APPENDIX A

REDEVELOPMENT PLANS

WEST TREMONT RENDERING

PROMESA WEST TREMONT RESIDENCE

92 WEST TREMONT AVE.
BRONX, NEW YORK

DWG. #	DRAWING NAME
ARCHITECTURAL	
T-000.00	COVER SHEET
Z-001.00	ZONING ANALYSIS & LOCATION PLAN
Z-002.00	ZONING
A-001.00	FLOOD MAP
A-002.00	SITE SURVEY
A-003.00	NOTES
A-004.00	ADA, ABBREV, SYMBOLS & PARTITIONS
B-005.00	SOIL ANALYSIS
EC-006.00	ENERGY COMPLIANCE
EC-007.00	ENERGY COMPLIANCE
BPP-008.00	BUILDERS PAVEMENT PLAN
BPP-009.00	BUILDERS PAVEMENT PLAN
BPP-010.00	BUILDERS PAVEMENT PLAN
A-100.00	SITE PLAN
A-101.00	CELLAR PLAN
A-102.00	BASEMENT PLAN
A-103.00	FIRST FLOOR PLAN
A-104.00	TYPICAL FLOOR PLAN (2-5)
A-105.00	SIXTH FLOOR PLAN & ROOF PLAN
A-106.00	CELLAR FLOOR RCP
A-107.00	BASEMENT FLOOR RCP
A-108.00	FIRST FLOOR RCP
A-109.00	TYPICAL FLOOR (2-5) RCP
A-110.00	SIXTH FLOOR RCP
A-200.00	FRONT AND SIDE ELEVATIONS
A-201.00	REAR ELEVATION
A-300.00	BUILDING SECTIONS
A-400.00	PARTITION DETAILS
A-401.00	DOOR & WINDOW DETAILS
A-402.00	ROOF DETAILS
A-403.00	CURTAIN WALL ELEVATIONS AND SECTION
A-404.00	CURTAIN WALL SECTIONS AND DETAILS
A-405.00	TYPICAL WALL SECTION
A-500.00	TYPICAL UNIT LAYOUTS
A-501.00	TYPICAL UNIT LAYOUTS (cont'd)
A-502.00	BATH ELEVATIONS AND DETAILS
A-503.00	INTERIOR ELEVATIONS
A-600.00	DOOR & WINDOW SCHEDULE
A-601.00	FINISH SCHEDULE & DETAILS
A-700.00	STAIR PLANS & SECTIONS
A-701.00	STAIR PLANS & SECTIONS
A-702.00	ELEVATOR, TRASH CHUTE SECTIONS & DETAILS
A-800.00	LANDSCAPING PLAN
A-801.00	SITE DETAILS
STRUCTURAL	
S-001.00	STRUCTURAL NOTES
FO-100.00	CELLAR & FOUNDATION PLAN
S-100.00	BASEMENT FLOOR FRAMING PLAN
S-101.00	FIRST FLOOR FRAMING PLAN
S-102.00	SECOND FLOOR FRAMING PLAN
S-103.00	TYPICAL (3-5) FLOOR FRAMING PLAN
S-106.00	SIXTH FLOOR FRAMING PLAN
S-107.00	ROOF AND BUILKHEADS FRAMING PLAN
S-300.00	WALL SECTIONS
S-400.00	TYPICAL SECTIONS AND DETAILS
S-401.00	TYPICAL SECTIONS AND DETAILS
S-500.00	FOUNDATION SECTION AND DETAILS
S-501.00	FOUNDATION SECTION AND DETAILS
MECHANICAL	
M-001.00	CELLAR FLOOR PLAN
M-002.00	BASEMENT FLOOR PLAN
M-003.00	FIRST FLOOR PLAN
M-004.00	TYPICAL (2-5) FLOOR PLAN
M-005.00	SIXTH FLOOR PLAN
M-006.00	ROOF PLAN
M-007.00	RISER DIAGRAMS
M-008.00	DETAILS
M-009.00	SEISMIC DETAILS
M-010.00	SEISMIC DETAILS
M-011.00	SCHEDULES
M-012.00	DETAILS
PLUMBING	
P-001.00	CELLAR FLOOR PLAN
P-002.00	BASEMENT FLOOR PLAN
P-003.00	FIRST FLOOR PLAN
P-004.00	TYPICAL (2-5) FLOOR PLAN
P-005.00	SIXTH FLOOR PLAN
P-006.00	ROOF PLAN
P-007.00	SITE CONNECTION PROPOSAL
P-008.00	RISER DIAGRAMS
P-009.00	RISER DIAGRAMS
P-010.00	CONNECTION DIAGRAMS
P-011.00	DETAILS
P-012.00	SCHEDULES & DETAILS
SPRINKLER	
SP-001.00	CELLAR FLOOR PLAN
SP-002.00	BASEMENT FLOOR PLAN
SP-003.00	FIRST FLOOR PLAN
SP-004.00	TYPICAL (2-5) FLOOR PLAN
SP-005.00	SIXTH FLOOR PLAN
SP-006.00	ROOF PLAN
SP-007.00	DETAILS AND SCHEDULES
SP-008.00	RISERS AND DETAILS
ELECTRICAL	
E-100.00	LEGEND, DIAGRAMS, AND SCHEDULES
E-101.00	CELLAR PLAN
E-102.00	BASEMENT PLAN
E-103.00	FIRST FLOOR PLAN
E-104.00	TYPICAL FLOOR PLAN (2-5)
E-105.00	SIXTH FLOOR PLAN
E-106.00	ROOF PLAN
E-107.00	TYPICAL APT LAYOUT
E-201.00	SCHEDULES AND DIAGRAMS
E-202.00	DIAGRAMS
E-203.00	DIAGRAMS
E-204.00	DIAGRAMS
FIRE ALARM	
FA-101.00	FLOOR PLANS
FA-102.00	FLOOR PLANS
FA-103.00	LEGEND & DIAGRAM
FA-104.00	MATRIX & NOTES

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
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DATE: 05/18/2012
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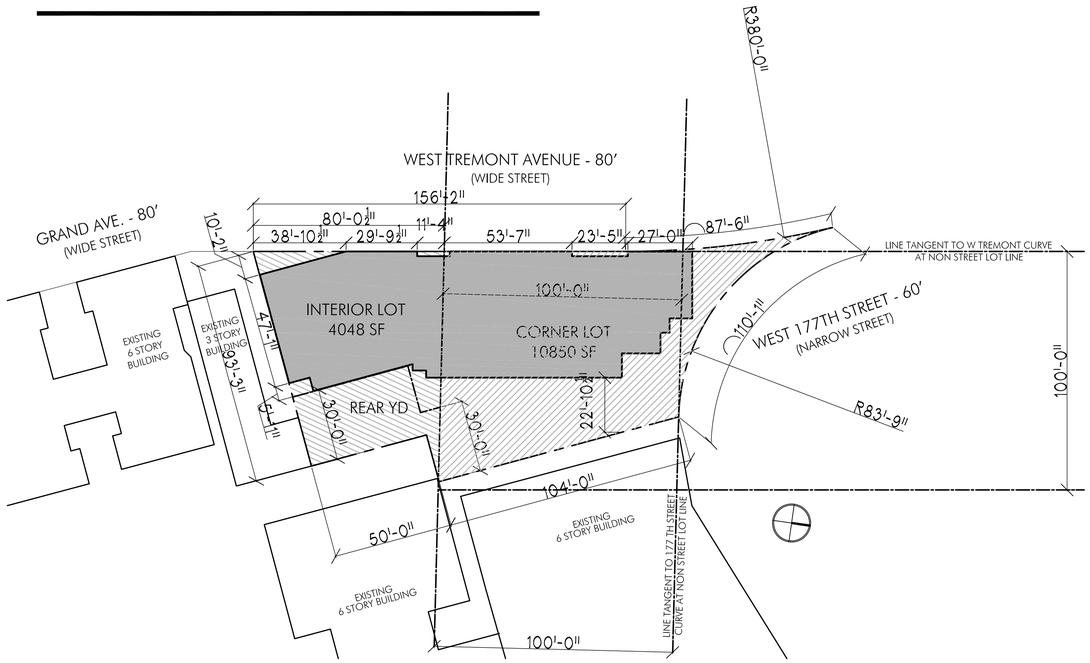
LOT PLAN 1" = 30'-0"



OCCUPANCY CLASSIFICATION: R-2 RESIDENTIAL

CONSTRUCTION CLASSIFICATION: I-B (2 HOUR PROTECTED)

PROJECT DESIGNED IN CONFORMANCE WITH:
TITLE 28_NYC BUILDING CODE (EFFECTIVE JULY 2008)

Required Community Space (NYS HCR)
60 x 15 sf + 1 x 25 = 925 sf
Proposed Community Space 2,198 sf

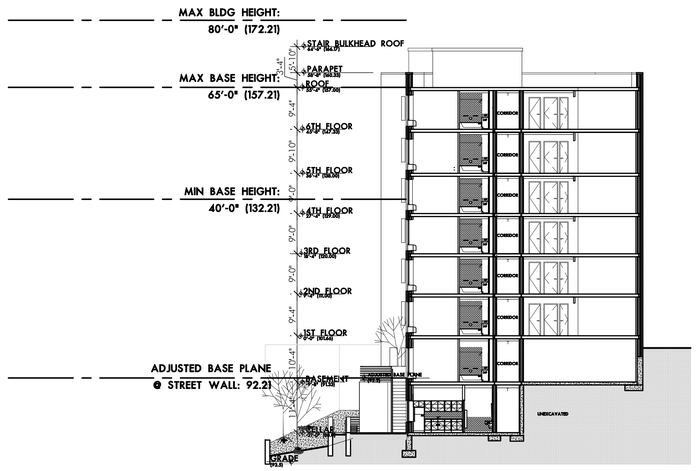
Required Tenant Bulk Storage (NYS HCR)
60 x 20 sf + 1 x 25 = 1,225 sf
Proposed Tenant Bulk Storage 1,977 sf

DISTRIBUTION CHART

FLOOR	UNIT TYPE 1 BR	UNIT TYPE 2 BR	TOTAL	GROSS SF/FL	
CELLAR	--	--	--	3387	
BSMT	2	1	3	5899	8317
FIRST	9	-	9	8616	
SECOND	10	-	10	8616	
THIRD	10	-	10	8616	
FOURTH	10	-	10	8616	
FIFTH	10	-	10	8616	
SIXTH	9	-	9	7944	
TOTAL	60	1	61	60,310	62,728

BUILDING HEIGHT DIAGRAM 1/16"=1'-0"

Section 24-522 ZR / Section 23-633



OCCUPANCY AND EGRESS CALCULATIONS

FLOOR	OCCUPANCY GROUP	FLOOR AREA (SF)	NET AREA PER OCC. BC 1004.1.2	TOTAL MAX.	REQ'D WIDTH OF EGRESS BC 1005.1	MINIMUM REQ'D WIDTH OF EGRESS (R2) PER BC 1009	# EXITS	STAIR A	STAIR B
6TH FLOOR 6TH FLOOR	R (RESIDENTIAL) TERRACE READING AREA	8010 606	200 SF 50 SF	40 P 12 P	52x0.3=15.6in.	36 in.	2	36in (120P max).	36in (120P max).
5TH FLOOR	R (RESIDENTIAL)	8616	200 SF	43 P	43x0.3=12.9in.	36 in.	2	36in (120P max).	36in (120P max).
4TH FLOOR	R (RESIDENTIAL)	8616	200 SF	43 P	43x0.3=12.9in.	36 in.	2	36in (120P max).	36in (120P max).
3RD FLOOR	R (RESIDENTIAL)	8616	200 SF	43 P	43x0.3=12.9in.	36 in.	2	36in (120P max).	36in (120P max).
2ND FLOOR	R (RESIDENTIAL)	8616	200 SF	43 P	43x0.3=12.9in.	36 in.	2	36in (120P max).	36in (120P max).
1ST FLOOR	R (RESIDENTIAL)	8000	200 SF	40 P	40x0.3=12.0in.	36 in.	2	36in (120P max).	36in (120P max).
BASEMENT	R (RESIDENTIAL) LAUNDRY ROOM LOUNGE METER ROOMS STORAGE	352 290 276 700 1973	300 SF 25 SF 7 SF 300 SF 300 SF	1 P 12 P 39 P 2 P 6 P	60x0.3=18.0in.	36 in.	2	36in (120P max).	36in (120P max).
CELLAR	BOILER ROOM RECREATION ROOM TRASH ROOM BICYCLE STORAGE	352 553 293 606	300 SF 15 SF 300 SF 300 SF	1 P 36 P 1 P 2 P	40x0.3=11.4in.	36 in.	2	36in (120P max).	36in (120P max).
TOTAL OCCUPANTS				304P					

BASED AN OCCUPANCY OF 304, ACCORDING TO SECTION BC 1018.1, 2 EXITS ARE REQUIRED FROM EACH STORY.

ZONING ANALYSIS

92 West Tremont Avenue
Bronx, NY

BLOCK: 2867
LOT: 125
ZONING MAP: 3c
ZONE: R7-1

Corner Lot Area: 10,850 S.F.
Interior Lot Area: 4048 S.F.
Total Lot Area: 14,898 S.F.

Section 23-142 ZR (Quality Housing Standards)
Floor Area Ratio (R7-1): 4.0

Total Allowable Floor Area:
14,898 x 4.0 = 59,592 sf
Proposed Gross Floor Area: 59,341 sf
Quality Housing Program Deductions 7966 sf
Total Proposed Zoning Floor Area: 51,375 sf

Max. Allowable Lot Coverage (Corner Lot) 80%
Max. Allowable Lot Coverage (Interior Lot) 65%

(10,850 SF x 0.80) = 8680 sf
(4048 SF x 0.65) 2631 sf
Total Max. Allowable Lot Coverage:
Proposed Lot Coverage: 11,311 sf

Section 23-22 ZR
Maximum # of Dwelling Units:
Max Allowable Floor Area ÷ 680
59,592÷ 680 87 DU
Proposed # of Dwelling Units 61 DU

Section 23-633 ZR
CORNER LOT
Base Flood Elevation: 10'
Base Plane: 92.21'

Total Length of Street Line
156.15' + 87.5' + 110.09' =353.74'

West Tremont Ave (156.15' + 87.5') = 243.65'
243.65'/353.74' = .69 (69% of Total Street Line)

West 177th Street = 110.09'
110.09'/353.74' = .31 (31% of Total Street Line)

Average Curb Level @ West Tremont Ave
(94.34'+103.95')/2 = 99.145' x 69% = 68.41'

Average Curb Level @ West 177th Street
(72.56'+80.98')/2 = 76.77' x 31% = 23.79'

Adjusted Base Plane (68.41' + 23.79') 92.21'

Max. Base Height: 65'-0" above base plane
92.21' + 65' = 157.21'
Proposed Base Height: 157.21'
Minimum Setback:
10'@ Wide St
15' @ Narrow St
Max. Building Height:
80'-0" + 92.21 = 172.21'
Proposed Building Height: 157.21'

Section 25-25 ZR
Required Parking
25% of Dwelling Units (Government Assisted - R-7A)
25% of 61 units = 15 spaces
Waived under Sec. 25-261 = 0 spaces required

Section 25-80 ZR
Bicycle Parking
1 per 2 Dwelling Units
Required 61/2 units = 30 spaces
Spaces Provided = 30 spaces

Section 26-41 ZR
1 tree required per 25' of street frontage
Street frontage @ West Tremont =
Street frontage @ West 177th St =
Total Street Frontage =
Required # of trees = 353'8" / 25' = 14 trees
Existing trees = 0 trees
Proposed trees = 14 trees

QUALITY HOUSING PROGRAM COMPLIANCE

Sec 28-12
Street trees - See Sec 26-41

Sec 28-21
All dwelling units exceed 400 sf floor area

Sec 28-22
All windows to be double glazed.

Sec 28-23
Trash room at each floor is 62sf > 12 sf. Deduction of 12 sf gross zoning floor area. (12x7 = 84sf deduction)

Sec 28-24
Laundry Rm Requirement - 61 Dwelling Units
1 washer/20 D.U. = 3 washers
1 dryer /40 D.U. = 2 dryers
Washers provided 5
Dryers provided 5
Minimum area for folding 3 sf/ machine
10 machines x 3sf = 30 sf
Folding area provided 77 sf

Sec 28-25
40 sf of window is provided at corridors on floors Bsmt - 6th. 50% of floor area of may be deducted from gross zoning floor area
Basement Corridor = 860 sf x .5 = 430 sf
1st Floor Corridor = 860 sf x .5 = 430 sf
2-5th Floor Corridor = 860 sf x .5 x 4 = 1720 sf
6th Floor Corridor = 860 sf x .5 = 430sf
Deduction = 3010 sf

Sec 28-31
Required recreation space = 3.3% of residential floor area
- 58,247 x 3.3% = 1,937.6 sf
Recreation space provided:
Green Roof (6th Fl) = 682 sf
Lounge (Bsmt) = 300 sf (excluded from f.a.)
Recreation Room (Cellar) = 606 sf
Rec Room Terrace = 610 sf
Total Proposed Recreation Space = 2,198 sf

Sec 28-33
Planted area provided between street wall & building

Sec 28-41
Less than 11 dwellings on each story. 50% of corridor floor area is deducted from gross zoning floor area.
Basement Corridor = 860 sf x .5 = 430 sf
1st Floor Corridor = 860 sf x .5 = 430 sf
2-5th Floor Corridor = 860 sf x .5 x 4 = 1720 sf
6th Floor Corridor = 860 sf x .5 = 430sf
Deduction = 3010 sf

28-23 Trash Room Deduction = 84 sf
28-24 Laundry Room Deduction = 261 sf
28-25 Daylight in Corridor = 3010 sf
28-31 Recreation Space = 300 sf
28-41 Density per Corridor = 3010 sf
Total = 6665 sf

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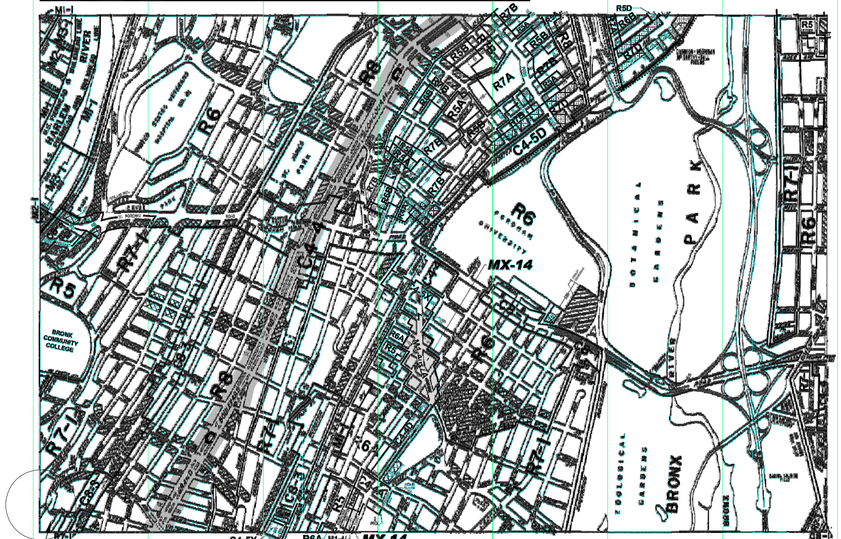
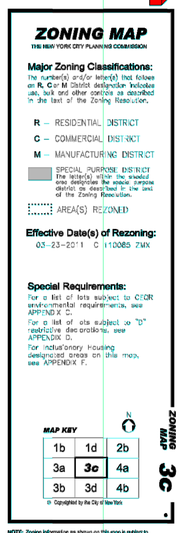
ZONING MAP

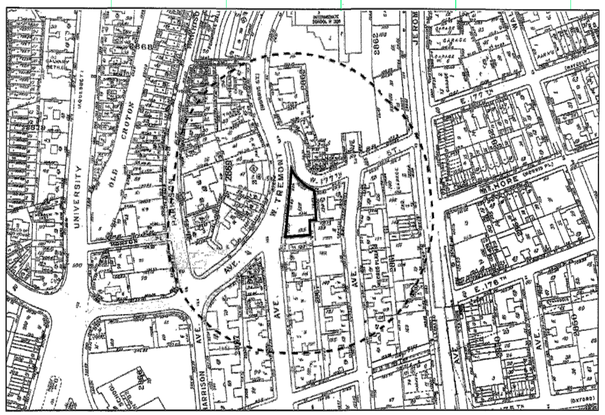


BLOCK 2867
LOT 125



NOTE: Zoning information as shown on this map is subject to change. For the most up-to-date zoning information for this map, visit the Zoning section of the Department of City Planning website: www.nyc.gov/planning or contact the Zoning Information Desk at (212) 720-3291.

SANBORN MAP N.T.S.



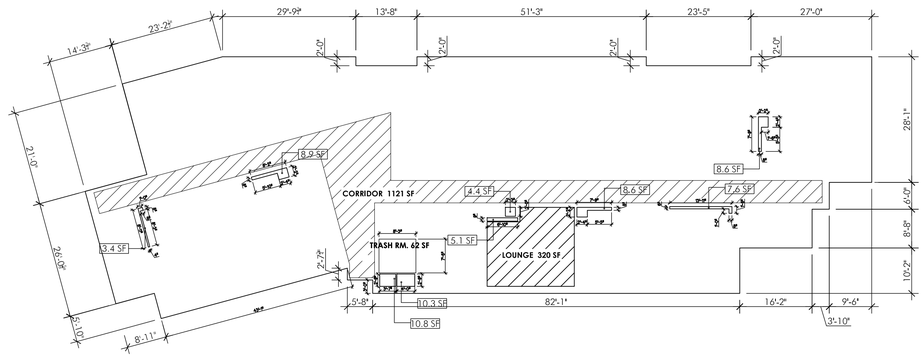
Project Site — — — 400 Foot Radius

92 West Tremont Avenue EAS — Figure 2 Sanborn Map

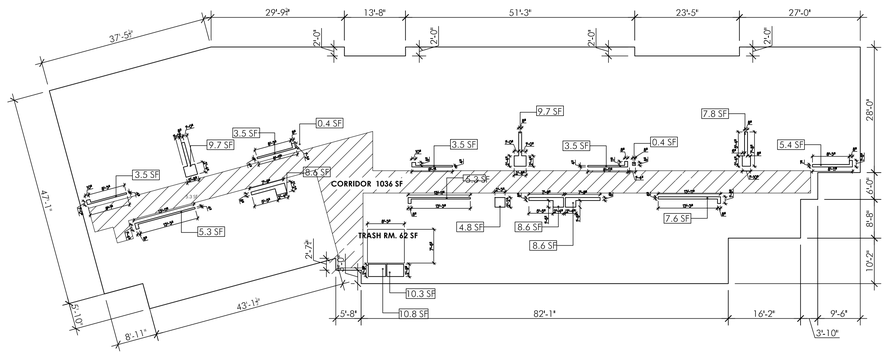
QUALITY HOUSING DEDUCTIONS

FLOOR	MECHANICAL SPACE (SQ. FT.)	TRASH ROOM (SQ. FT.)	CORRIDOR (SQ. FT.)	LOUNGE (SQ. FT.)	TOTAL QHP DEDUCTIBLE (SQ. FT.)	GROSS FL. AREA (SQ. FT.)	ZONING RESOLUTION FL. AREA
BASEMENT	67	12	1121	320	1520	8317	6797
1ST FLOOR	116	12	1036		1164	8616	7452
2ND FLOOR	126	12	920		1058	8616	7558
3RD FLOOR	126	12	920		1058	8616	7558
4TH FLOOR	126	12	920		1058	8616	7558
5TH FLOOR	126	12	920		1058	8616	7558
6TH FLOOR	118	12	920		1050	7944	6894
TOTAL	***805***	***84***	***6757***	***320***	***7966***	***59341***	***51375***

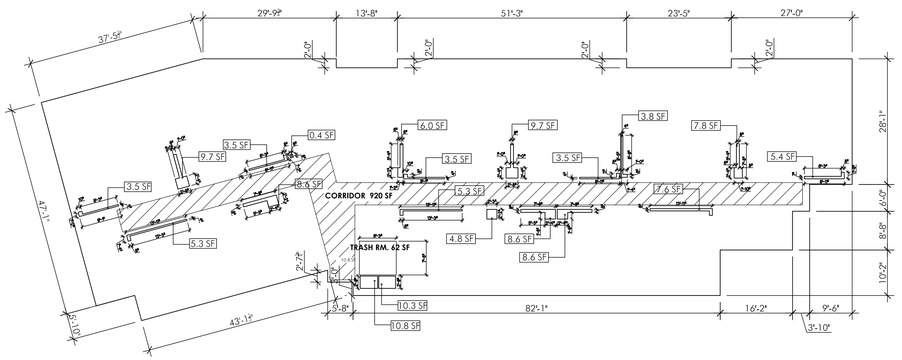
AREA CALCULATIONS 1/16" = 1'-0"



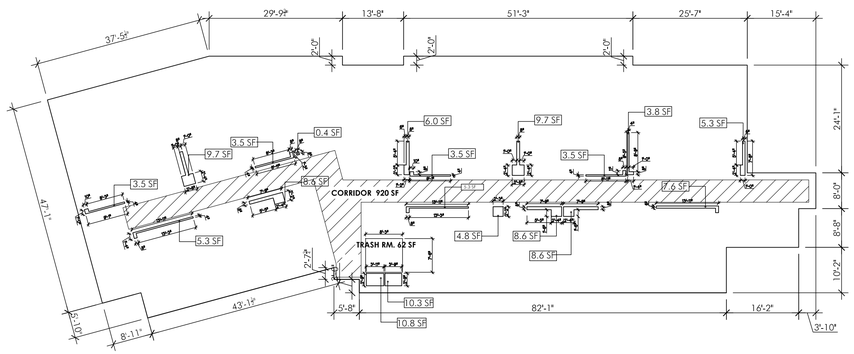
BASEMENT - 8317 SF



FIRST FLOOR - 8616 SF



TYPICAL FLOOR - 8616 SF



SIXTH FLOOR - 7944 SF

PROMESA

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NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' National Geodetic Vertical Datum of 1929 (NGVD 29). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was New York State Plane FIPSZONE 3104. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the National Geodetic Vertical Datum of 1929. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3191

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the Department of Information Technology and Telecommunication, City of New York. This information was derived from digital orthophotos produced at a scale of 1:1,200 with 2-foot pixel resolution from photography dated 2004.

Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map showing the layout of map panels for this jurisdiction.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov.

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	1% annual chance floodplain boundary
	0.2% annual chance floodplain boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
~~ 513 ~~~	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the National Geodetic Vertical Datum of 1929

(A)———(A)	Cross section line
(23)- - - -(23)	Transect line
87°07'45", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
2476000mN	1000-meter Universal Transverse Mercator grid values, zone 18
600000 FT	5000-foot grid ticks: New York Long State Plane coordinate system, Island zone (FIPSZONE 3104), Lambert Conformal Conic projection
DX5510 ×	Bench mark (see explanation in Notes to Users section of this FIRM panel)
• M1.5	River Mile

MAP REPOSITORY
City of New York, Department of City Planning, 22 Read Street, 8th Floor, New York, New York 10007(Maps available for reference only, not for distribution.)

INITIAL NFIP MAP DATE
June 28, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
June 11, 1976

FLOOD INSURANCE RATE MAP EFFECTIVE
November 16, 1983

FLOOD INSURANCE RATE MAP REVISIONS

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0081F

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
**NEW YORK,
NEW YORK**
BRONX, RICHMOND, NEW YORK, QUEENS, AND KING COUNTIES

PANEL 81 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0081	F

REVISED PRELIMINARY

OCTOBER 20, 2006

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

**MAP NUMBER
3604970081F**

MAP REVISED

Federal Emergency Management Agency

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
FLOOD MAP

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE:
05/18/2012

JOB #:
09J06

DRAWN BY:
key/am

SCALE:
AS NOTED

DRAWING #:
A-001.00

PAGE #:

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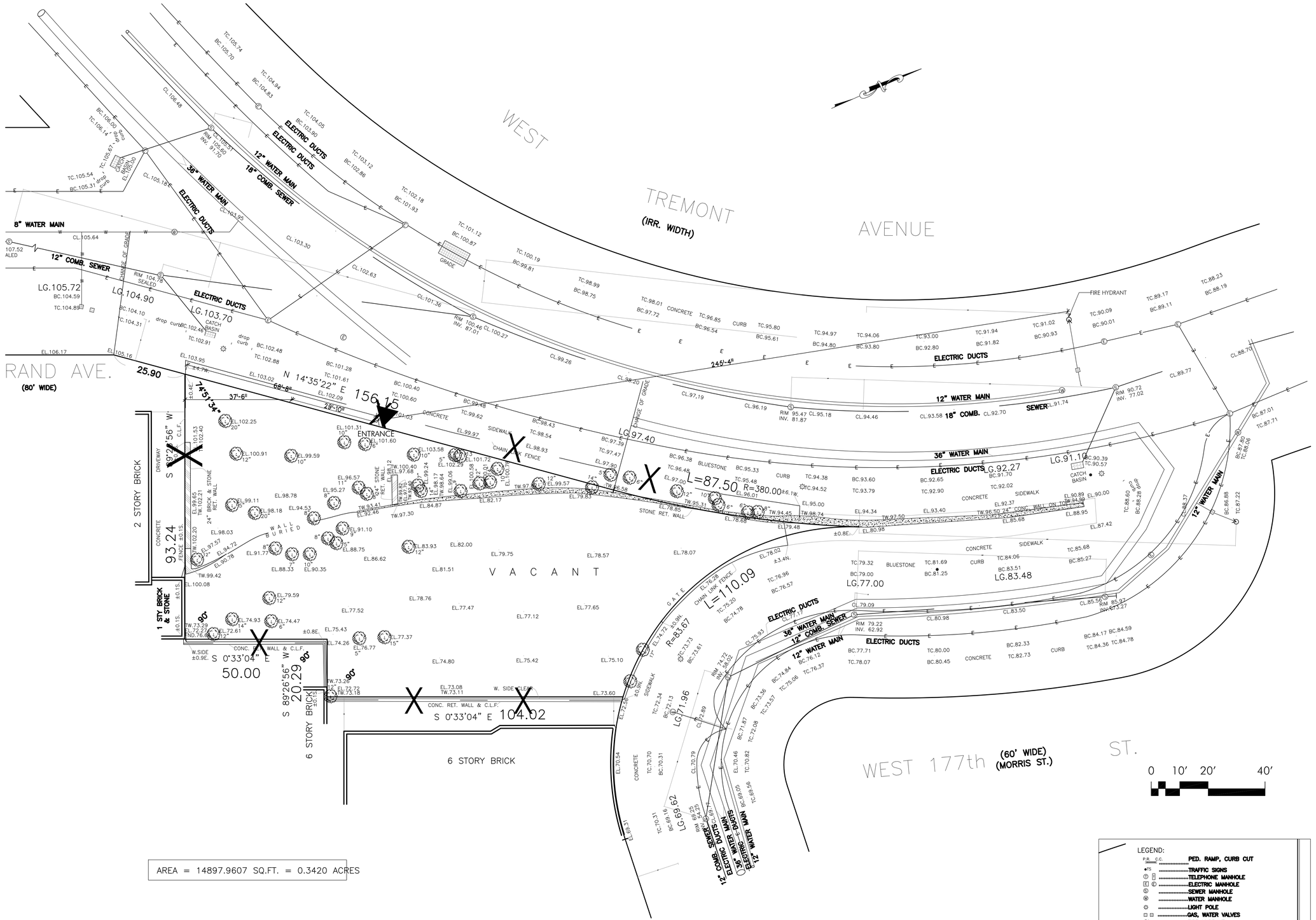

DATE	REVISIONS
06/29/2011	UPDATED
04/25/2012	TAX LOT MERGED

THE EXISTENCE OF RIGHT-OF-WAYS AND/OR EASEMENTS OF RECORD, IF ANY, NOT SHOWN HEREON, ARE NOT CERTIFIED.
ENCROACHMENTS OR VAULTS, IF ANY, BELOW SURFACE ARE NOT SHOWN.

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYORS INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. GUARANTEES OR CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND ON HISBEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. GUARANTEES OR CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

LEGEND:

- PED. RAMP, CURB CUT
- TRAFFIC SIGNS
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- SEWER MANHOLE
- WATER MANHOLE
- LIGHT POLE
- GAS, WATER VALVES
- FIRE HYDRANT
- TREE AND DIAMETER
- L.G. LEGAL GRADE
- T.C. TOP OF CURB
- B.C. BOTTOM OF CURB
- C.L. CENTERLINE OF STREET
- T.W. TOP OF WALL
- B.W. BOTTOM OF WALL

NOTES:
LOT 125 ON TAX MAP OF OF THE CITY OF NEW YORK AS SAID TAX MAP WAS ON DECEMBER 5, 1978
LOT 128 ON TAX MAP OF OF THE CITY OF NEW YORK AS SAID TAX MAP WAS ON SEPTEMBER 20, 1977

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
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NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
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4	CONTRACT SET	06/18/2013

DRAWING TITLE:
SITE SURVEY

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: key/am
SCALE: NTS

DRAWING #:
A-002.00

PAGE #:
220177350

GENERAL NOTES:

1. ALL DIMENSIONS AND CONDITIONS DESCRIBED IN THE CONTRACT DOCUMENTS ARE TO BE VERIFIED IN THE FIELD. ARCHITECT IS TO BE ADVISED OF ANY DISCREPANCIES IMMEDIATELY.
2. THE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND THE GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP THROUGHOUT.
3. THE CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DRAWINGS ON THE CONSTRUCTION FLOOR DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES AND WILL REMOVE ALL OUTDATED DRAWINGS FROM THE JOB SITE.
4. THE CONTRACTOR UPON ACCEPTANCE AND APPROVAL OF THE DRAWINGS ASSUMES FULL RESPONSIBILITY FOR THE CONSTRUCTION MATERIALS AND WORKMANSHIP OF THE WORK DESCRIBED IN THESE NOTES AND DRAWINGS AND WILL EXECUTE TO COMPLY WITH THE SPIRIT AS WELL AS THE LETTER IN WHICH THEY WERE WRITTEN.
5. THE DRAWINGS AND NOTES INDICATE AND REFER TO ANY INTERIOR/EXTERIOR ALTERATION AND ARE MEANT TO CONVEY INSTRUCTIONS, WHETHER WRITTEN OR IMPLIED, FOR A COMPLETE SCOPE OF WORK, INCLUSIVE OF THOSE MINOR FIELD CONDITIONS INHERENT IN THE WORK.
6. CONTRACTOR SHALL PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE STATE AND CITY CODES AND REGULATIONS.
7. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY LAW AND PAY FOR SAME PRIOR TO ANY WORK.
8. CONTRACTOR SHALL ARRANGE FOR REQUIRED INSPECTIONS OF SYSTEMS OR OTHER REQUIRED APPROVALS.
9. CONTRACTOR WILL COORDINATE WORK OF ALL TRADES, INCLUDING THOSE THAT MAY BE UNDER SEPARATE CONTRACT, SCHEDULING AND OVERALL CLEANUP.
10. CONTRACTOR IS TO KEEP JOB SITE CLEAN DURING CONSTRUCTION AND REMOVE ALL DEBRIS FROM PREMISES.
11. SUBSTITUTION OF DETAILS, FIXTURES, MATERIALS, EQUIPMENT, ETC., IS TO BE BY ARCHITECT'S WRITTEN APPROVAL ONLY.
12. THE CONTRACTOR SHALL COORDINATE WORK WITH THE MANUFACTURER'S SPECIFICATIONS.
13. METAL STUD WALLS AND POSTS OF METAL PARTITIONS SHALL BE SECURED TO THE STRUCTURAL ELEMENTS AT ALL LOCATIONS.
14. ALL DIMENSIONS FOR PARTITIONS ARE FROM FINISH TO FINISH, UNLESS OTHERWISE INDICATED.
15. WALLS SHOWN ALIGNED WITH BASE BUILDING STRUCTURE SHALL BE CONSTRUCTED FLUSH AND SMOOTH WITH BASE BUILDING STRUCTURE UNLESS OTHERWISE INDICATED.
16. ALL WALLS AND CEILINGS SHALL BE PROPERLY PREPARED, SPACKLED, SANDED, ETC. TO PROVIDE A PERFECTLY SMOOTH AND TRUE FINISH AND SURFACE.
17. ALL EXISTING PLASTER AND CEILINGS THAT REMAIN SHALL IN ALL CASES BE FINISHED TRUE AND TRIM WITH ALL PATCHING AND MATCHING AS MAY BE REQUIRED.
18. CONTRACTOR SHALL SEE THAT ALL SERVICES TO THE BUILDING HAVE BEEN DISCONNECTED PRIOR TO DEMOLITION. CONTRACTOR SHALL PROVIDE PROOF FROM UTILITY COMPANIES OF THESE SHUTOFFS.
19. ALL EQUIPMENT AND MATERIALS SHALL BE MEA/BSA/REFERENCE STANDARD APPROVED.
20. WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE, FIRE DEPARTMENT REGULATIONS, UTILITY COMPANY REQUIREMENTS & BEST TRADE PRACTICES.
21. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FILE ALL REQUIRED CERTIFICATES OF INSURANCE WITH THE DEPARTMENT OF BUILDINGS, PAY ALL FEES REQUIRED BY GOVERNING NEW YORK CITY AGENCIES, OBTAIN ALL REQUIRED PERMITS AND PROVIDE ANY AND ALL BONDS REQUIRED BY ANY CITY AGENCY IN ORDER TO DO WORK HEREIN DESCRIBED.
22. CONTRACTOR SHALL OBTAIN SEPARATE PERMIT AND APPROVAL FROM DEPARTMENT OF HIGHWAYS FOR ALL WORK BEYOND BUILDING LINES AND REQUIRED.
23. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT IMMEDIATELY.
24. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.
25. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES, BUILDING MANAGEMENT, OR BOARD OF DIRECTORS.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.
27. THE CONTRACTOR SHALL LAYOUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES: PLUMBING, ELECTRICAL, MECHANICAL, ETC.
28. PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE OR AND OBTAIN INSPECTIONS AND REQUIRED SIGN-OFFS.
29. THE CONTRACTOR SHALL DO ALL CUTTING, PATCHING, REPAIRING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB.
30. ENGINEER HAS NOT BEEN RETAINED TO SUPERVISE CONSTRUCTION.
31. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NEW CERTIFICATE OF OCCUPANCY, INCLUDING ALL REQUIRED FILINGS, APPLICATIONS, SIGN-OFFS, INSPECTIONS AND APPROVALS.

MULTIPLE DWELLING LAW NOTES:

1. PREMISES TO COMPLY WITH SEC 33 MDL: COOKING SPACES, AS PER 140 MDL.
a. CEILINGS AND WALLS, EXCLUSIVE OF DOORS SHALL BE FIRE RETARDED.
b. ALL COMBUSTIBLE MATERIAL IMMEDIATELY UNDERNEATH OR WITHIN ONE FOOT OF ANY COOKING APPARATUS SHALL BE FIRE RETARDED OR COVERED WITH FIRE RESISTIVE MATERIAL OF REQUIRED RATING.
c. THERE SHALL BE AT LEAST TWO FEET OF CLEAR SPACE ABOVE ANY EXPOSED COOKING SURFACE.
2. PREMISES TO COMPLY WITH SEC 37 MDL: ARTIFICIAL HALL LIGHTING.
a. ENTRY VESTIBULE, STAIRS AND PUBLIC HALLS SHALL BE PROVIDED WITH LIGHTS, EACH OF AT LEAST 60 WATTS, INCANDESCENT OR 20 WATTS FLUORESCENT.
3. PREMISES TO COMPLY WITH SEC 50 MDL: ENTRANCES: DOORS, LOCKS AND INTERCOMMUNICATION SYSTEMS.
a. BUILDING ENTRANCES AND ALL OTHER ENTRANCES SHALL BE EQUIPPED WITH APPROVED TYPE AUTOMATIC, SELF-CLOSING AND SELF-LOCKING UNITS.
b. EVERY CLASS "A" MD CONTAINING EIGHT OR MORE APARTMENTS SHALL BE EQUIPPED WITH AN APPROVED TYPE INTERCOMMUNICATION SYSTEM LOCATED AT AN AUTOMATIC SELF-LOCKING DOOR, GIVING ACCESS TO MAIN ENTRANCE HALL OR LOBBY.
c. ALL APARTMENT ENTRANCE DOORS TO BE APPROVED FIREPROOF SELF-CLOSING, INCL. DOOR ASSEMBLY, MINIMUM 1 HOUR FIRE TEST, AS PER 218 MDL, MINIMUM SIZE, 2'-8"x7'-0".
4. PREMISES TO COMPLY WITH SEC 51 MDL: SHAFTS, ELEVATORS AND DUMBWAITERS.
a. PEEP HOLES TO BE PROVIDED IN THE INTERVIEWERS AT ALL APARTMENT DOORS PER SEC 51 a.
b. MIRRORS SHALL BE PROVIDED IN PASSENGER ELEVATOR PER SEC. 51 b.
5. PREMISES TO COMPLY WITH SEC 64 MDL: LIGHTING, GAS METERS; GAS & OIL APPLIANCES.
a. GAS RANGES TO BE A.G.A OR BS&A APPROVED.
6. PREMISES TO COMPLY WITH SEC 76 MDL: WATER CLOSET AND BATH ACCOMMODATIONS.
a. THE FLOOR OF EVERY BATHROOM SHALL BE MADE WATERPROOF WITH MATERIAL APPROVED BY THE DEPARTMENT OF BUILDINGS, AND SUCH WATERPROOFING SHALL EXTEND SIX INCHES OR MORE ABOVE THE FLOOR, EXCEPT AT DOORS.
b. THE WALLS OF EVERY BATHROOM SHALL BE MADE OF WATER RESISTANT GYPSUM BOARD (BSA CAL. 4B6.39 SM).
7. PREMISES TO COMPLY WITH SEC 77 MDL: PLUMBING AND DRAINAGE.
a. ALL COURTS, ROOFS, YARDS, AND AREAWAYS SHALL BE PROPERLY DRAINED.
8. PREMISES TO COMPLY WITH SEC 104 MDL: BULKHEADS AND SCUTTLES, AS PER SEC 147 MDL.
a. BULKHEAD SHALL PROVIDE UNOBSTRUCTED ACCESS TO THE ROOF AT ALL TIMES.
b. BULKHEAD DOOR SHALL BE FASTENED BY MOVEABLE HOOKS, BOLTS, A KEYLESS LOCK AND APPROVED TYPE PANIC BAR WITH ALARM.
9. PREMISES TO COMPLY WITH SEC 102 & 105 MDL: STAIR AND PUBLIC HALL CONSTRUCTION AS PER SEC 148 AND 149 MDL.
a. EVERY DOOR OPENING ONTO STAIR OR PUBLIC HALL SHALL BE 1-1/2" HOUR FIRE-RATED, SELF-CLOSING.
b. THE MINIMUM CLEAR WIDTH OF STAIR SHALL BE 3'-0".
c. THE MINIMUM CLEAR WIDTH OF STAIR LANDINGS SHALL BE 3'-6".
d. THE MINIMUM CLEAR WIDTH OF PUBLIC HALL SHALL BE 3'-0".
10. THE PREMISES SHALL COMPLY WITH THE FOLLOWING SECTIONS OF THE MULTIPLE DWELLING LAW: ARTICLE 3 SECTION 27: YARDS AND COURTS SECTION, 30: LIGHTING AND VENTILATION OF ROOMS SECTION, 34: ROOMS IN BASEMENTS AND CELLARS SECTION, 36: LIGHTING AND VENTILATION OF STAIRS SECTION, 52: STAIRS SECTION , 57: BELLS, MAIL RECEPTACLES SECTION, 61: BUSINESS USES SECTION, 62: PARAPETS, GUARD RAILINGS SECTION, 75: WATER SUPPLY SECTION, 78: REPAIRS SECTION, 79: HEATING SECTION, 80: CLEANLINESS SECTION, 81: RECEPTACLES FOR WASTE MATTER

BC 907.2 & BC 908.7 SMOKE/CARBON MONOXIDE DETECTOR INSTALLATION:

1. ALL ELECTRICAL WIRING SHALL BE IN CONFORMANCE W/ THE NYC ELECTRICAL CODE.
2. SMOKE/CARBON MONOXIDE DETECTORS SHALL BE INSTALLED OUTSIDE BUT IN THE IMMEDIATE VICINITY OF THE BEDROOMS IN DWELLING UNITS IN OCCUPANCY GROUPS R-2 AND R-3, AND IN BASEMENT RECREATION ROOMS IN O.G. R-3.
3. SMOKE/ CARBON MONOXIDE DETECTOR SHALL HAVE INTEGRAL TEST MEANS TO PERMIT OCCUPANT TO CHECK OPERATION.
4. SMOKE/CARBON MONOXIDE DETECTORS SHALL BE LOCATED WITHIN 15' OF ALL ROOMS USED FOR SLEEPING, IN ALL SLEEPING ROOMS, AND ON ALL LEVELS OF A MULTIPLE LEVEL DWELLING UNIT.
5. CEILING MOUNTED SMOKE/ CARBON MONOXIDE DETECTOR SHALL BE MIN. 4" FROM WALL.
6. WALL MOUNTED SMOKE/ CARBON MONOXIDE DETECTORS SHALL BE MOUNTED A MIN. OF 4" AND A MAX. OF 12" FROM THE CEILING.
7. CARBON MONOXIDE DETECTORS SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH LOCAL LAW 7/2004.
8. CARBON MONOXIDE DETECTORS SHALL BE HARDWIRED WITH SECONDARY BATTERY BACK-UP

HOUSING MAINTENANCE CODE NOTES:

1. WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE, FIRE DEPARTMENT REGULATIONS, UTILITY COMPANY REQUIREMENTS AND THE BEST TRADE PRACTICES.
2. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FILE ALL REQUIRED CERTIFICATES OF INSURANCE WITH THE DEPARTMENT OF BUILDINGS, PAY ALL FEES REQUIRED BY GOVERNING NEW YORK CITY AGENCIES, OBTAIN ALL REQUIRED PERMITS AND PROVIDE ANY AND ALL BONDS REQUIRED BY ANY CITY AGENCY IN ORDER TO DO WORK HEREIN DESCRIBED.
3. CONTRACTOR SHALL OBTAIN SEPARATE PERMIT AND APPROVAL FROM DEPARTMENT OF TRANSPORTATION FOR ALL WORK BEYOND BUILDING LINES AND REQUIRED.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT IMMEDIATELY.
5. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.
6. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES, BUILDING MANAGEMENT, OR BOARD OF DIRECTORS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.
8. THE CONTRACTOR SHALL LAYOUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES: PLUMBING, ELECTRICAL, MECHANICAL, ETC.
9. PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE OR AND OBTAIN INSPECTIONS AND REQUIRED SIGN-OFFS.
10. THE CONTRACTOR SHALL DO ALL CUTTING, PATCHING, REPAIRING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB.
11. ENGINEER HAS NOT BEEN RETAINED TO SUPERVISE CONSTRUCTION.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NEW CERTIFICATE OF OCCUPANCY, INCLUDING ALL REQUIRED FILINGS, APPLICATIONS, SIGN-OFFS, INSPECTIONS AND APPROVALS.
13. BUILDING SHALL COMPLY WITH SECTION D.27-2027 HMC: DRAINAGE OF ROOFS & COURTYARDS.
14. BUILDING SHALL COMPLY W/ SECT. D.27-2028 HMC: CENTRAL HEATING.
15. BUILDING SHALL COMPLY W/ SECT. D.27-2031 HMC: SUPPLY HOT WATER.
16. BUILDING SHALL COMPLY W/ SECT. D.27-2032 HMC: GAS FUELED OR ELECTRIC HEATERS.
17. BUILDING SHALL COMPLY W/ SECT. D.27-2038 HMC: LIGHTING PUBLIC HALLS AND STAIRS.
18. BUILDING SHALL COMPLY W/ SECT. D.27-2040 HMC: LIGHTS NEAR ENTRANCE WAYS AND IN YARDS AND COURTS.
19. BUILDING SHALL COMPLY W/ SECT. D.27-2041 HMC: PEEPHOLES IN ENTRANCE DOORS TO APARTMENTS.
20. BUILDING SHALL COMPLY W/ SECT. D.27-2047 HMC: MAIL SERVICE.
21. BUILDING SHALL COMPLY W/ SECT.D.27-2048 HMC: FLOOR SIGNS.
22. BUILDING SHALL COMPLY W/ SECT. D.27-2049 HMC: STREET NUMBERS ON THE DWELLING.
23. BUILDING SHALL COMPLY W/ SECT. D.27-2051 HMC: MAINTENANCE OF ROOMING UNITS.
24. BUILDING SHALL COMPLY W/ SECT. D.27-2053 HMC: OBLIGATIONS OF OWNER.
25. BUILDING SHALL COMPLY W/ SECTS. D.27-2057 TO D.27-2062 HMC: LIGHTING AND VENTILATION OF ROOMS.
26. BUILDING SHALL COMPLY W/ SECT. D.27-2074 HMC: MINIMUM ROOM SIZES.
27. BUILDING SHALL COMPLY W/ SECT. D.27-2079 HMC: SINGLE ROOM OCCUPANCY.
28. BUILDING SHALL COMPLY W/ SECT. D.27-2097 HMC: REGISTRATION TIME TO FILE.
29. BUILDING SHALL COMPLY W/ SECT. D.27-2105 HMC: IDENTIFICATION OF MANAGING AGENT OR OWNER.
30. PROVIDE NEW WATER METER.

BOILER ROOM NOTES (AS PER SEC. 65 OF MDL.:)

1. WALLS ENCLOSING BOILER TO BE OF FIREPROOF MATERIAL HAVING A 1HR FIRE RATING. NOTE: 4" SOLID CINDER BLOCK IS GENERALLY USED.
2. CEILING OF ENTIRE BOILER ROOM SHALL BE PROPERLY FIRE RETARDED WITH ONE OF THE FOLLOWING: (a) 1/2" PLASTER BOARDS COVERED WITH 26 GA METAL. (b) METAL LATH AND 3/4" CEMENT OR 1" GYPSUM MORTAR. (c) ROCK LATH AND 3/4" GYPSUM MORTAR.
3. FLOOR OF BOILER ROOM SHALL BE OF CONCRETE CONSTRUCTION.
4. FIXED VENTILATION TO OUTER AIR FOR BOILER ROOM REQUIRED MIN. AREA EQUAL TO SMOKE STACK (NORMALLY 64 SF.) NOTE: WHERE DUCT IS REQUIRED TO PROVIDE FIXED VENTILATION; SAME MUST BE ENCASED IN METAL LATH AND CEMENT ON GYPSUM MORTAR.
5. METERS DUMBWAITER SHAFTS, ELEVATOR SHAFTS, INTERIOR STAIRS OR REQUIRED OUTSIDE CELLAR ENTRANCES CANNOT BE LOCATED WITHIN BOILER ROOM.
6. A MINIMUM OF 18" CLEARANCE REQUIRED BETWEEN BOILER AND ENCLOSING WALLS.
7. DOOR TO BOILER ROOM TO BE 1HR TEST FIREPROOF SELF-ENCLOSING AS PER BOARD OF STANDARDS AND APPEALS APPROVAL.
8. ELECTRIC LIGHT TO BE PROVIDED WITHIN BOILER ROOM.
9. OIL BURNER REMOTE CONTROL SWITCH MUST BE LOCATED OUTSIDE BOILER ROOM.
10. NO STORAGE PERMITTED WITHIN BOILER ROOM.

ENERGY NOTES:

1. THE HEATING SYSTEM WHEN INSTALLED AS DESIGNED, WILL BE IN ACCORDANCE WITH ALL APPLICABLE LAWS, ORDINANCE, AND REGULATIONS. THE SYSTEM WAS DESIGNED AS RECOMMENDED BY THE AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ASSOCIATION GUIDES. THE SYSTEM IS BASED ON THE INSIDE TEMPERATURE BEING MAINTAINED AT 72 F, WHEN THE OUTSIDE TEMPERATURE IS ±15° F WITH A 15 MPH WIND.
2. CALCULATIONS FOR HEATING (HEAT LOSS) ARE BASED ON NEW YORK STATE ENERGY CODE MINIMUM INSULATION STANDARDS AS NOTED BELOW: A. ALL EXTERIOR WALLS U = 0.07 B. ROOF U = 0.05 C. FLOORS EXPOSED TO OUTSIDE U = 0.05 D. FLOORS OVER UNHEATED AREA U = 0.08 E. ALL WINDOW (DOUBLE GLAZING) U = 0.69 F. ENTRANCE DOORS U = 0.40 NOTE U-FACTOR = BTU/HOUR SQUARE FOOT DEGREES FAHRENHEIT TEMPERATURE DIFFERENCE.

SEISMIC NOTES:

1. SEISMIC ZONE: NYC IS DEEMED TO BE IN SEISMIC ZONE 2A WITH A FACTOR, OR EFFECTIVE ZERO PERIOD ACCELERATION OF 0.15 IN S1 TYPE ROCK.
2. SITE GEOLOGY AND CHARACTERISTICS: SOILS ARE CLASSIFIED WITH REFERENCE TO THE NYC CLASSIFICATION SYSTEM. A NEW SOIL TYPE, S0, IS INTRODUCED FOR HARD ROCK, WITH A FACTOR OF 0.67.
3. FOUNDATIONS: PILE CAPS AND CAISSONS ARE TO BE CONNECTED, UNLESS THE SOIL CAN PROVIDE EQUIVALENT RESTRAINT. WOOD STUD WALL PLATES AND SILLS ARE TO BE BOLTED TO FOUNDATIONS.
4. ANALYSIS METHOD: EQUIVALENT STATIC LATERAL FORCE PROCEDURE.
5. DUAL SYSTEM: THE MOMENT FRAMES ARE REQUIRED TO CARRY AT LEAST 25 PERCENT OF THE LATERAL LOAD CONSIDERED ON THEIR OWN. THE SYSTEM IS INTENDED TO POSSESS SUFFICIENT DUCTILITY BY VIRTUE OF THE MOMENT FRAMES. THE NYC SEISMIC CODE ADDS THE PROVISION THAT THE WALLS OR BRACED FRAME HAVE SUFFICIENT SHEAR CAPACITY TO CARRY 75 PERCENT OF THE CUMULATIVE STORY SHEAR (NOT OVERTURNING).
6. BUILDING SEPARATION: BUILDING SEPARATION IS LIMITED TO 1 INCH FOR EVERY 50 FEET OF TOTAL BUILDING HEIGHT.
7. MASONRY: THE ACI 530-88 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES HAS BEEN USED O.S.: ALL MASONRY BEARING AND SHEAR WALLS SHALL BE REINFORCED, REGARDLESS OF WHETHER THEY ARE DESIGNED AS REINFORCED OR UNREINFORCED WALLS. MAXIMUM SPACING OF VERTICAL BARS IS 10 FEET. ALL NONBEARING BACK-UP OR INFILL AND NONBEARING PARTITIONS SHALL HAVE MINIMUM ONE-WAY ONLY REINFORCEMENT TO SUPPORTS.
8. CONCRETE: ACI 318-89 IS REFERENCE WITHOUT MODIFICATIONS.
9. STEEL: THE 1988 UBC REQUIREMENTS OF SECTION 2723 ARE REFERENCED WITHOUT MAJOR MODIFICATIONS.
10. TIMBER: THE AITC AND APA PROVISIONS FOR SEISMIC DESIGN OF PLYWOOD OR OTHER DIAPHRAGMS AND SHEAR WALLS ARE REFERENCED.
11. COEFFICIENTS:
a) SEISMIC ZONE 2A
b) NEW YORK CITY, Z = 0.15
c) SITE COEFFICIENT FOR SOIL, S = 1.5
d) LATERAL LOAD - RESISTING SYSTEM REINFORCED MASONRY, Rw = 5
e) IMPORTANCE FACTOR OCCUPANCY CATEGORY IV, I = 1
f.) THE DESIGN, DETAILS AND NOTES INCLUDED HEREIN ARE IN COMPLIANCE WITH LOCAL LAW 17/95

FINISH AND DETAILS:

1. INTERIOR FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH SURFACE FLAME SPREAD RATINGS (PER RS 5 5) AND SHALL BE IN ACCORDANCE WITH TABLE 5-4, C26 504.10.
2. WOOD OR OTHER COMBUSTIBLE MATERIALS SHALL BE USED IN ACCORDANCE WITH THE REQUIREMENTS OF C26 667.0 (1938 CODE).
3. ALL BATHROOM FLOORS TO BE MADE WATERPROOF WITH MATERIAL APPROVED BY THE DEPARTMENT OF BUILDINGS. WATERPROOF MATERIAL IS TO EXTEND A MINIMUM OF 6" ABOVE THE FLOOR AT THE BASE OF THE WALL.
4. SMOKE DETECTORS SHALL BE DIRECTLY WIRED TO THE CIRCUITRY OF THE DWELLING UNIT WITH NO INTERVENING SWITCH AND SHALL BE APPROVED BY THE BOARD OF STANDARDS AND APPEALS.

INTERIOR NOTES (OLD BUILDING CODE):

1. ALL INTERIOR WOOD TO BE USED ONLY AS PERMITTED ON SECTION C22 666.0 AND C26 667.0 OF THE NEW YORK CITY BUILDING CODE.
2. STAIR SIGNS AS PER SECTION C26 608.0 (NEW CODE).
3. ALL INTERIOR ROOMS TO BE MECHANICALLY VENTILATED IN ACCORDANCE W/ VENTILATION AND AIR CONDITIONING RULES EFFECTIVE JUNE 1, 1959.
4. ALL ACOUSTICAL OR RATED PARTITIONS TO EXTEND TO FLOOR ABOVE.
5. OWNER IS COGNIZANT OF RETROACTIVE REQUIREMENTS OF LOCAL LAW 5/73.
6. ALL PENETRATIONS OF RATED CONSTRUCTION SHALL COMPLY WITH SECTION C26 684.0 OF BUILDING CODE.
7. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH ARTICLE 15 OF THE NEW YORK CITY BUILDING CODE.

PHYSICALLY DISABLED FACILITIES NOTES:

NOTE: ALL BATHROOM FIXTURES TO COMPLY WITH LL58/87

TOILETS

1. TOILET ROOM HAS DOOR THAT LOCKS AND IS TO BE USED BY NO MORE THAN ONE PERSON AT A TIME.
2. ALL PLUMBING WORKS IS TO COMPLY WITH THE NEW YORK CITY BUILDING CODE.

WATER CLOSETS

1. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5LBF. ALL BATHROOM FIXTURES TO COMPLY WITH LL29/89 FOR LOW FLUSH FIXTURES.
2. CONTROLS FOR FLUSH VALVE SHALL BE MOUNTED FOR USE FROM WIDE SIDE OF THE TOILET STALL AND SHALL BE NO MORE THAN 44 INCHES ABOVE THE FLOOR.

LAVATORY

1. HOT WATER AND DRAIN PIPES UNDER LAVATORY SHALL BE INSULATED OR OTHERWISE PROTECTED IF THEY ABUT THE CLEARANCE AREA INDICATED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACE UNDER THE LAVATORY.
2. FAUCETS SHALL COMPLY WITH CONTROLS AS SPECIFIED FOR WATER CLOSETS ABOVE. CONVENTIONAL ONE-QUARTER TURN LEVER OPERATED, PUSH TYPE, AND AUTOMATICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE DESIGNS. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCETS REMAIN OPEN FOR AT LEAST 10 SECONDS.

SMOKE DETECTORS

1. SMOKE ALARMS TO BE EQUIPPED FOR AUDIBLE AND VISUAL SIGNALS AS PER ANSI A117.1 SEC. 4.26.

DOOR CLEARANCE

1. MANEUVERING CLEARANCES AT DOORS TO COMPLY WITH ANSI A117.1 SEC. 4.13.6.

CLOSETS

1. SHELF HEIGHTS AND HANG ROD HEIGHTS TO BE AS PER ANSI A117.1 SEC. 4.23.

SPECIAL INSPECTIONS AND PROGRESS INSPECTIONS:

1. AS PER TITLE 28_NYC BUILDING CODE (EFFECTIVE JULY 2008) SPECIAL INSPECTIONS AND PROGRESS INSPECTIONS SHALL BE PERFORMED FOR ALL ITEMS DESIGNATED BY THE DESIGN APPLICANT. TR-1 FORMS SHALL BE FILED WITH THE NEW YORK CITY DEPARTMENT OF BUILDINGS BY THE SPECIAL/PROGRESS INSPECTION APPLICANTS DESIGNATED BY THE CONTRACTOR PRIOR TO PERMIT AND PRIOR TO SIGN-OFF.
2. **PRIOR TO APPROVAL:** THE P.E. OR R.A. RESPONSIBLE FOR THE PLANS SHALL IDENTIFY THE REQUIRED SPECIAL/PROGRESS INSPECTIONS AND/OR TESTS PRIOR TO APPROVAL. (DESIGN APPLICANT)
3. **PRIOR TO PERMIT FILING:** THE SPECIAL/PROGRESS INSPECTION APPLICANT SHALL IDENTIFY, DATE AND DESIGNATE RESPONSIBILITY FOR PERFORMING THE REQUIRED SPECIAL/PROGRESS INSPECTIONS AT PERMIT.
4. **PRIOR TO SIGN-OFF:** WHEN ALL OR A PORTION OF THE REQUIRED SPECIAL/PROGRESS INSPECTIONS HAVE BEEN SATISFIED THE SPECIAL/PROGRESS INSPECTION APPLICANT SHALL DATE AND CERTIFY COMPLETION OF THE SPECIFIED ITEMS.
5. A LICENSED CONCRETE TESTING LABORATORY SHALL BE RETAINED TO PERFORM CONCRETE TESTS. THE LICENSED CONCRETE TESTING LAB SHALL IDENTIFY DATE AND DESIGNATE RESPONSIBILITY FOR CONCRETE TEST CYLINDERS AND CONCRETE DESIGN MIX; THIS NEED NOT BE PERFORMED BY A SPECIAL INSPECTION AGENCY. TAKE FOUR (4) CYLINDERS OF EACH 50 CUBIC YARD OF CONCRETE OF EACH CLASS PLACED ON ANY ONE DAY, TESTING ONE (1) AT 7 DAYS AND THREE (3) AT 28 DAYS. ALSO TAKE TESTS OF SLUMP, TEMPERATURE, AIR CONTENT AND UNIT WEIGHT.
6. FORMS SHALL BE FILED BY THE MANUFACTURER AND SUPPLIER, RESPECTIVELY, OF STRUCTURAL MASONRY UNIT AND SHALL INDICATE STRENGTHS OF MASONRY UNITS SUPPLIED

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH BUT NOT LIMITED TO RETAINING ENGINEERING SERVICES, INSPECTION & TESTING COSTS, AND ALL FILING FEES FOR THE FOLLOWING SPECIAL INSPECTIONS AND PROGRESS INSPECTIONS:

SPECIAL AND PROGRESS INSPECTIONS	
CONCRETE: CAST-IN-PLACE	BC 1704.4
CONCRETE: PRECAST	BC 1704.4
CONCRETE TEST CYLINDERS	BC 1905.6
CONCRETE DESIGN MIX	BC 1905.3
MASONRY	BC 1704.5
SOILS: SITE PREPARATION	BC 1704.7.1
SOILS: SITE INVESTIGATION (BORINGS/TEST PITS)	BC 1704.7.4
MECHANICAL SYSTEMS	BC 1704.15
STRUCTURAL SAFETY: STRUCTURAL STABILITY	BC 1704.19
HEATING SYSTEMS	BC 1704.23
FIRESTOP, DRAFTSTOP, AND FIREBLOCK SYSTEMS	BC 1704.25
FOOTING AND FOUNDATION	BC 109.3.1
ENERGY CODE COMPLIANCE INSPECTIONS	BC 109.3.5

SEPARATE APPLICATIONS

THE FOLLOWING ARE TO BE FILED UNDER SEPARATE APPLICATIONS:

	APPLICATION:	FILE WITH:	DOB # / FILED BY:
1.	CONSTRUCTION EQUIPMENT	D.O.T. PRIOR TO PERMIT	CONTRACTOR
2.	ELEVATOR	(D.O.B.)	CONTRACTOR
3.	BPP-PARK: TREE PLANTING	(PARKS)	CONTRACTOR
4.	BPP-SIDEWALK/CURB/ROAD WORK	(D.O.T.)	220226654
5.	SPRINKLER & STANDPIPE	(D.O.B.)	220226645
6.	SPRINKLER ALARM	(D.O.B. & FIRE DEPT.)	220226663

ENERGY CODE PROGRESS INSPECTIONS	Table Reference in 1RCNY 5000-01(h) (1) and (2)
PROTECTION OF FOUNDATION INSULATION	IIA1
INSULATION PLACEMENT AND R VALUES	IIA2
FENESTRATION THERMAL VALUES AND RATINGS	IIA3
FENESTRATION RATINGS FOR AIR LEAKAGE	IIA4
FENESTRATION AREAS	IIA5
AIR SEALING AND INSULATION - VISUAL	IIA6
VESTIBULES	IIA9
HVAC AND SERVICE WATER HEATING EQUIPMENT	IIB3
HVAC AND SERVICE WATER HEATING SYSTEM CONTROLS	IIB4
DUCT LEAKAGE TESTING	IIB6
ELECTRICAL METERING	IIC1
INTERIOR LIGHTING POWER	IIC3
LIGHTING CONTROLS	IIC5
EXIT SIGNS	IIC6
ELECTRICAL MOTORS	IIC8
MAINTENANCE INFORMATION	IID1
PERMANENT CERTIFICATE	IID2

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

NOTES

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NEW YORK CITY NEW YORK 10012
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DATE: 05/18/2012

JOB #: 09J06

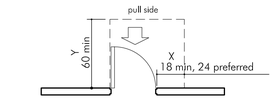
DRAWN BY: key/am

SCALE: NONE

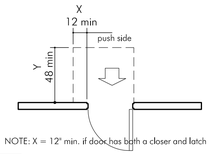
DRAWING #: A-003.00

PAGE #: 220177350

DOOR CLEARANCES

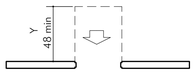


A FRONT APPROACH SWINGING DOOR



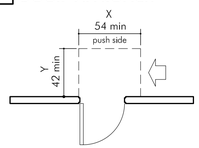
NOTE: X = 12" min. if door has both a closer and latch

B FRONT APPROACH SWINGING DOOR



Front Approach - Sliding or Folding Doors

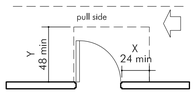
C SLIDING/FOLDING DOOR APPROACH



NOTE: Y = 48" min. if door has both a closer and latch

Side Approach - Swinging Door

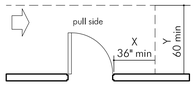
D SIDE APPROACH



NOTE: Y = 54" min. if door has closer

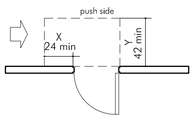
Latch Side Approach Swinging Door

E LATCH SIDE APPR. SWINGING DOOR



NOTE: X = 36" min. if Y = 60" X = 42" min. if Y = 54"

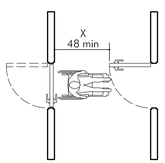
F HINGE SIDE APPROACH



NOTE: Y = 48" min. if door has closer

Latch Side Approach Swinging Door

G LATCH SIDE APPR. SWINGING DOOR



H TWO HINGED DOORS IN SERIES

ABBREVIATIONS

A.C.	AIR CONDITIONER
A.D.	AREA DRAIN
A.F.F.	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
APP'D.	APPROVED
A.S.	ALUMINUM SADDLE
B.C.	BOTTOM OF CURB
B.O.	BOTTOM OF
BD.	BOARD
BLDG.	BUILDING
BLK.	BLOCK
BM.	BEAM
BOT.	BOTTOM
B.P.	BEARING PLATE
BSA.	BOARD OF STANDARDS & APPEALS
B.S.B.	BETWEEN STOP BEADS
BSMT.	BASEMENT
B.U.	BUILT UP
C.L.	CENTER LINE
CAB.	CABINET
CEM.	CEMENT
CL.	CLOSET
CLG.	CEILING
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
CORR.	CORRIDOR
CT	CERAMIC TILE OR COOK TOP
CU.FT.	CUBIC FEET
D.A.	DROPPED ARCH
DEPT.	DEPARTMENT
DET.	DETAIL
D.H.	DOUBLE HUNG
DIA.	DIAMETER
DIM.	DIMENSION
DN.	DOWN
DR.	DOOR
DWG.	DRAWING
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRIC
EQUIP.	EQUIPMENT
EXH.	EXHAUST
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
F.A.I.	FRESH AIR INTAKE
F.C.	FIRE CODE
FF.	FLOOR DRAIN
FIN.	FINISHED FLOOR
FL.	FLOOR
F.P.	FIREPROOF
F.P.S.C.	FIREPROOF SELF-CLOSING
FT.	FOOT
GA.	GAUGE
G.I.	GALVANIZED IRON
GL.	GLASS
GOV'T.	GOVERNMENT
H.B.	HOSE BIBB
H.C.	HOLLOW CORE
HGT.	HEIGHT
H.M.	HOLLOW METAL
H.M.C.	HOUSING MAINTENANCE CODE
HR.	HOUR
NSUL.	INSULATION
INT.	INTERIOR
JAN.CL.	JANITOR CLOSET
JT.	JOINT
KIT.	KITCHEN
K'TTE	KITCHENETTE
LAV.	LAVATORY
LDR.	LEADER
LGT.	LIGHT
LIN.	LINEN CLOSET
L.P.	LIGHT POLE
LR/D	LIVING ROOM/DINING
L.W.	LIGHTWEIGHT
MACH.	MACHINE
MAS.	MASONRY
MAX.	MAXIMUM
M.C.	MEDICINE CABINET
MECH.	MECHANICAL
MIN.	MINIMUM
M.O.	MASONRY OPENING
M.S.	MARBLE SADDLE
M.D.L.	MULTIPLE DWELLING LAW
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPNG.	OPENING
OPP.	OPPOSITE HAND
PART.	PARTITION
PL.	PLASTER
PLYWD.	PLYWOOD
R.	RANGE
RI.	RISER
R.D.	ROOF DRAIN
REIN.	REINFORCE
REF.	REFRIGERATOR
REQ.	REQUIRED
REV.	REVISION
R.U.	REMOVABLE UNIT
S.	SINK
SAB.	SOUND ATTENUATION BLANKETS
SECT.	SECTION
SF.	SQUARE FEET
SIM.	SIMILAR
S.S.	SERVICE SINK
STD.	STANDARD
STL.	STEEL
STR.	STAIR
SUSP.	SUSPENDED
T.	TOILET
T.C.	TOP OF CURB
T.O.	TOP OF
T.L.	TRAFFIC LIGHT
TYP.	TYPICAL
U.L.	UNDERWRITER'S LAB
V.C.T.	VINYL COMPOSITION TILE
VEST.	VESTIBULE
W.	WIDE FLANGE
W/	WITH
W.C.	WATER CLOSET
WD.	WOOD
W.G.	WINDOW GUARD
W.GL.	WIRE GLASS
W.H.	WATER HEATER
W.M.	WASHING MACHINE
W.P.	WATERPROOF
W.R.	WATER RESISTANT
W.W.M.	WELDED WIRE MESH
Y.D.	YARD DRAIN

SYMBOLS

- DETAIL DESIGNATION
- SECTION DESIGNATION
- DOOR DESIGNATION
- WINDOW DESIGNATION
- WALL DESIGNATION
- EXHAUST DUCT
- EXHAUST FAN
- DIRECTION OF EXHAUST
- SPOT ELEVATIONS (ELEV)
- AREA DRAIN (AD)
- FLOOR DRAIN (FD)
- ROOF DRAIN (RD)
- APARTMENT DESIGNATION (RM# / AREA)
- ROOM DESIGNATION (ROOM, SF, Material)
- SMOKE DETECTOR/CARBON MONOXIDE HARD WIRED W/ NO SWITCH OTHER THAN OVER CURRENT DEVICE (S/C)
- EXIT SIGN AND LIGHT
- FIXED SECURITY BARS
- MIN 5% OF ENTIRE BUILDING = DISABLED BODY DWELLING UNITS, SEE BATH & KITCHEN DETAILS

LEGEND

PARTITION SCHEDULE

BRICK

1 CONCRETE WALL

2 8" CONCRETE BLOCK WALL
(TWO HOUR FIRE RATED)

3 PARTITION WITHIN APTS., NON-RATED - 2 1/2" 20 GA. METAL STUDS @ 16" O.C. WITH 5/8" (1) LAYER OF FIRECODE GYPSUM BOARD ON BOTH SIDES. (USE 3 5/8" STUD AT ELECTRIC PANEL) → 3 / A-400

4 PARTITION BETWEEN APTS., 1 HR. RATED - 2 1/2" 20 GA. METAL STUDS @ 16" O.C. WITH (1) LAYER 5/8" GYPSUM BOARD ON ONE SIDE AND (2) LAYERS 5/8" GYPSUM BOARD ON THE OTHER. FIRESTOP TO UNDERSIDE OF SUBFLOOR ABOVE. PROVIDE 2 1/2" S.A.B.'S BETWEEN STUDS.
BSA# 453-73SM (ONE HOUR FIRE RATED) → 4 / A-400

5 PARTITION BETWEEN APT. AND PUBLIC HALL, NON-BEARING, 2 HR. RATED - 2-1/2" 20 GA. METAL STUDS @ 16" O.C. WITH (2) LAYERS OF 5/8" FIRECODE GYPSUM BOARD ON EACH SIDE. FIRESTOP TO UNDERSIDE OF SUBFLOOR ABOVE. PROVIDE 2¾" S.A.B.'S. IN BETWEEN STUDS. PROVIDE ACOUSTIC SEALANT @ TOP AND BOTTOM.
BSA# 301-60-SM (TWO HOUR FIRE RATED) → 5 / A-400

6 BATH / KITCHEN CHASE WALL ASSEMBLY - 1 5/8" METAL STUDS IN TWO ROWS @ 16" O.C. WITH 5/8" TILE BACKER BOARD (& 1/4" CERAMIC TILE) EACH SIDE. PROVIDE 5/8" MOISTURE RESISTANT F.C. GYP.BD. IN AREAS WITHOUT CERAMIC TILES. PROVIDE 1 1/2" S.A.B.'S IN BOTH STUD CAVITIES. PROVIDE LATERAL BRACING @ MID-POINT. → 6 / A-400

7 BATH / KITCHEN CHASE WALL ASSEMBLY BETWEEN APTS.- 1 5/8" METAL STUDS IN TWO ROWS @ 16" O.C. WITH 5/8" TILE BACKER BOARD (& 1/4" CERAMIC TILE) ONE SIDE AND (2) LAYERS OF 5/8" GYP.BD. ON THE OTHER SIDE. PROVIDE 5/8" MOISTURE RESISTANT F.C. GYP.BD. IN AREAS WITHOUT CERAMIC TILES. PROVIDE 1 1/2" S.A.B.'S IN BOTH STUD CAVITIES. PROVIDE LATERAL BRACING @ MID-POINT. FIRESTOP TO UNDERSIDE OF SUBFLOOR ABOVE.
UL 458 BSA# 553-85-SM (ONE HOUR FIRE RATED) → 7 / A-400

9 SHAFT WALL - METAL FRAMING WITH (2) LAYERS OF 5/8" FIRECODE GYPSUM BOARD AND 1" GYPSUM CORE BOARD TO BE SECURED TO 25 GA. 1-½" C-H METAL STUD. NO SCREWS SHOULD PENETRATE DUCTWORK. FIRESTOP TO UNDERSIDE OF SUBFLOOR ABOVE.
BSA# 542-88-SM (TWO HOUR FIRE RATED) → 9 / A-400

10 INTERIOR 8" CONCRETE BLOCK MASONRY WALL WITH 1-5/8" 20 G.A. METAL STUDS @ 16" O.C. WITH (1) LAYER 5/8" FIRECODE GYPSUM BOARD ON EACH SIDE (USE 3 5/8" STUD AT KITCHENS)
MEA# 1-74-M (TWO HOUR FIRE RATED) → 10 / A-400

11 EXTERIOR 8" CMU WALL GROUT SOLID - 2½" METAL STUDS @ 16" O.C. WITH (1) LAYER OF 5/8" FIRECODE GYPSUM BOARD, WATER RESISTANT GYPSUM BOARD TO BE USED AT WINDOW JAMBS, SILL AND HEADS, WITH R-15 FOIL FACE INSULATION BETWEEN STUDS @ INTERIOR AND 4" BRICK FACE.
MEA# 1-74-M (TWO HOUR FIRE RATED) → 11 / A-400

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

ADA CLEARANCES, ABBREV, SYMBOLS & PARTITIONS

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DATE: 05/18/2012

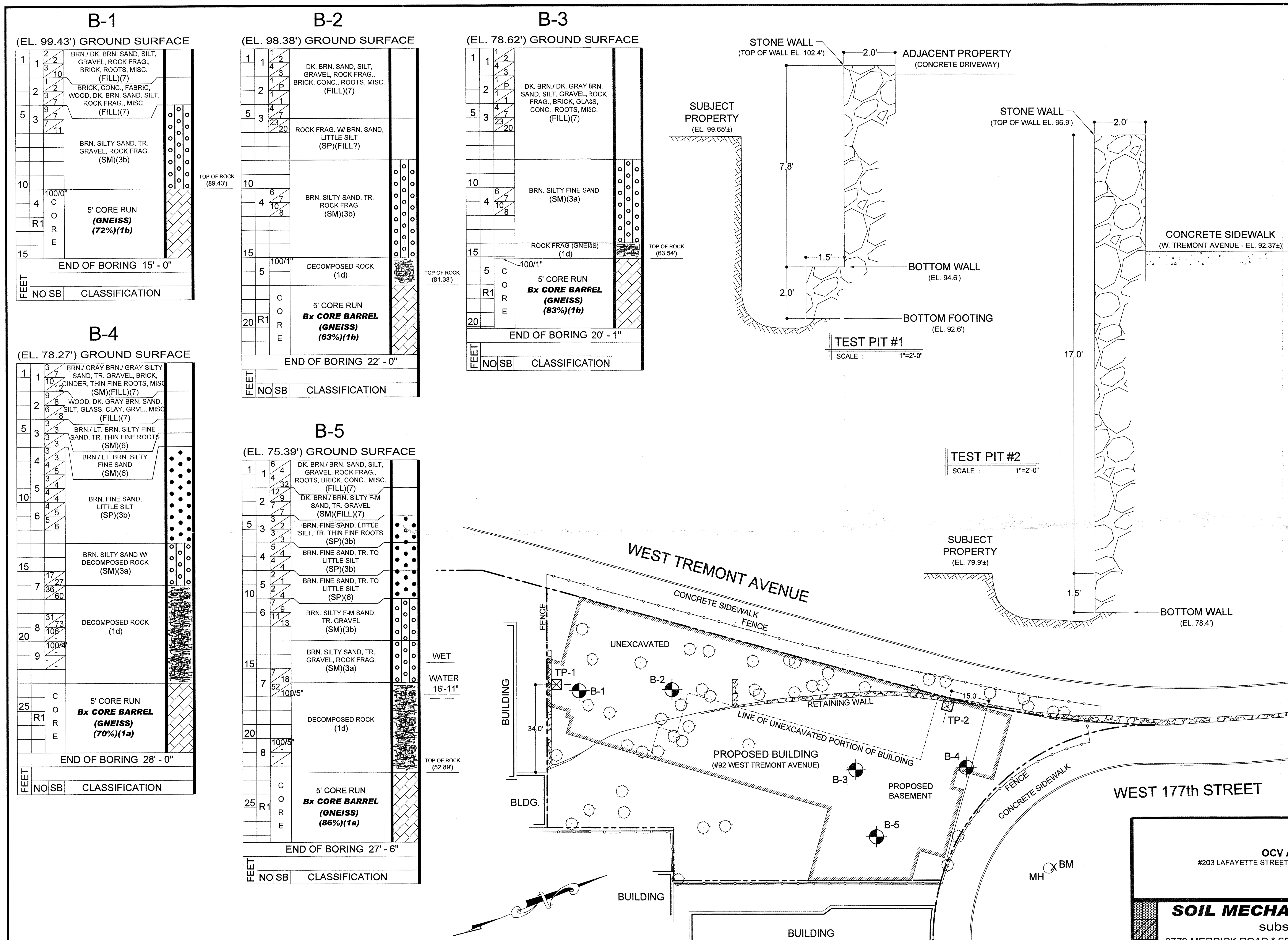
JOB #: 09J06

DRAWN BY: key/am

SCALE: NONE

DRAWING #: A-004.00

PAGE #: 220177350



BORING LOCATION PLAN
SCALE : 1"=20'-0"

NOTES:
1. - SOIL DESCRIPTIONS ARE BY VISUAL EXAMINATION OF SOIL SAMPLES RECOVERED DURING DRILLING OPERATIONS.
2. - SOIL DESCRIPTIONS ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.
3. - GROUND WATER WAS MEASURED INSIDE THE DRILL CASING AT THE COMPLETION OF EACH BOREHOLE.
4. - SOIL STRATIFICATIONS ARE ACCURATE TO WITHIN TWO FEET VERTICALLY.
5. - ELEVATIONS WERE REFERENCED TO B.M. - AT RIM OF MANHOLE COVER IN ROADWAY. ACTUAL ELEVATION GIVEN 74.72'.
6. - SOIL SAMPLES WERE OBTAINED USING A CENTRAL MINE EQUIPMENT (CME) AUTOMATIC TRIP HAMMER.
7. - BORINGS DRILLED ARE IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE REQUIREMENTS.

UNIFIED SOIL CLASSIFICATION

SOIL GROUPS	TYPICAL NAMES AND SOIL SYMBOLS
GW	WELL GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES
GP	POORLY GRADED GRAVELS OR GRAVEL SAND MIXTURES. LITTLE OR NO FINES
GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURE
GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURE
SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES
SM	SILTY SANDS, SAND - SILT MIXTURES
SC	CLAYEY SANDS, SAND - CLAY MIXTURES
ML	INORGANIC SILTS, VERY FINE SANDS, CLAYEY SILTS, SLIGHT PLASTICITY
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS SANDY CLAYS, SILTY CLAYS
OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS

ALLOWABLE SOIL BEARING PRESSURES, N.Y.C. BLDG. CODE TABLE 1804.1

CLASS OF MATERIALS (Notes 1 & 3)	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (TSF)	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (kPa)
1. BEDROCK (NOTES 2 & 7)		
1a HARD SOUND ROCK - GNEISS, DIABASE, SCHIST	60	5,746
1b MEDIUM HARD ROCK - MARBLE, SERPENTINE	40	3,830
1c INTERMEDIATE ROCK - SHALE, SANDSTONE	20	1,915
1d SOFT ROCK - WEATHERED ROCK	8	766
2. SANDY GRAVEL & GRAVEL (GW, GP) (NOTES 3, 4, 8, & 9)		
2a DENSE	10	958
2b MEDIUM	6	575
3. GRANULAR SOILS (GC, GM, SW, SP, SM, & SC)(NOTES 4, 5, 8, & 9)		
3a DENSE	6	575
3b MEDIUM	3	287
4. CLAYS (SC, CL, & CH)(NOTES 4, 6, 8, & 9)		
4a HARD	5	479
4b STIFF	3	287
4c MEDIUM	2	192
5. SILTS & SILTY SOILS (ML & MH)(NOTES 4, 8, & 9)		
5a DENSE	3	287
5b MEDIUM	1.5	144
6. ORGANIC SILTS, ORGANIC CLAYS, PEATS, SOFT CLAYS, LOOSE GRANULAR SOILS, & VARVED SILTS	SEE 1804.2.1	SEE 1804.2.1
7. CONTROLLED & UNCONTROLLED FILLS	SEE 1804.2.2 OR 1804.2.3	SEE 1804.2.2 OR 1804.2.3

COMPACTION RELATED TO SPOON BLOWS PER FOOT

SAND		SILT & CLAY	
LOOSE	15 OR LESS	SOFT	10 OR LESS
MEDIUM	16 TO 39	MEDIUM	11 TO 29
DENSE	40 OR MORE	HARD	30 OR MORE

" N "	STANDARD PENETRATION TEST (2" SPOON, 140lb HAMMER, 30" FALL)
N=17 BLOWS PER FOOT (6, 8, 9, 12)	SPOON BLOW COUNT IS GENERALLY SHOWN IN 6" INCREMENTS FOR 2' DRIVE TO OBTAIN BLOWS PER FOOT (N) USE THE 2ND & 3RD 6" INCREMENT

	ROTARY CASING	EXTRA HEAVY CASING	SAMPLE SPOON
SIZES, INCHES	2.5		2.0
HAMMER WEIGHT, POUNDS	______		140
HAMMER FALL, INCHES	______		30

CB - CASING BLOWSPER 1 FOOT DRIVE
SB - SPOON BLOWS PER 6 INCH DRIVE
P - PUSHED BY WEIGHT OF HAMMER
WOR - WEIGHT OF ROD
UD - UNDISTURBED SOIL SAMPLE
NO - SAMPLE NUMBER
FEET - DEPTH FROM GND. SUR. NOTED AT EACH 5'
WOH - WEIGHT OF HAMMER (INCLUDES ROD)

THE LIABILITY OF SOIL MECHANICS DRILLING CORP., ITS OFFICERS OR EMPLOYEES, FOR ERRORS, OMISSIONS OR NEGLIGENCE RESULTING IN PERSONAL INJURIES, PROPERTY DAMAGE OR ANY CONSEQUENTIAL DAMAGES, IS LIMITED TO THE AMOUNT OF THE FEE PAID FOR THIS REPORT. THE RETENTION OR USE OF ANY PART OF THIS REPORT WILL CONSTITUTE AN ACCEPTANCE OF THIS LIMITED LIABILITY. IF THIS IS UNACCEPTABLE, THE CLIENT MUST NOTIFY SOIL MECHANICS DRILLING CORP. IN WRITING BY CERTIFIED MAIL, WITHIN SEVEN DAYS FROM THE DATE OF RECEIPT. THE FEE CHARGED FOR THIS REPORT IS BASED ON THIS LIMITATION OF LIABILITY WHICH IS THE ESSENCE OF THIS AGREEMENT.IF THE CLIENT WANTS A HIGHER LIMITATION OF LIABILITY, SOIL MECHANICS DRILLING CORP., WILL NEGOTIATE ONE, BASED UPON A HIGHER FEE BEING CHARGED FOR THE ADDITIONAL ASSUMPTION OF LIABILITY. SOIL MECHANICS DRILLING CORP., ITS OFFICERS OR EMPLOYEES, HAVE NO LIABILITY OR RESPONSIBILITY TO PERSONS OTHER THAN THE CLIENT FOR WHOM THIS REPORT WAS PREPARED. ANYONE, OTHER THAN OUR CLIENT, RELIES ON THIS REPORT AT THEIR OWN RISK.

OCV ARCHITECTS, P.C.
#203 LAFAYETTE STREET, 5th FLOOR, NEW YORK, NEW YORK 10012

SOIL MECHANICS DRILLING CORP.
subsoil investigations
3770 MERRICK ROAD * SEAFORD, NEW YORK 11783 * 516 - 221-2333

#92 WEST TREMONT AVENUE
-SUBSURFACE INVESTIGATION-
BRONX, NEW YORK

PROJECT
#92 WEST TREMONT AVENUE, BRONX, NEW YORK

BORING PLAN (GROUND SURFACE)

VERTICAL BORING SCALE: 1/4"=1'-0"	DRAWING DATE JULY 25, 2011	DRAWING NUMBER 11R407-5 SHEET 1 OF 1.
DATES OF BORING JULY 5th, 12th, 15th, & 19th, 2011	DWN. BY: JMR / CKD. BY: CV	

LICENSED PROFESSIONAL ENGINEER CARL VERNICK 46371 STATE OF NEW YORK

DATE: JULY 25, 2011
PROJECT No: 11R407-5
DRAWING BY: JMR
CHK BY: CV
DWG No: B-001.00
1 OF 1

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
SOIL ANALYSIS

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JOB #: 09J06
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SCALE: NTS
DRAWING #: B-005.00
PAGE #:

220177350

COM*check* Software Version 3.9.1

Envelope Compliance Certificate

2010 New York Energy Conservation Construction Code

Section 1: Project Information

Project Type: **New Construction**
Project Title : Promesa West Tremont Residence

Construction Site:	Owner/Agent:	Designer/Contractor:
92 West Tremont Avenue Bronx, NY 10458	Thomas Brown ACACIA	John Coogan OCV Architects 203 Lafayette St New York, NY 10012 212-675-6470

Section 2: General Information

Building Location (for weather data): **Bronx, New York**
Climate Zone: **4a**
Building Type for Envelope Requirements: **Residential**
Vertical Glazing / Wall Area Pct.: **18%**

Activity Type(s)	Floor Area
Total Floor Area (Multifamily)	62711

Section 3: Requirements Checklist

Envelope PASSES: Design 5% better than code.

Climate-Specific Requirements:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Roof 1: Insulation Entirely Above Deck	8058	---	30.0	0.032	0.048
Roof 2: Other Roof (b)	558	---	---	0.026	0.027
Exterior Wall 1: Concrete Block:8", Solid Grouted,Normal Density , Furring: Metal	24191	15.0	19.5	0.037	0.090
Window 1: Metal Frame:Double Pane with Low-E, Clear, SHGC 0.40	4907	---	---	0.480	0.550
Door 1: Insulated Metal, Swinging	105	---	---	0.140	0.700
Door 2: Glass (> 50% glazing):Metal Frame, Entrance Door, SHGC 0.29	290	---	---	0.580	0.850
Basement Wall 1: Solid Concrete:12" Thickness, Normal Density, Furring: None, Wall Ht 10.2, Depth B.G. 0.0	4656	---	11.5	0.076	0.108
Floor 1: Slab-On-Grade:Unheated, Horizontal with vertical 2 ft.	472	---	10.0	---	---

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) 'Other' components require supporting documentation for proposed U-factors.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

- ☐ 1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
- ☐ 2. Windows, doors, and skylights certified as meeting leakage requirements.
- ☐ 3. Component R-values & U-factors labeled as certified.
- ☐ 4. No roof insulation is installed on a suspended ceiling with removable ceiling panels.

- ☐ 5. 'Other' components have supporting documentation for proposed U-Factors.
- ☐ 6. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.
- ☐ 7. Stair, elevator shaft vents, and other outdoor air intake and exhaust openings in the building envelope are equipped with motorized dampers.
- ☐ 8. Cargo doors and loading dock doors are weather sealed.
- ☐ 9. Recessed lighting fixtures installed in the building envelope are Type IC rated as meeting ASTM E283, are sealed with gasket or caulk.
- ☐ 10. Building entrance doors have a vestibule equipped with self-closing devices.

  Exceptions:
  - ☐ Building entrances with revolving doors.
  - ☐ Doors not intended to be used as a building entrance.
  - ☐ Doors that open directly from a space less than 3000 sq. ft. in area.
  - ☐ Doors used primarily to facilitate vehicular movement or materials handling and adjacent personnel doors.
  - ☐ Doors opening directly from a sleeping/dwelling unit.

Section 4: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2010 New York Energy Conservation Construction Code requirements in COM*check* Version 3.9.1 and to comply with the mandatory requirements in the Requirements Checklist.

When a Registered Design Professional has stamped and signed this page, they are attesting that to the best of his/her knowledge, belief, and professional judgment, such plans or specifications are in compliance with this Code.

John
Name - Title ______ Signature ______ Date ______

COM*check* Software Version 3.9.1

Interior Lighting Compliance Certificate

2010 New York Energy Conservation Construction Code

Section 1: Project Information

Project Type: **New Construction**
Project Title : Promesa West Tremont Residence

Construction Site:	Owner/Agent:	Designer/Contractor:
92 West Tremont Avenue Bronx, NY 10458	Thomas Brown ACACIA	John Coogan OCV Architects 203 Lafayette St New York, NY 10012 212-675-6470

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
Total Floor Area (Multifamily)	62711	0.7	43898
		Total Allowed Watts =	43898

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Total Floor Area (Multifamily 62711 sq.ft.)				
Linear Fluorescent 1: 'A': Boiler R./Refuse Rm./Jan. Cl./ / 48" T8 32W (Super T8) / Electronic	2	61	64	3904
Linear Fluorescent 2: 'B': Laundry Rm. / 48" T8 32W / Electronic	2	3	64	192
Linear Fluorescent 3: 'C': public halls / 46" T5 28W / Electronic	1	139	28	3892
LED: 'CC': Public Hall / Other	1	7	13	91
Linear Fluorescent 4: 'D': Stairs / 24" T8 17W / Electronic	2	34	34	1156
LED: 'F': Lobby/Vest./Elev. Lobby / Other / Electronic	1	33	59	1947
Linear Fluorescent 5: 'G': Office/Rec Rm./Lounge/ / 22" T5 14W / Electronic	2	12	28	336
Linear Fluorescent 6: 'K': Mail / Other / Electronic	1	2	42	84
LED: 'M': Lobby / Other / Electronic	1	1	60	60
			Total Proposed Watts =	11662

Section 4: Requirements Checklist

Lighting Wattage:

- ☐ 1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
43898	11662	YES

Controls, Switching, and Wiring:

- ☐ 2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
- ☐ 3. Daylight zones have individual lighting controls independent from that of the general area lighting.

  Exceptions:
  - ☐ Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.
  - ☐ Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.
- ☐ 4. Independent controls for each space (switch/occupancy sensor).

  Exceptions:
  - ☐ Areas designated as security or emergency areas that must be continuously illuminated.
  - ☐ Lighting in stairways or corridors that are elements of the means of egress.
- ☐ 5. Master switch at entry to hotel/motel guest room.
- ☐ 6. Individual dwelling units separately metered.
- ☐ 7. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.
- ☐ 8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.

  Exceptions:
  - ☐ Only one luminaire in space.
  - ☐ An occupant-sensing device controls the area.
  - ☐ The area is a corridor, storeroom, restroom, public lobby or sleeping unit.
  - ☐ Areas that use less than 0.6 Watts/sq.ft.
- ☐ 9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.

  Exceptions:
  - ☐ Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.
- ☐ 10. Photocell/astronomical time switch on exterior lights.

  Exceptions:
  - ☐ Lighting intended for 24 hour use.
- ☐ 11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

  Exceptions:
  - ☐ Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Interior Lighting PASSES: Design 73% better than code.

Section 5: Compliance Statement

Compliance Statement: The proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2010 New York Energy Conservation Construction Code requirements in COM*check* Version 3.9.1 and to comply with the mandatory requirements in the Requirements Checklist.

John
Name - Title ______ Signature ______ Date ______

COM*check* Software Version 3.9.1

Exterior Lighting Compliance Certificate

2010 New York Energy Conservation Construction Code

Section 1: Project Information

Project Type: **New Construction**
Project Title : Promesa West Tremont Residence
Exterior Lighting Zone: **2 (Residentially zoned area)**

Construction Site:	Owner/Agent:	Designer/Contractor:
92 West Tremont Avenue Bronx, NY 10458	Thomas Brown ACACIA	John Coogan OCV Architects 203 Lafayette St New York, NY 10012 212-675-6470

Section 2: Exterior Lighting Area/Surface Power Calculation

A Exterior Area/Surface	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B x C)	F Proposed Watts
Side Yard (Illuminated area of facade wall or surface)	312 ft2	0.1	No	31	126
Front door (Main entry)	6 ft of door width	20	Yes	120	78
Main door @ cellar (Other door (not main entry))	3 ft of door width	20	Yes	60	26
Boiler Rm. (Other door (not main entry))	6 ft of door width	20	Yes	120	64
Recreation Rm. (Other door (not main entry))	6 ft of door width	20	Yes	120	32
Recreation Rm. (Other door (not main entry))	6 ft of door width	20	Yes	120	32
Recreation Rm. (Other door (not main entry))	6 ft of door width	20	Yes	120	32
Fire Stair B - Side Yard (Other door (not main entry))	3 ft of door width	20	Yes	60	32
Green Roof (Special feature area)	604 ft2	0.14	Yes	85	64
Fire Stair A - Roof (Other door (not main entry))	3 ft of door width	20	Yes	60	32
Fire Stair B - Roof (Other door (not main entry))	3 ft of door width	20	Yes	60	32
Green Roof (Other door (not main entry))	3 ft of door width	20	Yes	60	154
Stair-Terrace 1 (Stairway)	51 ft2	1	Yes	51	40
Stair-Terrace 2 (Stairway)	19 ft2	1	Yes	19	30
Ramp (Walkway < 10 feet wide)	65 ft of walkway length	0.7	Yes	46	50
Terrace 3 & 4 (Special feature area)	411 ft2	0.14	Yes	58	96
Side yard (Special feature area)	865 ft2	0.14	Yes	121	300
			Total Tradable Watts* =	1279	1094
			Total Allowed Watts =	1310	
			Total Allowed Supplemental Watts** =	600	

* Wattage tradeoffs are only allowed between tradable areas/surfaces.
** A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Section 3: Exterior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Side Yard (Illuminated area of facade wall or surface 312 ft2): Non-tradable Wattage				
LED: 'N': Other	1	9	14	126
Front door (Main entry 6 ft of door width): Tradable Wattage				
Compact Fluorescent 11: 'J': Spiral 26W / Electronic	1	3	26	78

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Main door @ cellar (Other door (not main entry) 3 ft of door width): Tradable Wattage				
Compact Fluorescent 12: Spiral 26W / Electronic	1	1	26	26
Boiler Rm. (Other door (not main entry) 6 ft of door width): Tradable Wattage				
Compact Fluorescent 1: 'H': Wall mount / Quad 2-pin 26W / Electronic	2	2	32	64
Recreation Rm. (Other door (not main entry) 6 ft of door width): Tradable Wattage				
Compact Fluorescent 2: 'H': Quad 2-pin 26W / Electronic	2	1	32	32
Recreation Rm. (Other door (not main entry) 6 ft of door width): Tradable Wattage				
Compact Fluorescent 3: 'H': Quad 2-pin 26W / Electronic	2	1	32	32
Recreation Rm. (Other door (not main entry) 6 ft of door width): Tradable Wattage				
Compact Fluorescent 4: 'H': Quad 2-pin 26W / Electronic	2	1	32	32
Fire Stair B - Side Yard (Other door (not main entry) 3 ft of door width): Tradable Wattage				
Compact Fluorescent 5: 'H': Quad 2-pin 26W / Electronic	2	1	32	32
Green Roof (Special feature area 604 ft2): Tradable Wattage				
Compact Fluorescent 6: 'H': Quad 2-pin 26W / Electronic	2	2	32	64
Fire Stair A - Roof (Other door (not main entry) 3 ft of door width): Tradable Wattage				
Compact Fluorescent 7: 'O': Quad 2-pin 26W / Electronic	1	1	32	32
Fire Stair B - Roof (Other door (not main entry) 3 ft of door width): Tradable Wattage				
Compact Fluorescent 8: 'O': Quad 2-pin 26W / Electronic	1	1	32	32
Green Roof (Other door (not main entry) 3 ft of door width): Tradable Wattage				
Compact Fluorescent 9: 'H': Quad 2-pin 26W / Electronic	1	2	32	64
LED: 'I': Other / Electronic	1	9	10	90
Stair-Terrace 1 (Stairway 51 ft2): Tradable Wattage				
LED: 'I': Other / Electronic	1	4	10	40
Stair-Terrace 2 (Stairway 19 ft2): Tradable Wattage				
LED: 'I': Other / Electronic	1	3	10	30
Ramp (Walkway < 10 feet wide 65 ft of walkway length): Tradable Wattage				
LED: 'I': Other / Electronic	1	5	10	50
Terrace 3 & 4 (Special feature area 411 ft2): Tradable Wattage				
Compact Fluorescent 10: 'H': Quad 2-pin 26W / Electronic	2	3	32	96
Side yard (Special feature area 865 ft2): Tradable Wattage				
Incandescent 2: 'L': Incandescent 75W	1	4	75	300
			Total Tradable Proposed Watts =	1094

Section 4: Requirements Checklist

Lighting Wattage:

- ☐ 1. Within each non-tradable area/surface, total proposed watts must be less than or equal to total allowed watts. Across all tradable areas/surfaces, total proposed watts must be less than or equal to total allowed watts.
  Compliance: Passes using supplemental allowance watts.

Controls, Switching, and Wiring:

- ☐ 2. All exemption claims are associated with fixtures that have a control device independent of the control of the nonexempt lighting.
- ☐ 3. Lighting not designated for dusk-to-dawn operation is controlled by either a a photosensor (with time switch), or an astronomical time switch.
- ☐ 4. Lighting designated for dusk-to-dawn operation is controlled by an astronomical time switch or photosensor.
- ☐ 5. All time switches are capable of retaining programming and the time setting during loss of power for a period of at least 10 hours.

Exterior Lighting Efficacy:

- ☐ 6. All exterior building grounds luminaires that operate at greater than 100W have minimum efficacy of 60 lumen/watt.

  Exceptions:
  - ☐ Lighting that has been claimed as exempt and is identified as such in Section 3 table above.
  - ☐ Lighting that is specifically designated as required by a health or life safety statue, ordinance, or regulation.
  - ☐ Emergency lighting that is automatically off during normal building operation.
  - ☐ Lighting that is controlled by motion sensor.

Exterior Lighting PASSES: Design 39% better than code.

Section 5: Compliance Statement

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
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MEP CONSULTANT:
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TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
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DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: key/am
SCALE:

DRAWING #:
EC-006

PAGE #:
220177350

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2010 New York Energy Conservation Construction Code requirements in COMcheck Version 3.9.1 and to comply with the mandatory requirements in the Requirements Checklist.

John
Name - Title

Signature

Date

COMcheck Software Version 3.9.1
Mechanical Compliance Certificate

2010 New York Energy Conservation Construction Code

Section 1: Project Information

Project Type: **New Construction**
Project Title : Promesa West Tremont Residence

Construction Site:	Owner/Agent:	Designer/Contractor:
92 West Tremont Avenue Bronx, NY 10458	Thomas Brown ACACIA	John Coogan OCV Architects 203 Lafayette St New York, NY 10012 212-675-6470

Section 2: General Information

Building Location (for weather data): **Bronx, New York**
Climate Zone: **4a**

Section 3: Mechanical Systems List

Quantity	System Type & Description
1	HVAC System 1 (Single Zone) : Split System Heat Pump Heating Mode: Capacity = 124 kBtu/h, Efficiency = 3.30 COP Cooling Mode: Capacity = 169 kBtu/h, Efficiency = 11.10 EER, No Economizer , Economizer exception: Humidity Requirements
2	Plant 1: Heating: Hot Water Boiler, Capacity 1250 kBtu/h, Gas, Efficiency: 85.10 % Et, with Waterloop Heat Pump

Section 4: Requirements Checklist

Requirements Specific To: HVAC System 1 :

☐ 1. Equipment minimum efficiency: Heat Pump: 3.20 COP 10.60 EER
☐ 2. Integrated economizer is required for this location and system.
Exception(s):
- ☐ Airlevap condenser and extensive outside-air filtration
- ☐ Airlevap condenser serving space with open-case refrigeration

Requirements Specific To: Plant 1 :

☐ 1. Equipment minimum efficiency: Boiler Thermal Efficiency 75% Et 80% Ec
☐ 2. Loop temperature controlled with 20 degrees F deadband where neither cooling tower/fluid cooler nor boiler can operate
☐ 3. Two-position valve on each heat pump having total heat pump system power >10hp
☐ 4. Newly purchased heating equipment meets the efficiency requirements
- used equipment must meat 80% Et @ maximum capacity
☐ 5. Systems with multiple boilers have automatic controls capable of sequencing boiler operation
☐ 6. Hydronic heating systems comprised of a single boiler and >500 kBtu/h input design capacity include either a multistaged or modulating burner

Generic Requirements: Must be met by all systems to which the requirement is applicable:

☐ 1. Plant equipment and system capacity no greater than needed to meet loads
Exception(s):
- ☐ Standby equipment automatically off when primary system is operating

- ☐ Multiple units controlled to sequence operation as a function of load

☐ 2. Minimum one temperature control device per system
☐ 3. Minimum one humidity control device per installed humidification/dehumidification system
☐ 4. Load calculations per ASHRAE/ACCA Standard 183.
☐ 5. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup
Exception(s):
- ☐ Continuously operating zones
- ☐ 2 kW demand or less, submit calculations

☐ 6. Outside-air source for ventilation; system capable of reducing OSA to required minimum
☐ 7. R-5 supply and return air duct insulation in unconditioned spaces
R-8 supply and return air duct insulation outside the building
R-8 insulation between ducts and the building exterior when ducts are part of a building assembly
Exception(s):
- ☐ Ducts located within equipment
- ☐ Ducts with interior and exterior temperature difference not exceeding 15°F.

☐ 8. Mechanical fasteners and sealants used to connect ducts and air distribution equipment
☐ 9. Ducts sealed - longitudinal seams on rigid ducts; transverse seams on all ducts; UL 181A or 181B tapes and mastics
Exception(s):
- ☐ Continuously welded and locking-type longitudinal joints and seams on ducts operating at static pressures less than 2 inches w.g. pressure classification

☐ 10. Hot water pipe insulation: 1.5 in. for pipes <=1.5 in. and 2 in. for pipes >1.5 in.
Chilled water/refrigerant/brine pipe insulation: 1.5 in. for pipes <=1.5 in. and 1.5 in. for pipes >1.5 in.
Steam pipe insulation: 1.5 in. for pipes <=1.5 in. and 3 in. for pipes >1.5 in.
Exception(s):
- ☐ Piping within HVAC equipment.
- ☐ Fluid temperatures between 55 and 105°F.
- ☐ Fluid not heated or cooled with renewable energy.
- ☐ Piping within room fan-coil (with AHRI440 rating) and unit ventilators (with AHRI840 rating).
- ☐ Runouts <4 ft in length.

☐ 11. Operation and maintenance manual provided to building owner
☐ 12. Hot water distribution systems >= 300 kBtu/h must have one of the following:
a) controls that reset supply water temperature by 25% of supply/return delta T
b) mechanical or electrical adjustable-speed pump drive(s)
c) two-way valves at all heating coils
d) multiple-stage pumps
e) other system controls that reduce pump flow by at least 50% based on load - calculations required
Exception(s):
- ☐ Where the supply temperature reset controls cannot be implemented without causing improper operation of heating, cooling, humidification, or dehumidification systems.
- ☐ Hydronic systems that use variable flow to reduce pumping energy.

☐ 13. Balancing devices provided in accordance with IMC (2006) 603.17
☐ 14. Demand control ventilation (DCV) present for high design occupancy areas (>40 person/1000 ft2 in spaces >500 ft2) and served by systems with any one of 1) an air-side economizer, 2) automatic modulating control of the outdoor air damper, or 3) a design outdoor airflow greater than 3000 cfm.
Exception(s):
- ☐ Systems with heat recovery.
- ☐ Multiple-zone systems without DDC of individual zones communicating with a central control panel.
- ☐ Systems with a design outdoor airflow less than 1200 cfm.
- ☐ Spaces where the supply airflow rate minus any makeup or outgoing transfer air requirement is less than 1200 cfm.

☐ 15. Motorized, automatic shutoff dampers required on exhaust and outdoor air supply openings
Exception(s):
- ☐ Gravity dampers acceptable in buildings <3 stories
- ☐ Gravity dampers acceptable in systems with outside or exhaust air flow rates less than 300 cfm where dampers are interlocked with fan

☐ 16. Automatic controls for freeze protection systems present
☐ 17. Exhaust air heat recovery included for systems 5,000 cfm or greater with more than 70% outside air fraction or specifically exempted
Exception(s):
- ☐ Hazardous exhaust systems, commercial kitchen and clothes dryer exhaust systems that the International Mechanical Code prohibits the use of energy recovery systems.

- ☐ Systems serving spaces that are heated and not cooled to less than 60°F.
- ☐ Where more than 60 percent of the outdoor heating energy is provided from site-recovered or site solar energy.
- ☐ Heating systems in climates with less than 3500 HDD.
- ☐ Cooling systems in climates with a 1 percent cooling design wet-bulb temperature less than 64°F.
- ☐ Systems requiring dehumidification that employ energy recovery in series with the cooling coil.
- ☐ Laboratory fume hood exhaust systems that have either a variable air volume system capable of reducing exhaust and makeup air volume to 50 percent or less of design values or, a separate make up air supply meeting the following makeup air requirements: a) at least 75 percent of exhaust flow rate, b) heated to no more than 2°F below room setpoint temperature, c) cooled to no lower than 3°F above room setpoint temperature, d) no humidification added, e) no simultaneous heating and cooling.

Section 5: Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2010 New York Energy Conservation Construction Code requirements in COMcheck Version 3.9.1 and to comply with the mandatory requirements in the Requirements Checklist.

John
Name - Title

Signature

Date

Section 6: Post Construction Compliance Statement

☐ HVAC record drawings of the actual installation, system capacities, calibration information, and performance data for each equipment provided to the owner.
☐ HVAC O&M documents for all mechanical equipment and system provided to the owner by the mechanical contractor.
☐ Written HVAC balancing and operations report provided to the owner.

The above post construction requirements have been completed.

Principal Mechanical Designer-Name

Signature

Date

COMcheck Software Version 3.9.1
Mechanical Requirements Description

2010 New York Energy Conservation Construction Code

The following list provides more detailed descriptions of the requirements in Section 4 of the Mechanical Compliance Certificate.

Requirements Specific To: HVAC System 1 :

1. The specified heating and/or cooling equipment is covered by the ASHRAE 90.1 Code and must meet the following minimum efficiency: Heat Pump: 3.20 COP 10.60 EER
2. An integrated economizer is required for individual cooling systems over 54 kBtu/h in the selected project location. An integrated economizer allows simultaneous operation of outdoor-air and mechanical cooling.
Exception(s):
- An economizer is not required due to unusual outside air filtration requirements. Section 403.3 of the IMC sets minimum outside air ventilation requirements and requirements for filtration or purification if the outside air does not meet minimum air-quality requirements. Economizers are not required for systems having air- or evaporatively cooled condensers (i.e., those that cannot use water economizers) when the outside air pollutants can be classified as "unusual."
- An economizer is not required for systems having air or evaporatively cooled condensers that serve spaces with open-case refrigeration.

Requirements Specific To: Plant 1 :

1. The specified heating and/or cooling equipment is covered by the ASHRAE 90.1 Code and must meet the following minimum efficiency: Boiler Thermal Efficiency 75% Et 80% Ec
2. Loop temperature controlled with 20 degrees F deadband where neither cooling tower/fluid cooler nor boiler can operate.
3. Two-position valves must be provided on each heat pump where the total heat pump system power is greater than 10 hp.
4. The specified heating equipment is covered by Federal minimum efficiency requirements. New equipment of this type can be assumed to meet or exceed ASHRAE 90.1 Code requirements for equipment efficiency. Used equipment must meet 80% Et @ maximum capacity.
5. Systems with multiple boilers have automatic controls capable of sequencing the operation of the boilers.
6. Hydronic heating systems comprised of a single boiler and >500 kBtu/h input design capacity include either a multistaged or modulating burner.

Generic Requirements: Must be met by all systems to which the requirement is applicable:

1. All equipment and systems must be sized to be no greater than needed to meet calculated loads. A single piece of equipment providing both heating and cooling must satisfy this provision for one function with the capacity for the other function as small as possible, within available equipment options.
Exception(s):
- The equipment and/or system capacity may be greater than calculated loads for standby purposes. Standby equipment must be automatically controlled to be off when the primary equipment and/or system is operating.
- Multiple units of the same equipment type whose combined capacities exceed the calculated load are allowed if they are provided with controls to sequence operation of the units as the load increases or decreases.
2. Each heating or cooling system serving a single zone must have its own temperature control device.
3. Each humidification system must have its own humidity control device.
4. Design heating and cooling loads for the building must be determined using procedures in the ASHRAE Handbook of Fundamentals or an approved equivalent calculation procedure.
5. The system or zone control must be a programmable thermostat or other automatic control meeting the following criteria:
a) capable of setting back temperature to 55°F during heating and setting up to 85°F during cooling,
b) capable of automatically setting back or shutting down systems during unoccupied hours using 7 different day schedules,
c) have an accessible 2-hour occupant override,
d) have a battery back-up capable of maintaining programmed settings for at least 10 hours without power.
Exception(s):
- A setback or shutoff control is not required on thermostats that control systems serving areas that operate continuously.
- A setback or shutoff control is not required on systems with total energy demand of 2 kW (6,826 Btu/h) or less.
6. The system must supply outside ventilation air as required by Chapter 4 of the International Mechanical Code. If the ventilation system is designed to supply outdoor-air quantities exceeding minimum required levels, the system must be capable of reducing outdoor-air flow to the minimum required levels.
7. Air ducts must be insulated to the following levels:

a) Supply and return air ducts for conditioned air located in unconditioned spaces (spaces neither heated nor cooled) must be insulated with a minimum of R-5. Unconditioned spaces include attics, crawl spaces, unheated basements, and unheated garages.
b) Supply and return air ducts or plenums must be insulated to a minimum of R-8 when located outside the building.
c) When ducts are located within exterior components (e.g., floors or roofs), minimum R-8 insulation is required only between the duct and the building exterior.
Exception(s):
- Duct insulation is not required on ducts located within equipment.
- Duct insulation is not required when the design temperature difference between the interior and exterior of the duct or plenum does not exceed 15°F.

8. Mechanical fasteners and seals, mastics, or gaskets must be used when connecting ducts to fans and other air distribution equipment, including multiple-zone terminal units.
9. All joints, longitudinal and transverse seams, and connections in ductwork must be securely sealed using weldments; mechanical fasteners with seals, gaskets, or mastics; mesh and mastic sealing systems; or tapes. Tapes and mastics must be listed and labeled in accordance with UL 181A and shall be marked "181A-P" for pressure sensitive tape, "181A-M" for mastic or "181A-H" for heat-sensitive tape. Tapes and mastics used to seal flexible air ducts and flexible air connectors shall comply with UL 181B and shall be marked "181B-FX" for pressure-sensitive tape or "181B-M" for mastic. Unlisted duct tape is not permitted as a sealant on any metal ducts.
Exception(s):
- Continuously welded and locking-type longitudinal joints and seams on ducts operating at static pressures less than 2 inches w.g. pressure classification.

10. All pipes serving space-conditioning systems must be insulated as follows:
Hot water piping for heating systems:
1 1/2 in. for pipes <=1 1/2-in. nominal diameter,
2 in. for pipes >1 1/2-in. nominal diameter.
Chilled water, refrigerant, and brine piping systems:
1 1/2 in. insulation for pipes <=1 1/2-in. nominal diameter,
1 1/2 in. insulation for pipes >1 1/2-in. nominal diameter.
Steam piping:
1 1/2 in. insulation for pipes <=1 1/2-in. nominal diameter,
3 in. insulation for pipes >1 1/2-in. nominal diameter.
Exception(s):
- Pipe insulation is not required for factory-installed piping within HVAC equipment.
- Pipe insulation is not required for piping that conveys fluids having a design operating temperature range between 55°F and 105°F.
- Pipe insulation is not required for piping that conveys fluids that have not been heated or cooled through the use of fossil fuels or electric power.
- Piping within room fan-coil (with AHRI440 rating) and unit ventilators (with AHRI840 rating).
- Pipe insulation is not required for runout piping not exceeding 4 ft in length and 1 in. in diameter between the control valve and HVAC coil.

11. Operation and maintenance documentation must be provided to the owner that includes at least the following information:
a) equipment capacity (input and output) and required maintenance actions
b) equipment operation and maintenance manuals
c) HVAC system control maintenance and calibration information, including wiring diagrams, schematics, and control sequence descriptions; desired or field-determined set points must be permanently recorded on control drawings, at control devices, or, for digital control systems, in programming comments
d) complete narrative of how each system is intended to operate.
12. Hot water space-heating systems with a capacity exceeding 300 kBtu/h supplying heated water to comfort conditioning systems must include controls that automatically reset supply water temperatures by representative building loads (including return water temperature) or by outside air temperature.
Exception(s):
- Where the supply temperature reset controls cannot be implemented without causing improper operation of heating, cooling, humidification, or dehumidification systems.
- Hydronic systems that use variable flow to reduce pumping energy.

13. Balancing devices provided in accordance with IMC (2006) 603.17.
14. Demand control ventilation (DCV) required for high design occupancy areas (>40 person/1000 ft2 in spaces >500 ft2) and served by systems with any one of 1) an air-side economizer, 2) automatic modulating control of the outdoor air damper, or 3) a design outdoor airflow greater than 3000 cfm.
Exception(s):
- Systems with heat recovery.
- Multiple-zone systems without DDC of individual zones communicating with a central control panel.
- Systems with a design outdoor airflow less than 1200 cfm.
- Spaces where the supply airflow rate minus any makeup or outgoing transfer air requirement is less than 1200 cfm.

15. Outdoor air supply and exhaust systems must have motorized dampers that automatically shut when the systems or spaces served are not in use. Dampers must be capable of automatically shutting off during preoccupancy building warm-up, cool-down, and setback, except when ventilation reduces energy costs (e.g., night purge) or when ventilation must be supplied to meet code requirements. Both outdoor air supply and exhaust air dampers must have a maximum leakage rate of 3 cfm/ft2 at 1.0 in w.g. when tested in accordance with AMCA Standard 500.
Exception(s):
- Gravity (non-motorized) dampers are acceptable in buildings less than three stories in height.
- Systems with a design outside air intake or exhaust capacity of 300 cfm (140 L/s) or less that are equipped with motor operated dampers that open and close when the unit is energized and de-energized, respectively.

16. All freeze protection systems, including self-regulating heat tracing, must include automatic controls capable of shutting off the systems when outside air temperatures are above 40°F or when the conditions of the protected fluid will prevent freezing. Snow- and ice-melting systems must include automatic controls capable of shutting off the systems when the pavement temperature is above 50°F and no precipitation is falling, and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40°F.
17. Individual fan systems with a design supply air capacity of 5000 cfm or greater and minimum outside air supply of 70 percent or greater of the supply air capacity must have an energy recovery system with at least a 50 percent effectiveness. Where cooling with outdoor air is required there is a means to bypass or control the energy recovery system to permit cooling with outdoor air.
Exception(s):
- Hazardous exhaust systems, commercial kitchen and clothes dryer exhaust systems that the International Mechanical Code prohibits the use of energy recovery systems.
- Systems serving spaces that are heated and not cooled to less than 60°F.
- Where more than 60 percent of the outdoor heating energy is provided from site-recovered or site solar energy.
- Heating systems in climates with less than 3600 HDD.
- Cooling systems in climates with a 1 percent cooling design wet-bulb temperature less than 64°F.
- Systems requiring dehumidification that employ energy recovery in series with the cooling coil..
- Laboratory fume hood exhaust systems that have either a variable air volume system capable of reducing exhaust and makeup air volume to 50 percent or less of design values or, a separate make up air supply meeting the following makeup air requirements: a) at least 75 percent of exhaust flow rate, b) heated to no more than 2°F below room setpoint temperature, c) cooled to no lower than 3°F above room setpoint temperature, d) no humidification added, e) no simultaneous heating and cooling.

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
ENERGY COMPLIANCE

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO, P.C.
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: key/am
SCALE:

DRAWING #: EC-007

PAGE #: 220177350

NOTE: ALL CURB, SIDEWALK AND ROADWAY PAVEMENT, PEDESTRIAN RAMPS, 5'X5' CONCRETE FLAGS, ETC. TO COMPLY WITH D.O.T. REGULATIONS.

LEGEND:

- NEW ASPHALTIC CONC.
- CURB CUT
- LIGHT POLE
- FIRE HYDRANT
- WATER MANHOLE
- EXISTING TREE
- NEW TREE

LIST OF ESTIMATE QUANTITIES

New Curb	330'-3"	Lin. ft.
New Sidewalk (4" slab)	5,130	Sq. ft.
New Driveway (7" slab)	none	Sq. ft.
New Roadway	364	Sq. yds.
New Trees	11	Each
New CBs	none	Each
New Dip	none	Lin. ft.
New Manholes	none	Each

GENERAL REQUIREMENTS

1. ALL DESIGN, MATERIALS, CONSTRUCTION METHODS AND WORKMANSHIP SHALL COMPLY WITH THE FOLLOWING PUBLICATIONS OF THE BUREAU OF HIGHWAYS: STANDARD SPECIFICATIONS. STANDARD DETAILS OF CONSTRUCTION; RULES OF THE BUREAU OF HIGHWAY OPERATIONS; GUIDELINES FOR THE DESIGN OF INFRASTRUCTURE COMPONENTS.
2. ALL NON STANDARD MATERIALS AND CONSTRUCTION PROCEDURES SHALL BE SPECIFICALLY APPROVED IN WRITING BY THE DOB.
3. ANY WORK NOT COMPLYING WITH THE REQUIREMENTS OF THE DOT SHALL BE REMOVED AND REPLACED.
4. THIS PLAN SHALL BE VALID FOR THE ISSUANCE OF CONSTRUCTION PERMITS FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL OR SELF-CERTIFICATION, AS APPLICABLE.
5. ALL SIDEWALK AND STREET AREAS CONSTRUCTED UNDER THIS PLAN SHALL REMAIN OPEN TO THE PUBLIC AT ALL TIMES.

ISSUANCE OF PERMITS

6. NO SIDEWALK, CURB OR ROADWAY WORK SHALL BE DONE WITHOUT A PERMIT FROM THE BOROUGH HIGHWAY SUPERINTENDENT. APPLICATION SHALL BE MADE THREE DAYS BEFORE STARTING CONSTRUCTION. THE CONTRACTOR SHALL HAVE ALL REQUIRED INSURANCE COVERAGE ON FILE.
7. NO WORK ON DRAINAGE STRUCTURES SHALL BE DONE WITHOUT A PERMIT FROM THE BOROUGH OFFICE OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
8. ANY VAULT WORK AT THE SITE SHALL BE DONE AS PER THE APPLICABLE RULES OF THE DOT AND THE DEPT. OF BUILDINGS.

CONSTRUCTION ACTIVITY

9. A CONSTRUCTION PLAN SHOWING MAINTENANCE AND PROTECTION OF TRAFFIC, INCLUDING PLACEMENT OF SIDEWALK BRIDGES, BARRIERS AND SIGNAGE, SHALL BE SUBMITTED TO THE BOROUGH HIGHWAY OFFICE BEFORE CONSTRUCTION BEGINS.
10. NO SIDEWALK SHALL BE CLOSED WITHOUT A PERMIT. PEDESTRIAN AND TRAFFIC SAFETY SHALL BE PROTECTED AT ALL TIMES. ROADWAY CLOSINGS SHALL BE AS DIRECTED.
11. THE SITE SHALL BE MAINTAINED IN A CLEAN AND SAFE CONDITION.

FINAL SIGN OFF

12. PERMITS SHALL BE PRESENTED FROM ALL PUBLIC AGENCIES AND UTILITIES HAVING OWNERSHIP OF STRUCTURES RELOCATED OR REMOVED DURING CONSTRUCTION.
13. ALL PAVEMENT MARKINGS INCLUDING THERMOPLASTIC LANE DIVIDERS, REMOVED DURING CONSTRUCTION SHALL BE REPLACED IN KIND TO THE BUREAU OF TRAFFIC STDS.
14. ALL EXISTING CATCH BASINS ON SITE SHALL BE CLEANED AND MADE OPERABLE.
15. ALL DAMAGE CAUSED BY CONSTRUCTION ON THIS PROJECT OUTSIDE THE PROJECT LIMITS SHALL BE REPAIRED AS DIRECTED.
16. THE ROADWAY SHALL BE PAVED TO THE REQUIREMENTS OF THE DOB AND AS DIRECTED.

PLAN NOTES:

1. ALL SURVEY DATA OBTAINED FROM A SURVEY DONE BY JOSEPH NICOLETTI P.L.S. DATED FEB 10, 2009.
2. ALL ELEVATIONS SHOWN REFER TO THE BOROUGH OF BRONX DATUM WHICH IS 2,608 FEET ABOVE U.S.C. & G.S. DATUM, MEAN SEA LEVEL, SANDY HOOK N.J.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND USING LATEST EDITION OF DEPT. OF TRANSPORTATION CONSTRUCTION AND SPECIFICATIONS.
4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A PERMIT FROM THE N.Y.C. DEPT. OF PARKS AND RECREATION PRIOR TO INSTALLING ANY TREE IN THE PUBLIC RIGHT-OF-WAY.

LIST OF STANDARDS:

1. STEEL FACED CONC. CURB....H-1010
2. PEDESTRIAN RAMP....H-1011-R09/06
3. DROP CURB....H-1015-R79
4. CONCRETE CURB....H-1044
5. 4" THICK CONCRETE SIDEWALK....H1045 TYPE I
6. 7" THICK CONCRETE SIDEWALK....H1045 TYPE II (AT DRIVEWAYS)
7. TREES IN TREE PITS....H-1046

NOTE:

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND USING THE LATEST DEPT. OF TRANSPORTATION CONSTRUCTION DETAILS AND SPECIFICATIONS.

Borough: **BRONX** Sheet 1 of 2

DOB Ref. No.: **220177350** BPP Ref. No.:

NEW YORK CITY
DEPARTMENT OF BUILDINGS
BUILDERS PAVEMENT PLAN

PROJECT DATA

Block(s) 2867 **Lot(s)** 125

Zoning R7-1 **Zoning Map No.** 3A/3B/3C/3D

Street Address 92 WEST TREMONT AVENUE
BRONX, NEW YORK

Owner: PROMESA

Plan prepared by:

OCV
ARCHITECTS
203 LAFAYETTE STREET
N.Y., N.Y. 10012
TEL 212 - 675 - 6470
FAX 212 - 675 - 6728

Seal

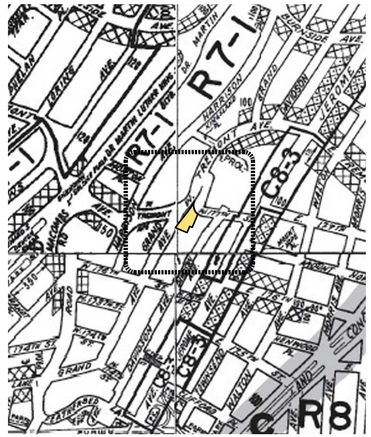
Signature

WAIVERS

DOB requirement waived. As per/Date

1)
2)
3)
4)

ZONING MAP
N.T.S.



PROFESSIONAL CERTIFICATION
(OPTIONAL)
I am submitting this plan under professional certification in compliance with all applicable requirements.

Signature __/__/__ Date

DOB APPROVAL NOT REQUIRED

DOB APPROVAL
Proposed and existing work shown here reviewed for compliance with all applicable rules and requirements by:

Plan Examiner

Approval for issuance of work permits granted by:

Chief/Builders Pavement Section __/__/__ Date

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

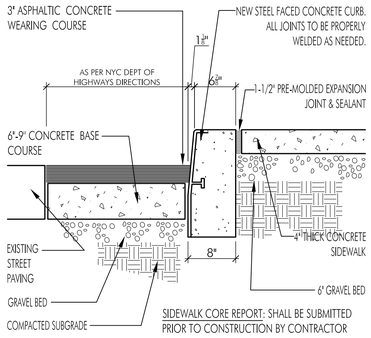
DRAWING TITLE:
BUILDERS PAVING PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: key/am
SCALE: 1/16"=1'-0"

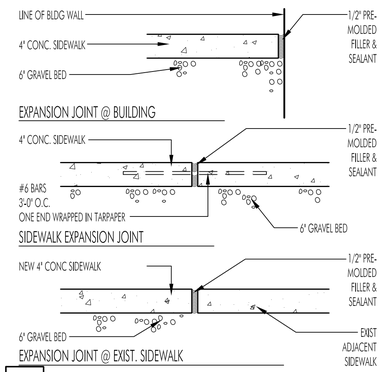
DRAWING #: BPP-008.00

PAGE #: 220177350



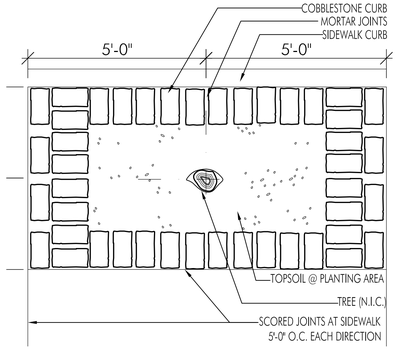
1 STREET PAVING DETAIL

1-1/2"=1'-0"



2 EXPANSION JOINT DETAILS

1-1/2"=1'-0"

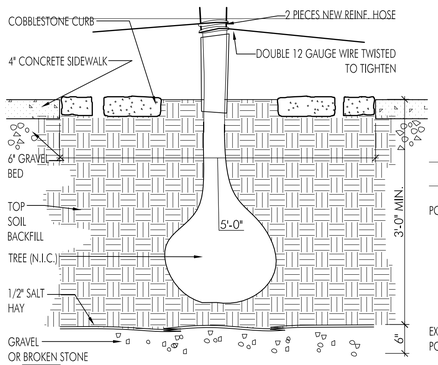


3 TREE PIT DETAIL @ SIDEWALK

N.T.S

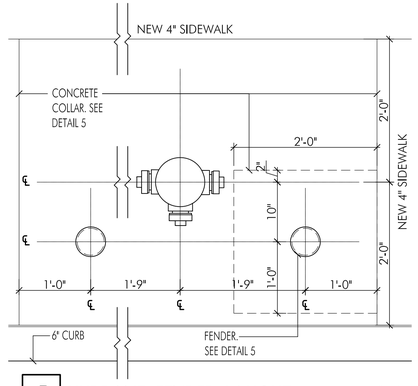
ADDITIONAL NOTES REGARDING SIDEWALK PEDESTRIAN RAMPS

1. REFER TO H 1010 R79 (LATEST REVISION) FOR STEEL FACED CURB - TYPE D
2. ALL MATERIALS AND CONSTRUCTION METHODS USED SHALL CONFORM TO SECTIONS #4.08/4.09/4.13 OF THE STANDARD SPECIFICATIONS, LATEST EDITION, AS AMENDED.
3. WHEN INSTALLING PEDESTRIAN RAMPS IN OTHER THAN PRE-ENGINEERED CAPITAL RECONSTRUCTION PROJECTS, ALLOWANCE SHALL BE MADE FOR EXISTING CONDITIONS PROVIDED THAT THE SLOPE OF THE RAMP SHALL NOT EXCEED 1:12 AND THE ZERO INCH REVEAL IS OBTAINED. TO INSURE THAT SOUND ENGINEERING JUDGEMENT IS USED IN MEETING EXISTING CONDITIONS, ANY AND ALL VARIATIONS FROM THE DETAILS OF CONSTRUCTION HEREIN SHOWN MUST HAVE THE JOINT APPROVAL OF BOTH THE CHIEF ENGINEER OF DESIGN AND THE CHIEF ENGINEER OF CONSTRUCTION.
4. CASE II PLAN SHALL BE USED ONLY WHERE EXPLICITLY DIRECTED BY THE ENGINEER AND APPROVED BY THE COMMISSIONER PRIOR TO DESIGN/INSTALLATION.
5. SURFACE TEXTURE OF PEDESTRIAN RAMP SHALL BE STABLE, FIRM, AND SLIP RESISTANT. CONCRETE RAMP SHALL HAVE A COARSE BROOM FINISH RUNNING PERPENDICULAR TO THE SLOPE, EXCLUSIVE OF DETECTABLE WARNING FIELDS.
6. THE LANDING BETWEEN THE PROPERTY LINES AND THE BACK EDGE OF RAMPS SHALL BE 4' MINIMUM WHERE CASE I RAMPS ARE USED.
7. ALL EXPOSED STEEL SURFACES SHALL BE GROUND SMOOTH.



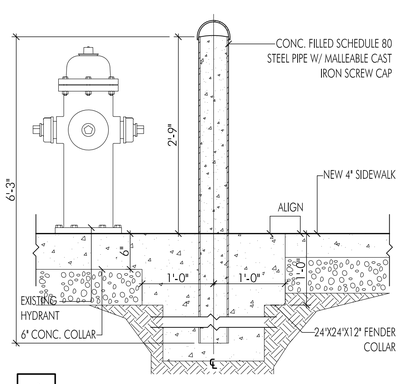
4 SECTION AT TREE PIT

1"=1'-0"



5 HYDRANT FENDER LAYOUT

1"=1'-0"



6 HYDRANT FENDER SECTION

1"=1'-0"

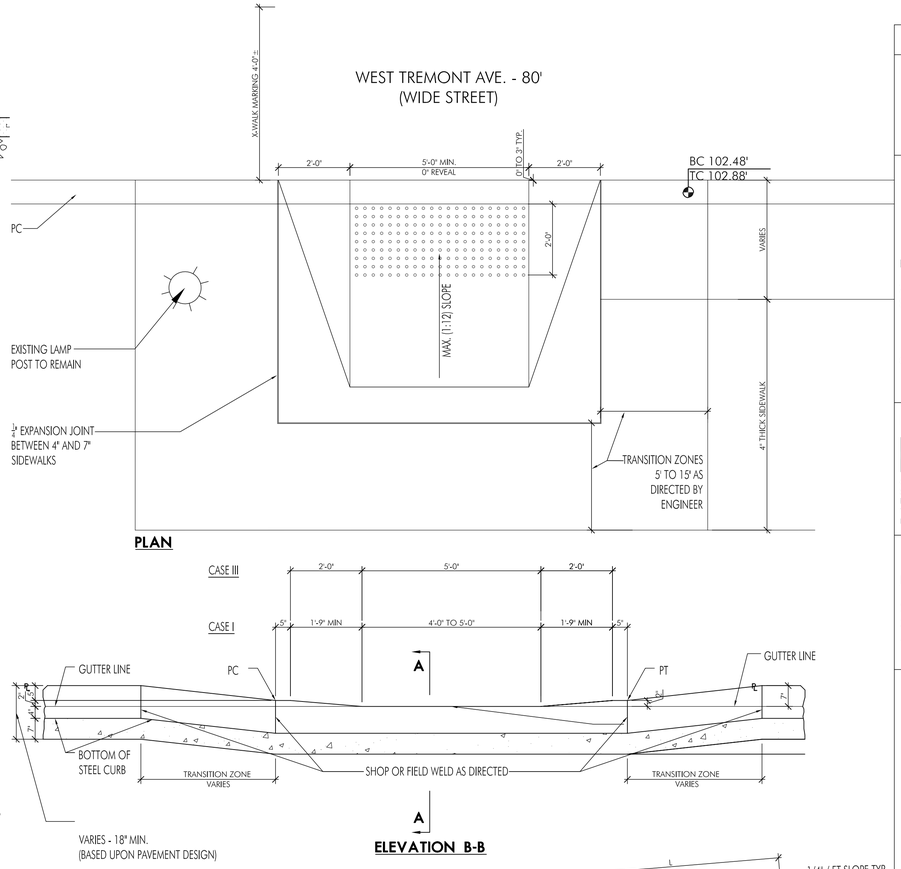
8. ON FULL WIDTH SIDEWALKS, EXPANSION JOINTS TO BE PLACED AT BUILDING FACES, STRUCTURES AS WELL AS AT BACK FACE OF CURB.
9. ALL DIMENSIONS AND NOTES SHALL BE APPLICABLE TO GRANITE CURB INSTALLATIONS AND/OR CONCRETE CURB INSTALLATIONS.
10. THE FOLLOWING GUIDELINES SHALL BE APPLIED IN DETERMINING THE APPLICATIONS OF THE SPECIFIC CASES:

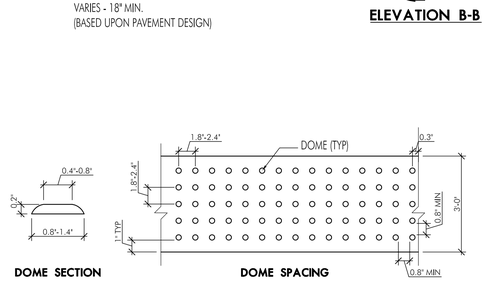
CASE I
FOR CORNERS WITH
R = 12' INTERIOR ANGLES 90
R = 13' INTERIOR BET. 83 & 93
R = 14' INTERIOR BET. 77 & 90
R = 15' INTERIOR BET. 72 & 81

CASE II
FOR CORNERS WITH
R 12'
R = 12' INTERIOR ANGLE 90
R = 13' INTERIOR ANGLE 83
R = 14' INTERIOR ANGLE 77
R = 15' INTERIOR ANGLE 72

CASE III
FOR CORNERS WITH
R 15'
R = 15' INTERIOR ANGLE 81
R = 14' INTERIOR ANGLE 90
R = 13' INTERIOR ANGLE 93

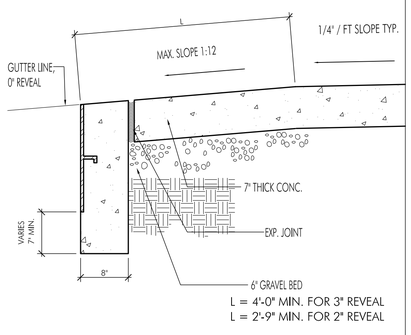
11. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE, THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING FIELD (THE DOMES AND THE ENTIRE 2 FT. WIDE SURFACE) IS FOR ILLUSTRATION ONLY.
12. THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 3 FT. IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP AS SHOWN, EXCLUSIVE OF SIDE FLARES.
13. DETECTABLE WARNINGS SHALL BE LOCATED SO THAT THE EDGE OF THE WARNING FIELD NEAREST TO THE ROADWAY OR STREET SURFACE IS 0" TO 3" FROM THE BACK OF CURB, AS SHOWN.
14. DOME ALIGNMENT, DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL.
15. COLOR REQUIREMENT, THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR SHALL VISUALLY CONTRAST WITH THE ADJOINING CURB RAMP, OR OTHER ADJACENT WALKWAY SURFACES WHERE THERE IS NO CURB RAMP, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT AS DEFINED IN THE AMERICANS WITH DISABILITIES ACCESSIBILITY GUIDELINES (ADAG).
16. PAVEMENT LINES FOR DETECTABLE WARNING UNITS ARE THE 2 FT. DIMENSION SHOWN IN THE DETAILS EXTENDING THE FULL WIDTH OF THE CURB RAMP.
17. WHEN STREET FURNITURE (LAMP POSTS, TRAFFIC SIGNAL POSTS, UTILITY POSTS, HYDRANTS, ETC.) INTERFERES WITH THE CONSTRUCTION OF A SIDE FLARE ADJACENT TO A NON-WALKING (GRADED) AREA, SAID SIDE FLARE SHALL BE REPLACED WITH A CONCRETE CURB, AS DIRECTED BY THE ENGINEER, PROVIDED THE INTERFERENCE CAN BE AVOIDED AND LEFT IN PLACE.

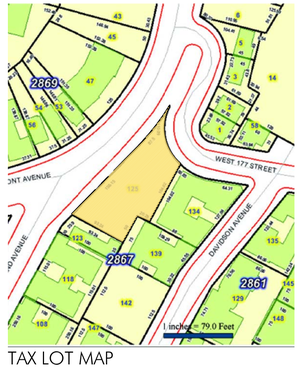




7 SIDEWALK PEDESTRIAN RAMPS

N.T.S.





TAX LOT MAP

Borough: **BRONX** Sheet 2 of 3

DOB Ref. No.: **220177350** BPP Ref. No.:

NEW YORK CITY
DEPARTMENT OF BUILDINGS
BUILDERS PAVEMENT PLAN

PROJECT DATA

Block(s) 2867 **Lot(s)** 125

Zoning R7-1 **Zoning Map No.** 3A/3B/3C/3D

Street Address 92 WEST TREMONT AVENUE BRONX, NEW YORK

Owner: PROMESA

Plan prepared by:

OCV ARCHITECTS
203 LAFAYETTE STREET
N.Y., N.Y. 10012
TEL 212 - 675 - 6470
FAX 212 - 675 - 6728

Seal

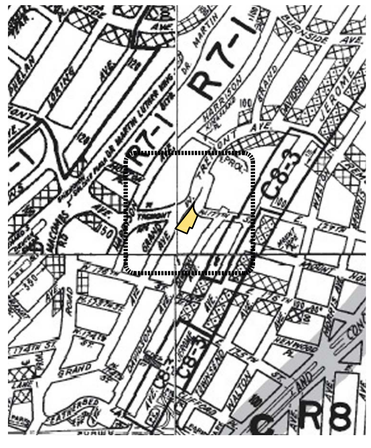
Signature

WAIVERS

DOB requirement waived. As per/Date

1)
2)
3)
4)

ZONING MAP
N.T.S.



PROFESSIONAL CERTIFICATION

(OPTIONAL)

I am submitting this plan under professional certification in compliance with all applicable requirements.

Signature Date

DOB APPROVAL NOT REQUIRED

DOB APPROVAL

Proposed and existing work shown here reviewed for compliance with all applicable rules and requirements by:

Plan Examiner

Approval for issuance of work permits granted by:

Chief/Builders Pavement Section Date

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
BUILDERS PAVING PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
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DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: key/am
SCALE:

DRAWING #: BPP-009.00

PAGE #: 220177350

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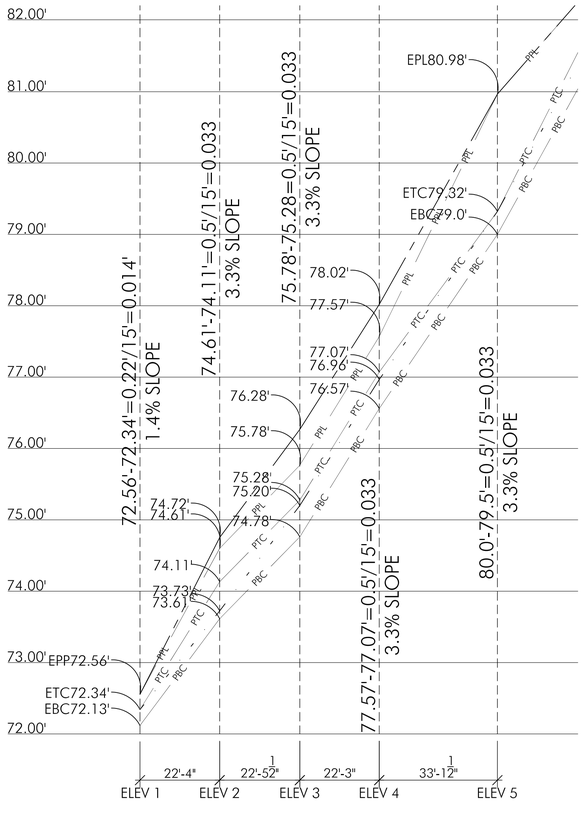
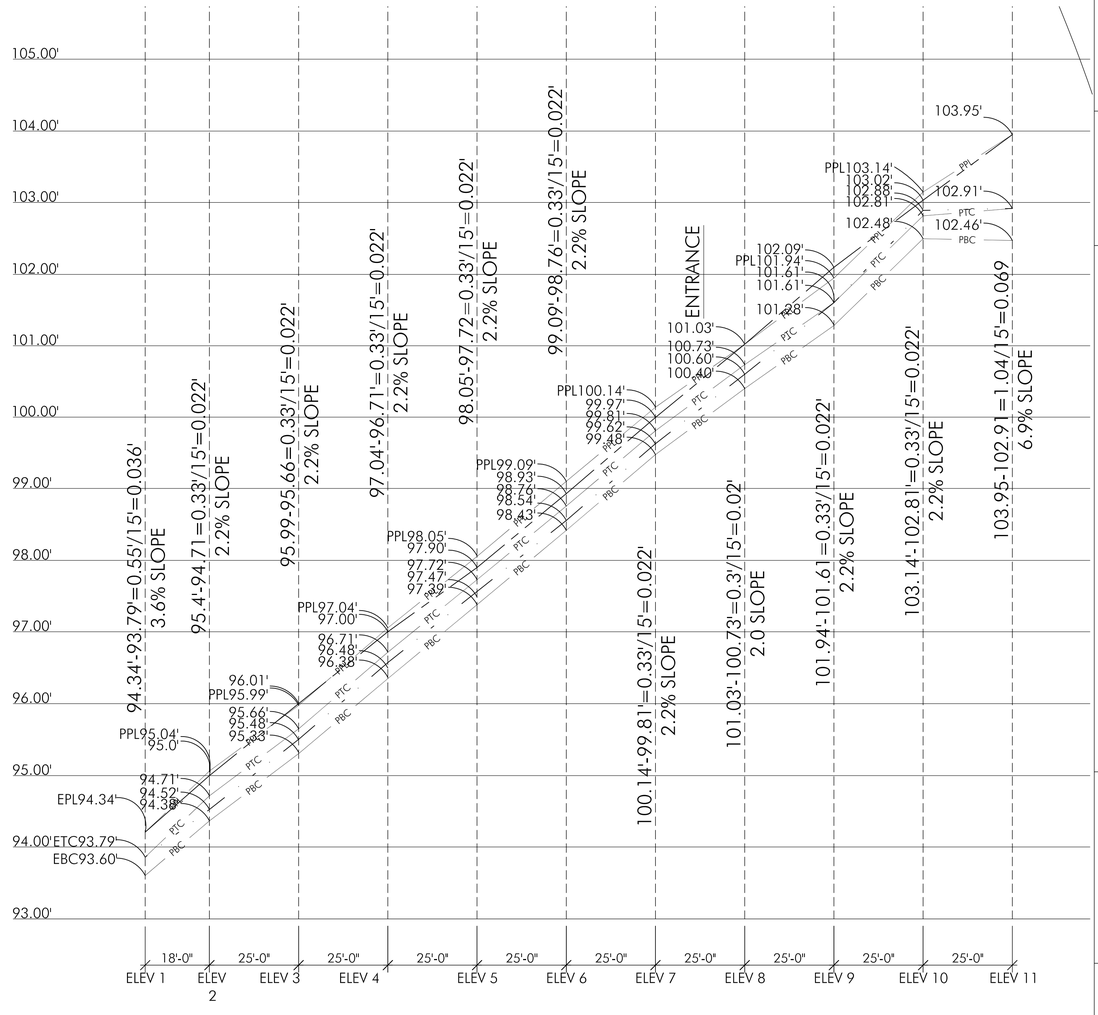


SIDEWALK GRADE STUDY
WEST 177th ST.
6" HIGH CURB



SIDEWALK GRADE STUDY
WEST TREMONT AVENUE
4" HIGH CURB

Borough: **BRONX** Sheet 3 of 3

DOB Ref. No.: **220177350**

BPP Ref. No.:

NEW YORK CITY
DEPARTMENT OF BUILDINGS
BUILDERS PAVEMENT PLAN

PROJECT DATA

Block(s) **2867** **Lot(s) 125**

Zoning **R7-1** **Zoning Map No.3A/3B/3C/3D**

Street Address **92 WEST TREMONT AVENUE BRONX, NEW YORK**

Owner: **PROMESA**

Plan prepared by:

OCV ARCHITECTS
203 LAFAYETTE STREET
N.Y., N.Y. 10012
TEL 212 - 675 - 6470
FAX 212 - 675 - 6728

Seal

Signature

WAIVERS

DOB requirement waived. As per/Date

1)
2)
3)
4)

ZONING MAP
N.T.S.

PROFESSIONAL CERTIFICATION
(OPTIONAL)

I am submitting this plan under professional certification in compliance with all applicable requirements.

Signature Date

DOB APPROVAL NOT REQUIRED

DOB APPROVAL
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Plan Examiner

Approval for issuance of work permits granted by:

Chief/Builders Pavement Section Date

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92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
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1	DOB APPROVAL	09/06/2012
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3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
BUILDERS PAVING PLAN

ARCHITECT:
OCV
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ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE: 05/18/2012

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SCALE: N.T.S

DRAWING #: BPP-010.00

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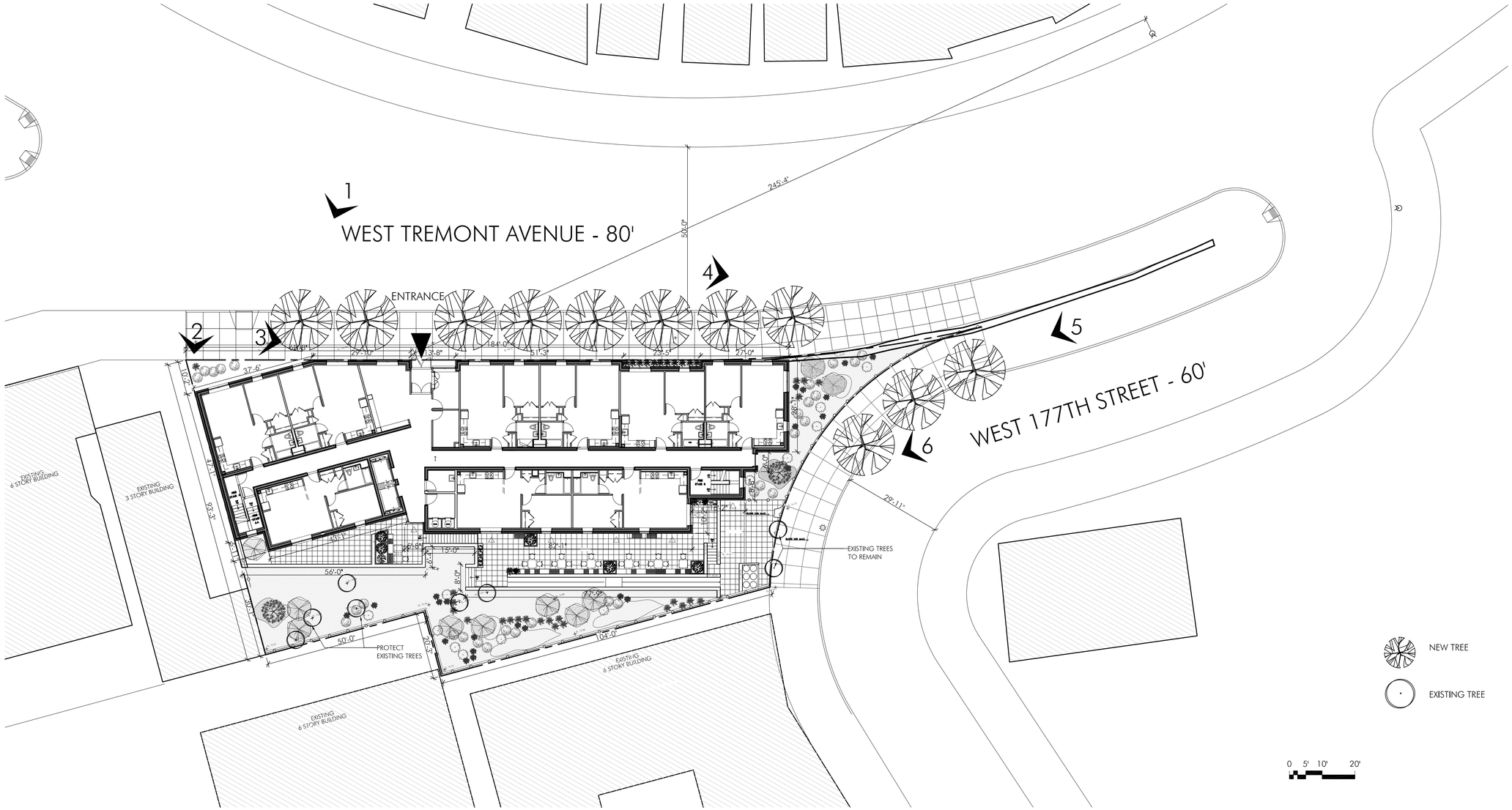

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92 WEST TREMONT AVE.
BRONX, NY 10458

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DRAWING TITLE:
SITE PLAN

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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

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SCALE: 1/16"=1'-0"

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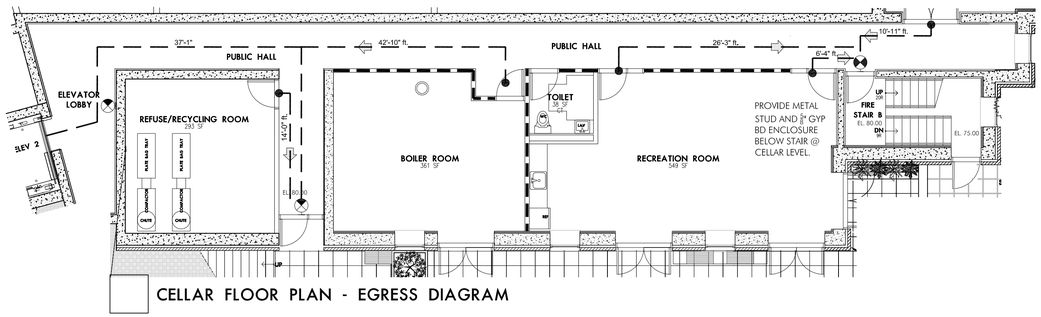
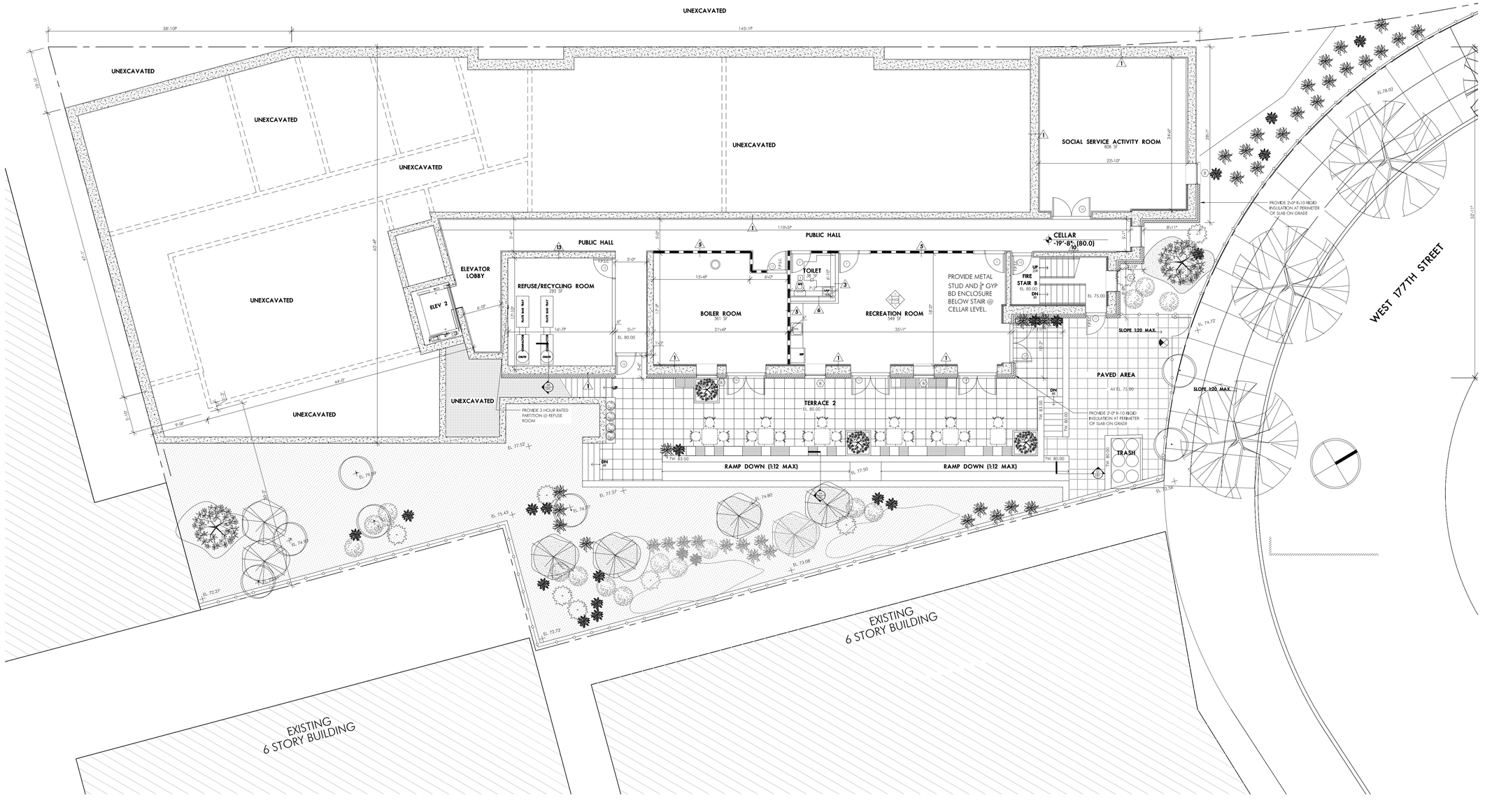


CELLAR FLOOR PLAN - EGRESS DIAGRAM

MEANS OF EGRESS

EGRESS PATH

EXIT SIGN



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92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

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5	BASEMENT REVISION	01/28/2014

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CELLAR PLAN

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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
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DATE: 05/18/2012

JOB #: 09J06

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SCALE: 1/8" = 1'-0"

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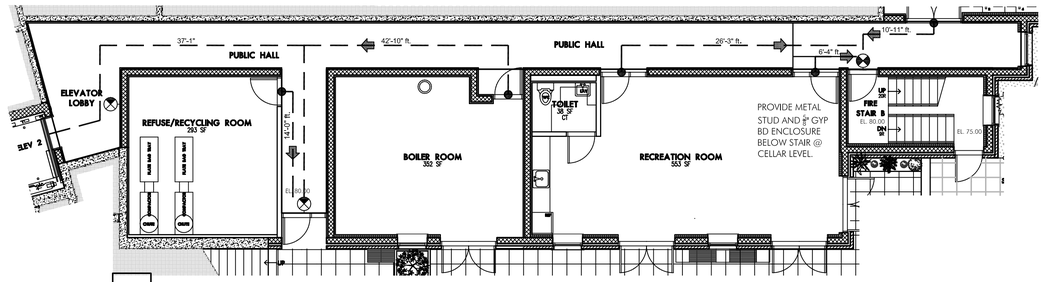
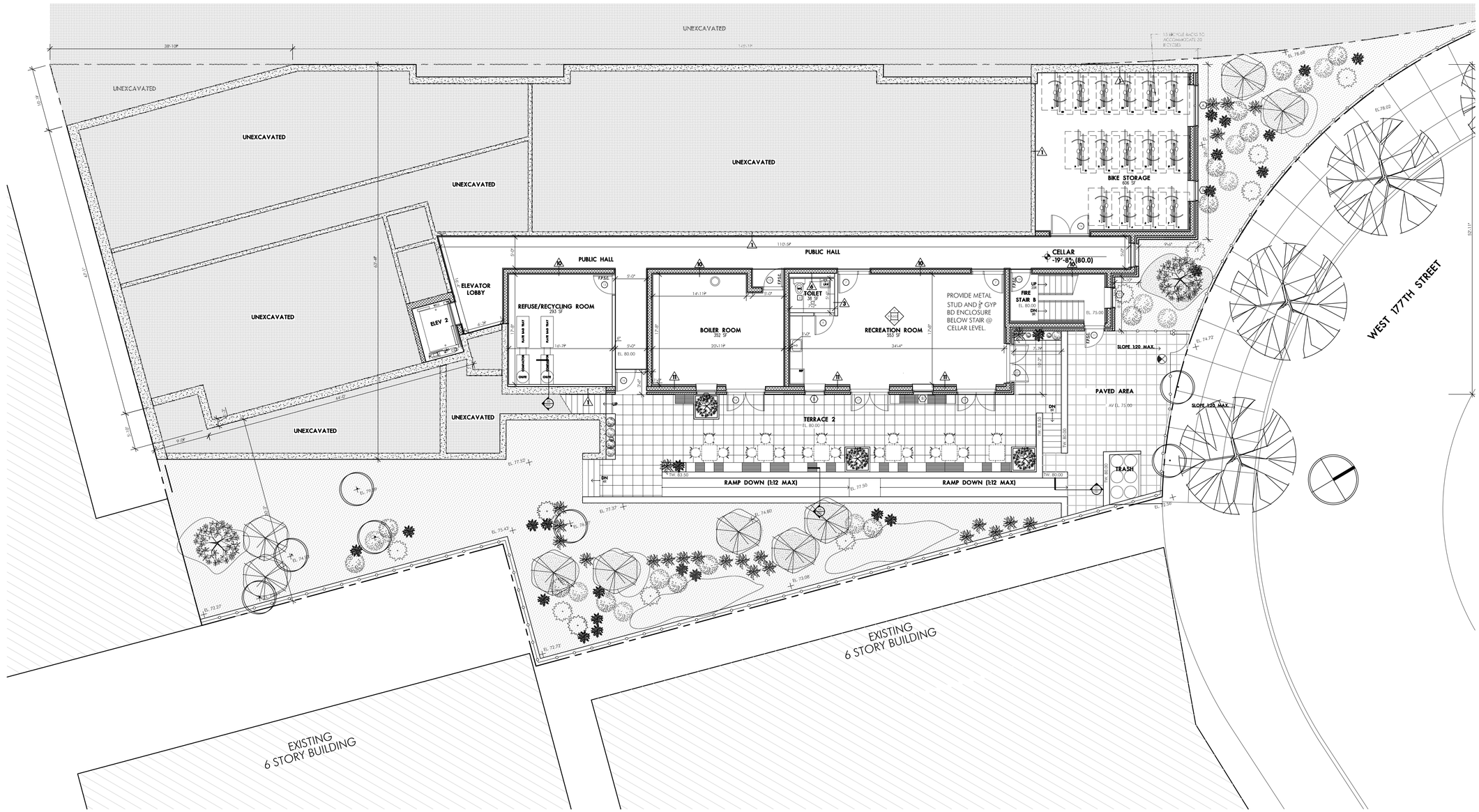


CELLAR FLOOR PLAN - EGRESS DIAGRAM

MEANS OF EGRESS

EGRESS PATH

EXIT SIGN



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92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

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CELLAR PLAN

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NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

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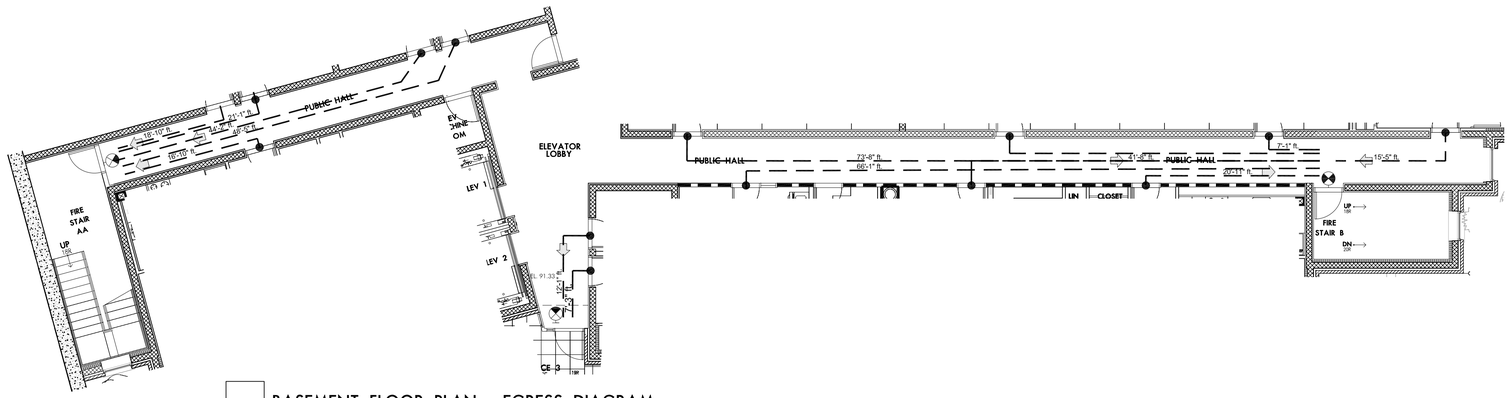
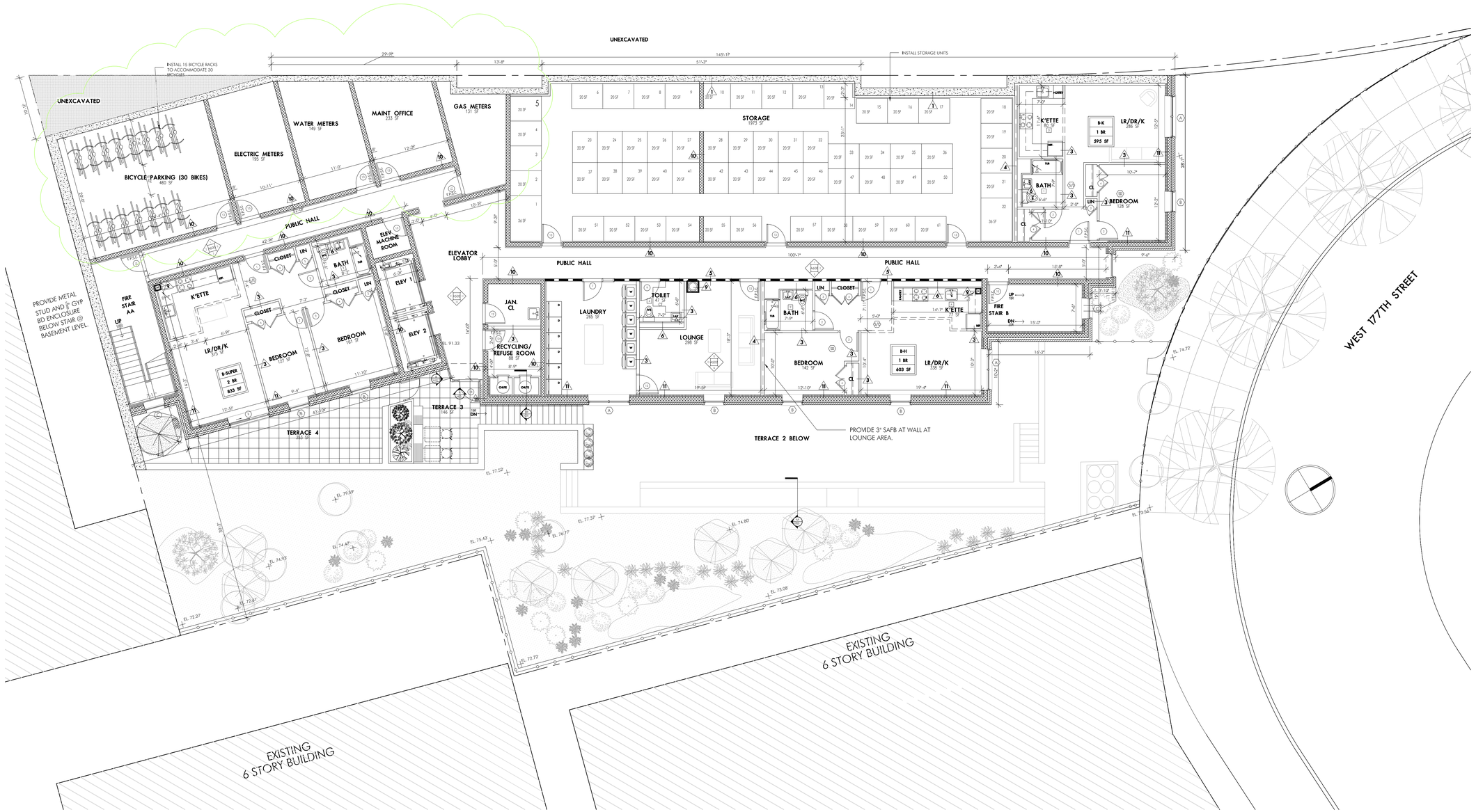


BASEMENT FLOOR PLAN - EGRESS DIAGRAM

MEANS OF EGRESS

- EGRESS PATH
- EXIT SIGN



PROMESA

PROJECT TITLE:

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92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

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45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

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3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013
5	BASEMENT REVISION	01/28/2014

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BASEMENT PLAN

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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
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JOB #: 09J06

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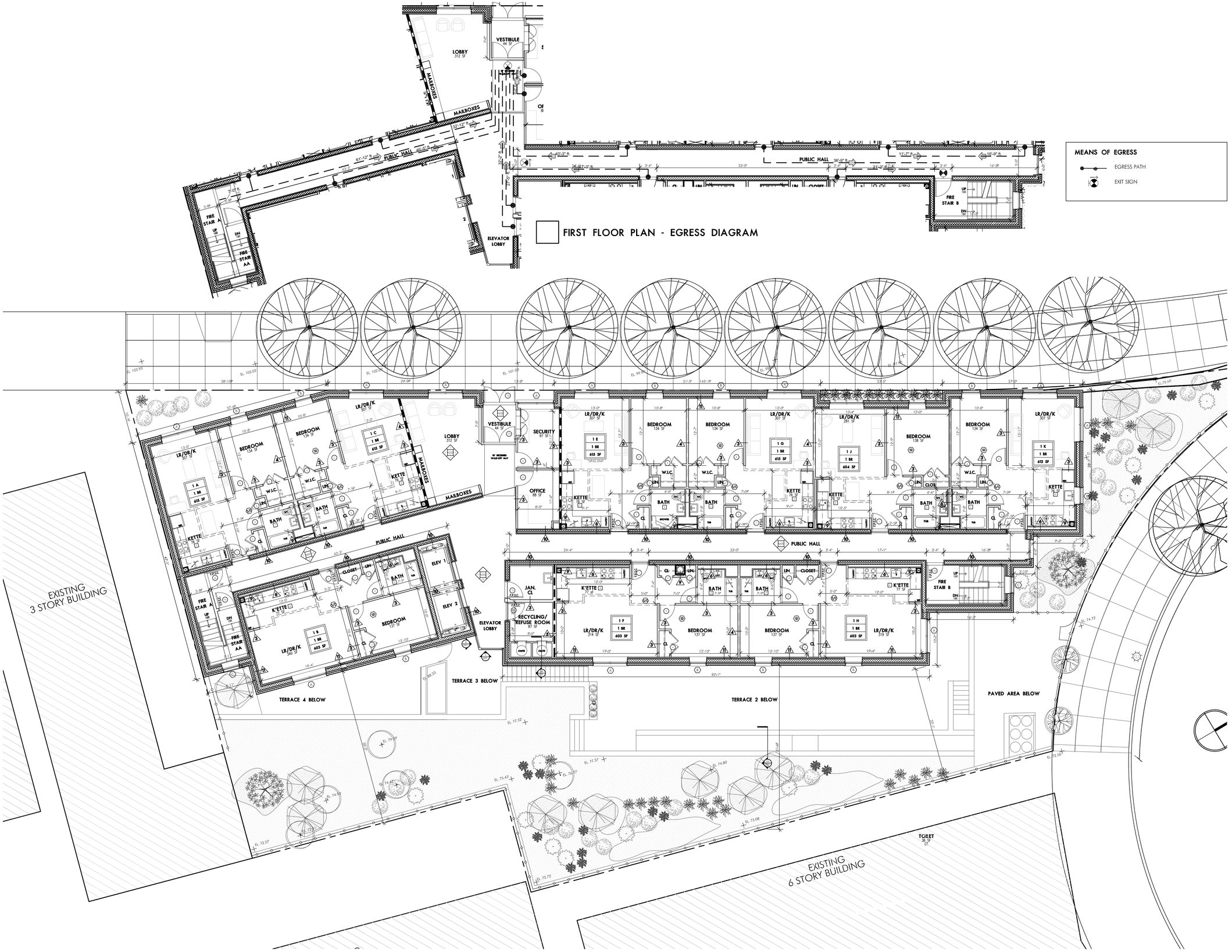

PROMESA

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92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
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45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

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1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

FIRST FLOOR PLAN

ARCHITECT:

OCV
OAKLANDER COGGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE:
05/18/2012

JOB #:
09J06

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key/am

SCALE:
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PAGE #:

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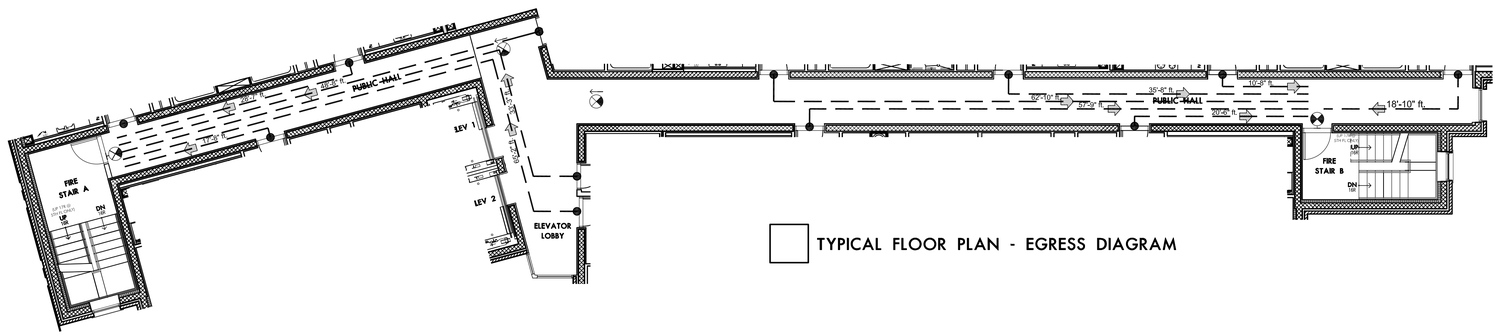
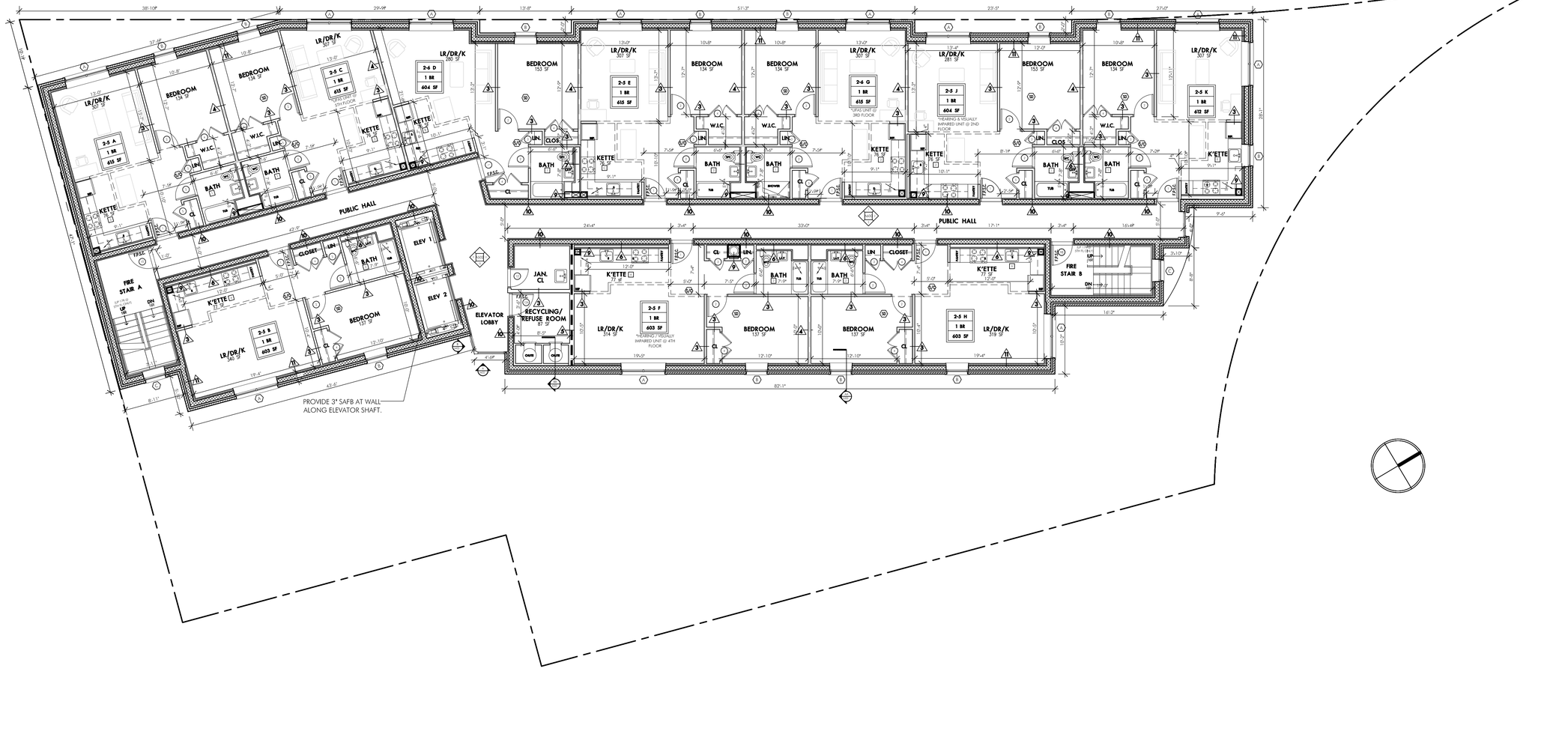


TYPICAL FLOOR PLAN - EGRESS DIAGRAM

MEANS OF EGRESS

- EGRESS PATH
- EXIT SIGN

NOTE: PROVIDE ROLL IN SHOWER AT THE FOLLOWING APARTMENT BATHROOMS: 2E, 3G, 4E & 5C.



PROMESA

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92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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DRAWING TITLE:
TYPICAL FLOOR PLAN (2-5)

ARCHITECT:
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OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/8" = 1'-0"

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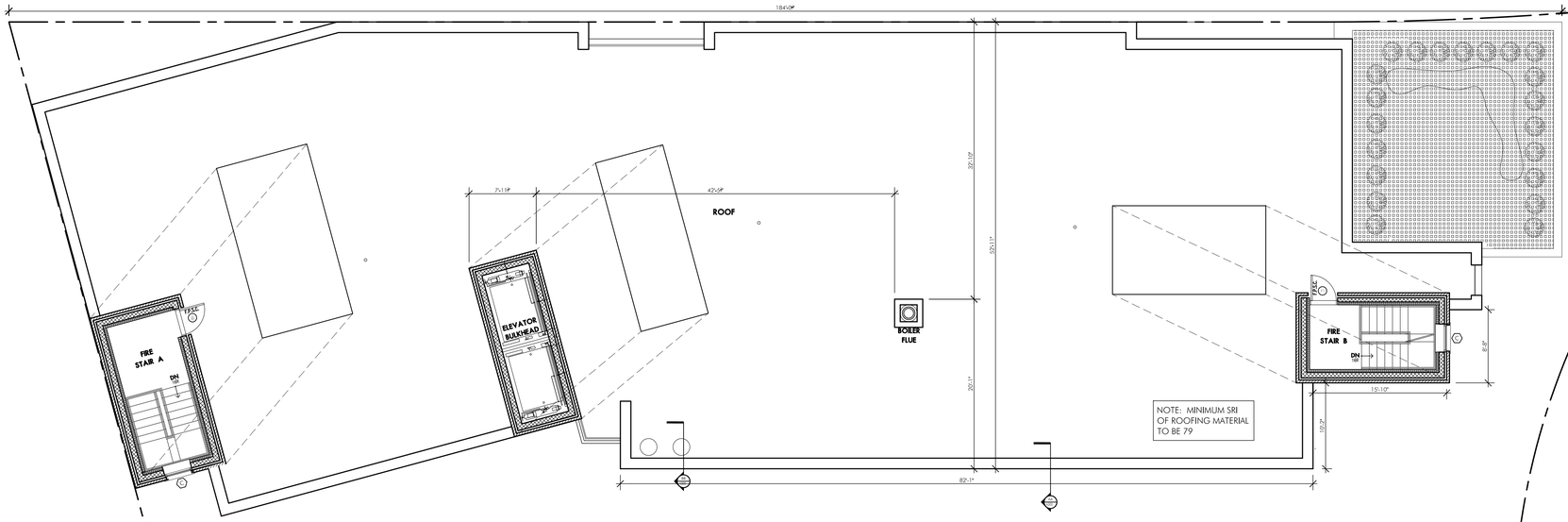
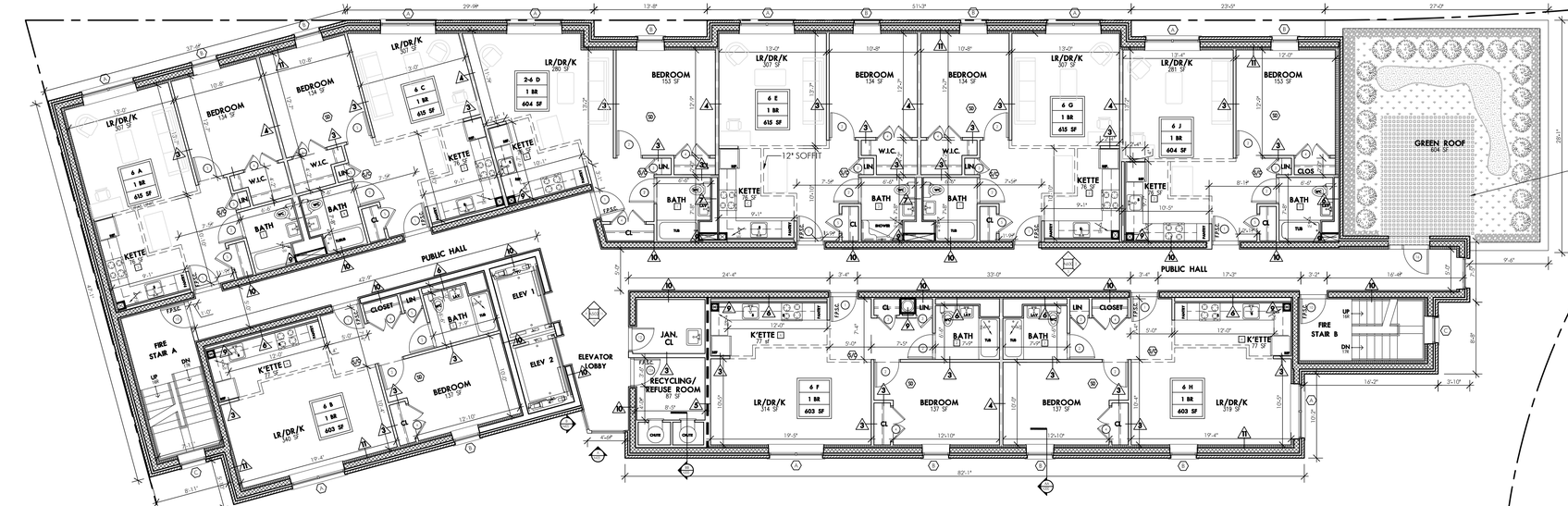
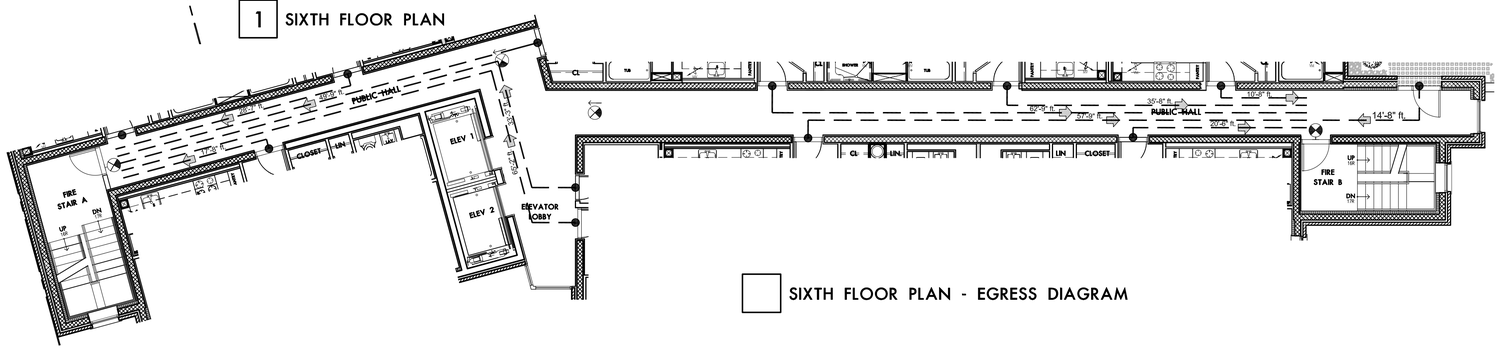


2 ROOF PLAN



1 SIXTH FLOOR PLAN



SIXTH FLOOR PLAN - EGRESS DIAGRAM

MEANS OF EGRESS

- EGRESS PATH
- EXIT SIGN

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
SIXTH FLOOR PLAN
ROOF PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE: 05/18/2012

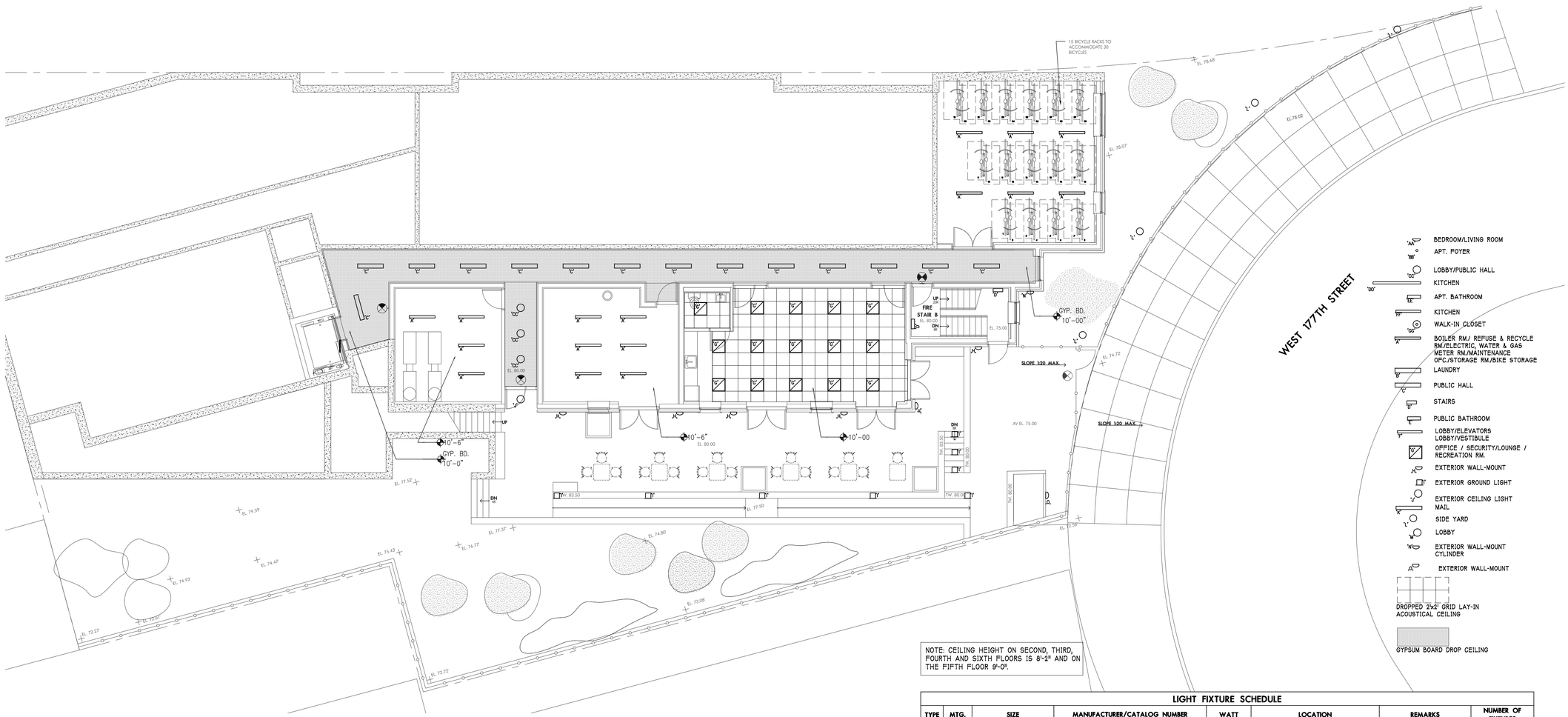
JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/8" = 1'-0"

DRAWING #: A-105.00

PAGE #: 220177350



NOTE: CEILING HEIGHT ON SECOND, THIRD, FOURTH AND SIXTH FLOORS IS 8'-2" AND ON THE FIFTH FLOOR 9'-0".

LIGHT FIXTURE SCHEDULE

TYPE	MTG.	SIZE	MANUFACTURER/CATALOG NUMBER	WATT	LOCATION	REMARKS	NUMBER OF FIXTURES
'A,A'	WALL	13-7/8" W X 6-7/8" H X 3-1/2" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11857[2]3WCOMPACT[TT]120	13W	BEDROOM/LIVING ROOM		
'B,B'	CEILING	7-3/8" DIA. X5"H	SEAGULL LIGHTING/DEEP CONE SATIN NICKEL/11061AT-861-69	13W	APT. FOYER	COMPACT FLUORESCENT BULB 97047-	
'CC'	CEILING	14" DIA	SEAGULL LIGHTING/6024-15 SINGLE LIGHT WHITE PENDANT/	8W	PUIBLIC HALL/LOBBY		7
'DD'	CEILING	88.25" L X 3" H X 3-1/2" D	CORONET INC./LSR SERIES/LSR-88*1-54-NT-120	54W	KITCHEN		
'EE'	WALL	27" L X 5" W X 4" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11890-RE-120	17W	APT. BATHROOM.		
'FF'	CEILING	46.25" L X 3" W X 3-1/2" D	CORONET INC./LSR SERIES/LSR-44*1-28-NT-120	28W	KITCHEN		
'GG'	CEILING	4" H X 5" W X 4 D	TCP ECOVATIONS/ GU24 CLOSET LIGHT/SPRING LAMPS/CL13	13W	WALK-IN CLOSET		
'A'	CEILING	4' L X 5-5/16" W X 3-1/2" H	CORONET INC / WELDED STRIP SERIES / WS-2-33-120-MS	32W T8	BOILER RM/ REFUSE & RECYCLE RM./ELECTRIC, WATER & GAS METER RM./MAINTENANCE OFC./JANITOR CLOSET		61
'B'	WALL	51-1/2" L X 11-1/4" W X 5-1/2" H	LIGHT CONCEPTS/ LITHONIA LIGHTING/ 10640-RE-17-120	17W T8	LAUNDRY		3
'C'	CEILING	48" L X 7-3/4" W X 2" H	CORONET INC./ECO SERIES/ECO-4FT-1-28W-PS6*-120-EMI-OP	28W	PUBLIC HALL		139
'D'	WALL	24" L X 8" H X 3.89" D	LAMAR LIGHTING/VO SERIES VOYAGER/VO-2-17-E8-120-	17W	STAIRS		34
'E'	CEILING	72" L X 4-1/2" W X 1-3/4" H	LITECONTROL/COVE-15 CC-AL-L15/ CC-AL-L15-06-MO-30K--120	58W	ELEVATORS LOBBY/LOBBY		33
'G'	CEILING	24" X 24"	CORONET INC./TSSW SERIES/TSSW-22-2-14W-T-120	14W T5	OFFICE/SECURITY OFC/LOUNGE/RECREATION RM.		12
'H'	WALL	18 L X 8" D X 7-1/4" H	LITHONIA LIGHTING/DECORATIVE WALL-MOUNTED LIGHT./WSR-MDU-120-DNAT	26W	EXTERIOR WALLS/GREEN ROOF		13
'I'	WALL/FLOOR	9-3/8" L X 4-1/2" D X 3" H	PRESCOLITE/LED STEP LIGHTS/SLLED2-35-BZ-SLD12CMB	10W	EXTERIOR/GREEN ROOF		21
'J'	CEILING	13-5/8" DIA X 5-3/8" H	PROGRESS LIGHTING/COMPACT FLUORESCENT "HOOP/ P5786-20EBWB-1-26WCFL	26W	EXTERIOR		4
'K'	WALL	72" L	DELRAY LIGHTING/ST9/11/ ST96211.11-6"-120 ST9428.411-4"-120	2-21 & 1-28	MAIL WALL		2
'L'	FLOOR	10" DIA X 7" H 2.6" DIA X 17" H	RAB LIGHTING/DOME TOP LAWN LIGHT / LLD36/PS13 RAB LIGHTING/17" MIGHTYPOST/MP17B	13W CFL	SIDE YARD	INSTALL ON MOUNTING STEM N@ 1'-0" ABOVE GRADE, BLACK FINISH	4
'M'	CEILING	5" DIA X 6-5/8" H	DELRAY LIGHTING/CYLINDRO II/ 6705-CW-S-1	60W	LOBBY		1
'N'	WALL	6" DIA x 12" H X 8-7/8" D	PRESCOLITE/6PDIRECT LED WALL MOUNT CYLINDER/LDLED30-W-35K-BZ	75 W	SIDEYARD WALL	UL-CUL WET LOCATION WITH TOP COVER	8
'O'	WALL	18"L X 12.5" D X 8" D	LITHONIA/WALL MOUNTED LIGHT/MRW/MRW-260TT-M-120-DNAT	26	ROOF		4

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
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MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
CELLAR FLOOR
REFLECTED CEILING PLAN

ARCHITECT:
OCV
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ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

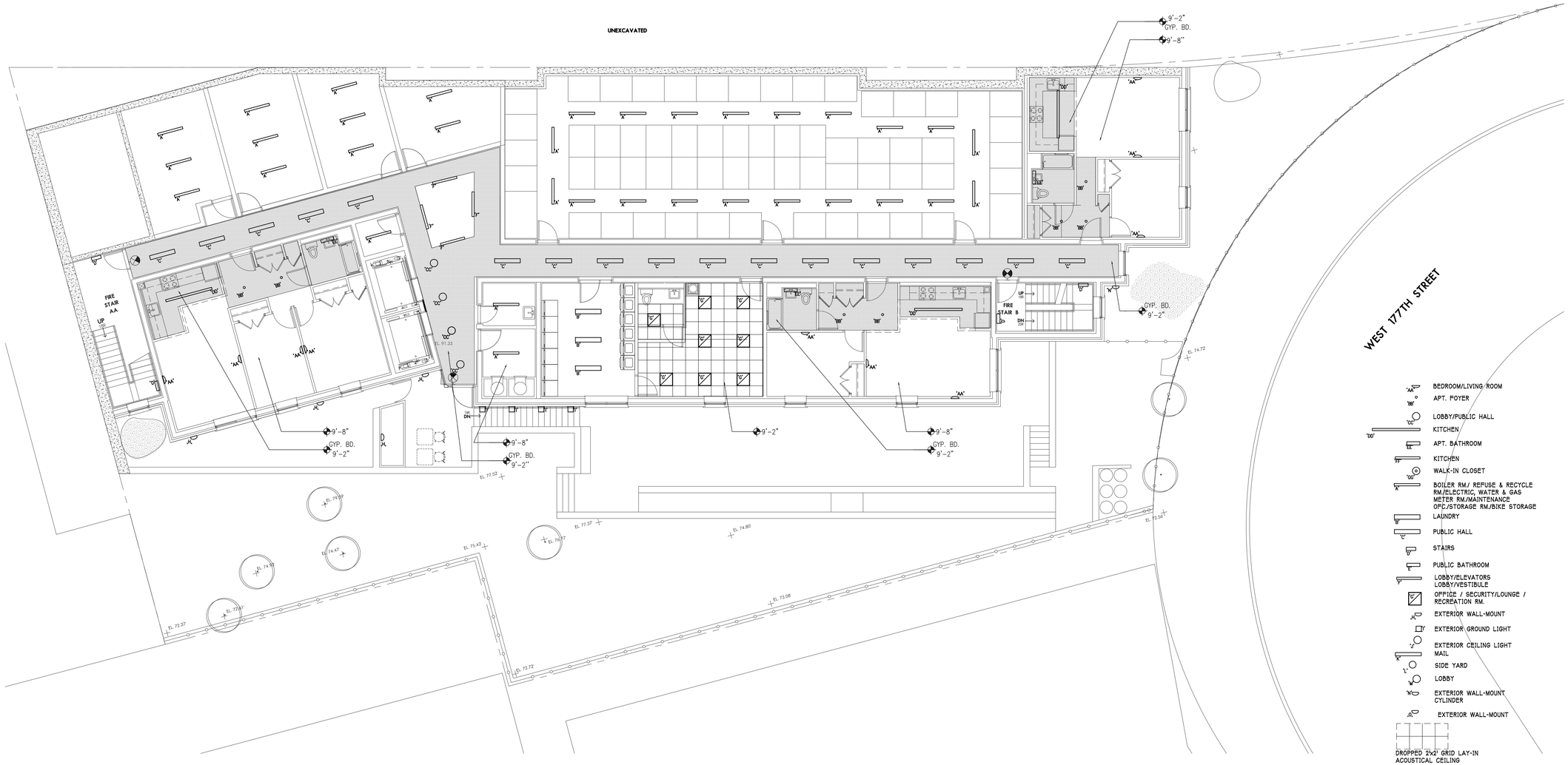
JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/8"=1'-0"

DRAWING #: A-106.00

PAGE #: 220177350



BEDROOM/LIVING ROOM
APT. FOYER
LOBBY/PUBLIC HALL
KITCHEN
APT. BATHROOM
KITCHEN
WALK-IN CLOSET
BOILER RM/ REFUSE & RECYCLE RM/ELECTRIC, WATER & GAS METER RM/MAINTENANCE OPC./STORAGE RM/BIKE STORAGE
LAUNDRY
PUBLIC HALL
STAIRS
PUBLIC BATHROOM
LOBBY/ELEVATORS LOBBY/VESTIBULE
OFFICE / SECURITY/LOUNGE / RECREATION RM.
EXTERIOR WALL-MOUNT
EXTERIOR GROUND LIGHT
EXTERIOR CEILING LIGHT
MAIL
SIDE YARD
LOBBY
EXTERIOR WALL-MOUNT CYLINDER
EXTERIOR WALL-MOUNT
DROPPED 2'x2' GRID LAY-IN ACOUSTICAL CEILING
GYPSUM BOARD DROP CEILING

NOTE: CEILING HEIGHT ON SECOND, THIRD, FOURTH AND SIXTH FLOORS IS 8'-2" AND ON THE FIFTH FLOOR 9'-0".

LIGHT FIXTURE SCHEDULE

TYPE	MTG.	SIZE	MANUFACTURER/CATALOG NUMBER	WATT	LOCATION	REMARKS	NUMBER OF FIXTURES
'AA'	WALL	13-7/8" W X 6-7/8" H X 3-1/2" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11857121I3WCOMPACTITT120	13W	BEDROOM/LIVING ROOM		
'BB'	CEILING	7-3/8" DIA. X5"H	SEAGULL LIGHTING/DEEP CONE SATIN NICKEL/7106DAT-861-6"	13W	APT. FOYER	COMPACT FLUORESCENT BULB 97047-	
'CC'	CEILING	14" DIA	SEAGULL LIGHTING/6024-15 SINGLE LIGHT WHITE PENDANT/	8W	PUIBLIC HALL/LOBBY		7
'DD'	CEILING	88.25" L X 3" H X 3-1/2" D	CORONET INC./LSR SERIES/LSR-88"-1-54-NT-120	54W	KITCHEN		
'EE'	WALL	27" L X 5" W X 4" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11890-RE-120	17W	APT. BATHROOM.		
'FF'	CEILING	46.25" L X 3" W X 3-1/2" D	CORONET INC./LSR SERIES/LSR-44"-1-28-NT-120	28W	KITCHEN		
'GG'	CEILING	4" H X 5" W X 4 D	TCP ECOVATIONS/ GU24 CLOSET LIGHT/SPRING LAMPS/CL13	13W	WALK-IN CLOSET		
'A'	CEILING	4' L X 5-5/16" W X 3-1/2" H	CORONET INC / WELDED STRIP SERIES / WS-2-32-120-MS	32W T8	BOILER RM/ REFUSE & RECYCLE RM/ELECTRIC, WATER & GAS METER RM./MAINTENANCE OPC./JANITOR CLOSET		61
'B'	WALL	51-1/2" L X 11-1/4" W X 5-1/2" H	LIGHT CONCEPTS/ LITHONIA LIGHTING/ 10640-RE-17-120	17W T8	LAUNDRY		3
'C'	CEILING	48" L X 7-3/4" W X 2" H	CORONET INC./ECO SERIES/ECO-4FT-1-28W-PS6"-120-EMI-OP	28W	PUBLIC HALL		139
'D'	WALL	24" L X 8" H X 3.89" D	LAMAR LIGHTING/VO SERIES VOYAGER/VO-2-17-E8-120-	17W	STAIRS		34
'E'	CEILING	72" L X 4-1/2" W X 1-3/4" H	LITECONTROL/COVE-15 CC-AL-L15/ CC-AL-L15-06-M0-30K--120	59W	ELEVATORS LOBBY/LOBBY		33
'G'	CEILING	24" X 24"	CORONET INC./TSSW SERIES/TSSW-22-2-14W-T-120	14W T5	OFFICE/SECURITY OPC/LOUNGE/RECREATION RM.		12
'H'	WALL	18 L X 8" D X 7-1/4" H	LITHONIA LIGHTING/DECORATIVE WALL-MOUNTED LIGHT./WSR-MDU-120-DNAT	26W	EXTERIOR WALLS/GREEN ROOF		13
'I'	WALL/FLOOR	9-3/8" L X 4-1/2" D X 3" H	PRESCOLITE/LED STEP LIGHTS/SLLED2-35-BZ-SLD12CMB	10W	EXTERIOR/GREEN ROOF		21
'J'	CEILING	13-5/8" DIA X 5-3/8" H	PROGRESS LIGHTING/COMPACT FLUORESCENT 'HOOP/ P5786-20EBWB-1-26WCFL	26W	EXTERIOR		4
'K'	WALL	72" L	DELRAY LIGHTING/ST8/11/ ST8622L311-6'-120 ST8428.411-4-120	2-21 & 1-28	MAIL WALL		2
'L'	FLOOR	10" DIA X 7" H 2.6" DIA X 17" H	RAB LIGHTING/DOME TOP LAWN LIGHT / LLD36/PS13 RAB LIGHTING/17" MIGHTYPOST/MP17B	13W CFL	SIDE YARD	INSTALL ON MOUNTING STEM N@ 1'-0" ABOVE GRADE, BLACK FINISH	4
'M'	CEILING	5" DIA X 6-5/8" H	DELRAY LIGHTING/CYLINDRO II/ 6705-CW-S-1	60W	LOBBY		1
'N'	WALL	6" DIA x 12" H X 8-7/8" D	PRESCOLITE/6PDIRECT LED WALL MOUNT CYLINDER/LDLED30-W-35K-SZ	75 W	SIDEYARD WALL	UL-CUL WET LOCATION WITH TOP COVER	9
'O'	WALL	18"L X 12.5" D X 9" D	LITHONIA/WALL MOUNTED LIGHT/MRW/MRW-26DTT-M-120-DNAT	26	ROOF		4

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
BASEMENT FLOOR REFLECTED CEILING PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO P.C.
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T: 212 675 6470 F: 212 675 6728

DATE: 05/18/2012

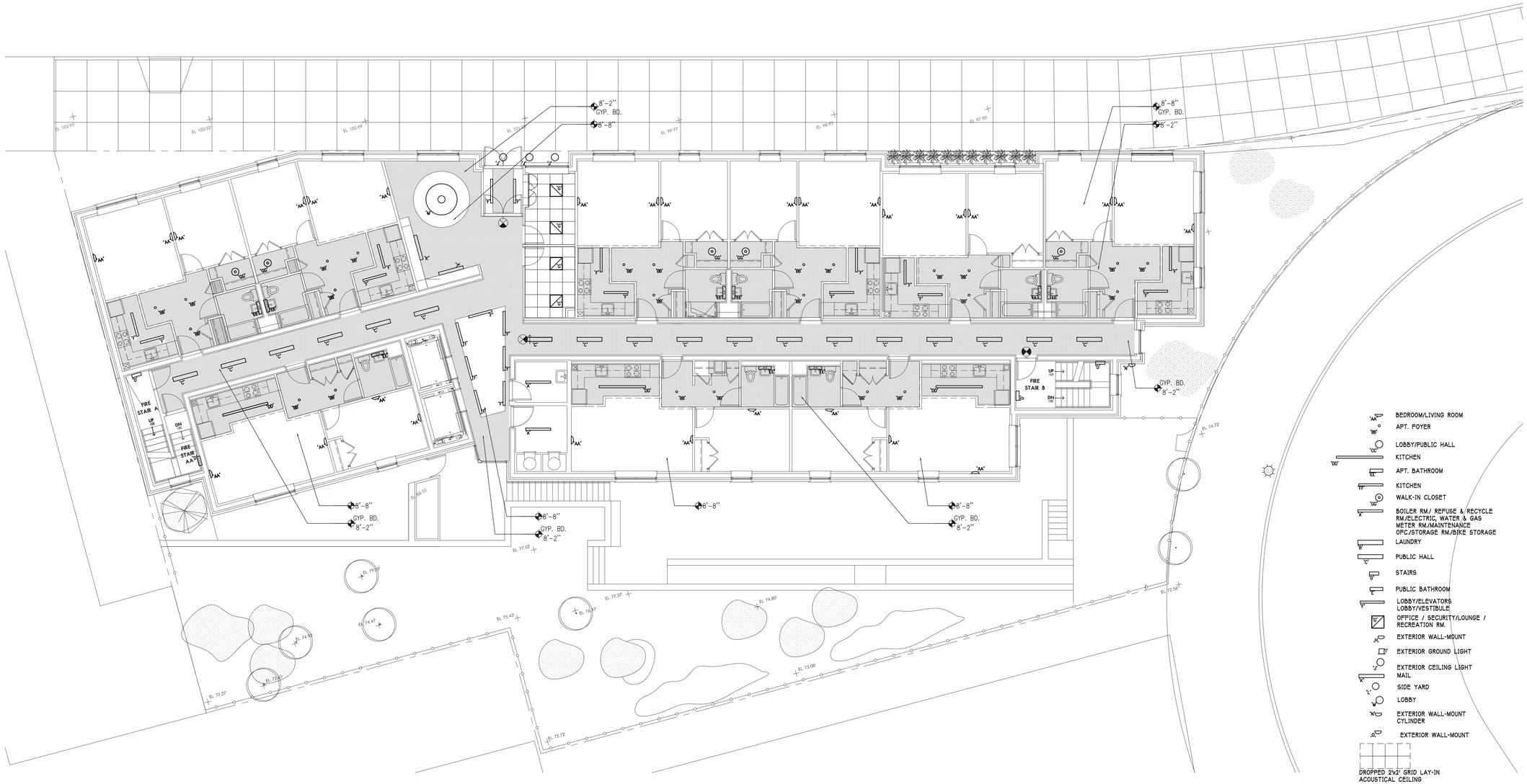
JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/8"=1'-0"

DRAWING #: A-107.00

PAGE #: 220177350



BEDROOM/LIVING ROOM
APT. FOYER
LOBBY/PUBLIC HALL
KITCHEN
APT. BATHROOM
KITCHEN
WALK-IN CLOSET
BOILER RM/ REFUSE & RECYCLE RM/ELECTRIC, WATER & GAS METER RM/MAINTENANCE OFC./STORAGE RM/BIKE STORAGE
LAUNDRY
PUBLIC HALL
STAIRS
PUBLIC BATHROOM
LOBBY/ELEVATORS LOBBY/VESTIBULE
OFFICE / SECURITY/LOUNGE / RECREATION RM.
EXTERIOR WALL-MOUNT
EXTERIOR GROUND LIGHT
EXTERIOR CEILING LIGHT
MAIL
SIDE YARD
LOBBY
EXTERIOR WALL-MOUNT CYLINDER
EXTERIOR WALL-MOUNT

DROPPED 2'x2' GRID LAY-IN ACOUSTICAL CEILING

GYPSUM BOARD DROP CEILING

NOTE: CEILING HEIGHT ON SECOND, THIRD, FOURTH AND SIXTH FLOORS IS 8'-2" AND ON THE FIFTH FLOOR 9'-0".

LIGHT FIXTURE SCHEDULE

TYPE	MTG.	SIZE	MANUFACTURER/CATALOG NUMBER	WATT	LOCATION	REMARKS	NUMBER OF FIXTURES
'AA'	WALL	13-7/8" W X 6-7/8" H X 3-1/2" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11957121213WCOMPACTTT1120	13W	BEDROOM/LIVING ROOM		
'BB'	CEILING	7-3/8" DIA. X5"H	SEAGULL LIGHTING/DEEP CONE SATIN NICKEL/11904AT-865-6"	13W	APT. FOYER	COMPACT FLUORESCENT BULB 97047-	
'CC'	CEILING	14" DIA	SEAGULL LIGHTING/6024-15 SINGLE LIGHT WHITE PENDANT/	8W	PUBLIC HALL/LOBBY		7
'DD'	CEILING	88.25" L X 3" H X 3-1/2" D	CORONET INC./LSR SERIES/LSR-88"-1-54-NT-120	54W	KITCHEN		
'EE'	WALL	27" L X 5" W X 4" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11890-RE-120	17W	APT. BATHROOM.		
'FF'	CEILING	46.25" L X 3" W X 3-1/2" D	CORONET INC./LSR SERIES/LSR-44"-1-28-NT-120	28W	KITCHEN		
'GG'	CEILING	4" H X 5" W X 4 D	TCP ECOVATIONS/ GU24 CLOSET LIGHT/SPRING LAMPS/CL13	13W	WALK-IN CLOSET		
'A'	CEILING	4' L X 5-5/16" W X 3-1/2" H	CORONET INC / WELDED STRIP SERIES / WS-2-32-120-MS	32W T8	BOILER RM/ REFUSE & RECYCLE RM/ELECTRIC, WATER & GAS METER RM./MAINTENANCE OFC./JANITOR CLOSET		61
'B'	WALL	51-1/2" L X 11-1/4" W X 5-1/2" H	LIGHT CONCEPTS/ LITHONIA LIGHTING/ 10640-RE-17-120	17W T8	LAUNDRY		3
'C'	CEILING	48" L X 7-3/4" W X 2" H	CORONET INC./ECO SERIES/ECO-4FT-1-28W-PS6"-120-EMI-OP	28W	PUBLIC HALL		139
'D'	WALL	24" L X 8" H X 3.88" D	LAMAR LIGHTING/VO SERIES VOYAGER/VO-2-17-E8-120-	17W	STAIRS		34
'E'	CEILING	72" L X 4-1/2" W X 1-3/4" H	LITECONTROL/COVE-15 CC-AL-L15/ CC-AL-L15-06-MO-30K--120	59W	ELEVATORS LOBBY/LOBBY		33
'G'	CEILING	24" X 24"	CORONET INC./TSSW SERIES/TSSW-22-2-14W-T-120	14W T5	OFFICE/SECURITY OFC/LOUNGE/RECREATION RM.		12
'H'	WALL	18 L X 8" D X 7-1/4" H	LITHONIA LIGHTING/DECORATIVE WALL-MOUNTED LIGHT./WSR-MDU-120-DNAT	26W	EXTERIOR WALLS/GREEN ROOF		13
'I'	WALL/FLOOR	8-3/8" L X 4-1/2" D X 3" H	PRESCOLITE/LED STEP LIGHTS/SLLED3-35-BZ-SLD12CMB	10W	EXTERIOR/GREEN ROOF		21
'J'	CEILING	13-5/8" DIA X 5-3/8" H	PROGRESS LIGHTING/COMPACT FLUORESCENT 'HOOP/ P5786-20EBWB-1-26WCFL	26W	EXTERIOR		4
'K'	WALL	72" L	DELRAY LIGHTING/ST8/1U ST96221311-6'-120 ST94128.411-4-120	2-21 & 1-28	MAIL WALL		2
'L'	FLOOR	10" DIA X 7" H 2.6" DIA X 17" H	RAB LIGHTING/DOME TOP LAWN LIGHT / LLD36B/PS13 RAB LIGHTING/17" MIGHTYPOST/MP17B	13W CFL	SIDE YARD	INSTALL ON MOUNTING STEM N@ 1'-0" ABOVE GRADE, BLACK FINISH	4
'M'	CEILING	5" DIA X 6-5/8" H	DELRAY LIGHTING/CYLINDRO II/ 6705-CW-S-1	60W	LOBBY		1
'N'	WALL	6" DIA x 12" H X 8-7/8" D	PRESCOLITE/4PDIRECT LED WALL MOUNT CYLINDER/LDLED20-W-35K-BZ	75 W	SIDEYARD WALL	UL-CSL WET LOCATION WITH TOP COVER	8
'O'	WALL	18"L X 12.5" D X 8" D	LITHONIA/WALL MOUNTED LIGHT/MRW/MRW-26DTT-M-120-DNAT	26	ROOF		4

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
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3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
FIRST FLOOR
REFLECTED CEILING PLAN

ARCHITECT:
OCV
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203 LAFAYETTE STREET 5TH FL
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DATE: 05/18/2012

JOB #: 09J06

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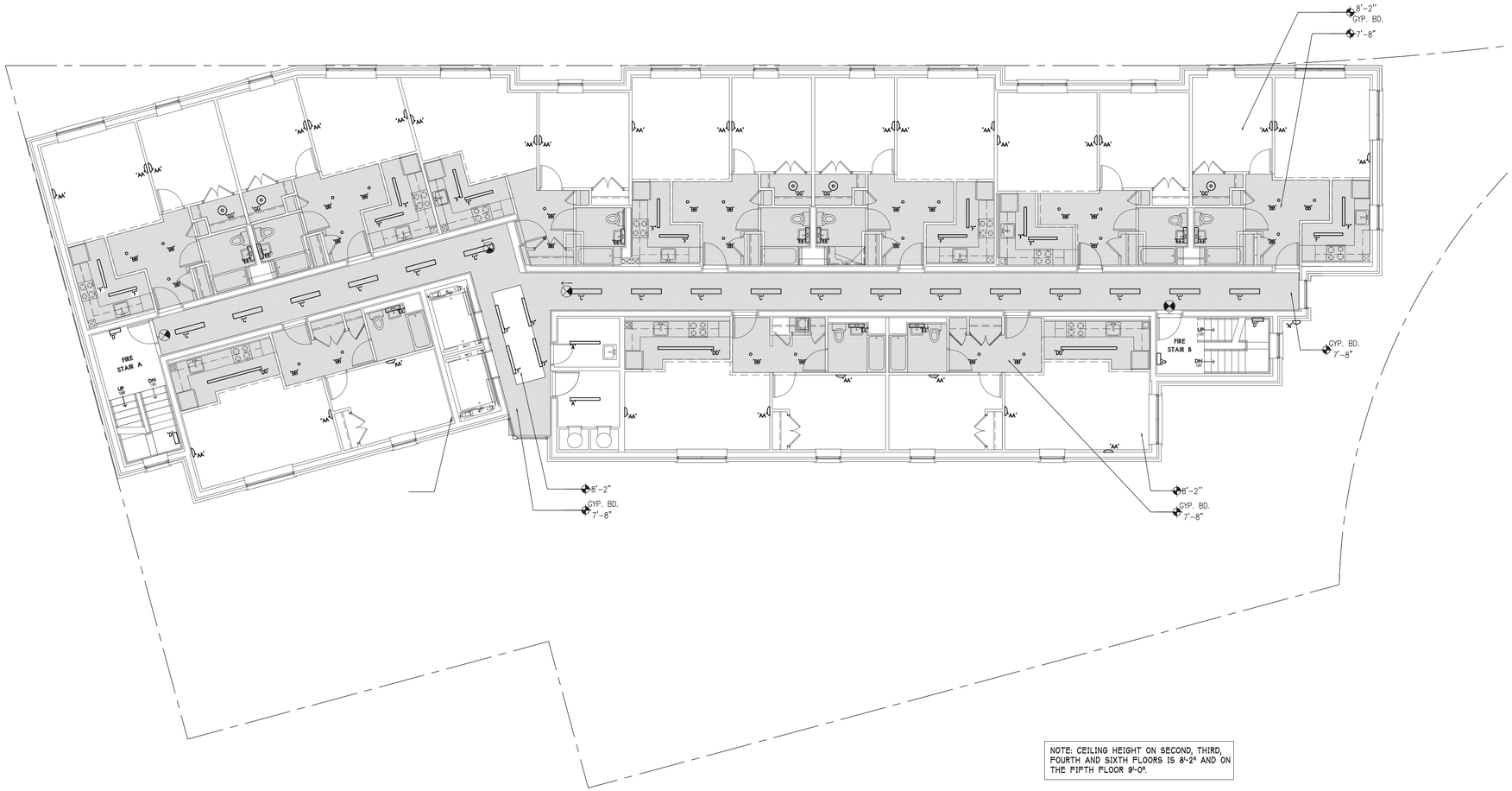


NOTE: CEILING HEIGHT ON SECOND, THIRD, FOURTH AND SIXTH FLOORS IS 8'-2" AND ON THE FIFTH FLOOR 9'-0".

- BEDROOM/LIVING ROOM
- APT. FOYER
- LOBBY/PUBLIC HALL
- KITCHEN
- APT. BATHROOM
- KITCHEN
- WALK-IN CLOSET
- BOILER RM./ REFUSE & RECYCLE RM./ELECTRIC, WATER & GAS METER RM./MAINTENANCE OFC./STORAGE RM./BIKE STORAGE
- LAUNDRY
- PUBLIC HALL
- STAIRS
- PUBLIC BATHROOM
- LOBBY/ELEVATORS LOBBY/VESTIBULE
- OFFICE / SECURITY/LOUNGE / RECREATION RM.
- EXTERIOR WALL-MOUNT
- EXTERIOR GROUND LIGHT
- EXTERIOR CEILING LIGHT
- MAIL
- SIDE YARD
- LOBBY
- EXTERIOR WALL-MOUNT CYLINDER
- EXTERIOR WALL-MOUNT
- DROPPED 2'x2' GRID LAY-IN ACOUSTICAL CEILING
- GYPSUM BOARD DROP CEILING

LIGHT FIXTURE SCHEDULE

TYPE	MTG.	SIZE	MANUFACTURER/CATALOG NUMBER	WATT	LOCATION	REMARKS	NUMBER OF FIXTURES
'AA'	WALL	13-7/8" W X 6-7/8" H X 3-1/2" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11857201WCOMPACTTT1120	13W	BEDROOM/LIVING ROOM		
'BB'	CEILING	7-3/8" DIA. X5"H	SEAGULL LIGHTING/DEEP CONE SATIN NICKEL/11061AT-861-6"	13W	APT. FOYER	COMPACT FLUORESCENT BULB 97047-	
'CC'	CEILING	14" DIA	SEAGULL LIGHTING/6024-15 SINGLE LIGHT WHITE PENDANT/	8W	PUIBLIC HALL/LOBBY		7
'DD'	CEILING	88.25" L X 3" H X 3-1/2" D	CORONET INC./LSR SERIES/LSR-88"-1-54-NT-120	54W	KITCHEN		
'EE'	WALL	27" L X 5" W X 4" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11890-RE-120	17W	APT. BATHROOM.		
'FF'	CEILING	46.25" L X 3" W X 3-1/2" D	CORONET INC./LSR SERIES/LSR-44"-1-28-NT-120	28W	KITCHEN		
'GG'	CEILING	4" H X 5" W X 4 D	TCP ECOVATIONS/ GU24 CLOSET LIGHT/SPRING LAMPS/CL13	13W	WALK-IN CLOSET		
'A'	CEILING	4' L X 5-5/16" W X 3-1/2" H	CORONET INC / WELDED STRIP SERIES / WS-2-32-120-MS	32W T8	BOILER RM/ REFUSE & RECYCLE RM./ELECTRIC, WATER & GAS METER RM./MAINTENANCE OFC./JANITOR CLOSET		61
'B'	WALL	51-1/2" L X 11-1/4" W X 5-1/2" H	LIGHT CONCEPTS/ LITHONIA LIGHTING/ 10640-RE-17-120	17W T8	LAUNDRY		3
'C'	CEILING	48" L X 7-3/4" W X 2" H	CORONET INC./ECO SERIES/ECO-4FT-1-28W-PSE"-120-EMI-OP	28W	PUBLIC HALL		139
'D'	WALL	24" L X 8" H X 3.89" D	LAMAR LIGHTING/VO SERIES VOYAGER/VO-2-17-E8-120-	17W	STAIRS		34
'E'	CEILING	72" L X 4-1/2" W X 1-3/4" H	LITECONTROL/COVE-15 CC-AL-L15/ CC-AL-L15-06-MO-30K--120	59W	ELEVATORS LOBBY/LOBBY		33
'G'	CEILING	24" X 24"	CORONET INC./TSSW SERIES/TSSW-22-2-14W-T-120	14W T5	OFFICE/SECURITY OFC/LOUNGE/RECREATION RM.		12
'H'	WALL	18 L X 8" D X 7-1/4" H	LITHONIA LIGHTING/DECORATIVE WALL-MOUNTED LIGHT/WGR-MDU-S10-DNAT	26W	EXTERIOR WALLS/GREEN ROOF		13
'I'	WALL/FLOOR	8-3/8" L X 4-1/2" D X 3" H	PRESCOLITE/LED STEP LIGHTS/SLLED3-35-BZ-SLD12CMB	10W	EXTERIOR/GREEN ROOF		21
'J'	CEILING	13-5/8" DIA X 5-3/8" H	PROGRESS LIGHTING/COMPACT FLUORESCENT 1HOOP/ P5786-20EBWB-1-26WCFL	26W	EXTERIOR		4
'K'	WALL	72" L	DELRAY LIGHTING/ST9/11/ ST96221.311-6"-120 ST94128.411-A"-120	2-21 & 1-28	MAIL WALL		2
'L'	FLOOR	10" DIA X 7" H 2.6" DIA X 17" H	RAB LIGHTING/DOME TOP LAWN LIGHT / LLD35/IFS13 RAB LIGHTING/17" MIGHTYPOST/MPT17S	13W CFL	SIDE YARD	INSTALL ON MOUNTING STEM N@ 1'-0" ABOVE GRADE, BLACK FINISH	4
'M'	CEILING	5" DIA X 6-5/8" H	DELRAY LIGHTING/CYLINDRO II/ 6705-CW-S-1	60W	LOBBY		1
'N'	WALL	6" DIA x 12" H X 8-7/8" D	PRESCOLITE/6"DIRECT LED WALL MOUNT CYLINDER/LDWLED30-W-30K-BZ	75 W	SIDEYARD WALL	UL-CUL WET LOCATION WITH TOP COVER	8
'O'	WALL	18"L X 12.5" D X 8" D	LITHONIA/WALL MOUNTED LIGHT/MRW/MRW-26DTT-M-120-DNAT	26	ROOF		4

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
TYPICAL (2-5) REFLECTED CEILING PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO, P.C.
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

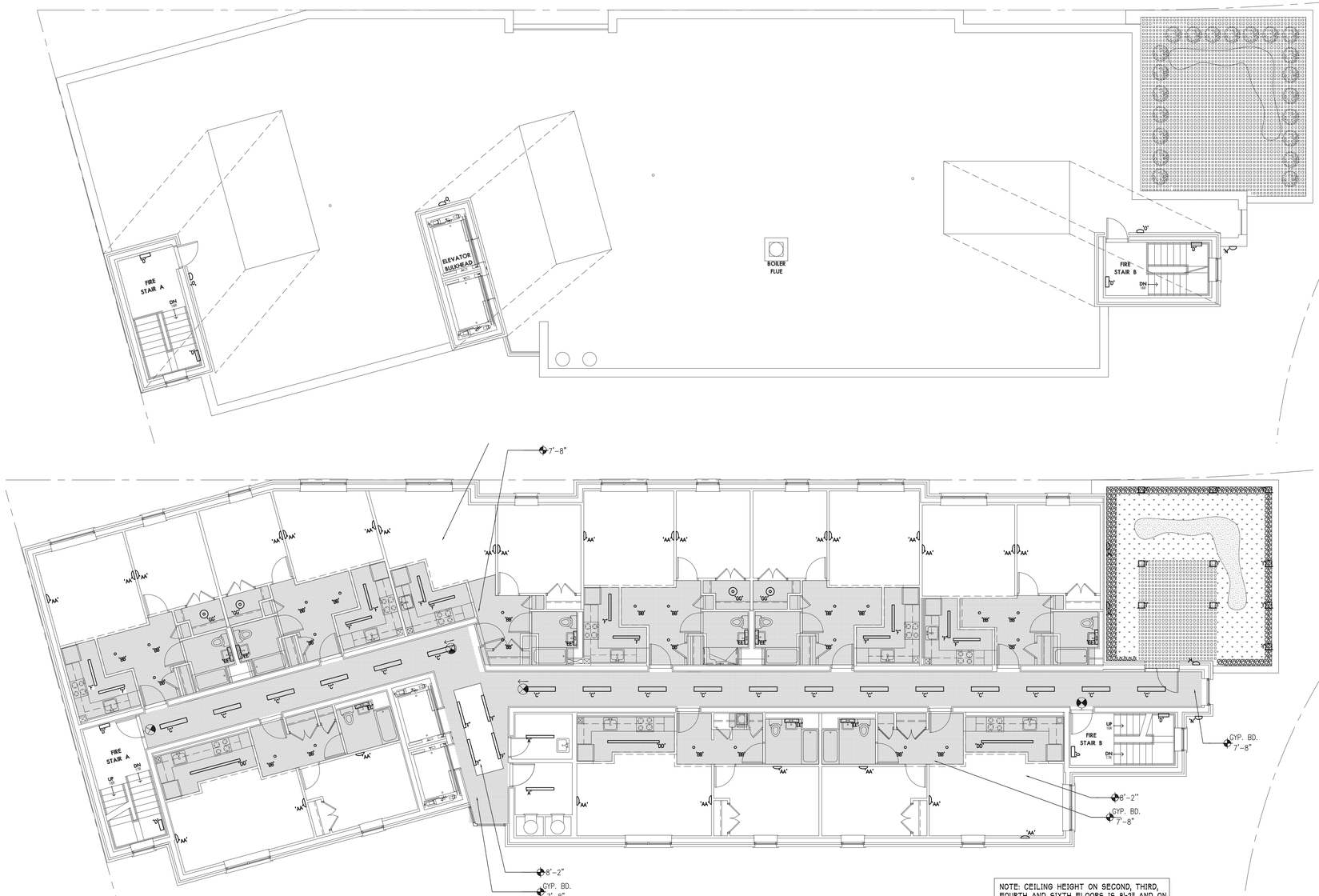
JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/8"=1'-0"

DRAWING #: A-109.00

PAGE #: 220177350



- BEDROOM/LIVING ROOM
- APT. FOYER
- LOBBY/PUBLIC HALL
- KITCHEN
- APT. BATHROOM
- KITCHEN
- WALK-IN CLOSET
- BOILER RM/ REFUSE & RECYCLE RM/ELECTRIC, WATER & GAS METER RM/MAINTENANCE OFC./STORAGE RM/BIKE STORAGE
- LAUNDRY
- PUBLIC HALL
- STAIRS
- PUBLIC BATHROOM
- LOBBY/ELEVATORS LOBBY/VESTIBULE
- OFFICE / SECURITY/LOUNGE / RECREATION RM.
- EXTERIOR WALL-MOUNT
- EXTERIOR GROUND LIGHT
- EXTERIOR CEILING LIGHT
- MAIL
- SIDE YARD
- LOBBY
- EXTERIOR WALL-MOUNT CYLINDER
- EXTERIOR WALL-MOUNT

DROPPED 2'x2' GRID LAY-IN ACOUSTICAL CEILING

GYPSUM BOARD DROP CEILING

NOTE: CEILING HEIGHT ON SECOND, THIRD, FOURTH AND SIXTH FLOORS IS 8'-2" AND ON THE FIFTH FLOOR 9'-0".

LIGHT FIXTURE SCHEDULE

TYPE	MTG.	SIZE	MANUFACTURER/CATALOG NUMBER	WATT	LOCATION	REMARKS	NUMBER OF FIXTURES
'AA'	WALL	13-7/8" W X 6-7/8" H X 3-1/2" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11857121I3WCOMPACTITT120	13W	BEDROOM/LIVING ROOM		
'BB'	CEILING	7-3/8" DIA X5"H	SEAGULL LIGHTING/DEEP CONE SATIN NICKEL/11D61AT-861-6"	13W	APT. FOYER	COMPACT FLUORESCENT BULB 97047-	
'CC'	CEILING	14" DIA	SEAGULL LIGHTING/6024-15 SINGLE LIGHT WHITE PENDANT/	8W	PUIBLIC HALL/LOBBY		7
'DD'	CEILING	88.25" L X 3" H X 3-1/2" D	CORONET INC./LSR SERIES/LSR-88*1-54-NT-120	54W	KITCHEN		
'EE'	WALL	27" L X 5" W X 4" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11880-RE-120	17W	APT. BATHROOM.		
'FF'	CEILING	46.25" L X 3" W X 3-1/2" D	CORONET INC./LSR SERIES/LSR-44*1-28-NT-120	28W	KITCHEN		
'GG'	CEILING	4" H X 5" W X 4 D	TCP ECOVATIONS/ GU24 CLOSET LIGHT/SPRING LAMPS/CL13	13W	WALK-IN CLOSET		
'A'	CEILING	4' L X 5-5/16" W X 3-1/2" H	CORONET INC / WELDED STRIP SERIES / WS-2-32-120-MS	32W T8	BOILER RM/ REFUSE & RECYCLE RM/ELECTRIC, WATER & GAS METER RM./MAINTENANCE OFC./JANITOR CLOSET		61
'B'	WALL	51-1/2" L X 11-1/4" W X 5-1/2" H	LIGHT CONCEPTS/ LITHONIA LIGHTING/ 10640-RE-17-120	17W T8	LAUNDRY		3
'C'	CEILING	48" L X 7-3/4" W X 2" H	CORONET INC./ECO SERIES/ECO-4FT-1-28W-PS6*-120-EMI-OP	28W	PUBLIC HALL		139
'D'	WALL	24" L X 8" H X 3.89" D	LAMAR LIGHTING/VO SERIES VOYAGER/VO-2-17-E8-120-	17W	STAIRS		34
'E'	CEILING	72" L X 4-1/2" W X 1-3/4" H	LITECONTROL/COVE-15 CC-AL-L15/ CC-AL-L15-06-MO-30K--120	59W	ELEVATORS LOBBY/LOBBY		33
'G'	CEILING	24" X 24"	CORONET INC./TSSW SERIES/TSSW-22-2-14W-T-120	14W T5	OFFICE/SECURITY OFC/LOUNGE/RECREATION RM.		12
'H'	WALL	18 L X 8" D X 7-1/4" H	LITHONIA LIGHTING/DECORATIVE WALL-MOUNTED LIGHT./WSR-MDU-120-DNAT	26W	EXTERIOR WALLS/GREEN ROOF		13
'I'	WALL/FLOOR	9-3/8" L X 4-1/2" D X 3" H	PRESCOLITE/LED STEP LIGHTS/SLLED2-35-BZ-SLD12CMB	10W	EXTERIOR/GREEN ROOF		21
'J'	CEILING	13-5/8" DIA X 5-3/8" H	PROGRESS LIGHTING/COMPACT FLUORESCENT 'HOOP/ P5786-20EBWB-1-26WCFL	26W	EXTERIOR		4
'K'	WALL	72" L	DELRAY LIGHTING/ST9/11/ ST9622L311-6"-120 ST9428.411-4-120	2-21 & 1-28	MAIL WALL		2
'L'	FLOOR	10" DIA X 7" H 2.6" DIA X 17" H	RAB LIGHTING/DOME TOP LAWN LIGHT / LLD35B/PS13 RAB LIGHTING/17" MIGHTYPOST/MP17B	13W CFL	SIDE YARD	INSTALL ON MOUNTING STEM N@ 1'-0" ABOVE GRADE, BLACK FINISH	4
'M'	CEILING	5" DIA X 6-5/8" H	DELRAY LIGHTING/CYLINDRO II/ 6705-CW-S-1	60W	LOBBY		1
'N'	WALL	6" DIA x 12" H X 8-7/8" D	PRESCOLITE/6PDIRECT LED WALL MOUNT CYLINDER/LDLED30-W-35K-SZ	75 W	SIDEYARD WALL	UL-CUL WET LOCATION WITH TOP COVER	9
'O'	WALL	18"L X 12.5" D X 9" D	LITHONIA/WALL MOUNTED LIGHT/MRW/MRW-260TT-M-120-DNAT	26	ROOF		4

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
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NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

SIXTH FLOOR
REFLECTED CEILING PLAN

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO P.C.
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203 LAFAYETTE STREET 5TH FL
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t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

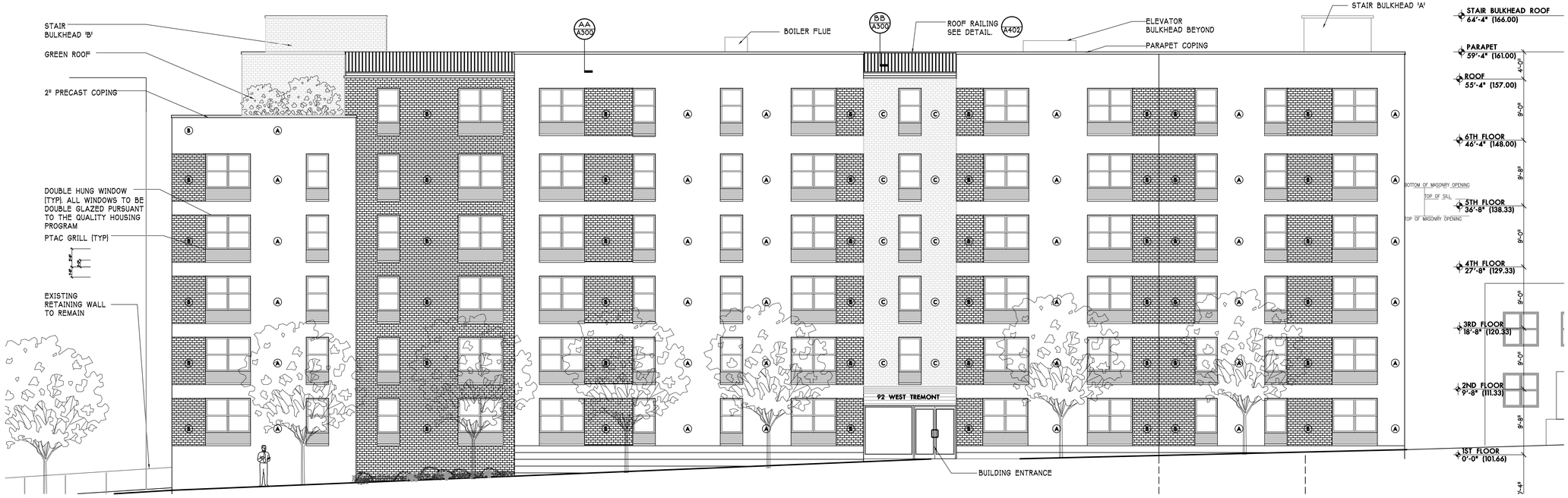
JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/8"=1'-0"

DRAWING #: A-110.00

PAGE #: 220177350



LEGEND	
CAST STONE: ROCK CAST WHEATSTONE GP-A	① COPING STONE CO-300 ② MASONRY STONE - SILLS SL-225 STANDARD LENGTH 24"
BRICK: BELDEN	Ⓐ YELLOW BRICK - 481-483 SMOOTH A Ⓑ GREY BROWN BRICK - 661 SMOOTH A Ⓒ ORANGE BRICK - 470-478 LIGHT
MORTAR	SPEC MIX KHAKI C788-N

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

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ENGINEERING CONSULTANT:

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4	CONTRACT SET	06/18/2013

DRAWING TITLE:

WEST TREMONT ELEVATION
W 177TH ST ELEVATION

ARCHITECT:

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203 LAFAYETTE STREET 5TH FL
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DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/8"=1'-0"

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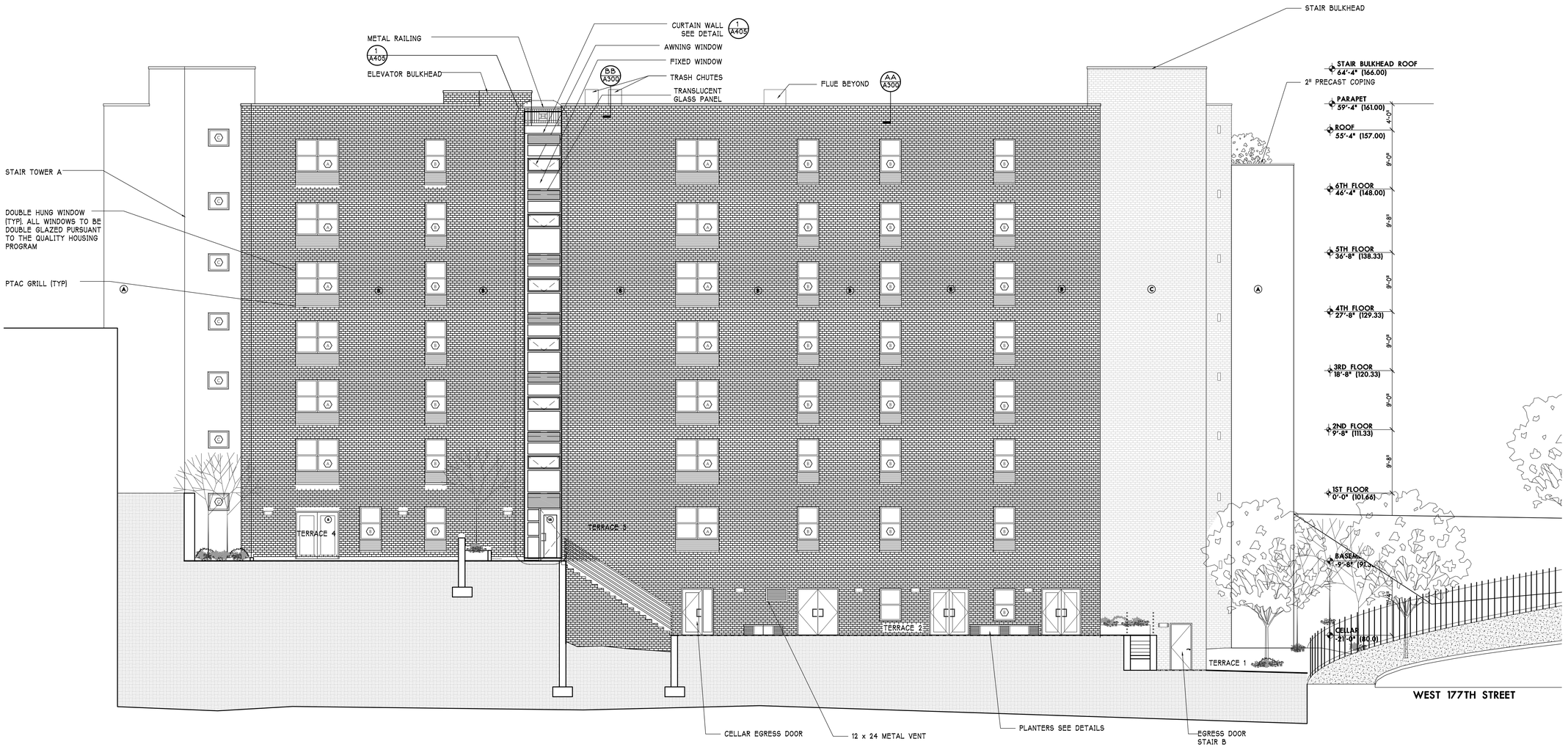

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
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DRAWING TITLE:
EAST ELEVATION

ARCHITECT:
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203 LAFAYETTE STREET 5TH FL
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t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

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A-201.00

PAGE #:
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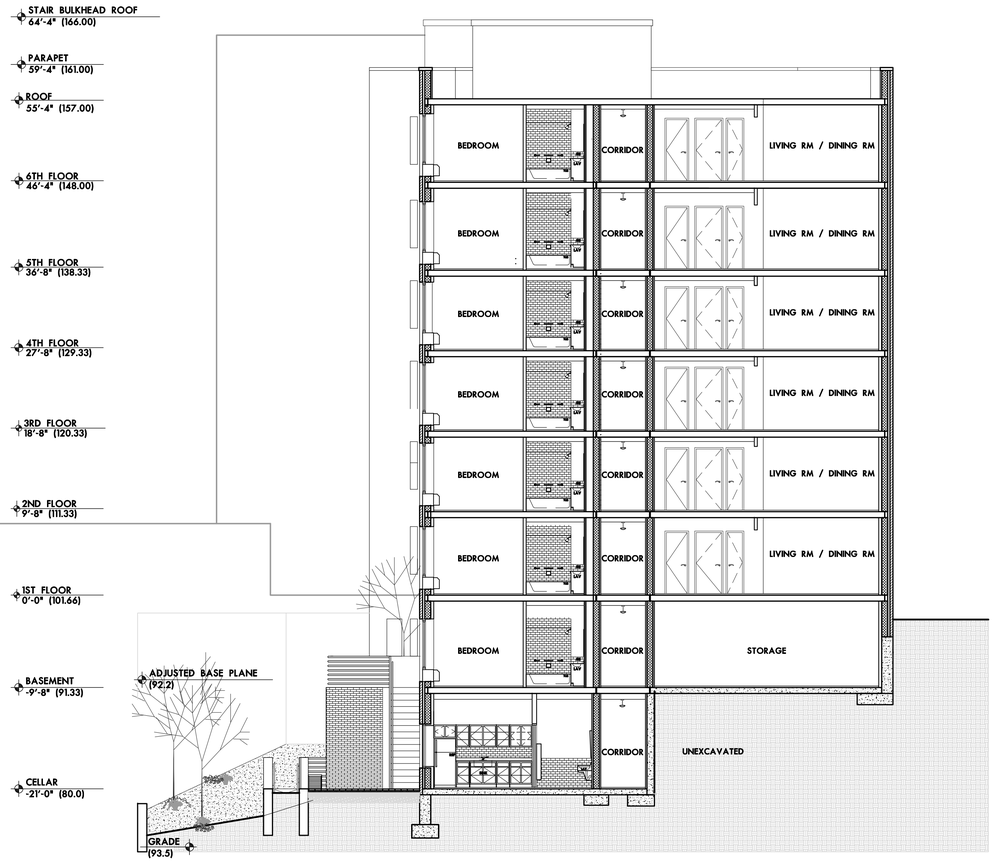

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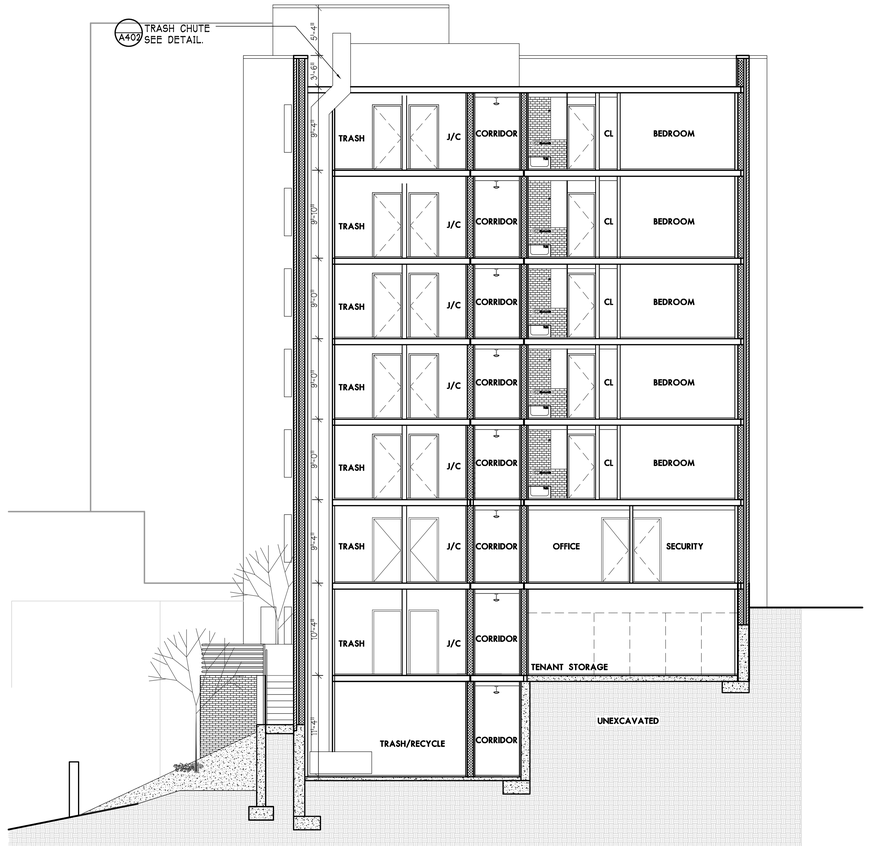

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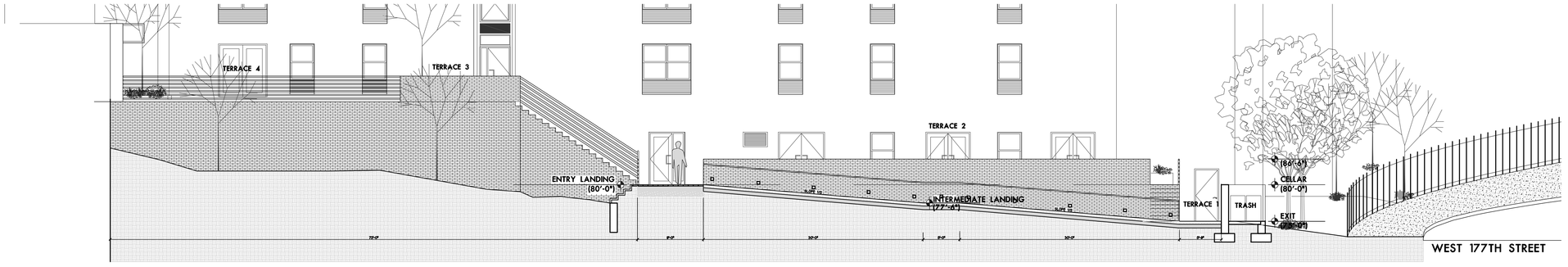

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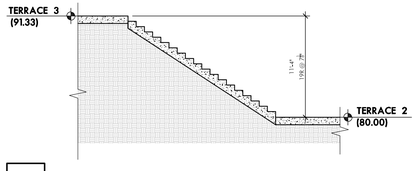

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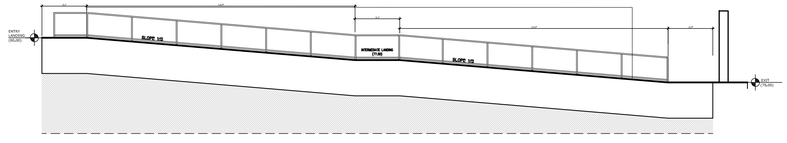

5 RAMP SECTION 1/8"=1'-0

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

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DRAWING TITLE:
SECTIONS

ARCHITECT:
OCV
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203 LAFAYETTE STREET 5TH FL
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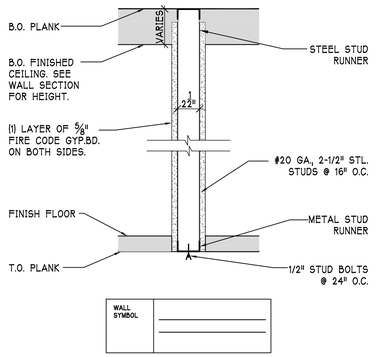
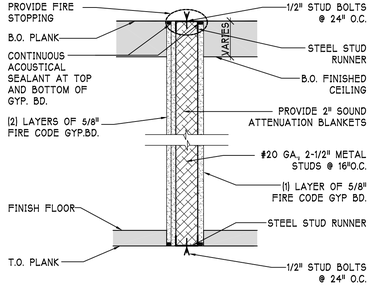
DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: key/am
SCALE: 1/8"=1'-0"
DRAWING #: A-300
PAGE #: 220177350



WALL SYMBOL	

3 METAL STUD PARTITION (NON-BEARING)

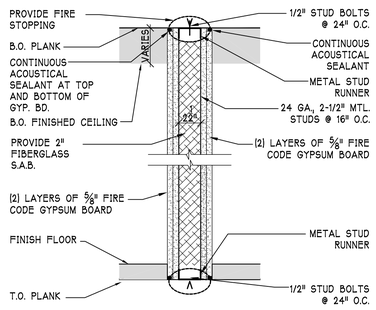
SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	1 HOUR
BSA#	#453-73SM
S.T.C.	50

4 METAL STUD PARTITION (NON-BEARING)

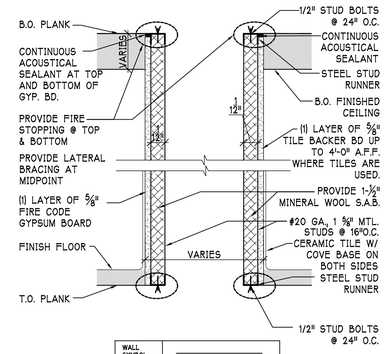
SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	2 HOUR
BSA#	#301-60-SM
S.T.C.	--

5 METAL STUD PARTITION (NON BEARING)

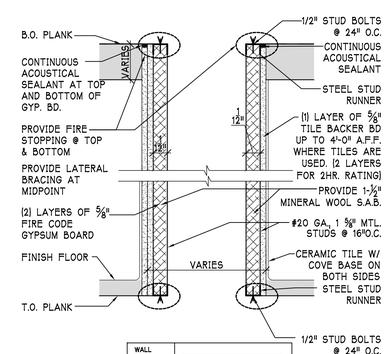
SCALE 1-½"=1'-0"



WALL SYMBOL	

6 METAL STUD CHASE WALL

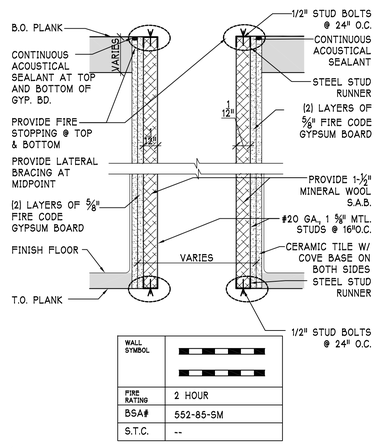
SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	1 HOUR
BSA#	553-85-SM
S.T.C.	50

7 METAL STUD CHASE WALL 1 HR. RATED

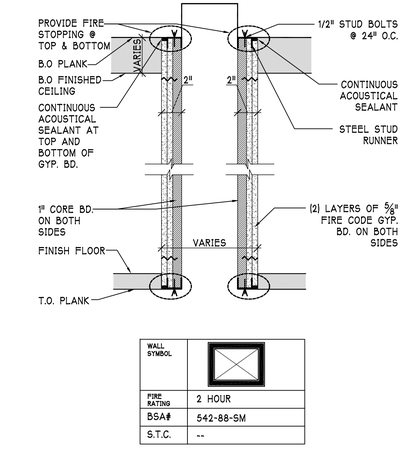
SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	2 HOUR
BSA#	552-85-SM
S.T.C.	--

8 METAL STUD CHASE WALL 2 HR. RATED

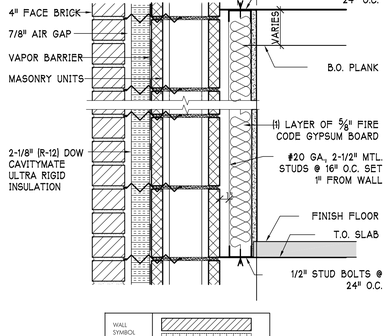
SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	2 HOUR
BSA#	542-88-SM
S.T.C.	--

9 METAL STUD SHAFT WALL

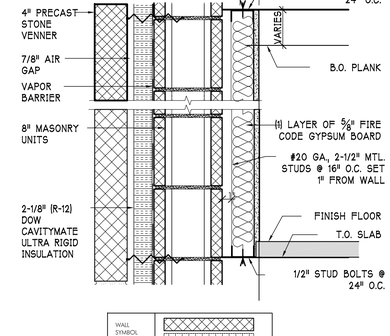
SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	3 HOUR

10 INTERIOR MASONRY 100% SOLID WALL

SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	
STC RATING	66
FIRE TEST #	MEA# 1-74-M

11 EXTERIOR MASONRY WALL

SCALE 1-½"=1'-0"

WALL SYMBOL	
FIRE RATING	3 HOUR
STC RATING	66
FIRE TEST #	MEA# 1-74-M

12 EXTERIOR MASONRY WALL W/ PRECAST

SCALE 1-½"=1'-0"

WALL SYMBOL	
FIRE RATING	2 HOUR
MEA#	439-70-SM
S.T.C.	--

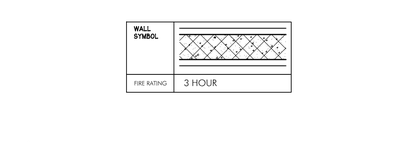
13 EXTERIOR METAL STUD WALL

SCALE 1-½"=1'-0"

WALL SYMBOL	
FIRE RATING	2 HOUR
MEA#	1-74-M
S.T.C.	--

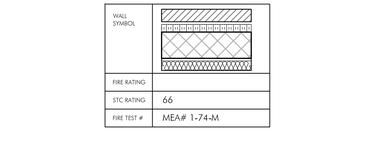
14 EXTERIOR MASONRY WALL W/ STUCCO

SCALE 1-½"=1'-0"



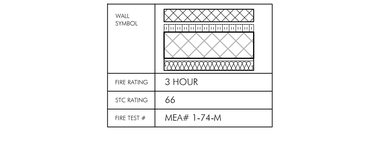
15 WOOD FLOOR

SCALE 1-½"=1'-0"



16 CARPET/RUBBER FLOOR

SCALE 1-½"=1'-0"



17 PORCELAIN TILE FLOOR

SCALE 1-½"=1'-0"

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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12 W 32ND STREET | NEW YORK, NY 10001
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1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

PARTITION DETAILS

ARCHITECT:

OCV
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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
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DATE: 05/18/2012

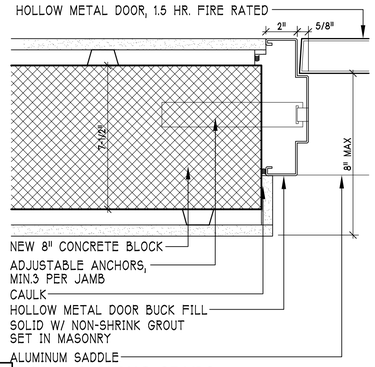
JOB #: 09J06

DRAWN BY: key/am

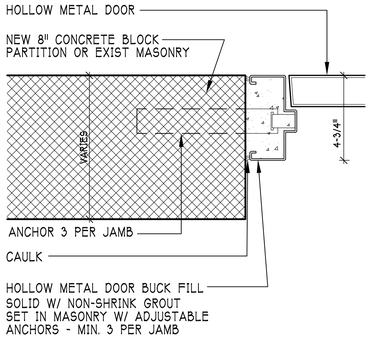
SCALE: AS NOTED

DRAWING #: A-400.00

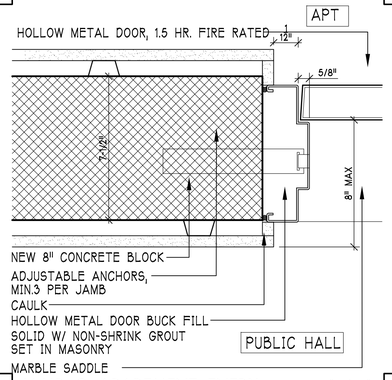
PAGE #: 220177350



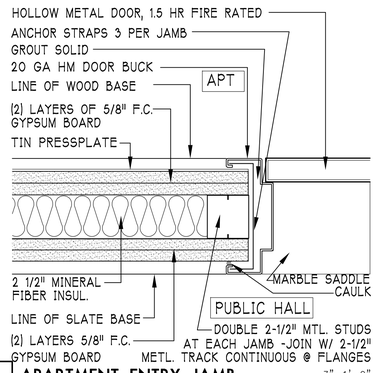
1 JAMB @ PUBLIC STAIRS 3"=1'-0"



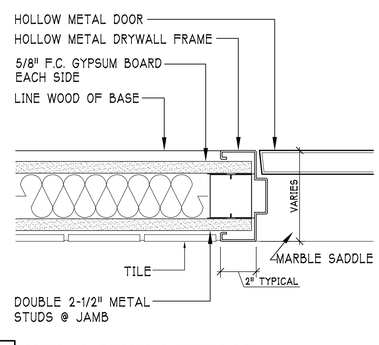
2 JAMB @ MASONRY WALL 3"=1'-0"



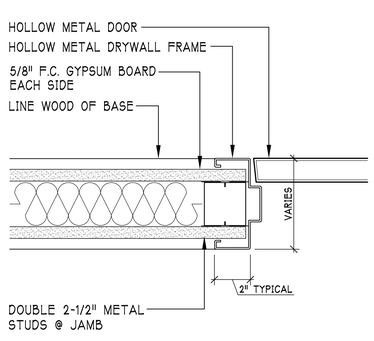
3 JAMB @ APARTMENT ENTRY @ MASONRY WALL 3"=1'-0"



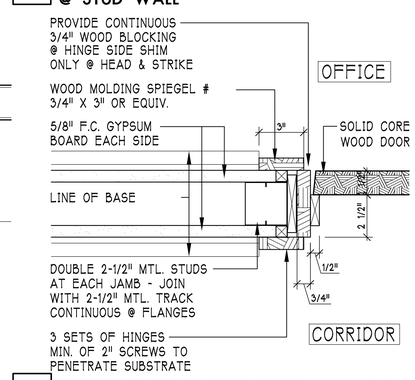
4 APARTMENT ENTRY JAMB STUD WALL 3"=1'-0"



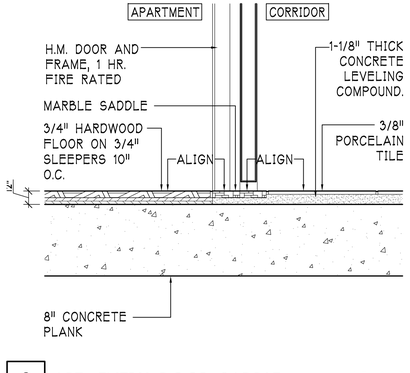
5 JAMB @ PUBLIC BATHROOM 3"=1'-0"



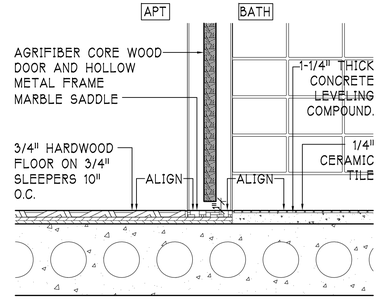
6 HOLLOW METAL JAMB @ STUD WALL 3"=1'-0"



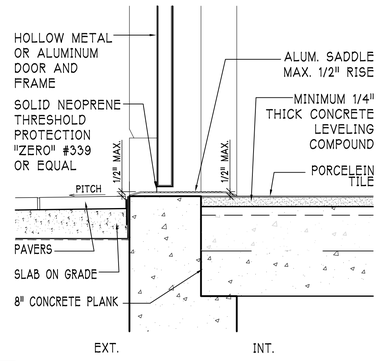
7 WOOD JAMB @ STUD WALL 3"=1'-0"



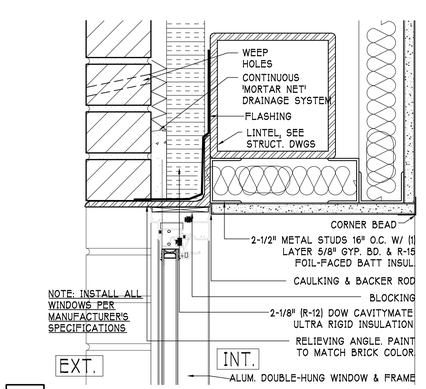
8 APT. ENTRY DOOR SADDLE 1-1/2"=1'-0"



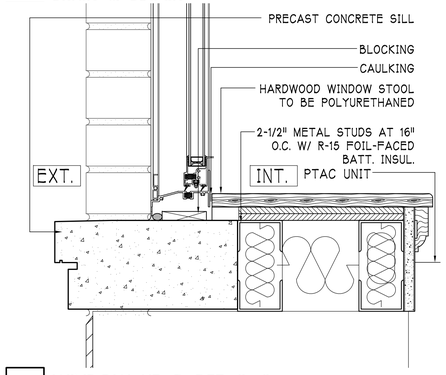
9 SADDLE @ PRIVATE BATHS 1-1/2"=1'-0"



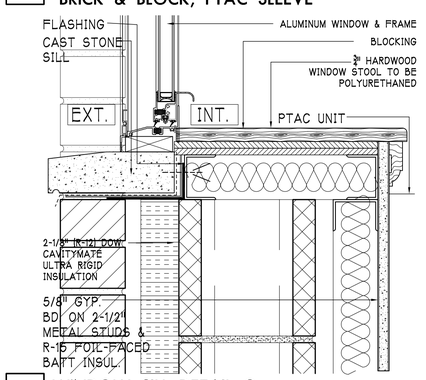
10 EXTERIOR DOOR SADDLE 1-1/2"=1'-0"



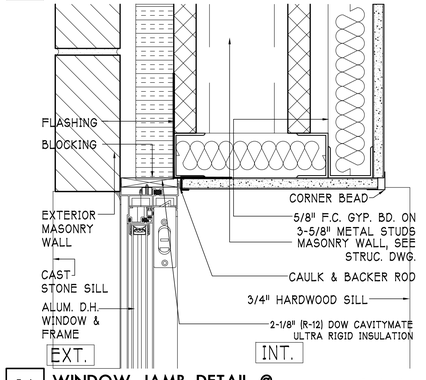
13 WINDOW HEAD DETAIL @ BRICK & BLOCK 3"=1'-0"



14 WINDOW HEAD DETAIL @ BRICK & BLOCK, PTAC SLEEVE 3"=1'-0"



15 WINDOW SILL DETAIL @ 3"=1'-0"



16 WINDOW JAMB DETAIL @ TYPICAL MASONRY WALL 3"=1'-0"

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3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

DOOR & WINDOW DETAILS

ARCHITECT:
OCV
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ARCHITECTS
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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
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DATE: 05/18/2012

JOB #: 09J06

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SCALE: AS NOTED

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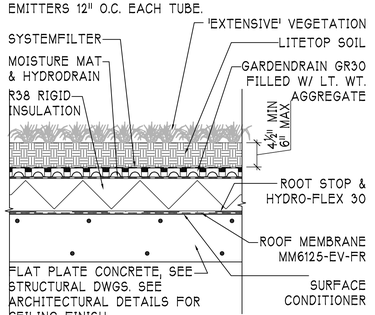
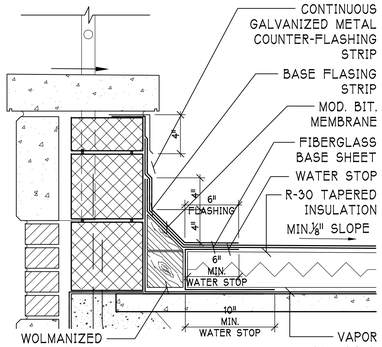
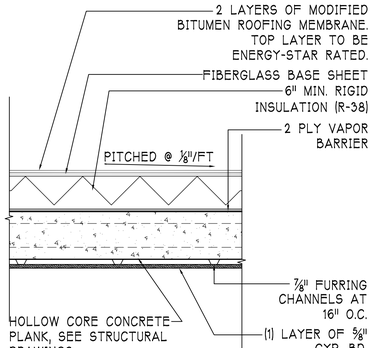


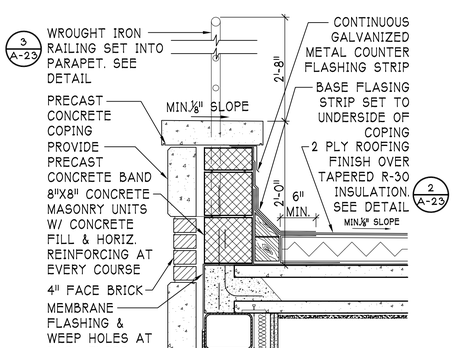
1 'EXTENSIVE' GREEN ROOF SYSTEM
AT 1ST AND 2ND FLOOR 1"=1'-0"



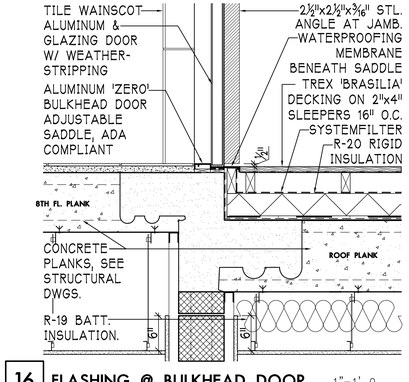
2 TYPICAL ROOF PERIMETER FLASHING
1-1/2"=1'-0"



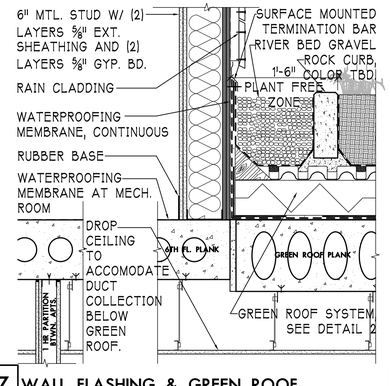
3 ENERGY-STAR RATED ROOF
1"=1'-0"



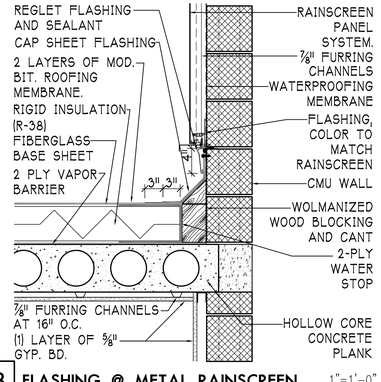
4 PARAPET DETAIL
1"=1'-0



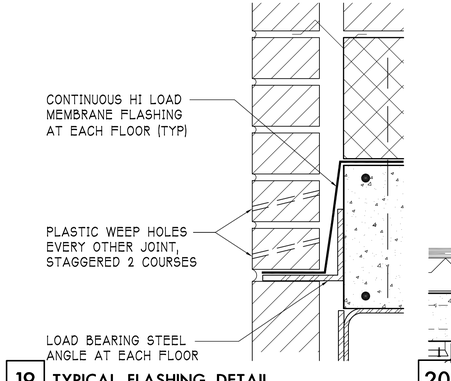
6 CURB @ GREEN ROOF SYSTEM
1"=1'-0"



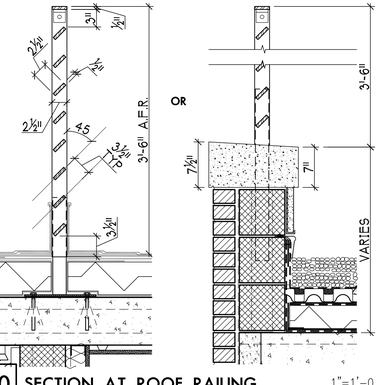
7 FLASHING @ GREEN ROOF PARAPET
'INTENSIVE' 1"=1'-0"



8 PIPE PENETRATION @ ROOF
1-1/2"=1'-0



9 FLASHING DETAIL @ ROOF FANS
1"=1'-0



10 FLASHING @ BASE OF STAIR BULKHEAD
1"=1'-0"

11 GREEN ROOF DRAIN AT DECKING
1"=1'-0"

12 GREEN ROOF DRAIN DETAIL
AT 1ST & 6TH FLOOR 1"=1'-0"

13 ROOF DRAIN @ 8TH FLOOR ROOF - EAST
1-1/2"=1'-0

14 GUTTER @ BULKHEAD ROOF
AT FIRE STAIR #2 1"=1'-0"

16 FLASHING @ BULKHEAD DOOR
GREEN ROOF 1"=1'-0

17 WALL FLASHING & GREEN ROOF
AT 6TH FLOOR 1"=1'-0"

18 FLASHING @ METAL RAINSCREEN
1"=1'-0"

19 TYPICAL FLASHING DETAIL
3"=1'-0"

20 SECTION AT ROOF RAILING
1"=1'-0"

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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1	DOB APPROVAL	09/06/2012
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3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
ROOF DETAILS

ARCHITECT:
OCV
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203 LAFAYETTE STREET 5TH FL
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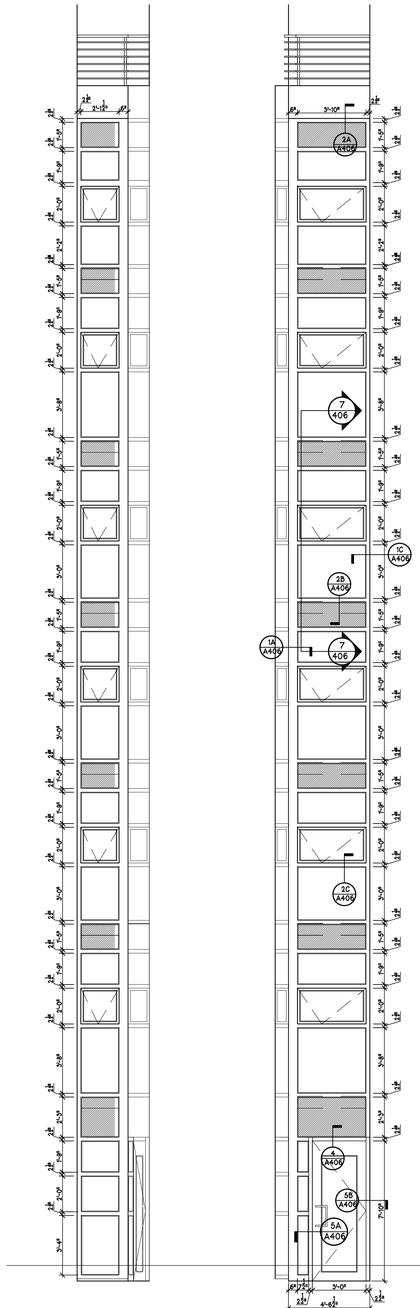
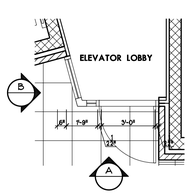
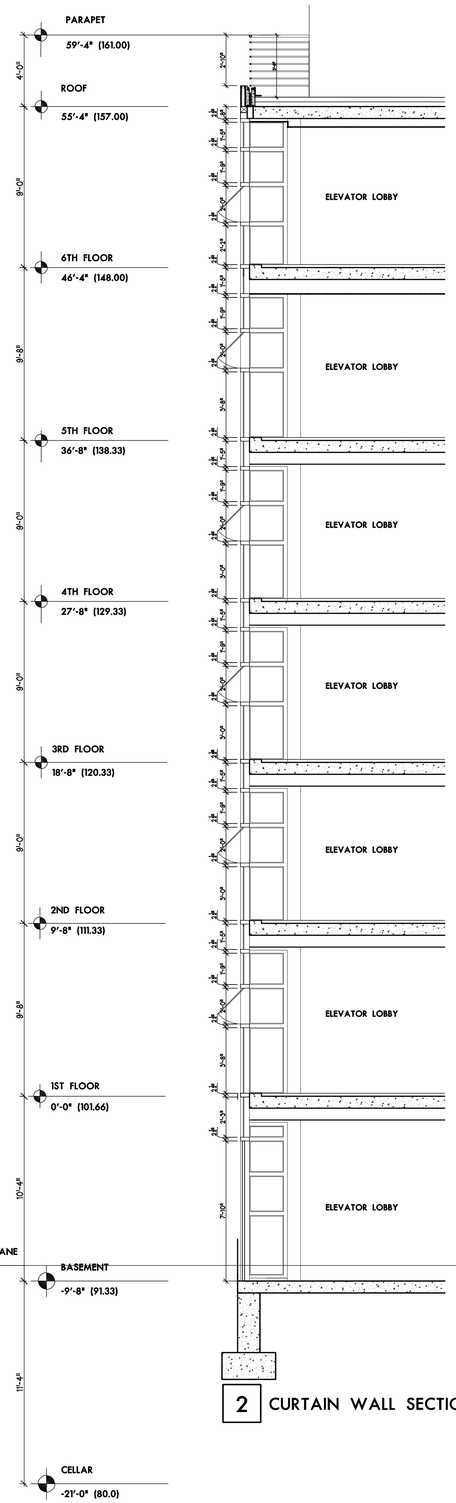
DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: key/am
SCALE: AS NOTED
DRAWING #: A-402.00
PAGE #: 220177350

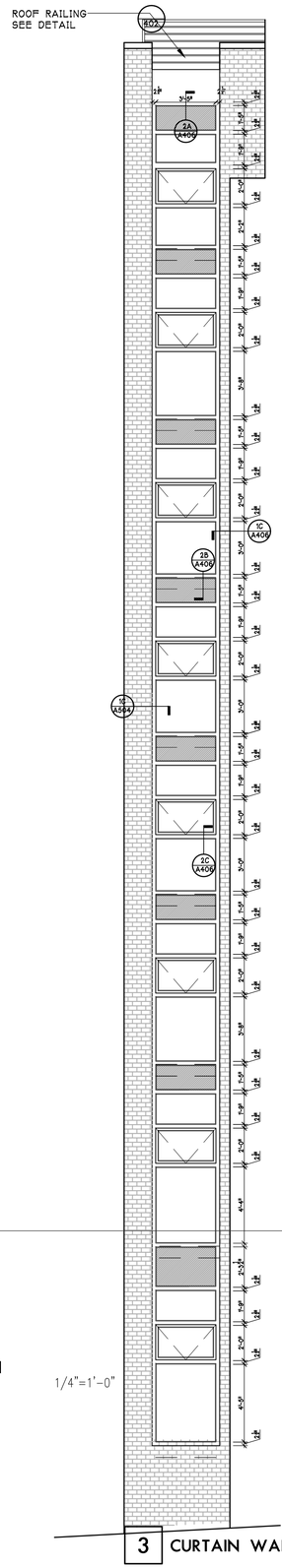


1 ELEVATIONs 'A' & 'B'
1/4"=1'-0"



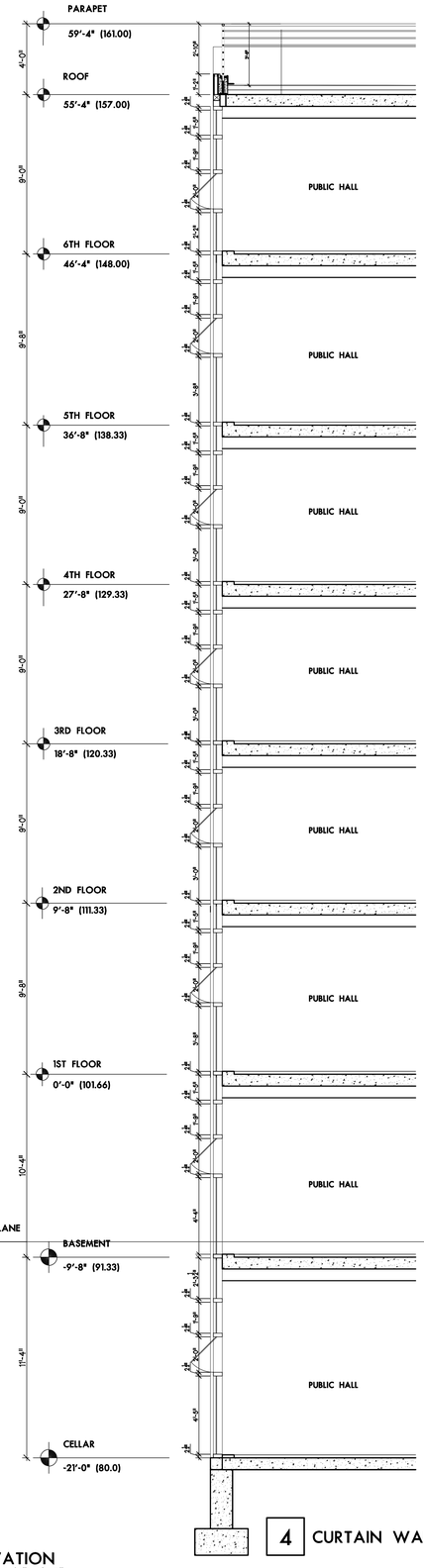


2 CURTAIN WALL SECTION



1/4"=1'-0"

3 CURTAIN WALL EXTERIOR ELEVATION
1/4"=1'-0"



4 CURTAIN WALL SECTION
1/4"=1'-0"

PROMESA

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DRAWING TITLE:
CURTAIN WALL ELEVATIONS & SECTION

ARCHITECT:
OCV
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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE:
05/18/2012

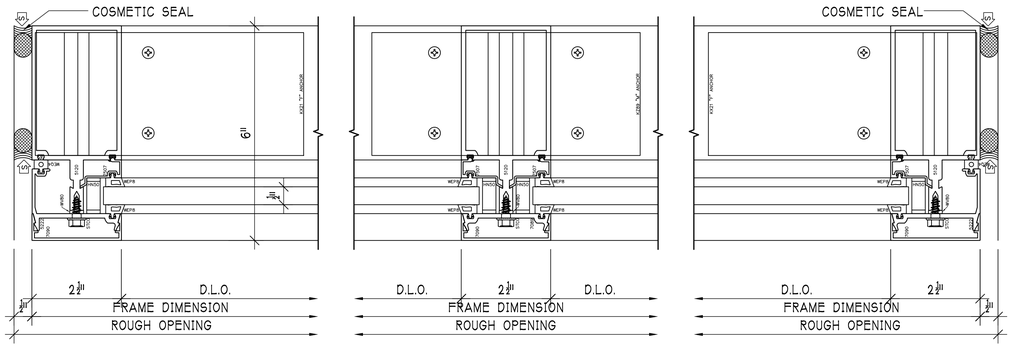
JOB #:
09J06

DRAWN BY:
key/am

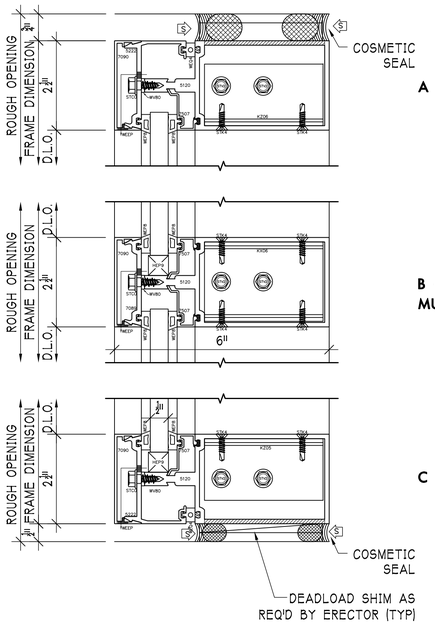
SCALE:
1/8"=1'-0"

DRAWING #:
A-403.00

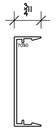
PAGE #:
220177350



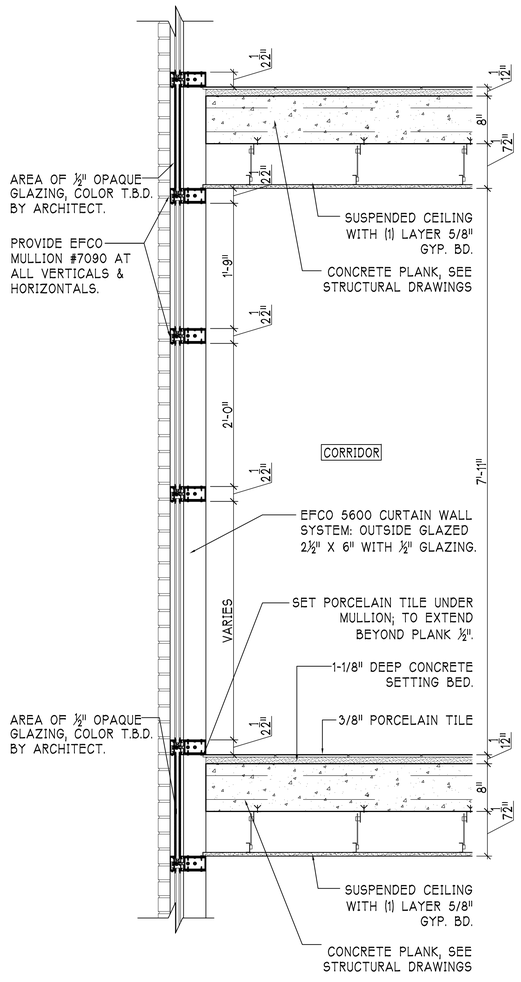
1 OUTSIDE GLAZED JAMB & VERTICAL MULLION DETAIL
6"=1'-0"



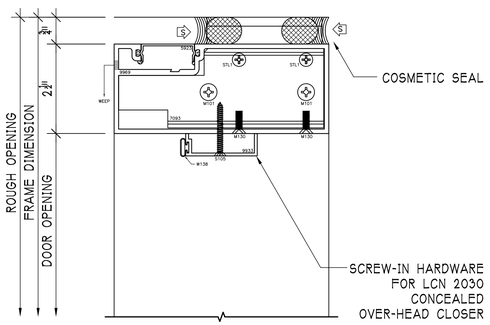
2 OUTSIDE GLAZED HEAD, SILL & HORIZONTAL MULLION DETAIL
6"=1'-0"



3 MULLION PROFILE #7090
6"=1'-0"



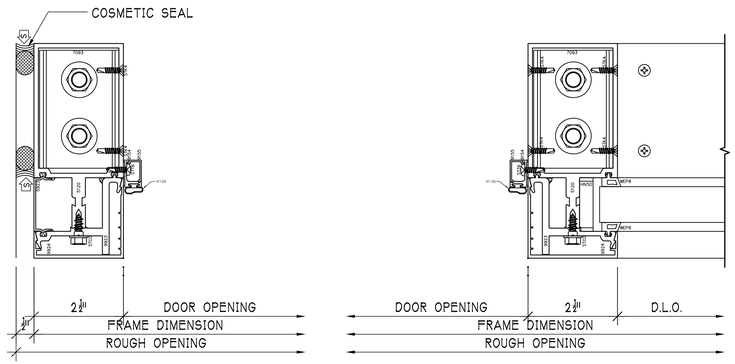
7 CURTAIN WALL SECTION
1"=1'-0"



4 OUTSIDE GLAZED DOOR HEAD DETAIL
6"=1'-0"

A - JAMB @ WALL

B - JAMB @ WINDOW



5 OUTSIDE GLAZED DOOR JAMBS
6"=1'-0"

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MEP CONSULTANT:

ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

CURTAIN WALL
SECTIONS & DETAILS

ARCHITECT:

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NEW YORK CITY, NEW YORK 10012
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DATE: 05/18/2012

JOB #: 09J06

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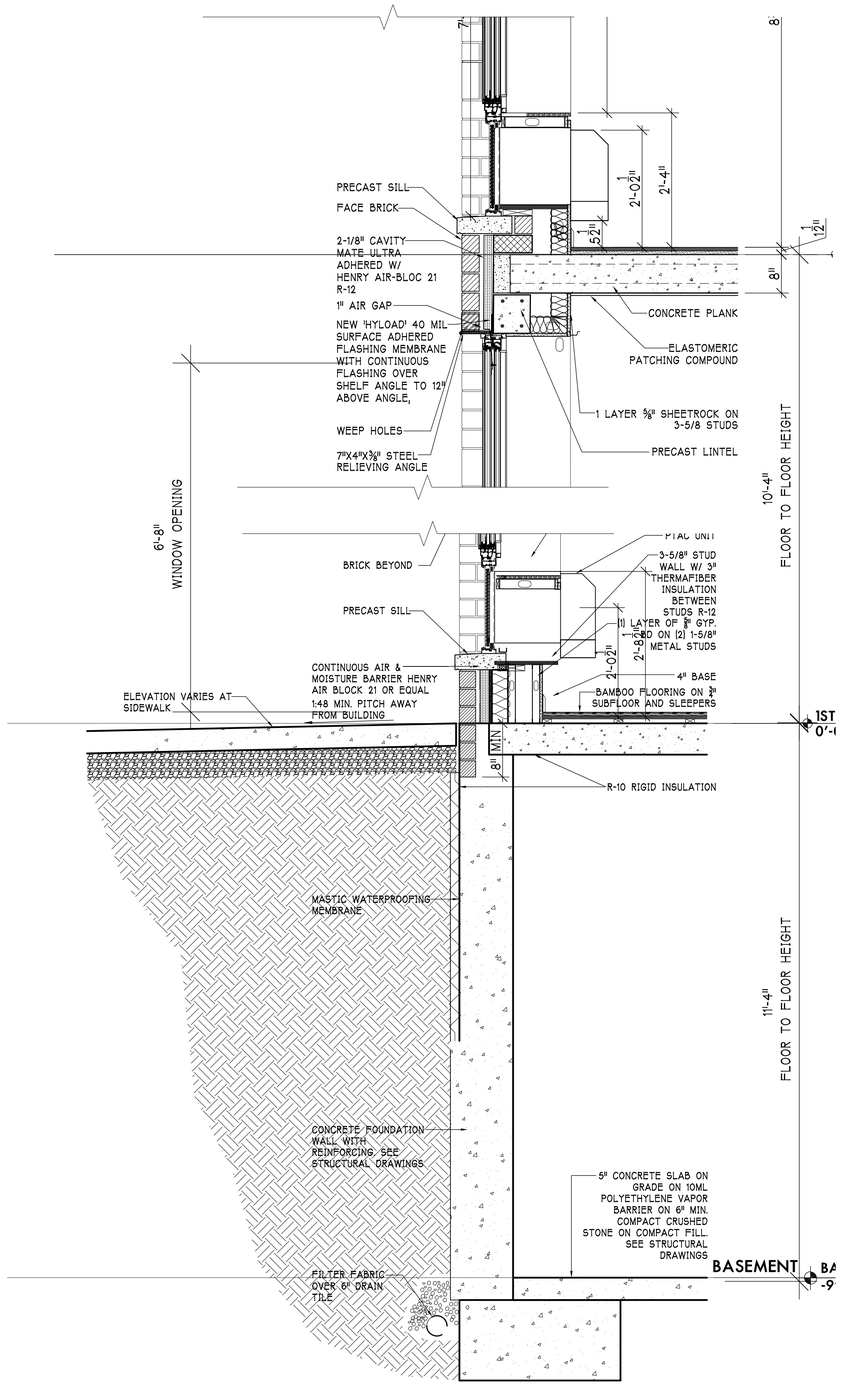
SCALE: 1/8"=1'-0"

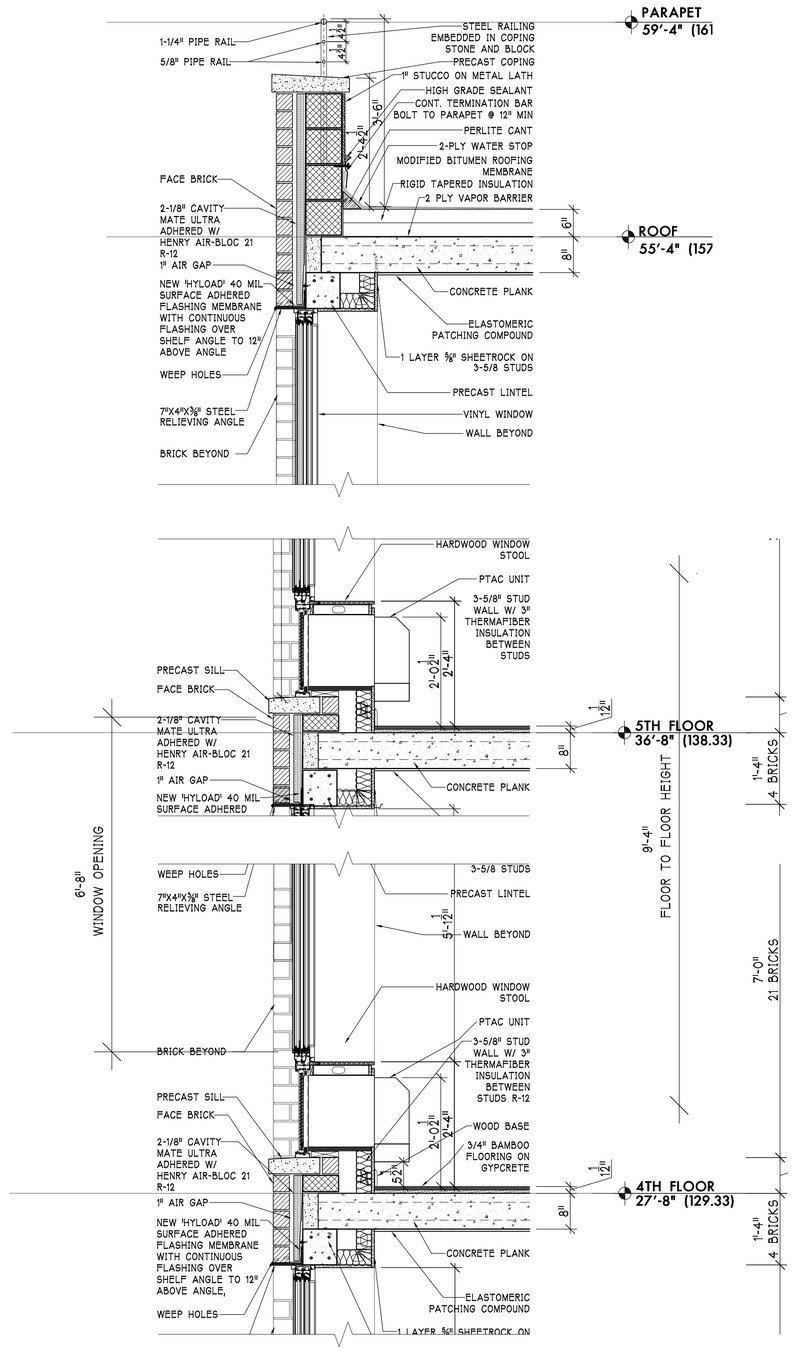
DRAWING #:

A-404.00

PAGE #:

220177350





PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
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DRAWING TITLE:
TYPICAL WALL SECTION

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DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

SCALE: 3/4"=1'-0"

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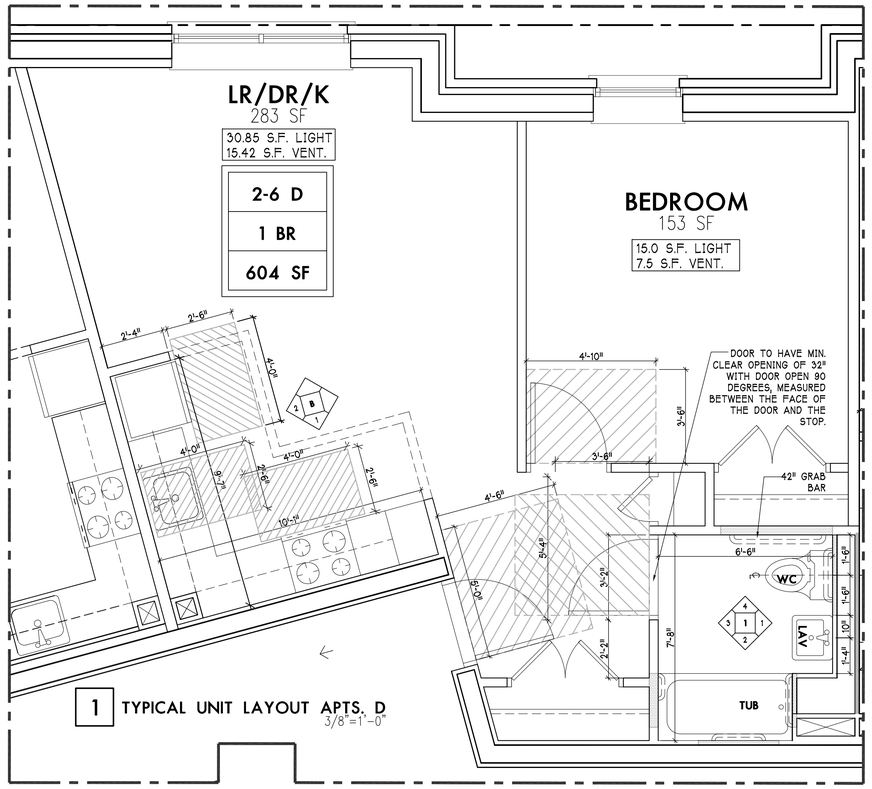
PAGE #: 220177350



1 TYPICAL UNIT LAYOUT APTS. D
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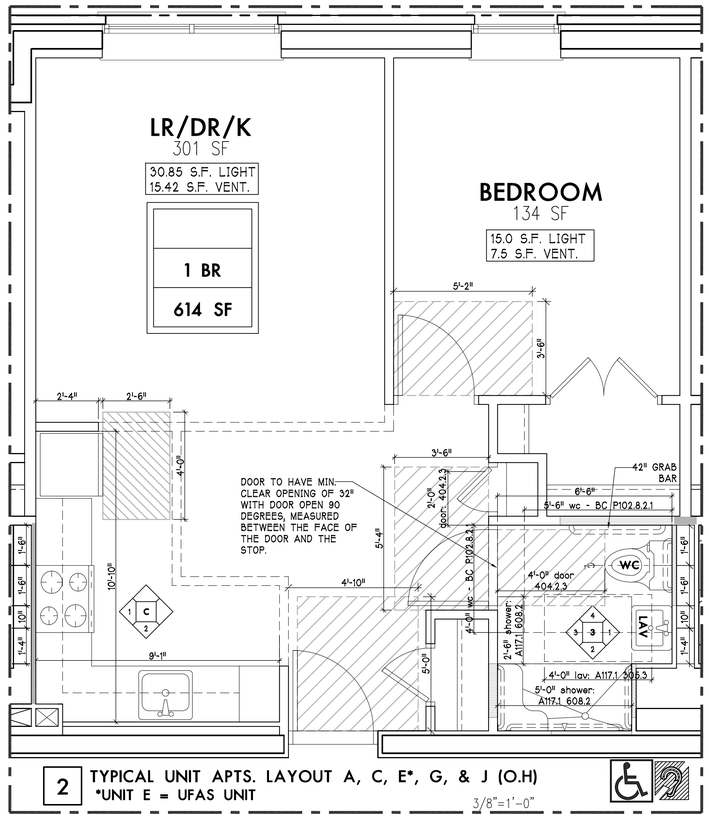
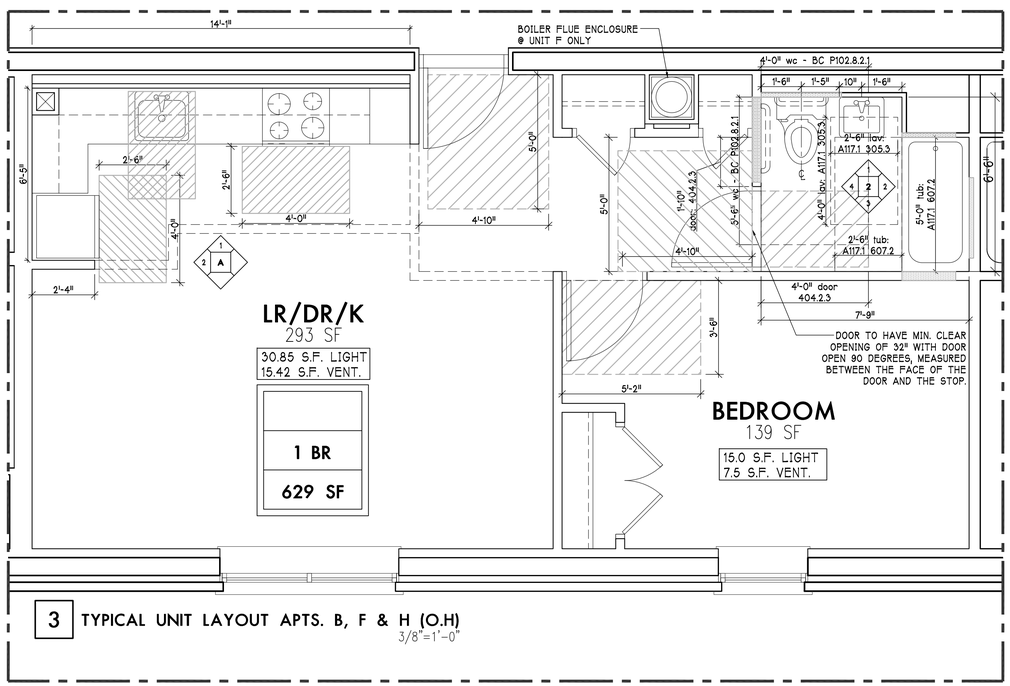
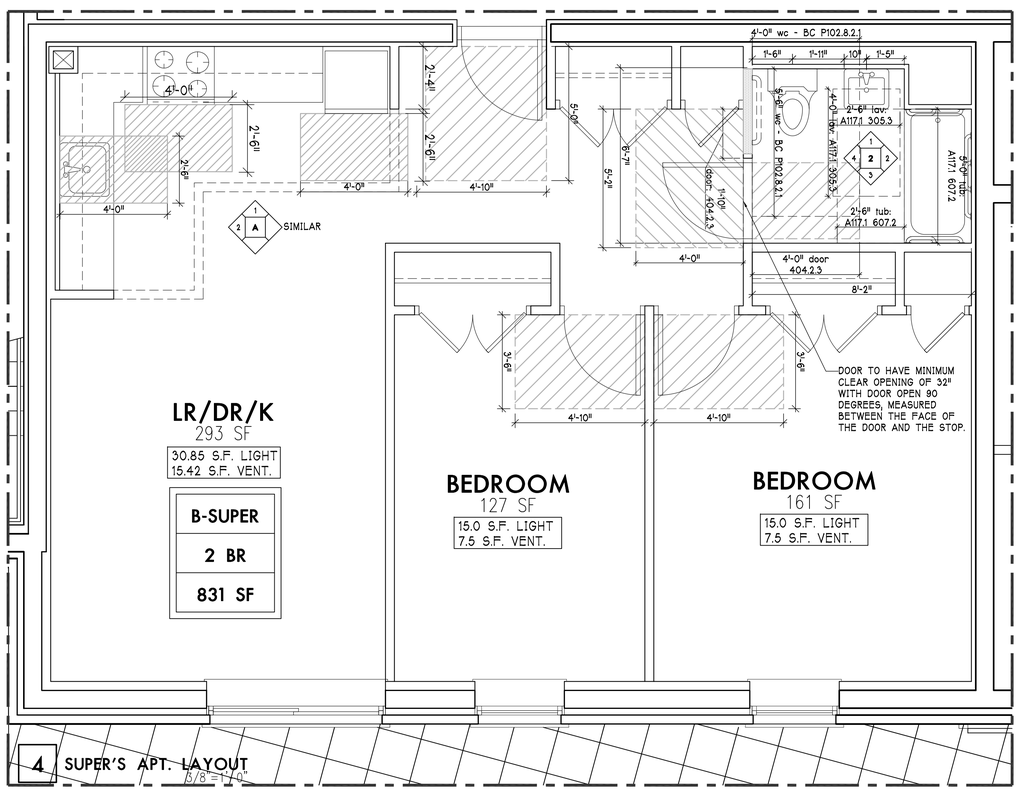


2 TYPICAL UNIT APTS. LAYOUT A, C, E*, G, & J (O.H)
*UNIT E = UFAS UNIT
3/8"=1'-0"



3 TYPICAL UNIT LAYOUT APTS. B, F & H (O.H)
3/8"=1'-0"



4 SUPER'S APT. LAYOUT
3/8"=1'-0"

*1-E UFAS UNIT
*2-J VISION/HEARING IMPARED
*3-G UFAS UNIT
*4-F VISION & HEARING IMPARED
*5-C UFAS UNIT
*6-A UFAS UNIT

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DRAWING TITLE:

TYPICAL UNIT LAYOUTS WITH CLEARANCES

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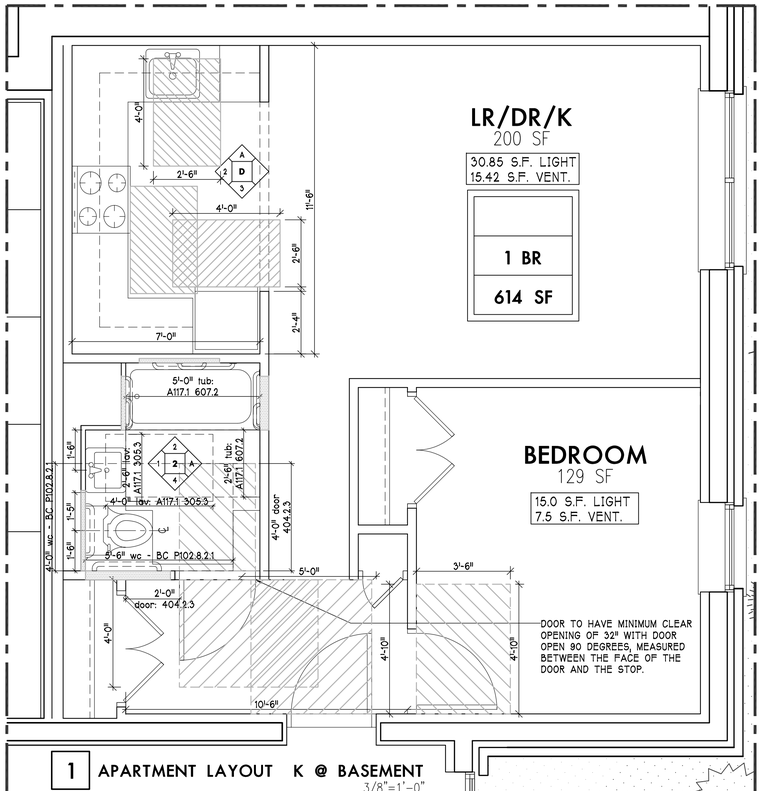
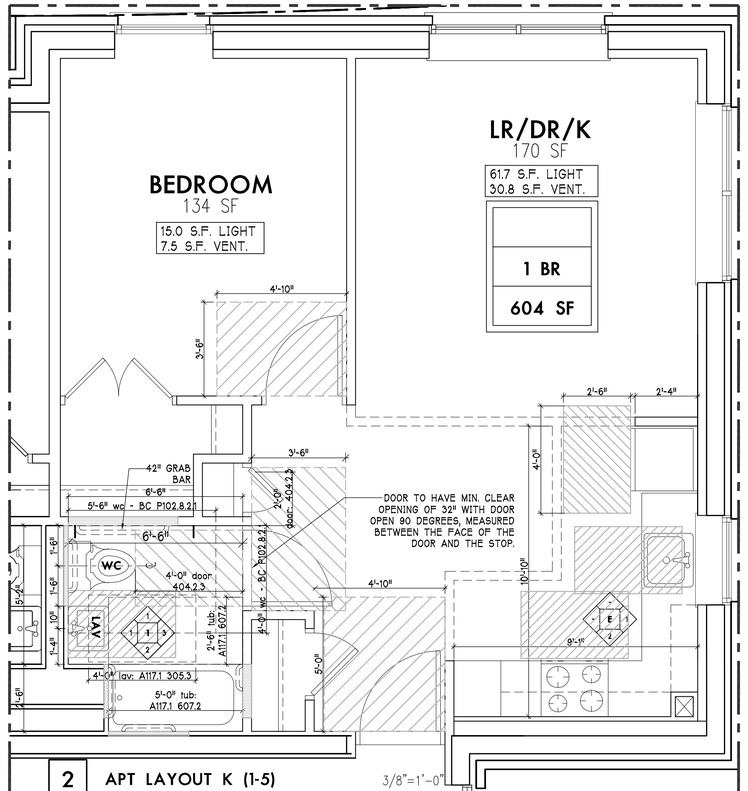
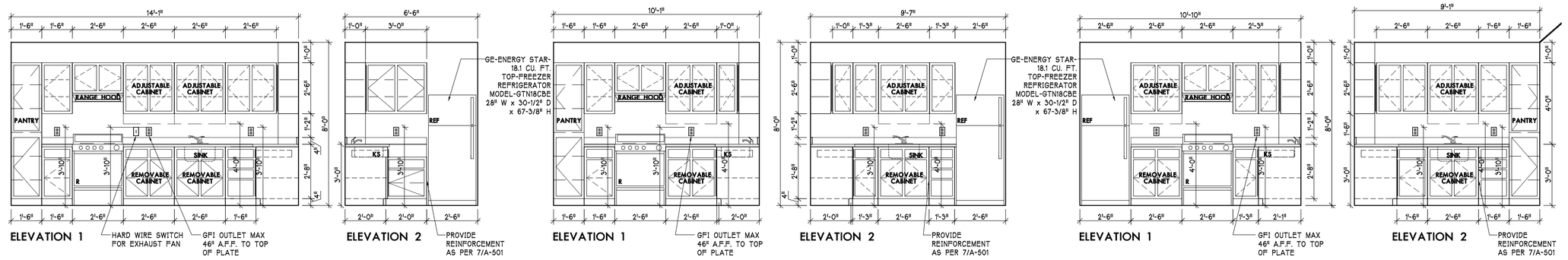


1 APARTMENT LAYOUT K @ BASEMENT
3/8"=1'-0"



2 APT LAYOUT K (1-5)
3/8"=1'-0"

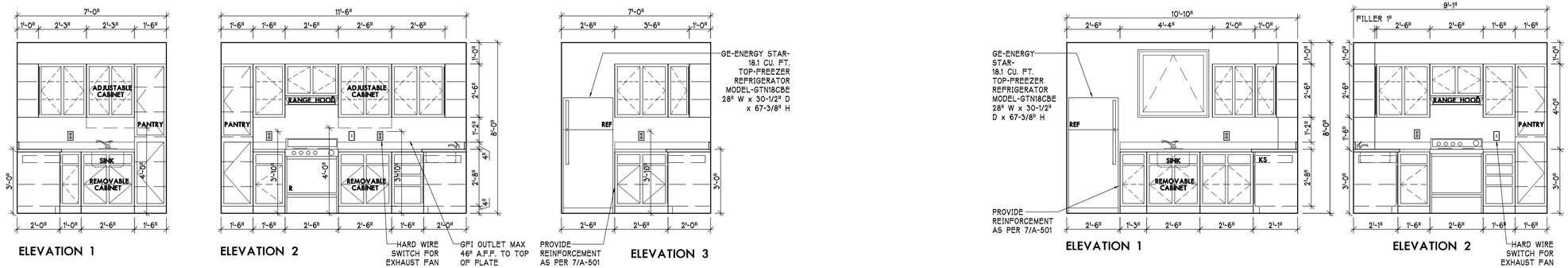


ELEVATION 1 ELEVATION 2 ELEVATION 1 ELEVATION 2 ELEVATION 1 ELEVATION 2

A ADAPTABLE KITCHEN ELEVATIONS @ UNITS B, F, H
3/8"=1'-0"

B ADAPTABLE KITCHEN ELEVATIONS @ UNIT D
3/8"=1'-0"

C ADAPTABLE KITCHEN ELEVATIONS @ UNITS A, C, E, G & J
*UNIT 1-E = UFAS UNIT
3/8"=1'-0"



ELEVATION 1 ELEVATION 2 ELEVATION 3 ELEVATION 1 ELEVATION 2

D ADAPTABLE KITCHEN ELEVATIONS UNIT K @ BASEMENT
3/8"=1'-0"

E ADAPTABLE KITCHEN ELEVATIONS UNIT K (1-5)
3/8"=1'-0"

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PROJECT TITLE:

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BRONX, NY 10458

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DRAWING TITLE:

TYP. UNIT LAYOUTS
KITCHEN ELEVATIONS

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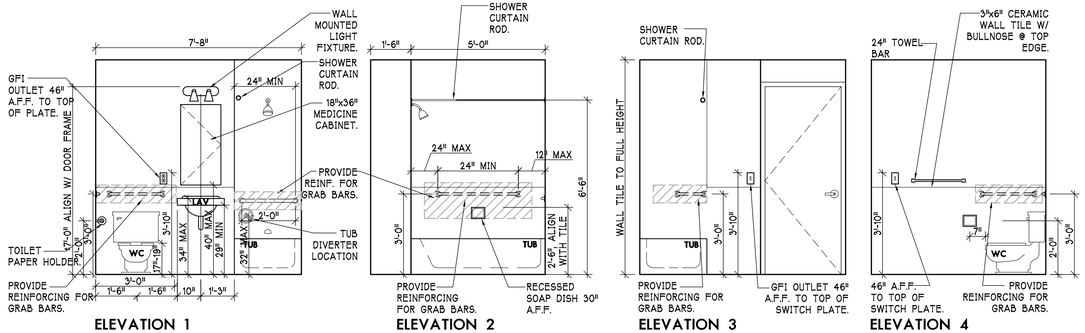
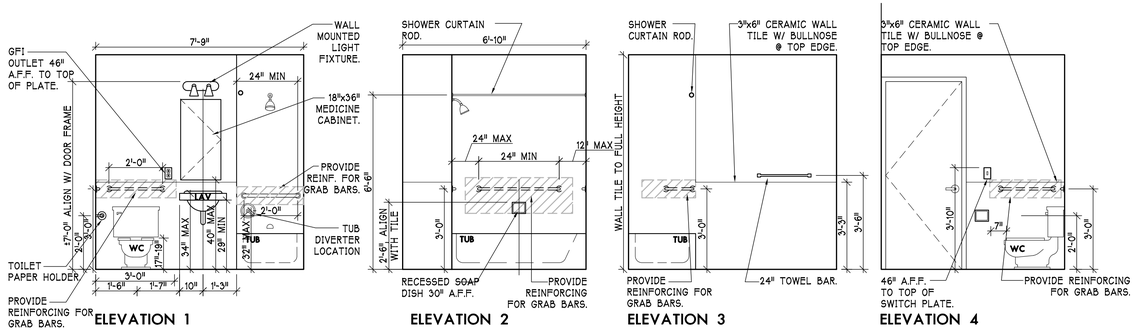


1 BATH ELEVATIONS @ UNITS A, C, D, G, J, K

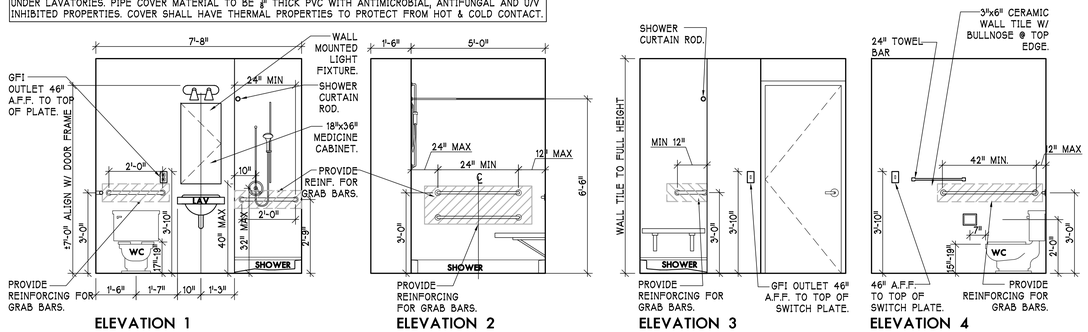
3/8"=1'-0"



2 BATH ELEVATIONS @ UNITS F, H & B

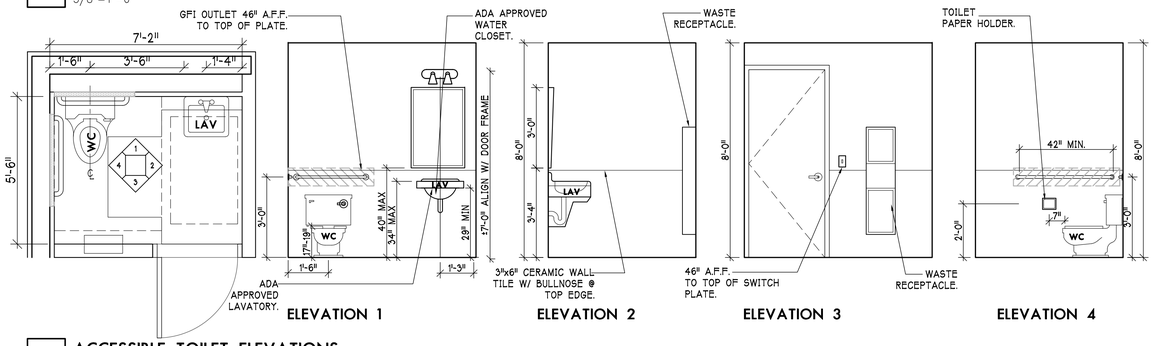
3/8"=1'-0"

NOTE: INSULATE ALL EXPOSED DRAINAGE PIPING INCLUDING HOT, COLD, AND TEMPERED WATER SUPPLIES UNDER LAVATORIES. PIPE COVER MATERIAL TO BE ¼" THICK PVC WITH ANTIMICROBIAL, ANTIFUNGAL AND U/V INHIBITED PROPERTIES. COVER SHALL HAVE THERMAL PROPERTIES TO PROTECT FROM HOT & COLD CONTACT.



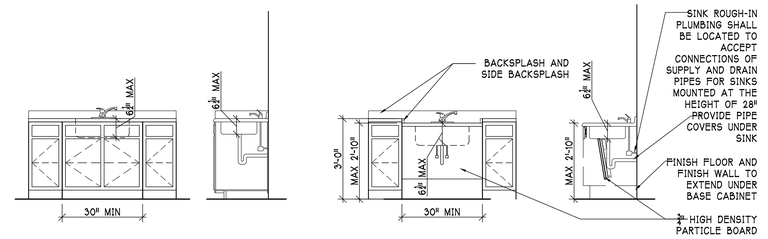
3 UFAS UNIT BATH ELEVATIONS WITH SHOWER (UFAS UNIT E)

3/8"=1'-0"



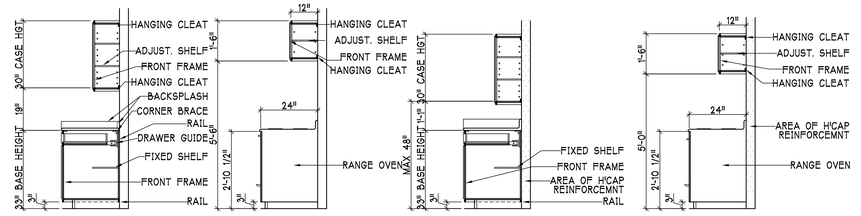
4 ACCESSIBLE TOILET ELEVATIONS @ LOUNGE & RECREATIONAL ROOM

3/8"=1'-0"



A KITCHEN SINK - REMOVAL & HEIGHT ALTERNATIVES

3/8"=1'-0"

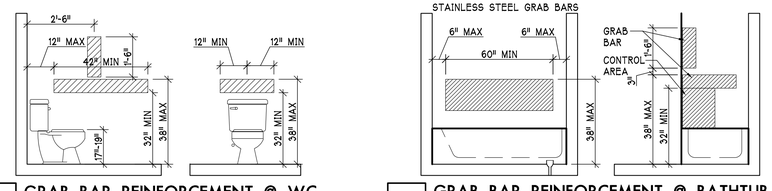


B TYPICAL KITCHEN CABINET DETAILS

3/8"=1'-0"

C ACCESSIBLE KITCHEN CABINET DETAILS

3/8"=1'-0"

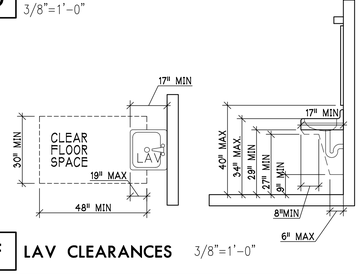


D GRAB BAR REINFORCEMENT @ WC

3/8"=1'-0"

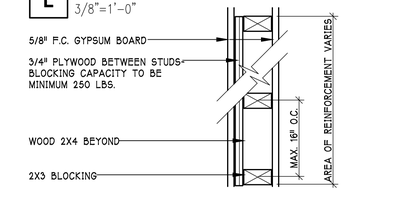
E GRAB BAR REINFORCEMENT @ BATHTUB

3/8"=1'-0"



F LAV CLEARANCES

3/8"=1'-0"



G GRAB BAR REINFORCEMENT

N.T.S

NOTE:
BATHROOM HARDWARE: HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS AND APPLIANCES (INCLUDING LAV AND SHOWER/TUB) SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE.

PROMESA

PROJECT TITLE:

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92 WEST TREMONT AVE.
BRONX, NY 10458

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DRAWING TITLE:

BATH
ELEVATIONS & DETAILS

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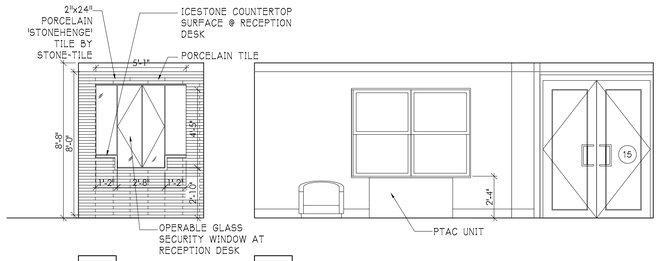
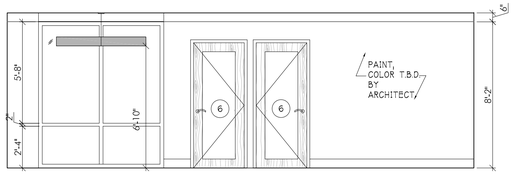
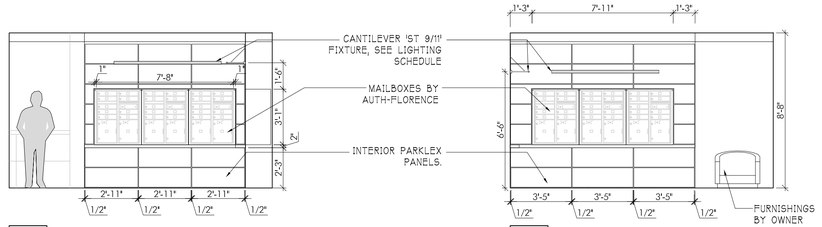


1 VESTIBULE 1/4"=1'-0"

2 LOBBY 1/4"=1'-0"

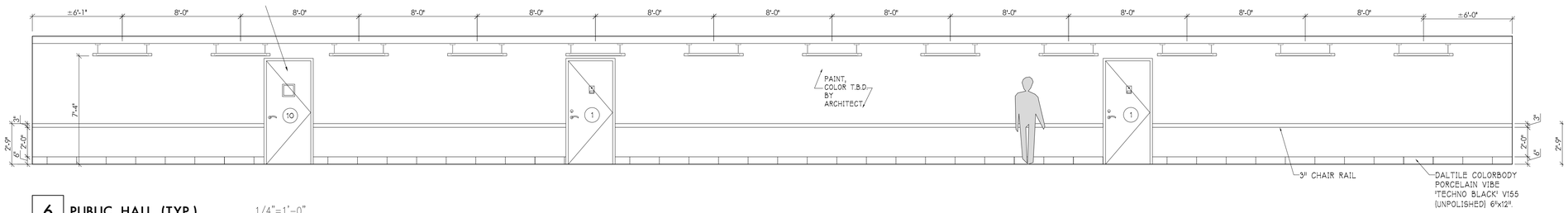


3 LOBBY 1/4"=1'-0"

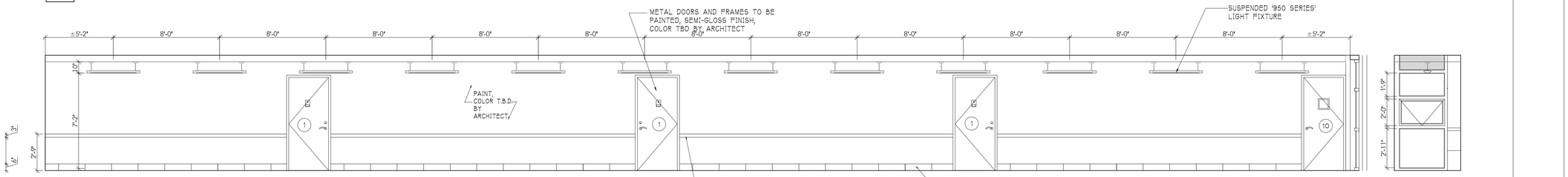


4 LOBBY 1/4"=1'-0"

5 LOBBY 1/4"=1'-0"

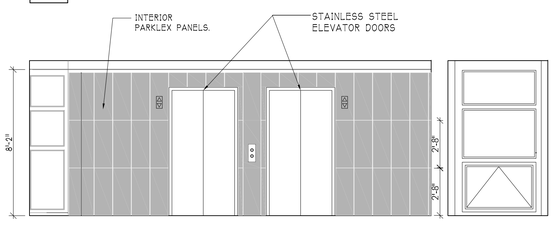


6 PUBLIC HALL (TYP.) 1/4"=1'-0"

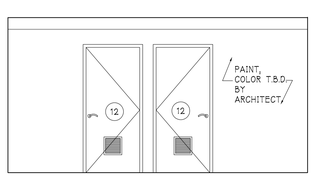


7 PUBLIC HALL (TYP.) 1/4"=1'-0"

8 PUBLIC HALL 1/4"=1'-0"

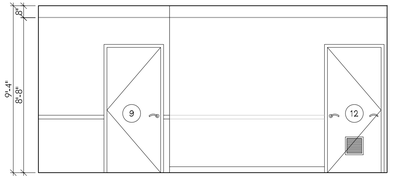


9 ELEVATOR LOBBY @ FIRST FLOOR. 1/4"=1'-0"

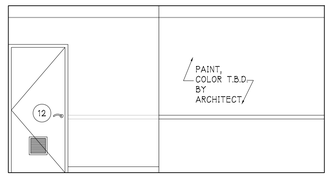


10 ELEVATOR LOBBY 1/4"=1'-0"

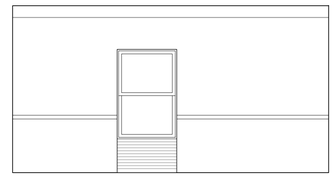
11 ELEVATOR LOBBY 1/4"=1'-0"



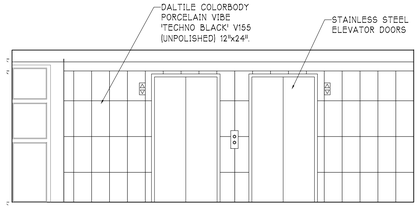
12 LOUNGE 1/4"=1'-0"



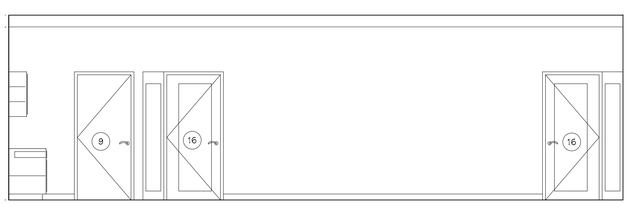
13 LOUNGE 1/4"=1'-0"



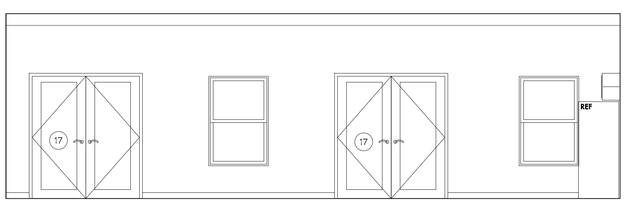
14 LOUNGE 1/4"=1'-0"



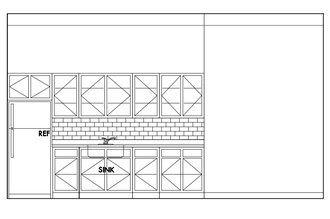
15 TYP. ELEVATOR LOBBY 1/4"=1'-0"



16 RECREATION ROOM @ CELLAR 1/4"=1'-0"



17 RECREATION ROOM 1/4"=1'-0"



18 RECREATION ROOM 1/4"=1'-0"

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DRAWING TITLE:

INTERIOR ELEVATIONS

ARCHITECT:

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SCALE: 1/4"=1'-0"

DRAWING #: A-503.00

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DOOR SCHEDULE

NO.	SIZE	MATERIAL	BUCK	SADDLE	ELEV.	REMARKS
1	3'-0" x 7'-0"	H.M.	H.M.	MARBLE	1	APARTMENT ENTRY; F.P.S.C. 1-1/2 HR. FIRE RATED; PROVIDE INTERVIEWER & CHIME; COMPLY WITH MDL 51-A; SELF-CLOSING
2	2'-10" x 7'-0"	H.C. WOOD	H.M.	MARBLE	2	BATHROOM, BEDROOM
3	1'-8" x 7'-0"	H.C. WOOD	H.M.	NONE	3	TENANT LINEN CLOSETS, AGRIFIBER CORE
4	4'-0" x 7'-0"	H.C. WOOD	H.M.	NONE	4	TENANT CLOSETS; DOUBLE, AGRIFIBER CORE
5	2'-0" x 7'-0"	H.C. WOOD	H.M.	NONE	5	TENANT CLOSET; AGRIFIBER CORE
6	2'-10" x 7'-0"	WOOD/GLASS	WOOD	NONE	6	OFFICE
7	4'-6" x 7'-2"	H.M./GLASS	H.M.	ALUM	7	RECREATION ROOM AND LAUNDRY; WITH SIDELIGHT
8	6'-8" x 7'-0"	H.M./GLASS	H.M.	MARBLE	8	ENTRY AT SUPER'S APT; SLIDING
9	3'-0" x 7'-0"	H.M.	H.M.	MARBLE *	9	TOILET, PUBLIC UTILITY
10	3'-0" x 7'-0"	H.M.	H.M.	ALUM	10	PUBLIC STAIR; MIN. 100 SQ.IN. VISION GLASS; SELF-CLOSING; F.P.S.C. 1-1/2 HR. FIRE RATED
11	3'-0" x 7'-0"	H.M.	H.M.	ALUM	11	PUBLIC STAIRS; MIN. 100 SQ.IN VISION GLASS; EMERGENCY PUSH BAR; SELF-CLOSING; F.P.S.C. 1-1/2 HR. RATED
12	3'-0" x 7'-0"	H.M.	H.M.	NONE	12	UTILITY ROOMS; WITH LOUVER; SELF-CLOSING; F.P.S.C. 1-1/2 HR. FIRE RATED
12A	3'-2" x 7'-0"	H.M.	H.M.	NONE	12A	RECYCLING/REFUSE ROOM; WITH LOUVER; SELF-CLOSING; F.P.S.C. 1-1/2 HR. FIRE RATED
13	3'-0" x 7'-0"	H.M.	H.M.	ALUM	13	ELECTRICAL CLOSETS; WITH LOUVER; DOUBLE, F.P.S.C. 1-1/2 HR. FIRE RATED
14	6'-0" x 7'-0"	H.M.	H.M.	ALUM	14	UTILITY ROOMS, BASEMENT, METER RMS, BOILER RM; SELF-CLOSING; F.P.S.C. 1-1/2 HR. FIRE RATED; DOUBLE
15	5'-4" x 7'-0"	H.M./GLASS	H.M.	ALUM	15	LOBBY; DOUBLE
16	6'-4" x 11'-7"	ALUM/GLASS	ALUM	ALUM	16	STOREFRONT; BUILDING ENTRY AT CELLAR; GREEN ROOF ACCESS; DOUBLE
17	6'-4" x 11'-7"	ALUM/GLASS	ALUM	ALUM	17	REAR YARD TERRACE ACCESS; RECREATION RM.
18	5'-0" x 7'-2"	ALUM/GLASS	ALUM	ALUM	18	STORE FRONT; BUILDING ENTRY AT BASEMENT; DOUBLE

DOOR NOTES:

- PROVIDE BAKED OR FACTORY-PAINTED NEW ALUMINUM ENTRY DOORS WITH HARDWARE, FRAMES, TRANSOM AND WITH 1/4" THICK LAMINATED SAFETY GLASS. CAULK UNDER SADDLES AND PROVIDE NEW COMPRESSIBLE NEOPRENE SPONGE WEATHERSTRIPPING.
- PROVIDE FACTORY-FINISHED NEW 14 GAUGE STEEL ENTRY AND VESTIBULE DOORS WITH HARDWARE, FRAMES, TRANSOM AND WITH 1/4" LAMINATED SAFETY GLASS FOR DOOR AND SIDELITES.
- PROVIDE SELF CLOSING DEVICES ON ALL APARTMENT ENTRY DOORS AND ALL DOORS OPENING ONTO A STAIRWELL
- PROVIDE AND PAINT NEW ALUMINUM VESTIBULE DOOR WITH HARDWARE, FRAMES, TRANSOM AND WITH 1/4" THICK WIRE GLASS FOR DOOR AND SIDELITES.
- PROVIDE AND PAINT KNOCK DOWN HOLLOW METAL FRAMES FOR ALL INTERIOR HOLLOW METAL DOORS.
- PROVIDE AND PAINT WOOD FRAMES FOR ALL INTERIOR WOOD DOORS.
- CAULK UNDER SADDLES AND PROVIDE NEW COMPRESSIBLE NEOPRENE SPONGE WEATHERSTRIPPING AT ALL EXTERIOR DOORS.
- FOR ALL HANDICAPPED ACCESSIBLE DOORWAYS, PROVIDE HANDICAPPED ACCESSIBLE SADDLES AND HANDICAPPED COMPLIANT HARDWARE.
- PROVIDE TEMPERED SAFETY GLASS AT ALL DOORS RECEIVING GLAZING.
- ALL DIMENSIONS TO BE VERIFIED IN THE FIELD.
- ALL BUILDING ENTRY DOORS MUST HAVE 5 SQ. FT. MIN. GLAZED PANEL.
- ENTRANCE DOORS AS PER MDL 35, 50(a) & 51(a).
- SEE SPECIFICATION FOR HARDWARE SET.

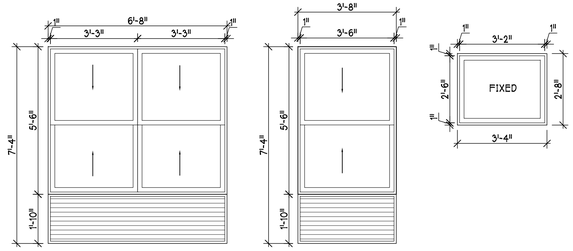
WINDOW SCHEDULE

NOTE: ALL WINDOWS SHALL BE DOUBLE GLAZED W/ LOW-E GLASS AND ARGON FILLED

WIN.	MASONRY OPENING W x H	B.S.B. W x H	LIGHT AREA S.F.	VENT. AREA S.F.	MAT.	TYPE	REMARKS
A	6'-8" x 7'-0"	5'-10" x 5'-4"	31.11	15.55	ALUMINUM	D.H.	ALL FLOORS, APARTMENTS
B	3'-6" x 7'-0"	3'-0" x 5'-4"	16.0	8.0	ALUMINUM	D.H.	ALL FLOORS, APARTMENTS
C	3'-4" x 2'-8"	3'-2" x 2'-6"	6.16	--	ALUMINUM	FIXED	ALL FLOORS, STAIRWELLS

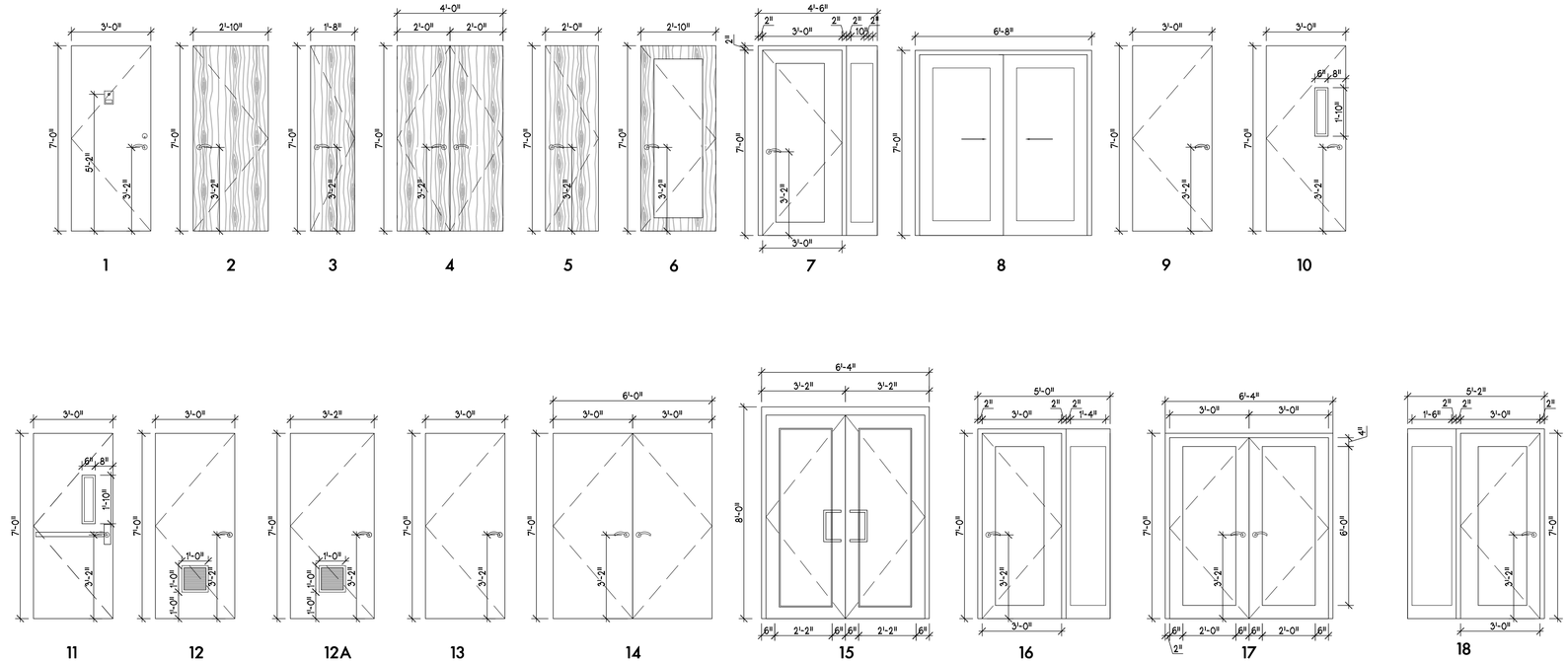
WINDOW NOTES:

- PROVIDE NEW ALUMINUM DOUBLE-HUNG AND CASEMENT WINDOWS W/ INSECT SCREENS THROUGHOUT (TYPICAL).
- PROVIDE CLEAR INSULATING GLASS FOR ALL APARTMENT WINDOWS, EXCEPT OBSCURE GLASS FOR BATHS AND LAVATORY WINDOWS.
- PROVIDE 1/4" WIREGLASS FOR PUBLIC HALL AND LOT LINE BATHROOM WINDOWS.
- COMPLY WITH LIGHT & VENTILATION PER SEC. BC 1203.4 & BC 1205.2.1
- INSULATING GLASS UNITS TO BE LOW-E, 95% ARGON FILLED GLAZING CAVITY.
- ALL WINDOWS AT TREMONT FACADE TO HAVE GLAZING TO BE 1/4"CLEAR ANNEALED OVER 1/8" LOW E SOLAR BAN 60 WITH ARGON GAS.. MASTER FRAME TO BE WRAPPED WITH 3" FOAM MINERAL WRAP.



A B C

2 WINDOW ELEVATIONS 3/8"=1'-0"



1 DOOR ELEVATIONS 3/8"=1'-0"

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4	CONTRACT SET	06/18/2013

DRAWING TITLE:

DOOR & WINDOW SCHEDULE

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SCALE: AS NOTED

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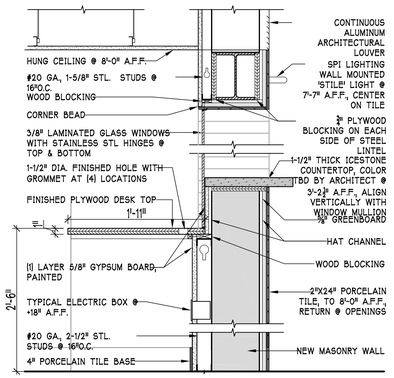
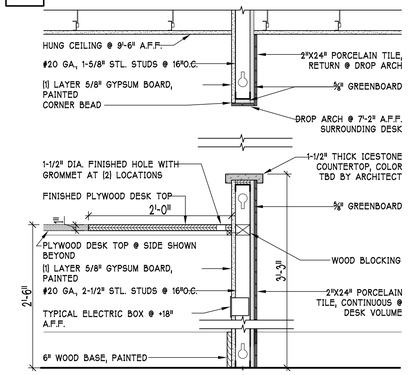


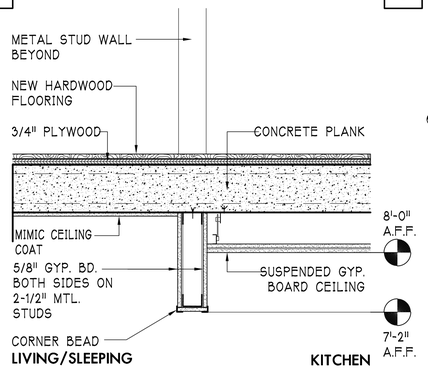
1 FRONT DESK DETAIL

1"=1'-0"



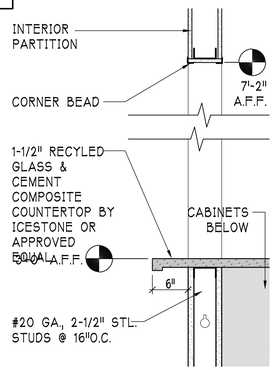
2 DESK DETAIL @ FIRST FLOOR

1"=1'-0"



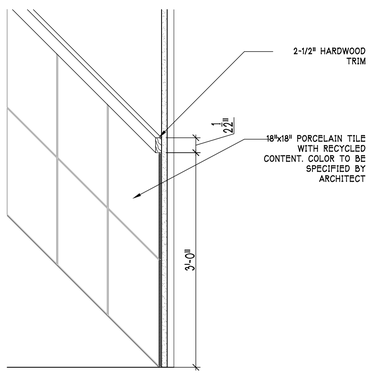
3 DROP ARCH DETAIL

1"=1'-0"



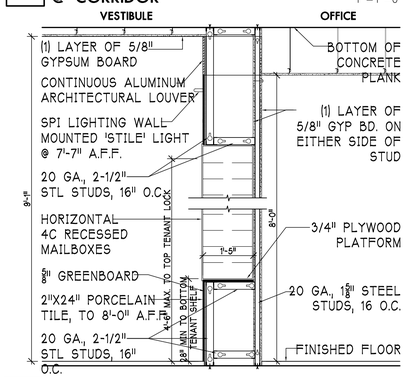
4 PASS-THRU WINDOW @ COMMUNITY KITCHEN

1"=1'-0"



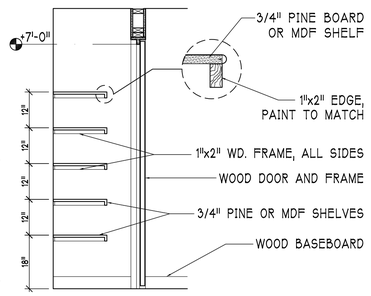
5 SECTION THROUGH WAINSCOTTING @ CORRIDOR

1"=1'-0"



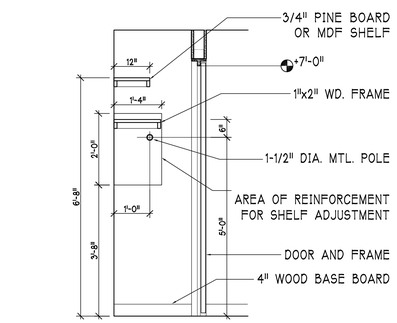
6 MAILBOX

1/2"=1'-0"



7 LINEN CLOSET DETAIL

1/2"=1'-0"



8 CLOSET DETAIL

1/2"=1'-0"

FINISH SCHEDULE

USE	FL	ROOM	FLOOR		BASE		WAINSCOT		WALLS		CEILING			REMARKS
			MATERIAL	COLOR	MATERIAL	COLOR	MATERIAL	COLOR	MATERIAL	COLOR	MATERIAL	COLOR	HEIGHT	
COMMON	1	VESTIBULE	PT-1 / PT-2		-		PT-2/WD		PT-3		GYP-P	P1		
	1	MAIN LOBBY/MAIL	PT-1 / PT-2		-		PT-2/WD		GYP-P	P2	GYP-P	P1		
	C-6	PUBLIC CORRIDOR	PT-1		-		PT-2/WD		GYP-P	P2	GYP-P	P1		
	C-6	ELEV. LOBBY	PT-1		-		-		AL-1		GYP-P	P1		
	C-R	STAIR A	CONC		-		NONE		GYP-P	P3	CONC-P	P3	6'-8" MIN	P4 PAINT @ RAILINGS & STRINGERS
	C-R	STAIR B	CONC		-		NONE		GYP-P	P3	CONC-P	P3	6'-8" MIN	P4 PAINT @ RAILINGS & STRINGERS
	B-6	TRASH ROOM	PT-2		PT-1		PT-2		GYP-P	P2	GYP-P	P1		
OFFICE	1	OFFICE	WD	W-2	WB-2		NONE		GYP-P	P5	GYP-P	P6		
	1	SECURITY	WD	W-2	WB-2		NONE		GYP-P	P5	GYP-P	P6		
TENANT PUBLIC	C-B	PUBLIC RESTROOM	CT-3		-		CT-4		GYP-P	P8	GYP-P	P10		SEE BATHROOM ELEVATIONS
	B	LOUNGE	WD	W-2	WB-2		NONE		GYP-P	P9	GYP-P	P10		
	C	RECREATION ROOM	WD	W-1	WB-1		CT-7 BACKSPLASH		GYP-P	P9	GYP-P	P10		SEE KITCHEN ELEVATIONS
	B	LAUNDRY ROOM	QT-1		QT-1		NONE		GYP-P	P12	GYP-P	P4		
TYPICAL APT.	B-6	LIV/DIN	WD	W-1	WB-1		NONE		GYP-P	P11	CONC-P	P12		
	B-6	KITCHENETTE	WD	W-1	WB-1		CT-8 BACKSPLASH		GYP-P	P11	GYP-P	P12		SEE KITCHEN ELEVATIONS
	B-6	BEDROOM	WD	W-1	WB-1		NONE		GYP-P	P11	GYP-P	P12		
	B-6	BATHROOM	CT-5		-		CT-6		GYP-P	P11	GYP-P	P12		SEE BATHROOM ELEVATIONS
	B-6	CLOSETS	WD	W-1	WB-1		NONE		GYP-P	P11	GYP-P	P12		
AUXILLIARY	B	MAINT. OFFICE	CONC	S1	NONE		NONE		CMU-P	P13	CONC-P	P13		
	B	UTILITY ROOMS	CONC	S1	NONE		NONE		CMU-P	P13	CONC-P	P13		
	C	BUILDING STORAGE	CONC	S1	NONE		NONE		CMU-P	P13	CONC-P	P13		
	C	REFUSE ROOM	CONC	S1	NONE		NONE		CMU-P	P13	CONC-C	P13		
	C-6	JANITOR'S CLOSET	QT-1		QT-1		QT-1		GYP-P	P-13	GYP-P	P13		
	B	ELEVATOR MACH RM	QT-1		QT-1		NONE		GYP/CMU-P	P13	GYP-P	P13		
	C	BOILER ROOM	CONC	S1	NONE		NONE		GYP-P	P13	GYP-P	P13		

FINISH COLOR LEGEND

ABBREV.	MATERIAL	MANUFACTURER	NUMBER	COLOR NAME/FINISH	REMARKS
P1	PAINT	SHERWIN-WILLIAMS	RM WHITE	WHITE/PEARL FINISH	PAINTS TO BE CHOSEN BY ARCHITECT FROM ENTIRE SERIES OF "SHERWIN-WILLIAMS" COLOR COLLECTION. ALL PAINTS TO BE LOW-VOC, GREENGUARD RATED. PROGREEN 200 OR BETTER.
P2	PAINT	SHERWIN-WILLIAMS	SW 6917	NERVY HUE/SEMI GLOSS	
P3	PAINT	SHERWIN-WILLIAMS	SW 3163	GRASSLAND/PEARL FINISH	
P4	PAINT	SHERWIN-WILLIAMS	SW 0077	CLASSIC FRENCH GRAY/SEMI GLOSS	
P5	PAINT	SHERWIN-WILLIAMS	TBD	TBD	
P6	PAINT	SHERWIN-WILLIAMS	TBD	TBD/FLAT FINISH	
P7	PAINT	SHERWIN-WILLIAMS	TBD	TBD	
P8	PAINT	SHERWIN-WILLIAMS	TBD	TBD	
P9	PAINT	SHERWIN-WILLIAMS	TBD	TBD	
P10	PAINT	SHERWIN-WILLIAMS	TBD	TBD/FLAT FINISH	
P11	PAINT	SHERWIN-WILLIAMS	TBD	TBD	
P12	PAINT	SHERWIN-WILLIAMS	TBD	TBD/FLAT FINISH	
P13	PAINT	SHERWIN-WILLIAMS	TBD	TBD/FLAT FINISH	
PT-1	PORCELAIN TILE	DALTILE	V151	VIBE 'TECHNO GRAY'	E
PT-2	PORCELAIN TILE	DALTILE	V155	VIBE 'TECHNO BLACK'	(UNPOLISHED); 24"x24" @ 1ST FLOOR; 12"x24" @ WAINSCOT
PT-3	PORCELAIN TILE	DALTILE	TDB	TDB	UNPOLISHED 2X24
S1	PAINT	BENJAMIN MOORE	TBD	TBD	CONCRETE SEALER
CT-1	CERAMIC TILE	COVERINGS ECT	TBD	CARBON	1"x1"; ECO GRES MOSAIC
CT-2	CERAMIC TILE	DALTILE	K775-MT	MATTE BISCUIT	3"x6"
CT-3	CERAMIC TILE	DALTILE	TBD	TBD	1"x1"
CT-4	CERAMIC TILE	DALTILE	TBD	TBD	3"x6"
CT-5	CERAMIC TILE	DALTILE	TBD	TBD	1"x1"
CT-6	CERAMIC TILE	DALTILE	TBD	TBD	3"x6"
CT-7	CERAMIC TILE	DALTILE	TBD	TBD	1"x1"
CT-8	CERAMIC TILE	DALTILE	TBD	TBD	1"x1"
QT-1	QUARRY TILE	DALTILE	TBD	TBD	6"x6"
W-1	WOOD FLOOR	SMITH & FONG	PLYBOO PURE	AMBER	BAMBOO FLOORING: PRE-FINISHED, UREA-FORMALDEHYDE FREE, FSC CERTIFIED
W-2	WOOD FLOOR	SMITH & FONG	PLYBOO PURE	FOUNDATION BROWN STAIN	BAMBOO FLOORING: PRE-FINISHED, UREA-FORMALDEHYDE FREE, FSC CERTIFIED
WB-1	WOOD BASE	DYKE'S MOULDING	TBD	TBD	4"
WB-2	WOOD BASE	DYKE'S MOULDING	TBD	TBD	6"

PROMESA

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3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

FINISH SCHEDULE AND DETAILS

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SCALE: AS NOTED

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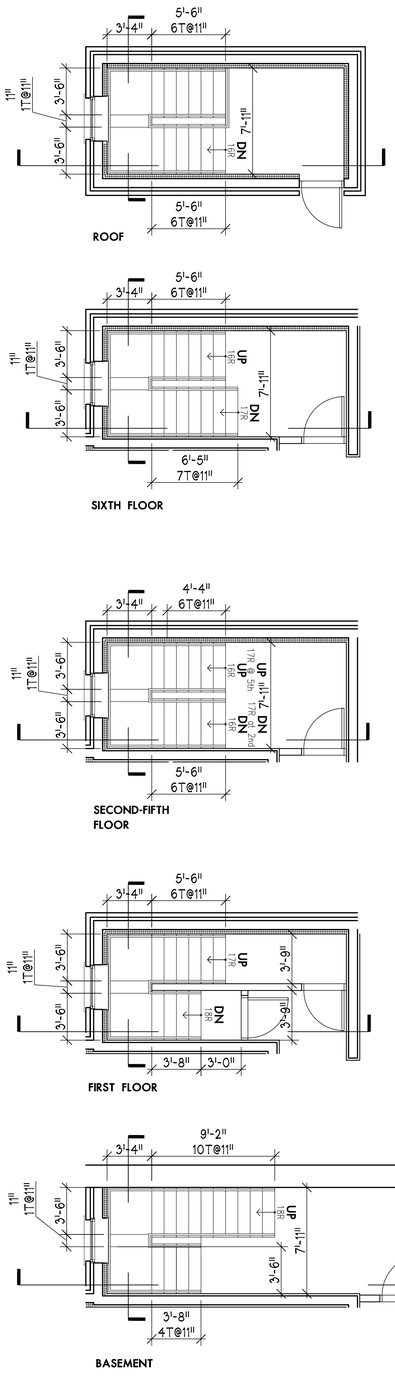
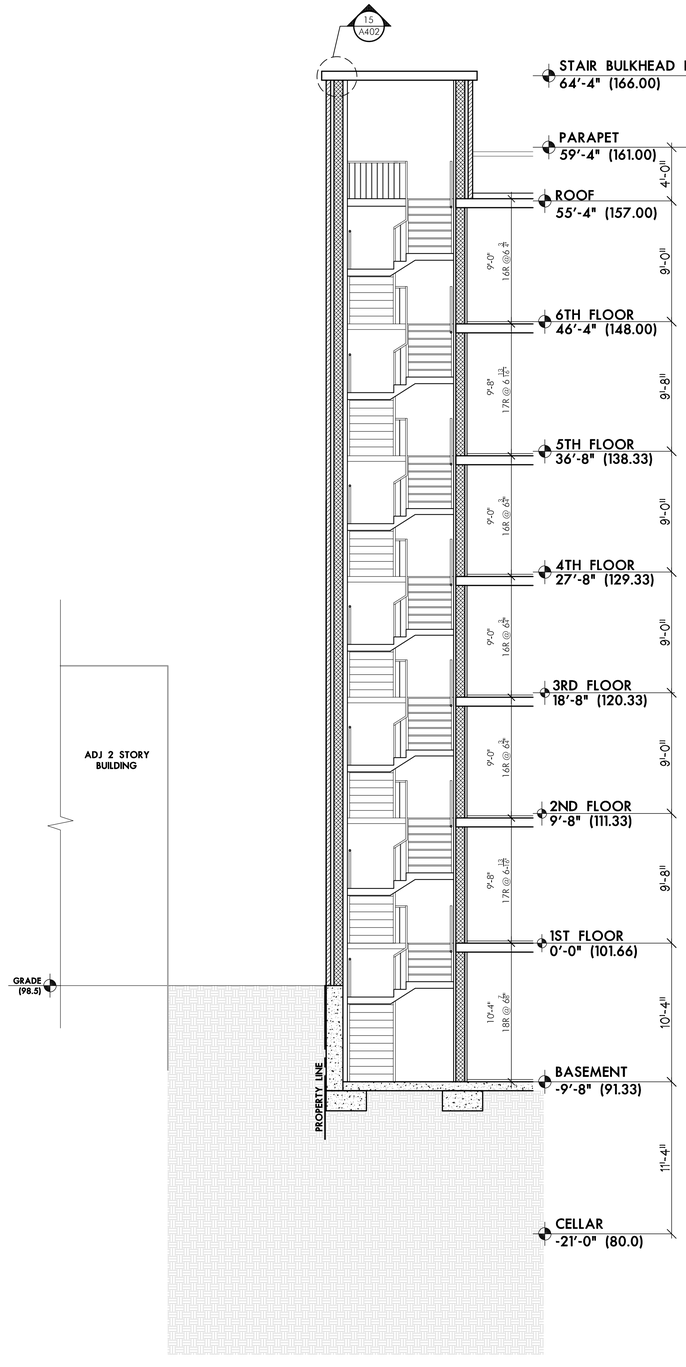


1 FIRE STAIR A 3/16"=1'-0"



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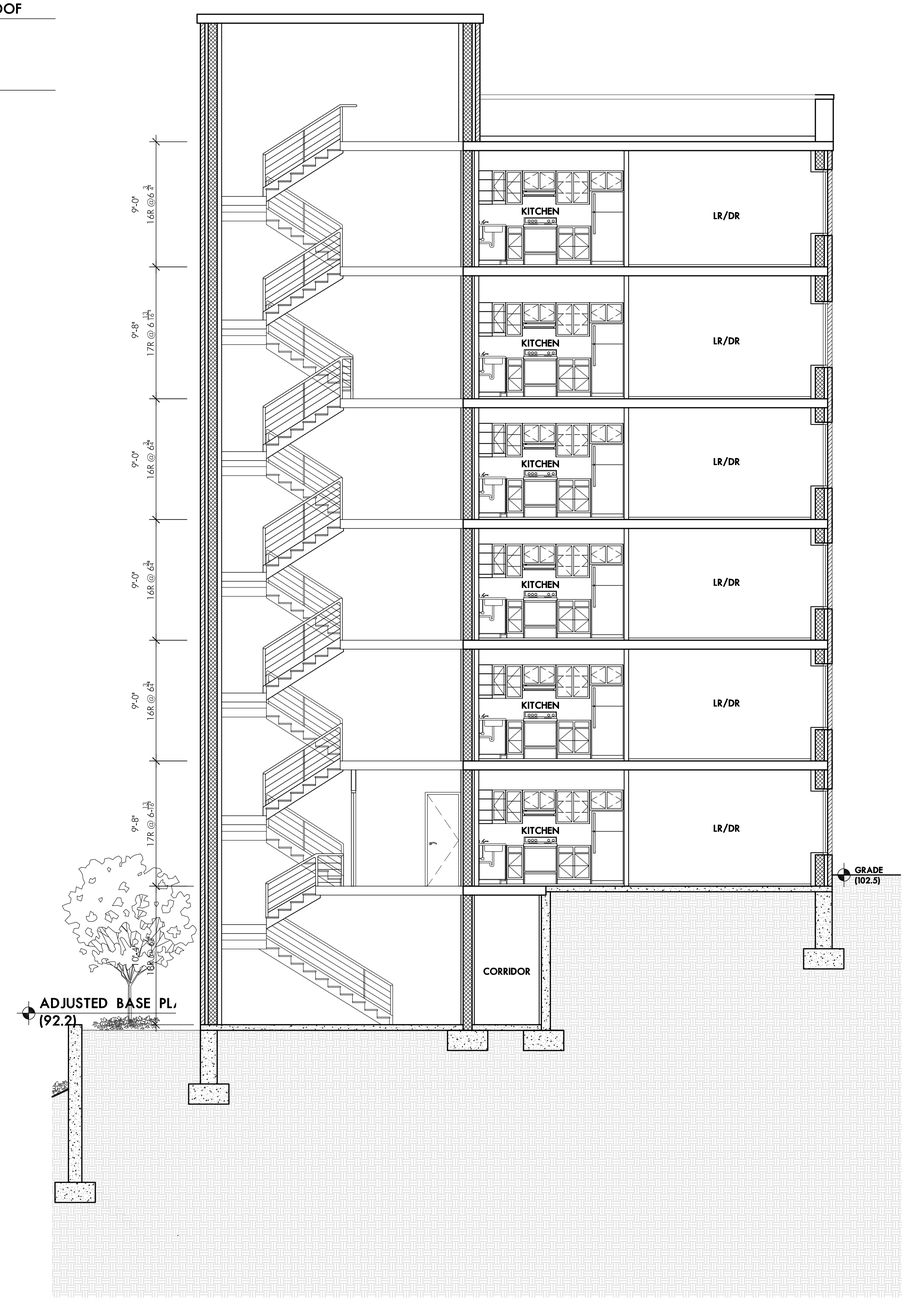

3 FIRE STAIR A 3/16"=1'-0

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DRAWING TITLE:
STAIR PLANS & SECTIONS

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JOB #: 09J06
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SCALE: 3/16"=1'-0"

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A-700.00

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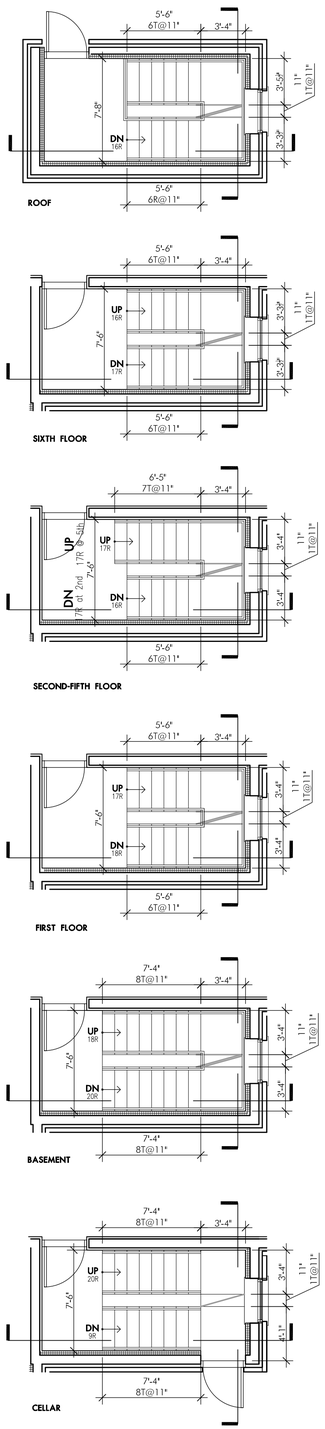

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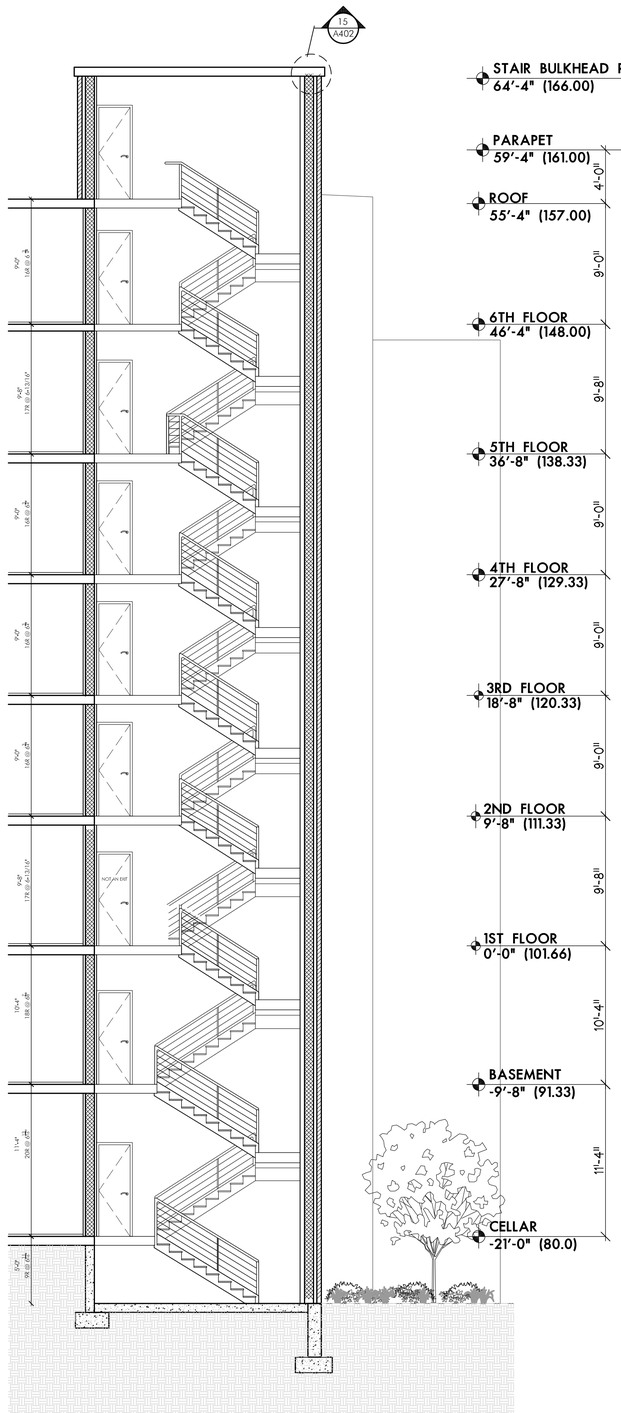

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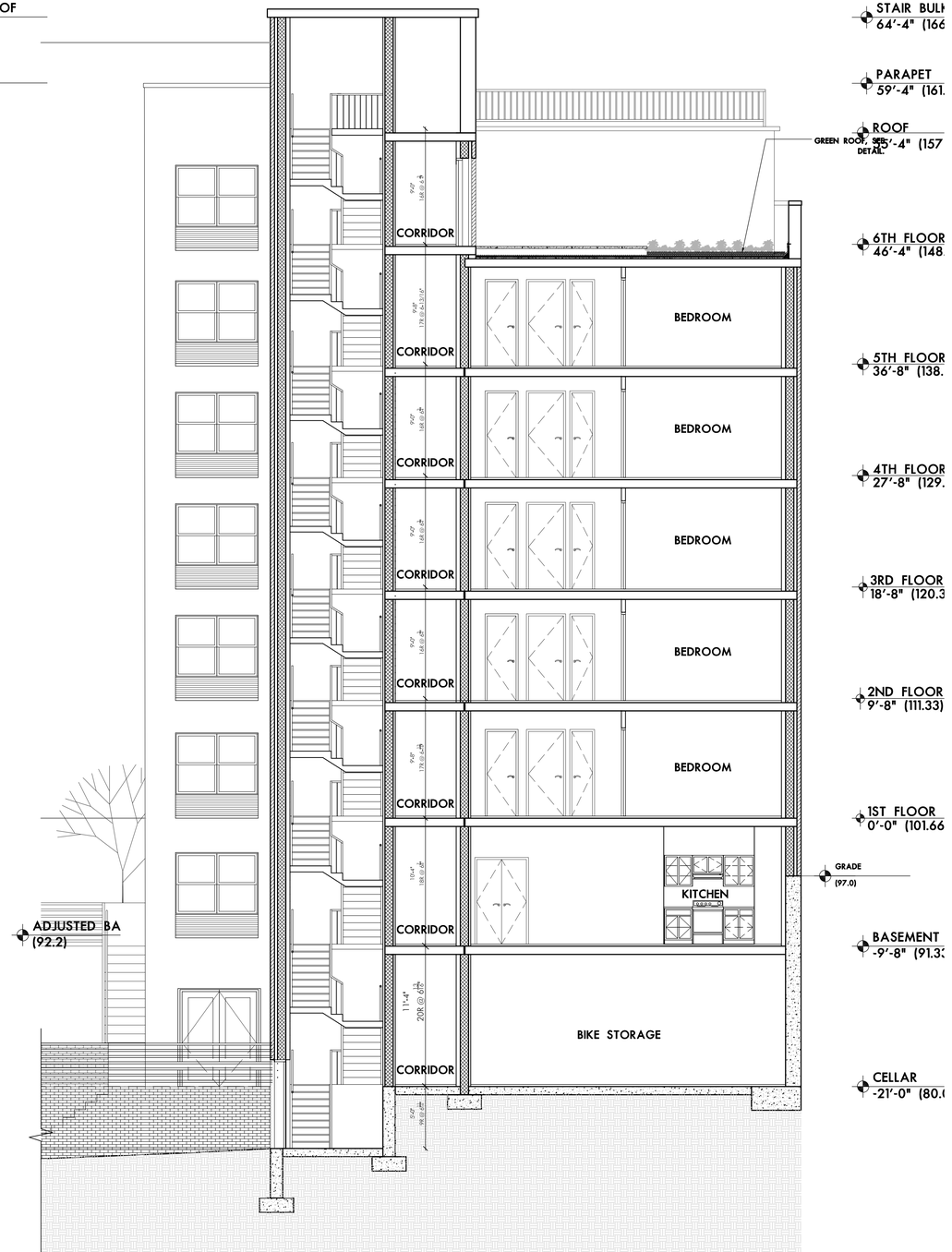

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t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

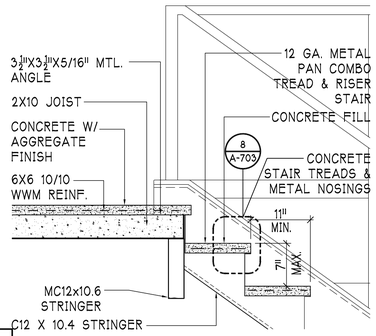
SCALE: 1/8"=1'-0"

DRAWING #:

A-701.00

PAGE #:

220177350



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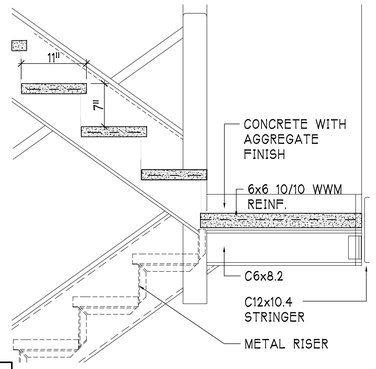
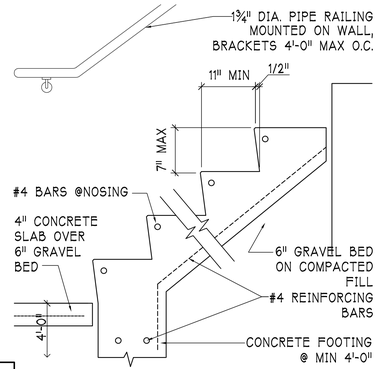
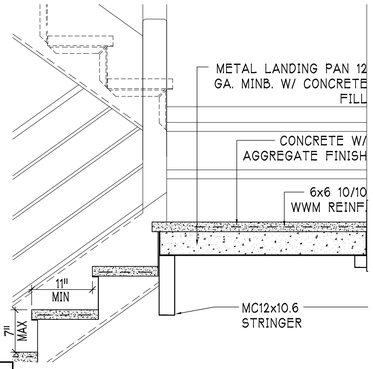


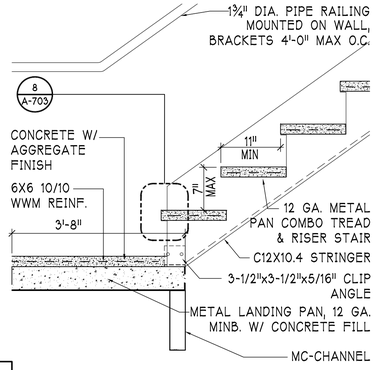
3 PUBLIC HALL STAIR @ TYP FL 1"=1'-0"



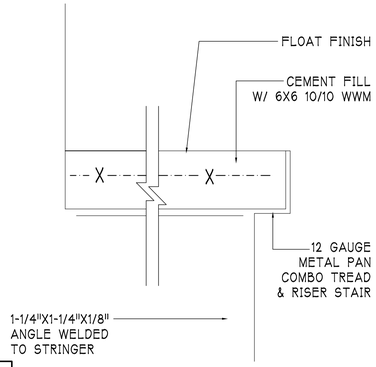
4 CONCRETE STAIR DETAIL @ CELLAR 1"=1'-0"



5 PUBLIC HALL STAIR 1"=1'-0"



2 PUBLIC HALL STAIR (TYP) 1"=1'-0"



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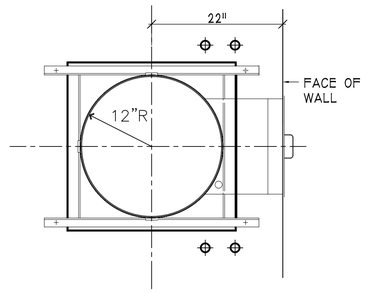
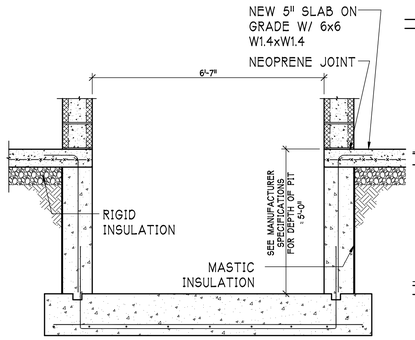
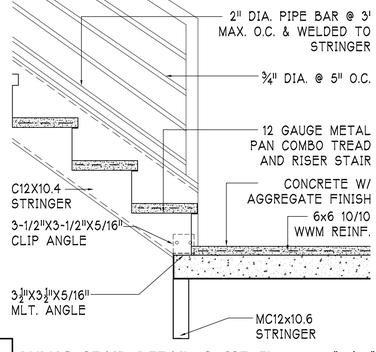


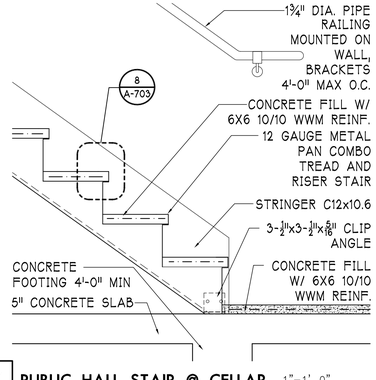
9 TRASH CHUTE PLAN 1"=1'-0"



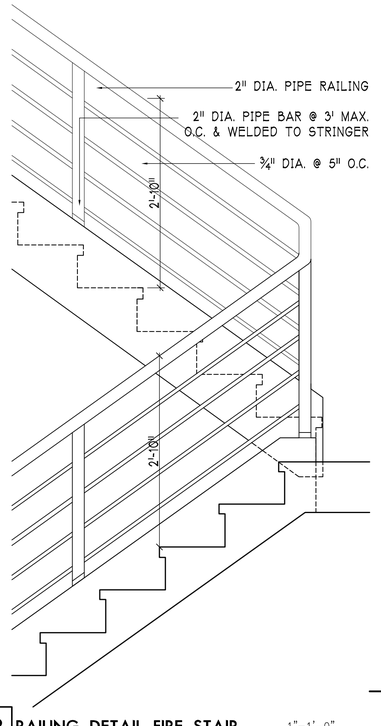
10 ELEVATOR PIT DETAIL 1/2"=1'-0"



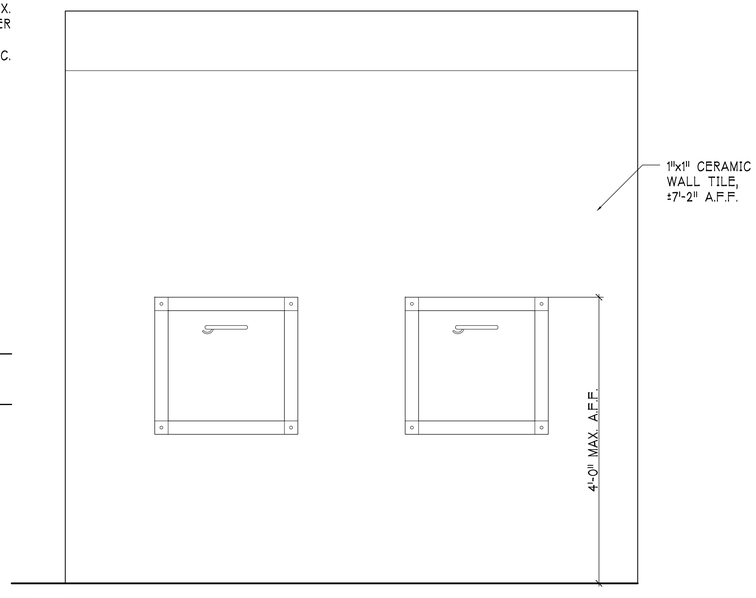
6 PUBLIC STAIR DETAIL @ 1ST FL 1"=1'-0"



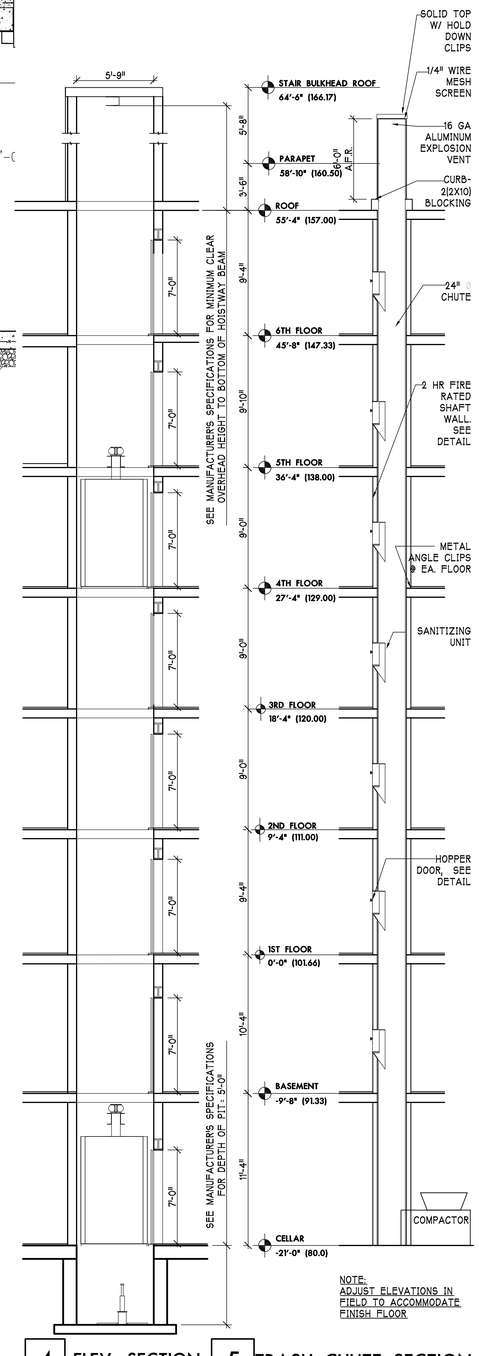
7 PUBLIC HALL STAIR @ CELLAR 1"=1'-0"



12 RAILING DETAIL FIRE STAIR 1"=1'-0"



13 TRASH CHUTE ELEVATION 1"=1'-0"



4 ELEV. SECTION 3/16"=1'-0"

5 TRASH CHUTE SECTION 3/16"=1'-0"

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

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NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

ELEVATOR, TRASH CHUTE & STAIR DETAILS

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DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

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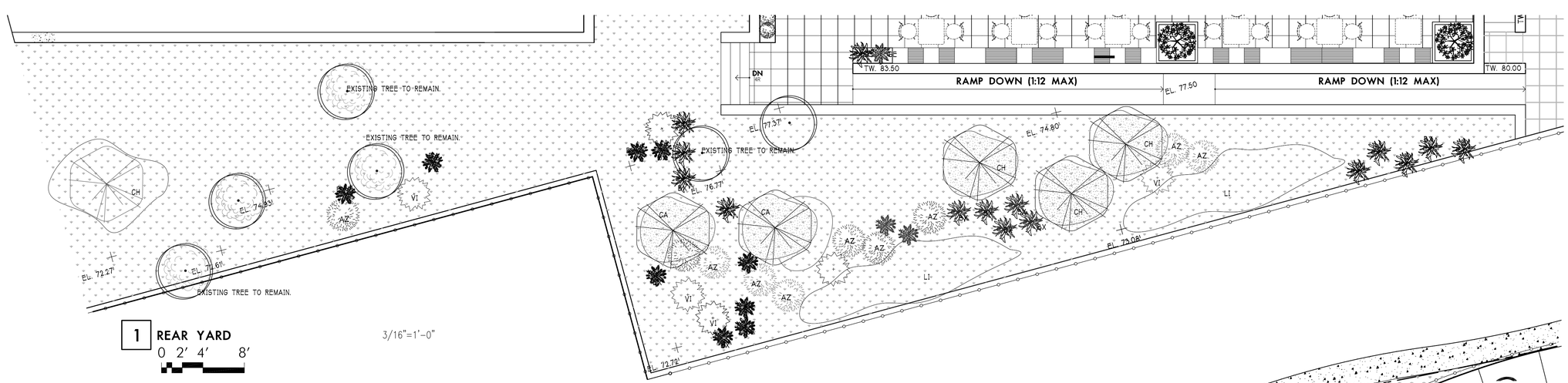
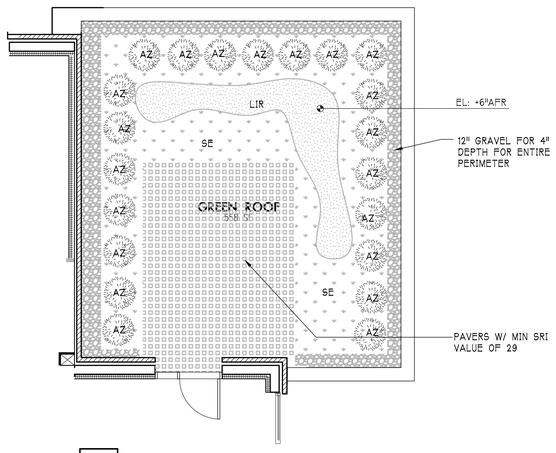


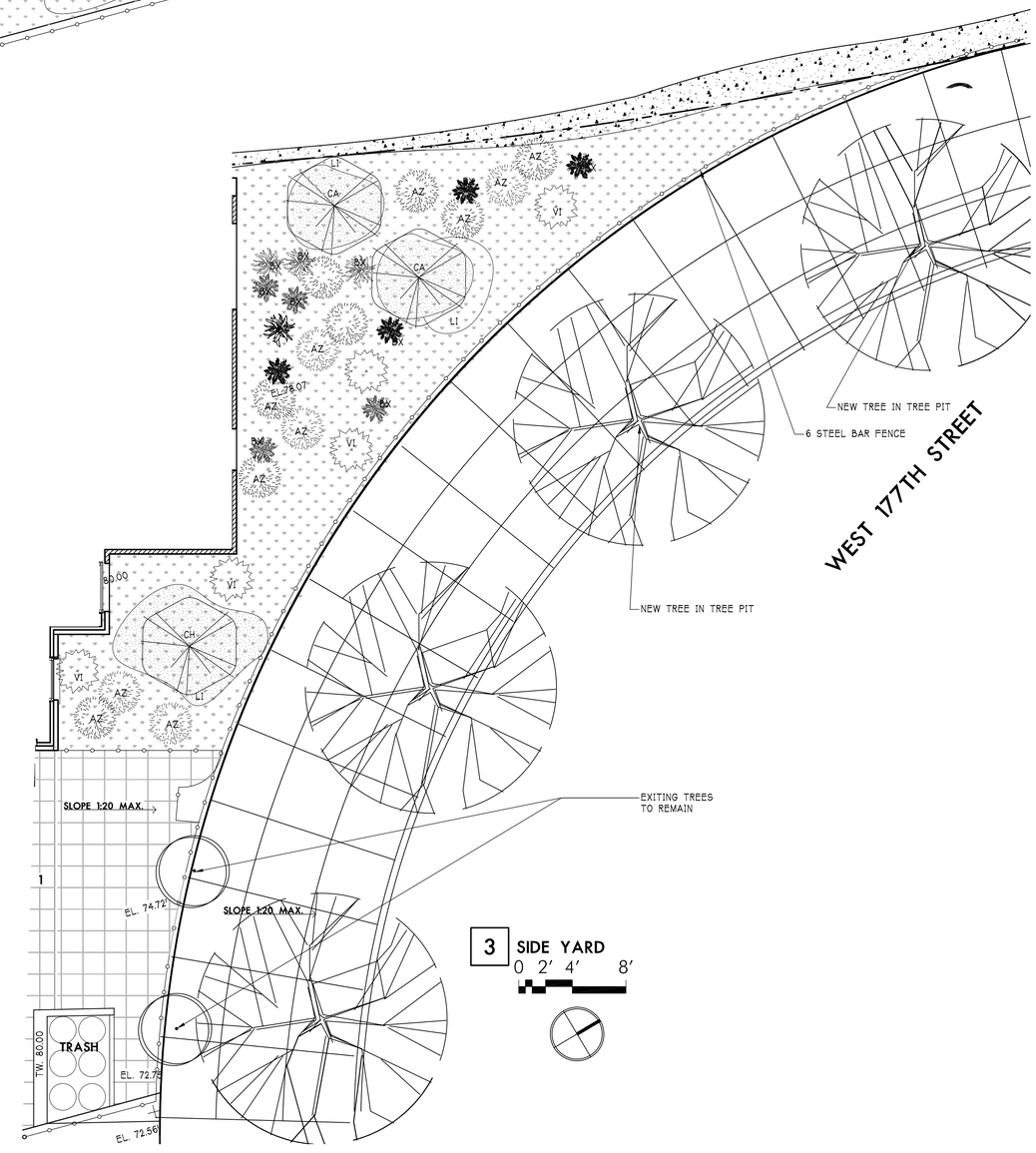
1 REAR YARD 3/16"=1'-0"

0 2' 4' 8'



2 GREEN ROOF (SIXTH FLOOR) 3/16"=1'-0"

0 2' 4' 8'



3 SIDE YARD

0 2' 4' 8'

PLANTING SCHEDULE

ABBREV.	BOTANICAL NAME	COMMON NAME	QUANT.	HEIGHT	SPREAD	ROOT	BALL SIZE	COMMENTS
AZ	RHODODENDRON PRINOPHYLLUM	AZALEA	45	2'-6"	-	-	-	
LI	LILIUM	LILLY, WHITE FLOWERS	116	-	-		3-6"	PLANT 12" O.C.
LIR	LIRIOPE	LIRIOPE	-	-	-			
SE	SEDUM		-	-	-			
CA	MALUS	WEEPING CRABAPPLE	4	-	-			
PA	PACHYSANDRA	PACHYSANDRA	-	6"-12"	-			
VI	VIBURNUM	BLACK VIBURNUM	9	12'-0"-15'-0"	6'-0"-12'-0"			
BX	BUXUS SEMPERVIRENS 'PULLMAN'	BOXWOOD	30	4'-0"-7'-0"	2'-0"-4'-0"			
CH	PRUNUS SERRULATA	WEEPING CHERRY	5					

WOOD CHIP MULCH

ALL PLANTING AREAS INCLUDING SHRUB BEDS, TREE PITS, BUT NOT GROUND COVER AREAS SHOULD RECEIVE A 2" MIN. LAYER OF CEDAR WOOD CHIP MULCH.

TOPSOIL

ALL TOPSOIL FOR PLANTING SHOULD HAVE A LABORATORY TESTED ORGANIC VALUE OF 5% MINIMUM. SOIL SHALL HAVE A PH VALUE BETWEEN 6-8. SOIL SHALL BE FREE OF ALL STONES AND ORGANIC MATTER LARGER THAN 1 1/2" DIAMETER. SOIL FOR PLANTING PITS SHALL BE AMENDED AT THE RATE OF 7 CUBIC YARDS OF WELL ROTTED MANURE PER CUBIC YARDS OF TOPSOIL.

IRRIGATION

GC. TO PROVIDE AUTOMATIC IRRIGATION DRIP TUBING SYSTEM AT PERENIAL BEDS AND SPRAY HEADS AT ALL SOD AREAS. GC TO SUBMIT SHOP DRAWING FOR ARCHITECT'S APPROVAL.

LEGEND

- LANDSCAPE BOULDER, MIN 18" DIAM.
- AREA OF GRAVEL FOR 4" DEPTH
- CEDAR DECKING, 5/4"X3"
- GROUND COVER TO BE PACHYSANDRA
- GRANITE PAVERS, 'BELGIAN BLOCKS' 8"x4"x4" - BELGIAN BLOCK SALES CO., INC. (800) 718-7880 MINIMUM SRI = 29
- TERRA COTTA PLANTER, 18", 24", & 36"ø TERRACAST PLANTERS (800) 423-8539

PROMESA

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DRAWING TITLE:

LANDSCAPE PLAN

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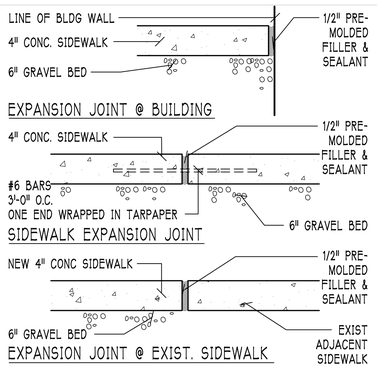
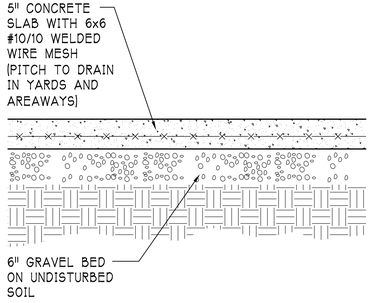
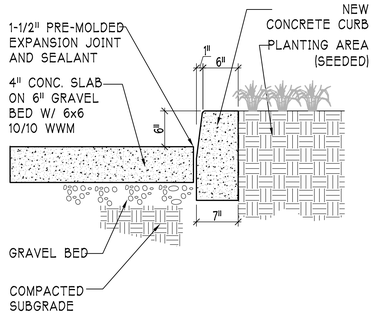


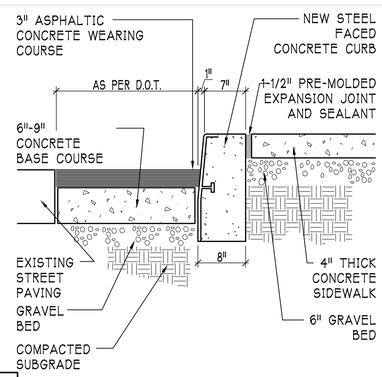
1 **EXPANSION JOINT DETAILS** 1"=1'-0"



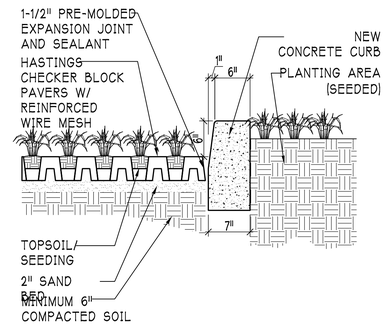
2 **CONCRETE SLAB ON GRADE** 1"=1'-0



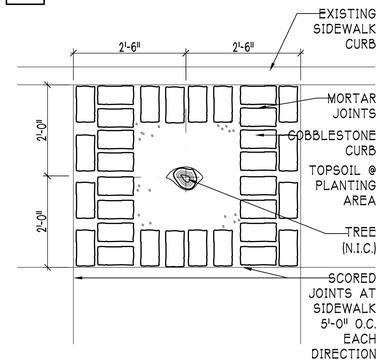
3 **CURB DETAIL** 1"=1'-0"



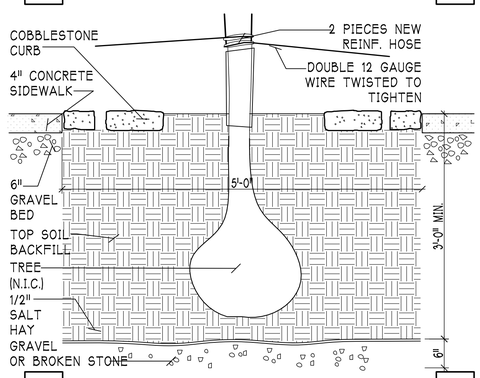
4 **STREET PAVING DETAIL** 1"=1'-0"



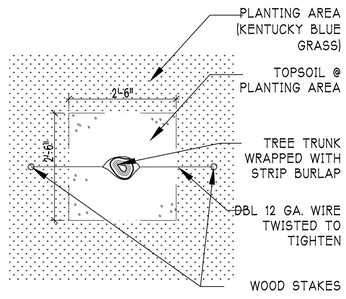
5 **CURB DETAIL** 1"=1'-0"



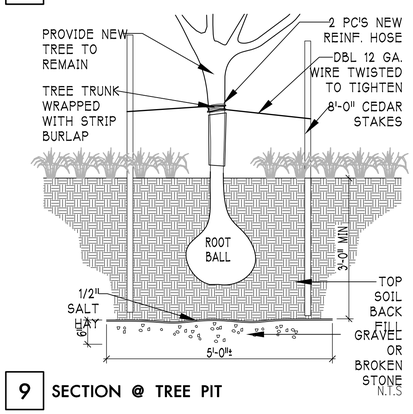
6 **TREE PIT DETAIL @ SIDEWALK** N.T.S



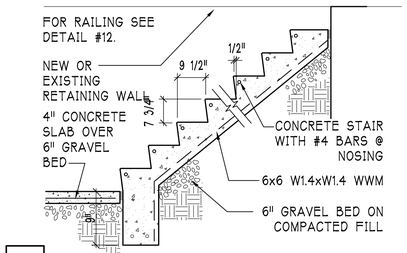
7 **SECTION AT TREE PIT** 1"=1'-0"



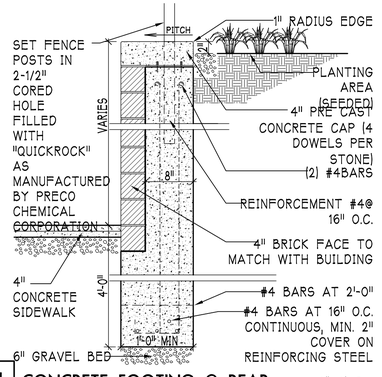
8 **TREE PIT DETAIL @ YARD** N.T.S



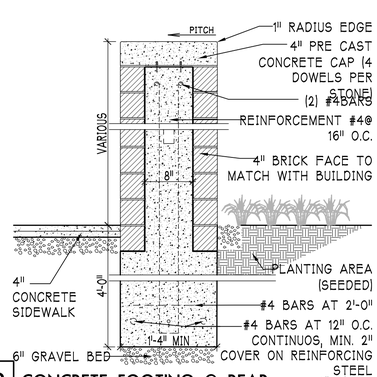
9 **SECTION @ TREE PIT** N.T.S



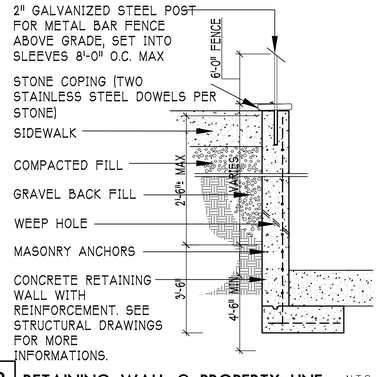
10 **CONC. STAIR** 1"=1'-0"



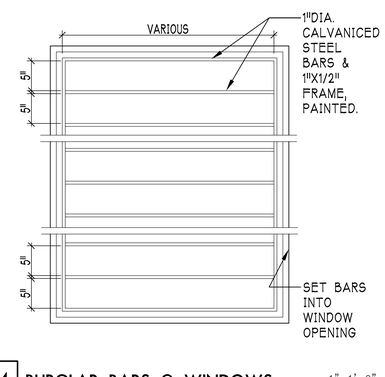
11 **CONCRETE FOOTING @ REAR** 1"=1'-0



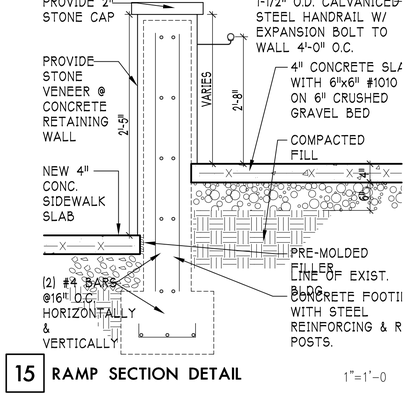
12 **CONCRETE FOOTING @ REAR** 1"=1'-0"



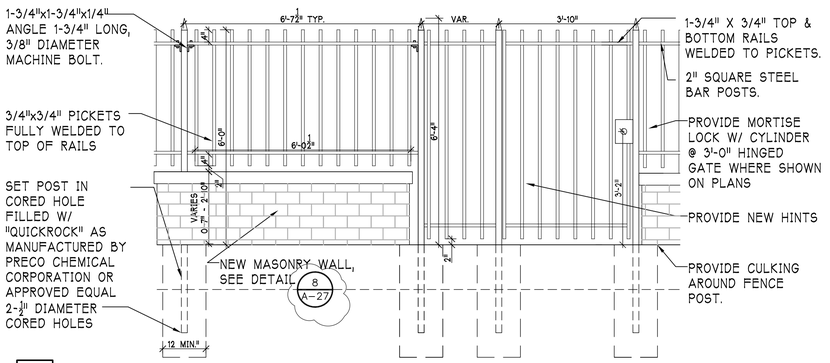
13 **RETAINING WALL @ PROPERTY LINE** N.T.S.



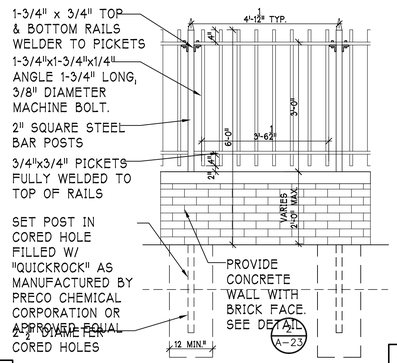
14 **BURGLAR BARS @ WINDOWS** 1"=1'-0"



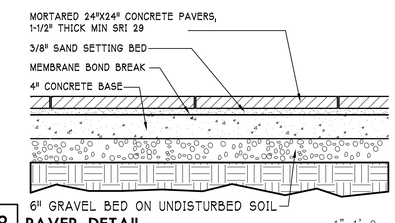
15 **RAMP SECTION DETAIL** 1"=1'-0"



16 **FENCE ELEVATION** 1/2"=1'-0"



17 **FENCE ELEVATION** 1/2"=1'-0"



18 **PAVER DETAIL** 1"=1'-0"

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SITE DETAILS

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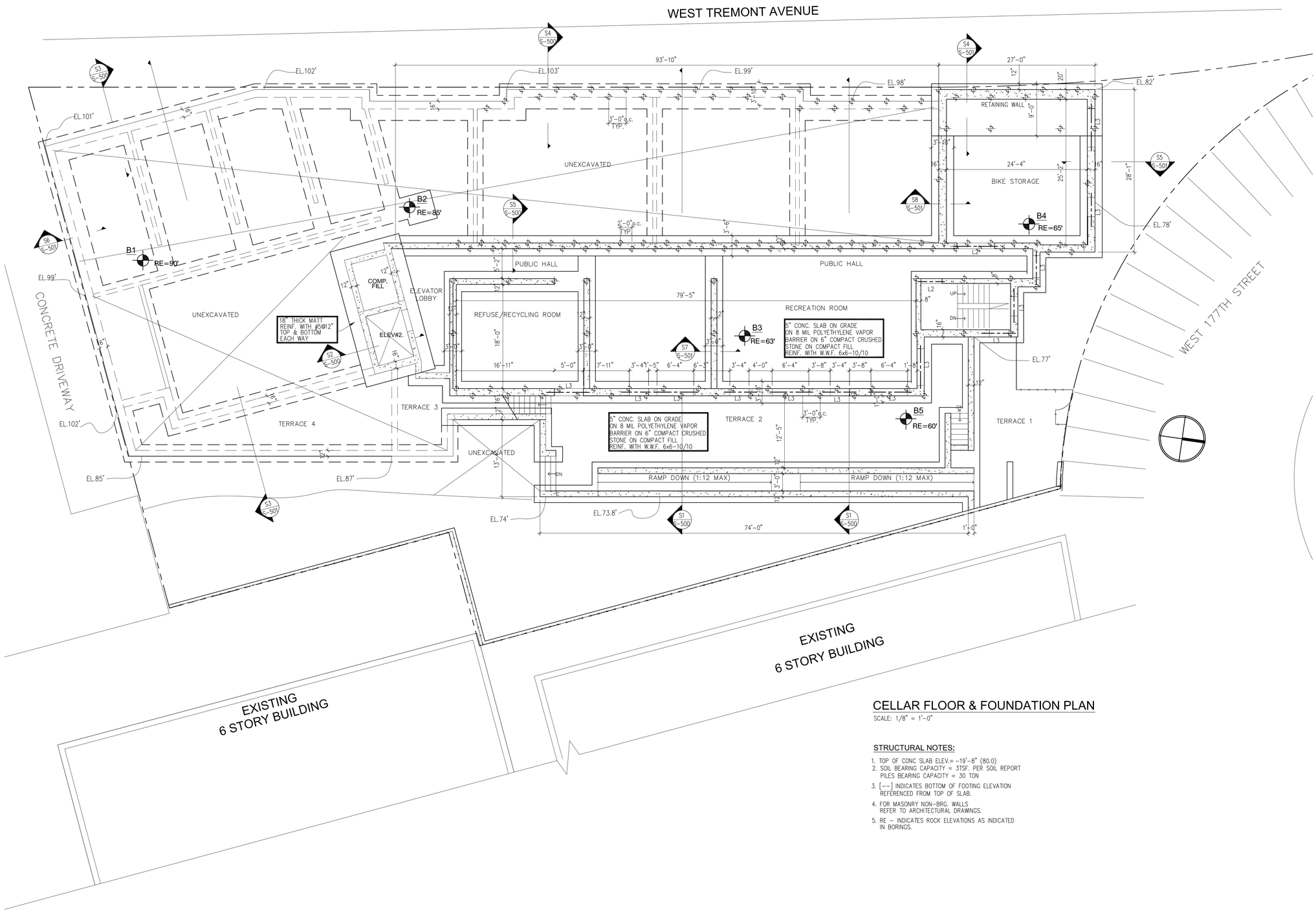

CELLAR FLOOR & FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF CONC SLAB ELEV.= -19'-8" (80.0)
2. SOIL BEARING CAPACITY = 3TSF. PER SOIL REPORT
   PILES BEARING CAPACITY = 30 TON
3. [--] INDICATES BOTTOM OF FOOTING ELEVATION REFERENCED FROM TOP OF SLAB.
4. FOR MASONRY NON-BRG. WALLS REFER TO ARCHITECTURAL DRAWINGS.
5. RE - INDICATES ROCK ELEVATIONS AS INDICATED IN BORINGS.

PROMESA

PROJECT TITLE:

SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
BRONX, NY 10458

KEY PLAN:

THE LISBON

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NO:	REVISION:	DATE:
1	PRELIMINARY	06/21/2012
3	ISSUED FOR BID	10-12-12

DRAWING TITLE:

CELLAR AND FOUNDATION PLAN

ARCHITECT:
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DATE: 02/03/2010

JOB #: 09J06

DRAWN BY: LM

SCALE: AS NOTED

DRAWING #: FO-100.00

PAGE #:

DRAWING INDEX

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	S-101	FIRST FLOOR FRAMING PLAN
	S-102	SECOND FLOOR FRAMING PLAN
	S-103	TYPICAL (3-5) FLOOR FRAMING PLAN
	S-106	SIXTH & EIGHTH FLOOR FRAMING PLAN
	S-107	ROOF & BULKHEADS FRAMING PLAN
SECTIONS & DETAILS	S-300	WALL SECTIONS
	S-400	TYPICAL SECTIONS & DETAILS
	S-401	TYPICAL SECTIONS & DETAILS
	S-500	FOUNDATION SECTIONS
	S-501	FOUNDATION SECTIONS

GENERAL NOTES

1. ALL WORK PERTAINING TO SHEETING, BRACING, SUPPORT OF ADJOINING LOTS AND SIDEWALKS, PLACEMENT OF FOUNDATION CONCRETE ON SOIL SUBGRADE IS SUBJECT TO CONTROLLED INSPECTION. DESIGN FOR SHEETING & BRACING SHALL BE DONE BY ENGINEER IN CHARGE OF CONTROLLED INSPECTION & PAID BY THE CONTRACTOR.
2. PROPER NOTICES SHALL BE GIVEN FOR PERFORMANCE OF THE CONTROLLED INSPECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE NYC BLDG CODE: "BEFORE ANY WORK IS COMMENCED ON AN ITEM OF CONSTRUCTION REQUIRING CONTROLLED INSPECTION, ALL PERSONS RESPONSIBLE FOR SUCH CONTROLLED INSPECTION SHALL BE NOTIFIED IN WRITING AT LEAST 72 HOURS PRIOR TO SUCH COMMENCEMENT."
3. NOTICE SHALL BE PROVIDED BY THE PROJECTS OWNER TO ADJOINING PROPERTY OWNERS IN ACCORDANCE WITH THE NYC BLDG CODE: "NO FOUNDATION OF EARTHWORK PERMIT SHALL BE ISSUED UNLESS AND UNTIL AT LEAST FIVE DAYS PRIOR WRITTEN NOTICE OF THE PERMIT APPLICATION SHALL HAVE BEEN GIVEN BY THE APPLICANT TO THE OWNERS OF ALL ADJOINING LOTS, BUILDINGS AND SERVICE FACILITIES WHICH MAY BE AFFECTED BY THE PROPOSED FOUNDATION WORK OR EARTHWORK OPERATIONS."
4. NOTICE SHALL BE PROVIDED BY THE PROJECTS OWNER TO ADJOINING PROPERTY OWNERS IN ACCORDANCE WITH THE NYC BLDG CODE: "AT LEAST 24 HOURS WRITTEN NOTICE SHALL BE GIVEN TO COMMISSIONER BEFORE THE COMMENCEMENT OF ANY WORK FOR WHICH A PERMIT HAS BEEN ISSUED."
5. ALL WORK PERFORMED IN CONNECTION WITH SHEETING, BRACING, UNDERPINNING, EXCAVATION SHALL ADHERE TO THE APPLICABLE PROVISIONS OF THE NEW YORK CITY BUILDING CODE, THE NEW YORK CITY CODE, REGULATIONS OF THE NEW YORK STATE DEPARTMENT OF LABOR AND OSHA.
6. PRIOR TO COMMENCEMENT OF MASS EXCAVATION, THE ADJOINING PROPERTIES, AND STREETS SHALL BE VISUALLY SURVEYED BY THE CONTRACTOR, SUITABLY MARKED WITH PERMANENT MONITORING POINTS TO BE MEASURED DURING CONSTRUCTION FOR THE PURPOSES OF DETERMINING CONSTRUCTION-RELATED EFFECTS. REPORT WITH PHOTOGRAPHS SHALL BE PROVIDED TO ARCHITECT IN TRIPLICATE COPIES. A PRECONSTRUCTION DAMAGE CONDITION SURVEY OF THE ADJOINING PROPERTIES SHALL BE MADE IN WRITTEN AND PICTORIAL FORM, AND TWO COPIES SHALL BE FURNISHED TO THE OWNER'S REPRESENTATIVE.
7. ANY WATER INFLOW INTO THE EXCAVATION SHALL BE CONTROLLED BY SUMPING OR OTHER SUITABLE METHODS. DISPOSAL OF WATER SHALL BE MADE OUT OF THE EXCAVATED AREA IN ACCORDANCE WITH LOCAL REGULATION. THE ELEVATION OF THE WATER LEVELS BEYOND THE LIMITS OF THE PROJECT SITE SHALL NOT BE LOWERED SO AS TO PREVENT DISTRESS TO ADJOINING STRUCTURES.
8. A COMPETENT REPRESENTATIVE OF THE CONTRACTOR SHALL INSPECT THE SUBGRADE OF THE EXCAVATION, ANY AND ALL BRACING AND BLOCKING, AT THE COMMENCEMENT OF EACH SHIFT, TO ASSURE INTEGRITY, PRIOR TO PERMITTING WORKMEN TO WORK WITHIN ANY EXCAVATED AREA.
9. THE CONTRACTOR SHALL PROVIDE ANY TEMPORARY EXCAVATION RESTRAINT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT. IF A SHEETING OR BRACING SYSTEM IS TO BE UTILIZED, THE DETAILS OF A SHOP DRAWINGS AND SUBMITTED FOR REVIEW AND APPROVAL BY THE ARCHITECT BEFORE COMMENCEMENT OF WORK.
10. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SUBGRADE CONDITIONS PRIOR TO START OF WORK. THESE DRAWINGS DISCOUNT UNDERGROUND WATER CONDITIONS.

SPECIAL NOTES TO OWNER

CONCRETE CRACKS

UNDER NORMAL CONDITIONS, AND FOR CONVENTIONAL BUILDINGS SUCH AS THE SUBJECT MATTER, REINFORCED CONCRETE AS WELL AS CONCRETE BLOCK WALLS DEVELOP CRACKS. THE CRACKS ARE DUE TO INHERENT SHRINKAGE OF CONCRETE, CREEP AND RESTRAINING EFFECTS OF WALLS AND OTHER STRUCTURAL ELEMENTS TO WHICH THE BEAMS/SLABS ARE TIED.

THE CRACKS FORMED ARE NORMALLY COSMETIC.THE SLAB MAINTAINS ITS SERVICEABILITY AND STRENGTH REQUIREMENTS. ITS POSSIBLE THAT A NUMBER OF HAIR CRACKS, WHICH WOULD NORMALLY SPREAD OVER A WIDE AREA, WILL INTEGRATE INTO A SINGLE CRACK WITH A WIDTH EXCEEDING 0.01 INCH. IT IS EMPHASIZED THAT ALTHOUGH SPECIAL EFFORT IS MADE TO REDUCE THE POTENTIAL CAUSES AND NUMBER OF SUCH CRACKS, IT IS NOT PRACTICAL TO PROVIDE TOTAL ARTICULATION BETWEEN THE FLOOR/ROOF SYSTEM AND ITS SUPPORTS AND THEREBY ACHIEVE COMPLETE INHIBITION OF ALL CRACKS.

MOST SUCH CRACKS DEVELOP OVER THE FIRST TWO YEARS OF THE LIFE OF THE FLOOR SYSTEM. CRACKS WHICH ARE WIDER THAN 0.01 INCH MAY NEED TO BE PRESSURE EPOXIED. PROVIDE ALLOWANCE FOR SUCH CRACKS.

THE OBJECT OF THE JOINTS PROVIDED IS TO ALLOW MOVEMENT. MOVEMENTS DUE TO CREEP AND SHRINKAGE MAY BE NOTICEABLE AT JOINTS UP TO TWO YEARS AFTER CONSTRUCTION, BEYOND WHICH MOVEMENTS DUE TO VARIATIONS IN TEMPERATURE WILL PERSIST.

THE BUILDING WAS DESIGNED WITH A MAT FOUNDATION. WHILE OTHER OPTIONS WERE CONSIDERED BY THE DESIGN TEAM (SUCH AS PILES),THE OWNER SELECTED A MAT IN ORDER TO REDUCE THE INITIAL COSTS.

DUE TO THE EXISTING SOIL CONDITIONS WHICH ARE SOFT, SOME FOUNDATION SETTLEMENT IS ANTICIPATED. MOST SETTLEMENT WILL OCCUR INITIALLY, BUT SOME CAN BE EXPECTED TO OCCUR POST CONSTRUCTION. SETTLEMENT CAN MANIFEST ITSELF AS MASONRY AND CONCRETE CRACKS IN THIS BUILDING AND ADJACENT STRUCTURES.

THE OWNER WILL RETAIN THE SERVICES OF A PHOTO-SURVEY CONTRACTOR WHO WILL DOCUMENT ALL PRE- EXISTING CONDITIONS IN ADJACENT BUILDINGS, PRIOR TO START OF CONSTRUCTION. COPIES OF SUCH REPORTS WILL BE KEPT BY THE OWNER.
TO REPAIR THE CRACKS BACK TO ORIGINAL CONDITION, AND PAY FOR SAME. IN THE EVENT THAT CRACKING OCCURS, THE OWNER WILL INSTRUCT THE CONTRACTOR

STRUCTURAL STEEL

1. UPON AWARD OF CONTRACT, THE CONTRACTOR SHALL RETAIN THE SERVICES OF WES CONSULTANTS LLC TEL. NO.(212)643-0745 OR ANOTHER DETAILER WITH A MIN. OF 5 YEARS PROVEN EXPERIENCE AND ACCEPTABLE TO THE OWNER AND ENGINEER TO PRODUCE SHOP DRAWINGS.
2. ALL STRUCTURAL STEEL WORK SHALL CONFORM WITH AISC SPECIFICATIONS FOR STRUCTURAL STEEL FOR BUILDINGS, LATEST EDITION (LRFD), AS AMENDED TO DATE.
3. ALL STEEL TO BE ASTM-572 (Fy=50 KSI), BASE PL'S CONNECTIONS, ETC. TO BE ASTM A36, Fy=36 KSI. COLUMNS & GIRDERS STIFFENER PLATES – ASTM A572 Fy = 50 KSI.
4. SHOP CONNECTIONS-WELDED OR HIGH STRENGTH BOLTED. FIELD CONNECTIONS HIGH STRENGTH BOLTED UNLESS OTHERWISE SHOWN. ALL WELDED CONNECTIONS SHELL DEVELOP THE FULL STRENGTH OF THE MEMBERS, UNLESS OTHERWISE NOTED.
5. BOLT STEEL SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATION LATEST EDITION: HIGH STRENGTH BOLTS A-325 FRICTION TYP. WELDING ELECTRODES: AMERICAN WELDING SOCIETY A 5.1 E-70 SERIES.
6. ALL BOLTS SHALL BE MINIMUM 3/4" DIA. A 325-F. OPEN HOLES 13/16" DIA. UNLESS OTHERWISE SHOWN OR NOTED. NO SLOTTED HOLES PERMITTED.
7. CONNECTION DESIGN: SHEAR CONNECTIONS: FOR NON-COMPOSITE BEAMS USE THE REACTIONS CAUSED BY THE UNIFORM LOAD REQUIRED TO STRESS THE OUTER FIBERS TO 0.75 Fy, UNLESS OTHERWISE NOTED. FOR COMPOSITE BEAMS USE 2.0 TIMES AFOREMENTIONED REACTION.
8. ALL SHOP AND FIELD WELDS SHALL BE MADE BY APPROVED CERTIFIED WELDERS, AND SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE. UNLESS OTHERWISE NOTED, ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE MATERIALS BEING WELDED.
9. THE FRAME SHALL BE CARRIED UP TRUE AND PLUMB, AND TEMPORARY BRACING SHALL BE INTRODUCED WHEREVER NECESSARY TO TAKE CARE OF ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING EQUIPMENT AND THE OPERATION OF SAME. SUCH BRACING SHALL BE THE RESPONSIBILITY OF THE STEEL CONTRACTOR AND SHALL BE LEFT IN PLACE AS LONG AS REQUIRED FOR SAFETY.
10. PROVIDE ALL REQUIRED PLATES, GUSSETS, STIFFENERS, BOLTS, BEAM FILLER METAL, LINTELS, ETC., WHETHER SHOWN ON THE DRAWINGS OR NOT.
11. THE MINIMUM ANGLE THICKNESS SHALL BE 3/8". THE MINIMUM BOLTS SHALL BE 3/4" DIA., AND THE MINIMUM WELD SHALL BE 1/4".
12. ANCHOR BOLTS, BASE PLATES OR BEARING PLATES SHALL BE LOCATED AND BUILT INTO CONNECTING WORK, PRESET BY TEMPLATES OR SIMILAR METHODS. ALL PLATES SHALL BE SET IN FULL BEDS OR NON-SHRINK GROUT.
13. STRUCTURAL MEMBERS WHICH REQUIRE SPRAY-ON FIRE PROOFING SHALL HAVE THE RATING INDICATED ON THE DRAWINGS OR SPECIFICATIONS.
14. SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED BEFORE FABRICATING OR ERECTING ANY WORK. ALL IN ACCORDANCE WITH THE SPECIFICATIONS.
15. STRUCTURAL STEEL DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO THOSE FOR MOST SIMILAR SITUATIONS AS DETERMINED BY THE ARCHITECT.
16. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE (1986), EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS.
17. THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS. CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. CONNECTION DETAILS INDICATED ON THE DRAWINGS SHALL BE INCORPORATED INTO FABRICATOR'S CONNECTION DESIGN. ALL SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE FABRICATOR'S ENGINEER WITH THE ENGINEER'S SEAL MAY BE QUALIFIED "FOR DESIGN OF CONNECTIONS ONLY."
18. SPLICING OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.
19. UNLESS NOTED OTHERWISE, BEAMS SHALL BEAR 8" MINIMUM ON CONCRETE OR MASONRY
20. ALL EXPOSED STEEL, GALVANIZE + PAINT.

FOUNDATION

1. ALL FOOTINGS ARE TO REST ON UNDISTURBED SOIL HAVING A MIN. SAFE BEARING CAPACITY OF TONS PER SQUARE FOOT.
2. ISOLATED FOOTINGS SHALL BE LOWERED OR RAISED, AND PIERS SHALL BE ADDED, REDUCED OR INCREASED IN HEIGHT, ALL AS DIRECTED BY THE ENGINEER, WHERE UNDISTURBED SOIL OF THE SPECIFIED BEARING CAPACITY IS FOUND AT A LOWER OR HIGHER ELEVATION THAN SHOWN ON THE PLANS.
3. BACKFILLING AGAINST FOUNDATION WALLS SHALL NOT BE DONE UNTIL CONCRETE HAS ATTAINED SUFFICIENT STRENGTH AND WALLS ARE PROPERLY SHORED OR BRACED OBTAIN APPROVAL FROM ENGINEER PRIOR TO
4. EDGES OF FOOTINGS SHALL NOT BE PLACED AT A GREATER THAN 1 (VERTICAL) TO 2 (HORIZONTAL) SLOPE WITH RESPECT TO ANY ADJACENT BACKFILLING
5. THE CONTRACTOR SHALL SAFEGUARD AND PROTECT ALL EXCAVATIONS. FOOTINGS.
6. THE DESIGN OF THE FOUNDATION IS BASED ON BORINGS TAKEN BY SOIL MECHANICS DRILLING CORP. DATED JULY 2011.

SPECIAL EXCAVATION NOTES TO THE CONTRACTOR

1. EXCAVATE ON PROPERTY LINES SUCH AS TO MAINTAIN ADJACENT PROPERTIES UNDAMAGED AT ALL TIMES.
2. REPAIR DAMAGE TO ADJACENT PROPERTIES AT NO COST TO THE OWNER.

MASONRY NOTES

1. MASONRY UNITS SHALL BE CLEARLY INDENTIFIED TO SHOW THE GRADE OF UNIT AND THE COMPRESSIVE STRENGTH WHERE CALLED FOR ON PLANS. REINFORCING BARS SHALL BE ROLLED TO INDENTIFY GRADE OF STEEL AND SIZE, AND TAGGED.
2. MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS:

CONCRETE MASONRY UNITS	
SOLID LOADBEARING	ASTM C145
HOLLOW LOADBEARING	ASTM C90
CAST STONE	
HOLLOW NON LOADBEARING	ASTM C 129 (NO EXPOSURE)
METAL ANCHORS AND TIES	
ZINC COATING IN IRON OR STEEL	ASTM A173 1965
ZINC COATING ON WIRE	ASTM A116 1965
COPPER COATED WIRE GRDE 30 HS	ASTM B227 1965

3. PROVIDE STANDARD GALVANIZED DUR-O-WALL REINFORCING EVERY OTHER COURSE, #9 GA. WIRE EA. WAY.
4. CONTROL JOINTS TO BE DUR-O-WALL RAPID CONTROL JOINT, OR APPROVED EQUAL.
5. AT ALL WALL OPENINGS 4'-0" OR GREATER, FILL JAMS SOLID. FILL MASONRY SOLID.
6. MORTAR TO BE TYPE "M" OR "S", ASTM C270.
7. ALL MASONRY TO BE PROPERLY BONDED AND BRACED.
8. BONDING: ALL MULTIPLE WYTHE MASONRY WALLS BY THE FOLLOWING METHODS:
   a. PREFABRICATED JOINT REINFORCEMENT MIN. ONE CROSS WIRE EVERY MAXIMUM VERTICAL SPACING NOT TO EXCEED 16 INCHES.
   b. GROUT BOND, BY PURGING BACK OF BRICK. SS-S-721 1964 FED SPECIFICATION
   c. BRICK HEADERS WHERE SHOWN ON THE DRAWINGS.
9. INTERSECTING WALLS AND PARTITIONS SHALL BE BONDED BY EITHER A TRUE MASONRY BOND BY LAYING AT LEAST 50% OF THE UNITS 3 IN. ON THE UNIT BELOW OR BY 1/4 IN. BY 1-1/2 IN. METAL ANCHORS, ENDS BENT UP 2 IN. OR CROSS PINS ANCHORS 2 FT. LONG. MAXIMUM VERTICAL SPACING 4 FT. OF OTHER EQUIVALENT.
10. WALLS AT JOINING OR INTERSECTION STRUCTURAL FRAMING SHALL BE ANCHORED WITH FLEXIBLE METAL ANCHORS TI STRUCTURAL MEMBERS.
11. CHASES NOT TO BE DEEPER THAN 1/8 THE WALL THICKNESS.
12. LINTELS TO HAVE MINIMUM BEARING ON WALL AT EACH END FOR AT LEAST 6 IN.
13. PARAPET WALLS , ALL CELLS IN HOLLOW MASONRY UNITS TO BE FILLED SOLIDLY. PROVIDE JOINT REINFORCEMENT AT ALL CORNERS EXTENDING AT LEAST 4 FT. IN BOTH DIRECTIONS. PROVIDE COPING AND WEATHERPROOF. FLASHING. HEIGHT OF PARAPET NOT TO EXCEED THREE TIMES THE THICKNESS, UNLESS REINFORCED.
14. PROVIDE TEMPORARY BRACING WHEREVER NECESSARY TO SUPPORT LOADS.
15. MIX MORTAR FOR A MINIMUM OF 5 MIN. MORTAR MAY BE RETEMPERED BY ADDING WATER AND REMIXING. MORTAR SHALL BE USED WITHIN 2-1/2 HOURS OF INITIAL MIXING.
16. THICKNESS OF MORTAR BETWEEN MASONRY UNITS AND REINFORCEMENT MIN. 1/4 IN. BARS OR WIRE 1/4 IN. OR LESS IN DIAMETER EMBEDDED IN HORIZONTAL MORTAR JOINS SHALL HAVE AT LEAST 5/8 IN. HORIZONTAL COVER.
17. PROTECT MASONRY DURING FREEZING OR NEAR FREEZING WEATHER. NO FROZEN MATERIALS SHALL BE USED. HEAT SAND OR WATER TO REMOVE FROST. MANTAIN MIN. 40 DEG. F. AIR TEMP. ON BOTH SIDES FOR A PERIOD OF 48 HOURS IF TYPE N OR O MORTAR IS USED. DO NOT USE CHEMICALS TO LOWER FREEZING TEMPERATURE.
18. STORE MATERIALS IN A MANNER THAT THEY ARE KEPT FREE OF EXCESSIVE DIRT AND WETNESS.
19. MASONRY WORK SHALL PROCEED ONLY AFTER CERTIFICATES INDETIFYING MASONRY STRENGTH & TYPE HAVE BEEN REVIEWED AND APPROVED BY STRUCTURAL ENGINEER.
20. FILL MASONRY VOIDS SOLID UNDER ALL BEARING PLATES. ALSO ALL JAMBS, AND AT 2 BLOCKS MIN.
21. WHERE BRICKS ARE MISSING AT EXISTING BRICKWALLS, FILL IN NEW BRICKS TO RESULT IN SOLID CONSTRUCTION OF MINIMUM THICKNESS REQUIRED. ALL SUCH BRICKS SHALL BE BONDED BY TOOTHING. PROVIDE SUCH REPAIRS THROUGHOUT AS NEEDED.
22. ALL REINFORCEMENT SPLICES, MIN. 40 RE-BAR DIAMETER.
23. SEISMIC PROVISIONS:
   a. MIN. WALL REINFORCEMENT #4 AT 48 INCHES ON CENTER, VERTICAL.
   b. DUR-O-WAL, #9 GA WIRE @16" o.c.-JOINT REINF..
   c. 2#4 AROUND OPENINGS.

SEISMIC LOAD PROVISIONS PER NYCBC (ASCE 07-02)

ITEM	DESCRIPTION/MAGNITUDE	CODE REFERENCE
1. DESIGN SPECTRA DESPONSE S_{DS}	S_{DS}=0.367	NYCBC EQ. No.16-40
DESIGN SPECTRA RESPONSE S_{D1}	S_{D1}=0.114	NYCBC EQ. NO. 16-41
2. SITE (SOIL) CLASS DEFINITIONS	D	NYCBC TABLE No.1615.1.1
3. IMPORTANCE FACTOR	I=1.0	NYCBC TABLE No.1604.5
4. BASIC STRUCTURAL SYSTEM	BUILDING FRAME	NYCBC TABLE No.1617.6.2
5. COEFFICIENT Rw	SPECIAL REINF. MASON. SHEAR WALLS R=5.0 ORDINARY MOMENT FRAMES R=3.0	NYCBC TABLE No.1617.6.2
6. ANALYSIS PROCEDURE	EQUIVALENT STATIC LATERAL FORCE	

SPECIAL INSPECTIONS

1. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN THE SERVICES OF N.WEXLER, P.E., P.C., OR ANOTHER ACCEPTABLE LICENSED PROFESSIONAL ENGINEER WHO SHALL HAVE PROVEN EXPERIENCE ACCEPTABLE TO THE OWNER AND ARCHITECT. MINIMUM REQUIRED QUALIFICATIONS SHALL INCLUDE A PROFESSIONAL LIABILITY INSURANCE COVERAGE OF 1 MILLION DOLLARS AND A MINIMUM PROVEN EXPERIENCE OF 5 YEARS WITH SIMILAR WORK.
2. THE CONTRACTOR'S ENGINEER SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. HE SHALL PROVIDE SPECIAL INSPECTION SERVICES AS FOLLOWS:
   A. STRUCTURAL STEEL – WELDING AND HIGH STRENGTH BOLTING.
   B. STABILITY AND INTEGRITY OF STRUCTURES DURING CONSTRUCTION OPERATIONS.
   C. SHORING AND BRACING.
   D. UNDERPINNING.
   E. SUBGRADE FOR FOOTINGS.
   F. COMPACT FILL.
   G. MASONRY
      -MORTAR, BLOCK, BRICK.
      -THICKNESS
      -REINF.
      -PLACEMENT
      -HEADERS
      -BONDING
   H. CONCRETE
3. THE ENGINEER SHALL PREPARE PLANS, CALCULATIONS, AND NOTES IN THE FORM OF SHOP DRAWINGS, FOR ALL ITEMS OF WORK WHICH DIFFER FROM WHAT IS SHOWN ON THE STRUCTURAL DRAWINGS DUE TO FIELD CONDITIONS. HE SHALL ALSO PREPARE PLANS IN THE FORM OF SHOP DRAWINGS, CALCULATIONS AND NOTES FOR ALL TEMPORARY SHORES AND BRACES AND CLEARLY INDICATE METHOD OF INSTALLATION, SEQUENCE OF OPERATIONS, AND QUALITY CONTROL.
4. THESE SHOP DRAWINGS SHALL BE REVIEWED BY THE ENGINEER OF RECORD AND ARCHITECT PRIOR TO CONSTRUCTION. WORK SHALL BE EXECUTED FROM REVIEWED SHOP DRAWINGS ONLY.
5. COPIES OF SUCH DRAWINGS WHICH INCLUDE THE ARCHITECT'S COMMENTS SHALL BE FILED WITH THE DEPARTMENT OF BUILDINGS (ON AMENDMENT FORMS). ADDITIONALLY, AT COMPLETION OF WORK, FORMS INCLUDING ALL INSPECTION REPORTS PREPARED BY THE CONTRACTOR'S ENGINEER SHALL BE FILED WITH THE DEPARTMENT OF BUILDINGS.
6. THE SPECIAL INSPECTION ENGINEER SHALL DETERMINE THE FREQUENCY OF INSPECTIONS NEEDED AND WHETHER HE OR SHE SHOULD INSPECT THE SITE PERSONALLY OR SEND A PERSON UNDER HIS OR HER DIRECT SUPERVISION. AT A MINIMUM, THE SITE MUST BE INSPECTED TWICE, ONCE AT A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR AND ONCE DURING CONSTRUCTION OPERATIONS.
7. THE SPECIAL INSPECTION ENGINEER, SHALL MAINTAIN A LOG IN HIS OR HER OFFICE WHICH INCLUDES THE FOLLOWING INFORMATION:
   (i) ADDRESS OF THE PREMISES, JOB NUMBER, CONTRACTOR NAME AND ADRESS, AND
   (ii) DATE AND TIME OF EACH INSPECTION INCLUDING
      (A) NAMES OF PERSONNEL WHO INSPECTED THE SITE, AND
      (B) ANY SIGNIFICANT OBSERVATIONS OR INSTRUCTIONS GIVEN RELATING TO ANY OF THE FOLLOWING:
      (1) DEVIATIONS FROM THE CONTRACT DOCUMENTS.
      (2) ANTICIPATED FIELD CONDITIONS;
      (3) PROPER EXECUTION OF THE WORK;
      (4) GOOD ENGINEERING PRACTICE;
      (5) SAFE JOB-SITE CONDITIONS;
      (6) PRECAUTIONS TAKEN TO MAINTAIN SAFE CONDITIONS IF WORK IS STOPPED FOR ANY REASON.
   (iii) THE DATE OF AND PARTICIPANTS IN ANY CONVERSATIONS WITH THE SPECIAL INSPECTION ENGINEER OCCURING OFF-SITE AND RELATING TO ANY SIGNIFICANT OBSERVATIONS OR INSTRUCTIONS.
8. THE SPECIAL INSPECTION ENGINEER SHALL RETAIN A COPY OF THE DOCUMENTS DESCRIBED ABOVE IN HIS OR HER OFFICE AND SHALL PROVIDE A COPY TO THE CONTRACTOR AND/OR OWNER TO BE KEPT AT THE CONSTRUCTION SITE.
9. THE SPECIAL INSPECTION ENGINEER RESPONSIBLE FOR SPECIAL INSPECTION SHALL REPORT UNSAFE CONDITIONS TO THE DEPARTMENT OF BUILDINGS AND/OR ANY OTHER AFFECTED PARTIES OR AGENCIES.
10. UPON REQUEST OF THE DEPARTMENT, THE SPECIAL INSPECTION ENGINEER SHALL MAKE AVAILABLE FOR REVIEW BY THE DEPARTMENT DOCUMENTS AND THE LOG DESCRIBED ABOVE.

PRECAST CONCRETE

1. UPON AWARD OF CONTRACT, THE CONTRACTOR SHALL RETAIN THE SERVICES OF A DETAILER WITH A MIN. OF 5 YEARS PROVEN EXPERIENCE AND ACCEPTABLE TO THE OWNER AND ENGINEER TO PRODUCE SHOP DRAWINGS.
2. ALL PRECAST CONCRETE SHALL BE STONE CONCRETE HAVING AN ULTIMATE COMPRESSIVE STRENGTH OF 4000 PSI AFTER 28 DAYS, MIN. 6.5 BAGS CUBIC YARD.
3. MANUFACTURING PROCEDURES SHALL BE IN GENERAL COMPLIANCE WITH PCI MNL-117.
4. CURE PRECAST UNITS UNTIL 2000 PSI MIN. COMPRESSIVE STRENGTH HAS DEVELOPED, BEFORE REMOVING THE UNITS FROM FORMS.
5. MARK EACH PIECE TO CORRESPOND TO IDENTIFICATION MARK ON SHOP DRAWINGS AND MARK THE DATE CAST.
6. FOR CONCRETE WORK QUALITY CONTROL AND TOLERANCES – SEE SPECIFICATIONS AND MNL-117.
7. FIELD CONDITIONS SHALL BE DETERMINED BY ACTUAL MEASUREMENTS PRIOR TO CASTING.
8. PROVIDE ALL TEMPORARY SUPPORTS, BRACING, ETC. AS REQUIRED TO MAINTAIN POSITION, STABILITY, ALIGMENT, AS UNITS ARE BEING CONNECTED.
9. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY AT ALL TIMES DURING CONSTRUCTION. REPORT ANY DEVIATION TO THE ENGINEER FOR POSSIBLE REDESIGN AND PROPER COORDINATION.
10. STORE UNITS AT THE SITE PRIOR TO ERECTION. WELDING OF CONNECTIONS SHALL NO BE DONE UNTIL AT LEAST 40 DAYS AFTER CONCRETE HAS BEEN CAST.
11. SHOP DRAWINGS & CALCULATIONS, PREPARED & SIGNED BY A LICENSED PROFESSIONAL ENGINEER IN NY STATE, SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.
12. PROVIDE MANUFACTURER'S CATALOG IDENTIFYING STRENGTH OF PRECAST PLANK UNITS PRIOR TO CONSTRUCTION.
13. WARRANTY ALL WORK FOR A PERIOD OF 12 MONTHS FROM DATE OF ACCEPTANCE.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM WITH THE REQUIREMENTS OF THE CONCRETE INSTITUTE (ACI) 318.89.
2. ALL CONCRETE, EXCEPT AS SPECIFICALLY NOTED HEREIN, SHALL BE STONE CONCRETE HAVING AN ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AFTER 28 DAYS AND SHALL HAVE A MINIMUM CEMENT CONTENT OF AT LEAST 5-1/2 BAGS PER CUBIC YARD. CONCRETE FOR SLAB ON GRADE SHALL BE 4000 PSI CONCRETE. CONCRETE ON METAL DECK SHALL BE STONE AGGREGATE, 3000 PSI CONCRETE. CONCRETE FOR FOOTINGS AND FOUNDATIONS, 4000psi.
3. (a) REINFORCING FOR REINFORCED CONCRETE ELEMENTS, UNLESS OTHERWISE SHOWN OR SPECIFIED, SHALL BE DEFORMED IN ACCORDANCE WITH ASTM-A615, GRADE 60 AND SHALL HAVE A MINIMUM YIELD POINT OF 60,000 PSI.
   (b) REINFORCING FOR COLUMN TIES AND BEAM STIRRUPS SHALL BE DEFORMED IN ACCORDANCE WITH ASTM-A615, GRADE 40 AND SHALL HAVE A MINIMUM YIELD POINT OF 40,000 PSI.
4. WELDED WIRE FABRIC SHALL HAVE A MINIMUM ULTIMATE STRENGTH OF 70,000 PSI.
5. MINIMUM REINFORCEMENT PROTECTION, UNLESS OTHERWISE SHOWN, SHALL BE 3/4" FOR SLABS AND INTERIOR FACES OF WALLS, 1-1/2" FOR BEAMS AND GIRDERS, 2" FOR EXTERIOR FACES OF WALLS, 3" FOR FOOTINGS AND OTHER STRUCTURAL CONCRETE DEPOSITED AGAINST GROUND.
6. NO CONCRETE SHALL BE POURED UVIT THE REQUIRED PRELIMINARY TESTE (PER NYCBC) HAVE BEEN MADE AND APPROVED.
7. ALL STRUCTURAL MEMBERS SHALL BE POURED FOR THEIR FULL DEPTH IN ONE OPERATION. CONSTRUCTION JOINTS, SUCH AS DAYS POUR JOINTS, SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SPAN. MAIN REINFORCING SHALL RUN THROUGH THE JOINT. POUGHEN AND PICK JOINTS TO EXPOSE AGGREGATE FOR CHEMICAL BOND. WET THOROUGHLY AND SLUSH JOINT WITH 1:2 MORTAR, 1/2"THICK, NOT MORE THAN 5 MINUTES BEFORE FRESH CONCRETE IS POURED AGAINST SURFACE.
8. ALL OPENINGS IN FOUNDATION WALLS, UNLESS OTHERWISE SHOWN, SHALL HAVE 2 #6 BARS ADDITIONAL ON ALL SIDES AND SHALL EXTEND 2'-6" BEYOND EDGES OF OPENINGS.
9. THE CONTRACTOR SHALL COOPERATE WITH OTHER TRADES AND WHERE REQUIRED, INSTALL ALL BUILT-IN-WORK, SLEEVES, OPENINGS, INSERTS, ETC. AS REQUIRED FOR A CONCRETE JOB. LOCATION OF SLEEVES AND OPENINGS NOT SHOWN ON PLANS IS SUBJECT TO APPROVAL OF STRUCTURAL ENGINEER.
10. PROVIDE VERTICAL DOVETAIL INSERTS AT 2'-0" O.C. MAXIMUM IN ALL CONCRETE SURFACES FACED WITH 1'-3" OR GREATER HEIGHT OF BRICK OR BLOCK.

SLABS ON GRADE NOTES

1. FLOOR SLABS ON GROUND SHAL BE POURED TO THE THICKNESS SHOWN ON THE DRAWINGS ON VAPOR BARRIER.
2. VAPOR BARRIER SHALL BE POLYETHYLENE PLASTIC HAVING A MINIMUM THICKNESS OF 8 MILS (.008), FREE OF PINHOLES AND OTHER BLEMISHES AND SHALL BE INSTALLED OVER COMPACTED POROUS FILLING ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. ALL JOINTS SHALL BE LAPPED 12" AND TAPED.
3. PROVIDE A 6" THICK LAYER OF POROUS FILL BENEATH ALLSLABS ON GROUND. COMPACT FILL TO 95% OF MAXIMUM DENSITY IN COMFORMANCE TO ASTM D1557-66T. MATERIAL SHALL CONSIST OF HARD, DURABLE PARTICLES, FREE OF ORGANIC MATTER, RUBBLE AND ALL DELETERIOUS SUBSTANCWS. MAXIMUM PARTICLE SIZE SHALL BE 2", 10% TO 60% BY WEIGHT RETAINED ON THE #10 SIEVE, LESS THAN 40% BY WEIGHT PASSING THE No.60 SIEVE, AND NOT MORE THAN 10% WEIGHT PASSING THE No.200 SIEVE.
4. SLABS ON GROUND SHALL BE POURED IN CHECKERBOARD FASHION TO MINIMIZE THE SHRINKAGE. THE MAXIMUM AREA OF POUR SHALL BE 1000 SQUARE FEET WITH NO DIMENSION EXCEEDING 35 FEET.
5. MAXIMUM OUTSIDE DIAMETER OF PIPE OR CONDUIT PLACED IN SLABS ON GROUND SHALL BE LIMITED TO ONE-THIRD THE THICKNESS OF THE SLAB. THE MINIMUM CONCRETE COVER TOP AND BOTTOM SHALL BE ONE-THIRD THE THICKNESS OF THE SLAB.
6. PROVIDE A 9" THICKENED SLAB FOR WIDTH OF 6" EACH SIDE OF JOINT AND A 2" x 3" CONTINUOUS KEY AT CONSTRUCTION JOINTS AND CONTINUE MESH THROUGH JOINTS.

PROMESA

PROJECT TITLE:

SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
BRONX, NY 10458

KEY PLAN:

THE LISBON

ENGINEERING CONSULTANT:
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STRUCTURAL ENGINEERS
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TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
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1	PRELIMINARY	06/21/2012
3	ISSUED FOR BID	10-12-12

DRAWING TITLE:

STRUCTURAL NOTES

ARCHITECT:
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NEW YORK CITY NEW YORK 10012
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DATE: 02/03/2010

JOB #: 09J06

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SCALE: AS NOTED

DRAWING #: S-001.00

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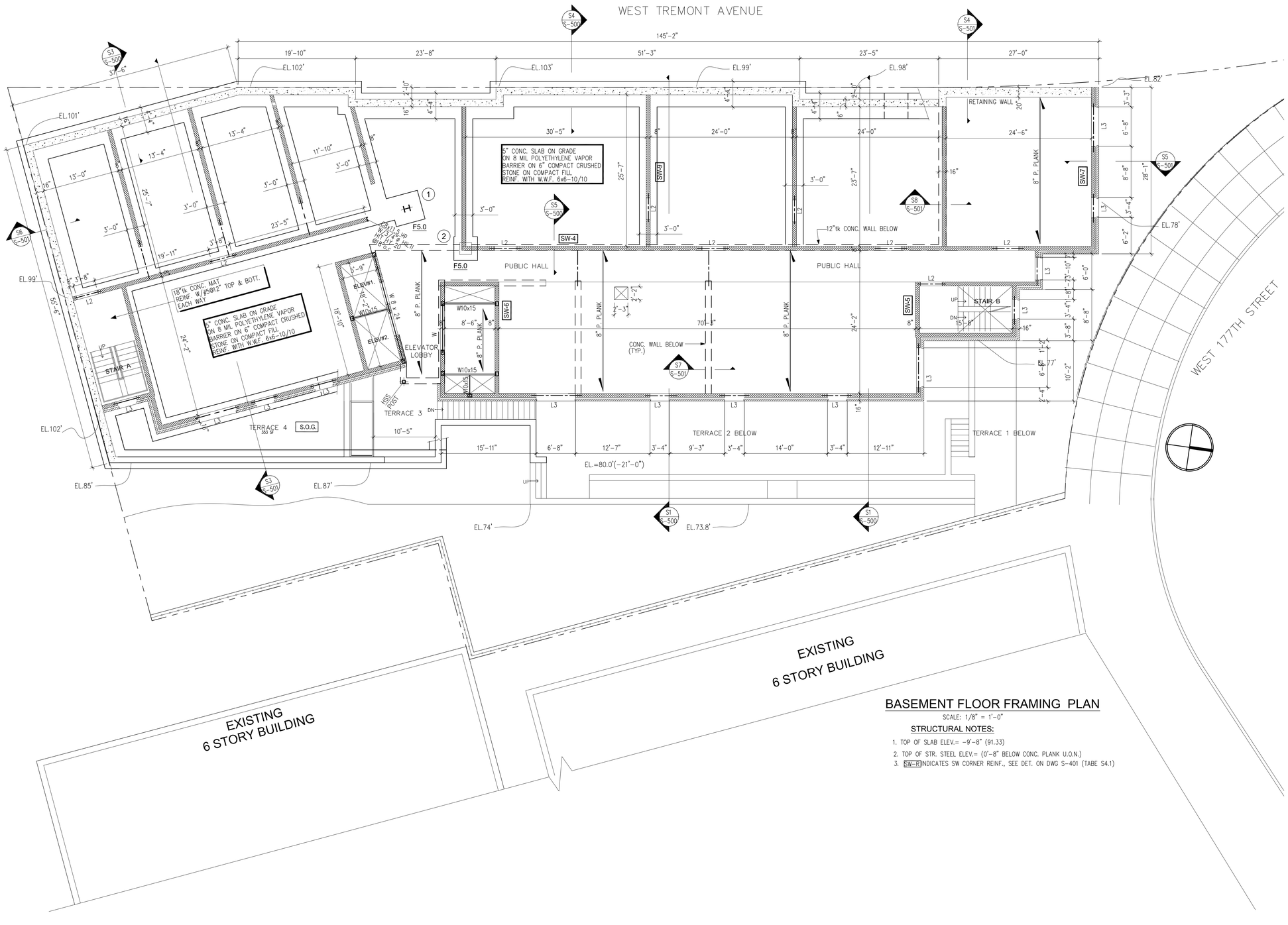

BASEMENT FLOOR FRAMING PLAN

SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF SLAB ELEV.= -9'-8" (91.33)
2. TOP OF STR. STEEL ELEV.= (0'-8" BELOW CONC. PLANK U.O.N.)
3. SW-# INDICATES SW CORNER REINF., SEE DET. ON DWG S-401 (TABE S4.1)

PROMESA

PROJECT TITLE:

SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
BRONX, NY 10458

KEY PLAN:

THE LISBON

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BASEMENT FLOOR FRAMING PLAN

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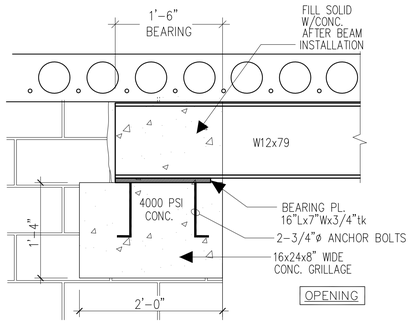
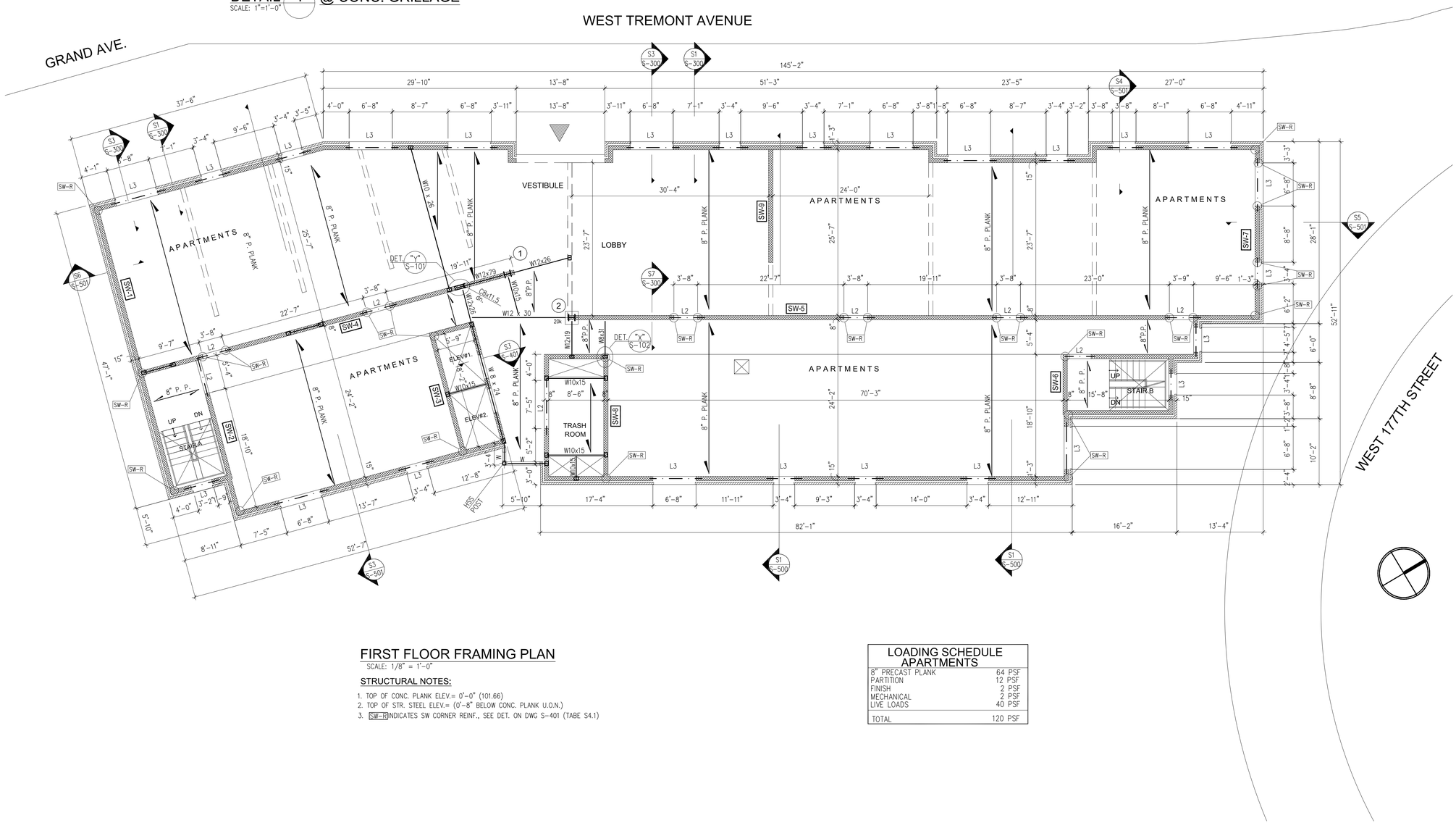


DETAIL "Y" @ CONC. GRILLAGE
SCALE: 1"=1'-0"



FIRST FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF CONC. PLANK ELEV.= 0'-0" (101.66)
2. TOP OF STR. STEEL ELEV.= (0'-8" BELOW CONC. PLANK U.O.N.)
3. SW-R INDICATES SW CORNER REINF., SEE DET. ON DWG S-401 (TABE S4.1)

LOADING SCHEDULE APARTMENTS	
8" PRECAST PLANK	64 PSF
PARTITION	12 PSF
FINISH	2 PSF
MECHANICAL	2 PSF
LIVE LOADS	40 PSF
TOTAL	120 PSF

PROMESA

PROJECT TITLE:
SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
BRONX, NY 10458

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FIRST FLOOR FRAMING PLAN

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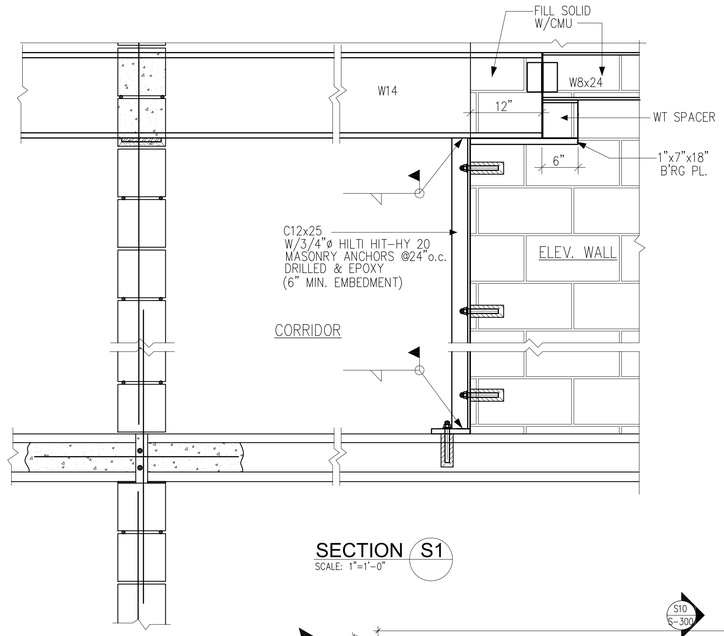
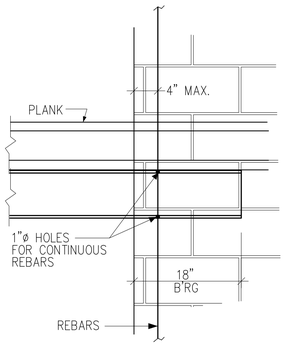
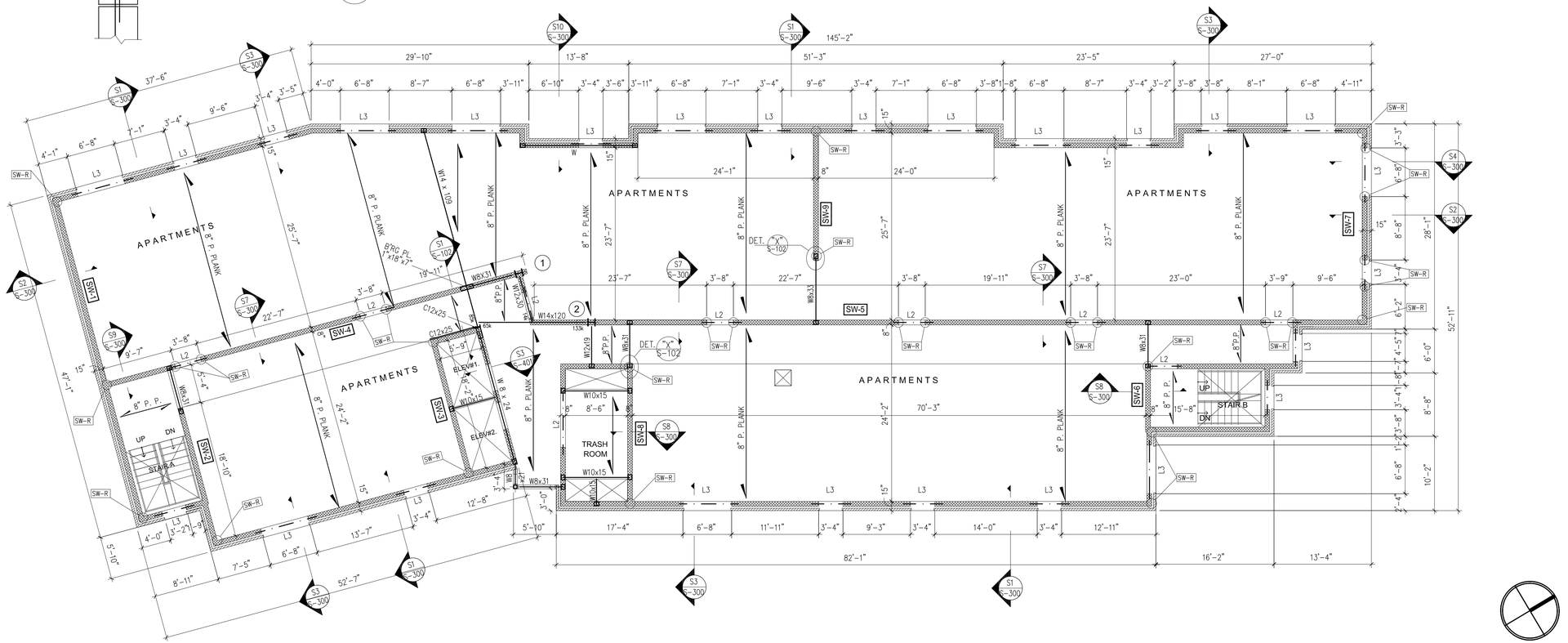


SECTION S1
SCALE: 1"=1'-0"



DETAIL "X"
SCALE: 1"=1'-0"



SECOND FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF CONC. PLANK ELEV.= 9'-6" (111.16)
2. TOP OF STR. STEEL ELEV.= (0'-8" BELOW CONC. PLANK U.O.N.)
3. SW-R INDICATES SW CORNER REINF., SEE DET. ON DWG S-401 (TABE S4.1)

LOADING SCHEDULE APARTMENTS	
8" PRECAST PLANK	64 PSF
PARTITION	12 PSF
FINISH	2 PSF
MECHANICAL	2 PSF
LIVE LOADS	40 PSF
TOTAL	120 PSF

PROMESA

PROJECT TITLE:

SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
BRONX, NY 10458

KEY PLAN:

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ENGINEERING CONSULTANT:
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SECOND FLOOR FRAMING PLAN

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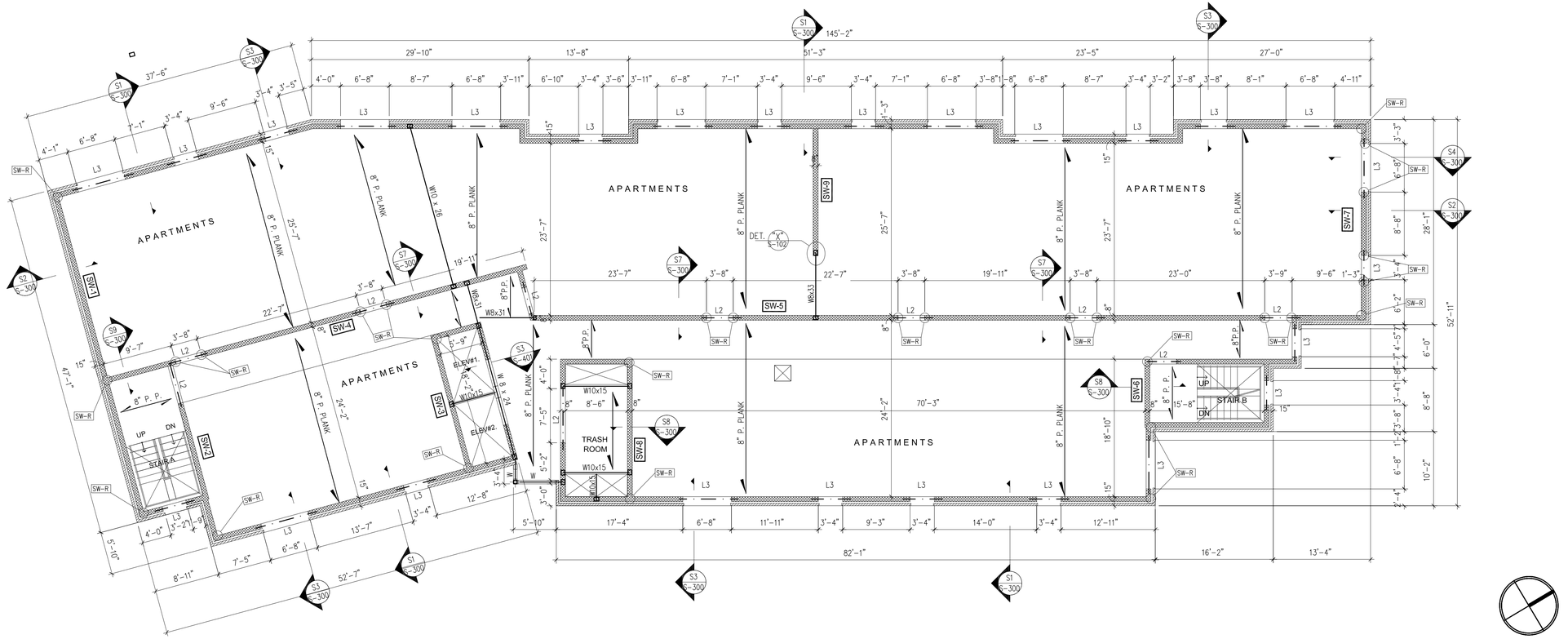

TYPICAL (3-5) FLOOR FRAMING PLAN

SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF CONC. PLANK ELEV.- 3rd FLOOR =18'-6" (120.16)
   4th FLOOR =27'-6" (129.16)
   5th FLOOR =36'-6" (138.16)
2. TOP OF STR. STEEL ELEV.= (0'-8" BELOW CONC. PLANK U.O.N.)
3. SW-R INDICATES SW CORNER REINF., SEE DET. ON DWG S-401 (TABE S4.1)

LOADING SCHEDULE APARTMENTS	
8" PRECAST PLANK	64 PSF
PARTITION	12 PSF
FINISH	2 PSF
MECHANICAL	2 PSF
LIVE LOADS	40 PSF
TOTAL	120 PSF

PROMESA

PROJECT TITLE:

SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
BRONX, NY 10458

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TYPICAL(3-5) FLOOR
FRAMING PLAN

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JOB #: 09J06

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SCALE: AS NOTED

DRAWING #: S-103.00

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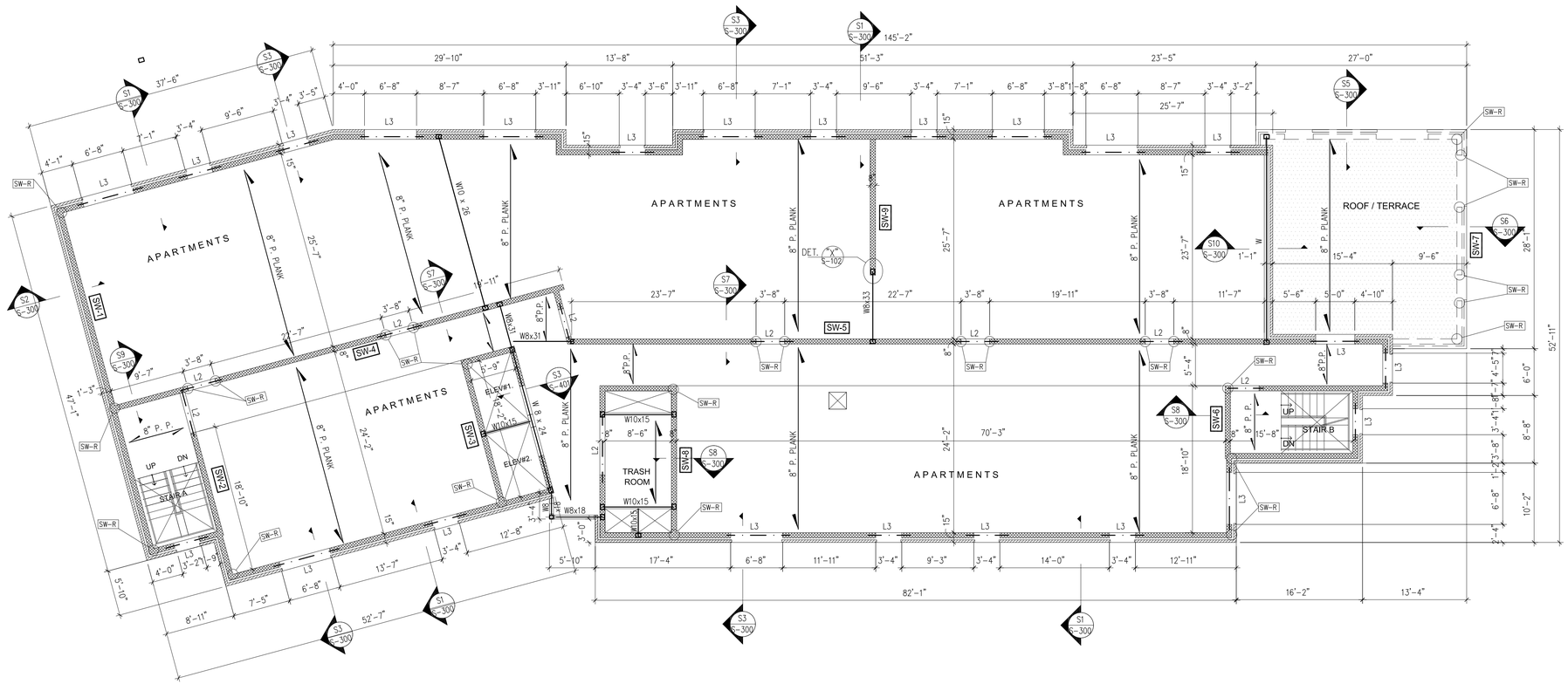

SIXTH FLOOR FRAMING PLAN

SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF CONC. PLANK ELEV.= 45'-10" (147.49)
2. TOP OF STR. STEEL ELEV.= (0'-8" BELOW CONC. PLANK U.O.N.)
3. SW-R INDICATES SW CORNER REINF., SEE DET. ON DWG S-401 (TABE S4.1)

LOADING SCHEDULE APARTMENTS	
8" PRECAST PLANK	64 PSF
PARTITION	12 PSF
FINISH	2 PSF
MECHANICAL	2 PSF
LIVE LOADS	40 PSF
TOTAL	120 PSF

LOADING SCHEDULE ROOF/TERRACE	
8" PRECAST PLANK	64 PSF
ROOFING+INS.	7 PSF
TOPPING	30 PSF.
MECHANICAL	2 PSF
LIVE LOADS	100 PSF
TOTAL	203 PSF

PROMESA

PROJECT TITLE:

SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
BRONX, NY 10458

KEY PLAN:

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1	PRELIMINARY	06/21/2012
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DRAWING TITLE:

SIXTH FLOOR
FRAMING PLAN

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DATE: 02/03/2010

JOB #: 09J06

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SCALE: AS NOTED

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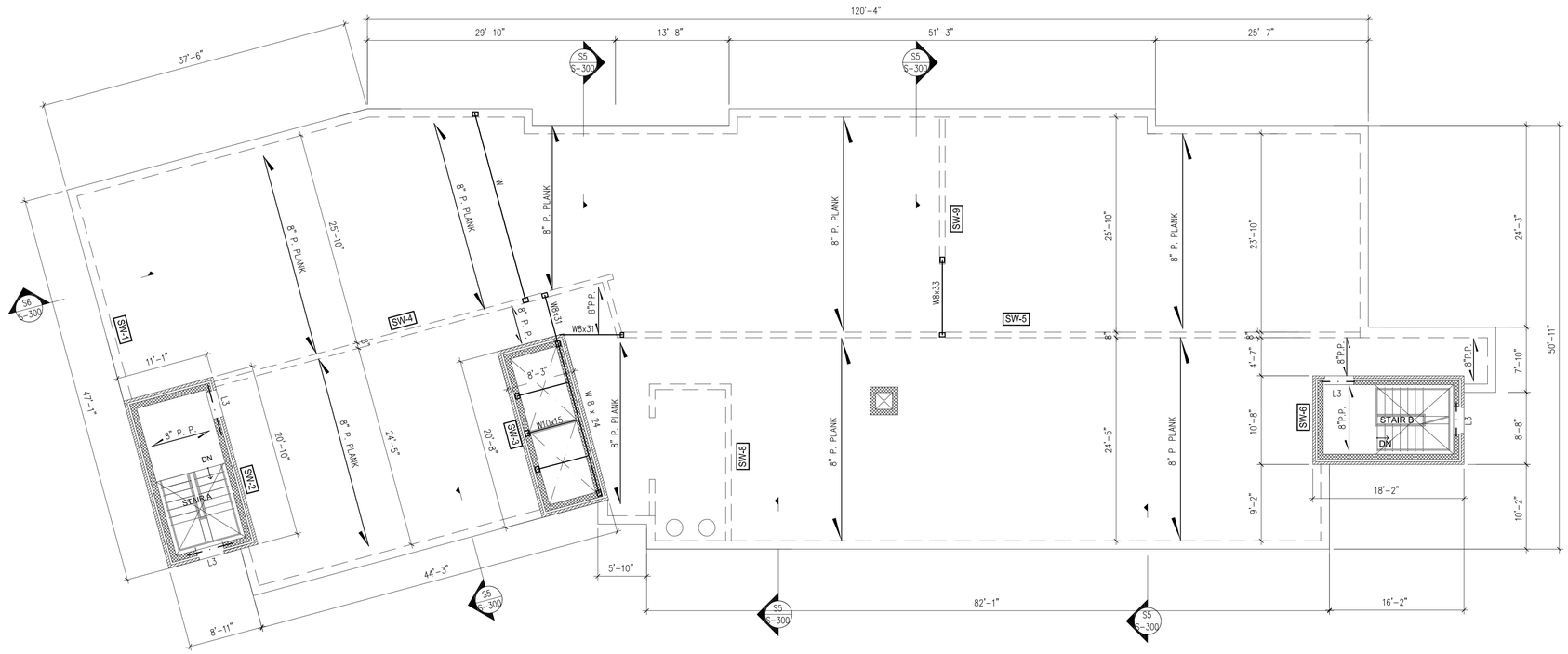


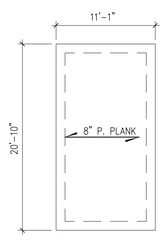
ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF PLANK ELEVATION=55'-6" (157.16)
2. TOP OF STR. STEEL ELEV.= (0'-8" BELOW CONC. PLANK U.O.N.)
3. SW-R INDICATES SW CORNER REINF., SEE DET. ON DWG S-401 (TABE S4.1)

LOADING SCHEDULE ROOF	
8" PRECAST PLANK	64 PSF
ROOFING+INS.	7 PSF
TOPPING	30 PSF.
MECHANICAL	2 PSF
LIVE LOADS	60 PSF
TOTAL	163 PSF

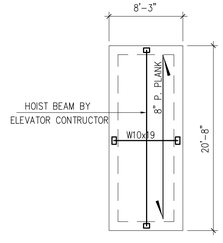


STAIR "A" BULKHEAD FRAMING PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. TOP OF PLANK ELEV.= 64'-8" (166.33)

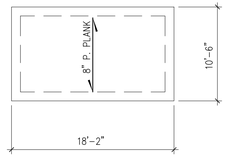


ELEVATOR BULKHEAFRAMING PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. TOP OF PLANK ELEV.=



STAIR "B" BULKHEAD FRAMING PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. TOP OF PLANK ELEV.= 64'-8" (166.33)

PROMESA

PROJECT TITLE:

SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
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KEY PLAN:

THE LISBON

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DRAWING TITLE:

ROOF & BULKHEADS
FRAMING PLAN

ARCHITECT:
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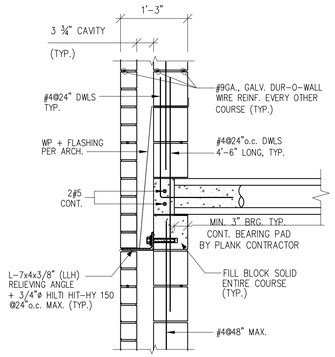

SECTION S1
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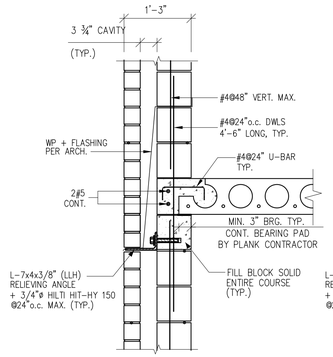

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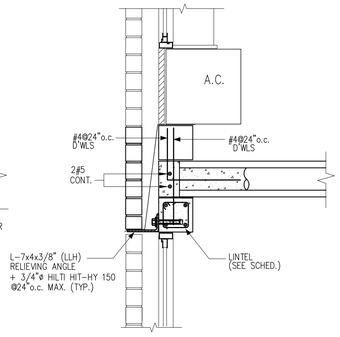

SECTION S3
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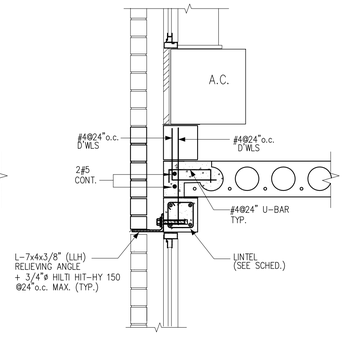

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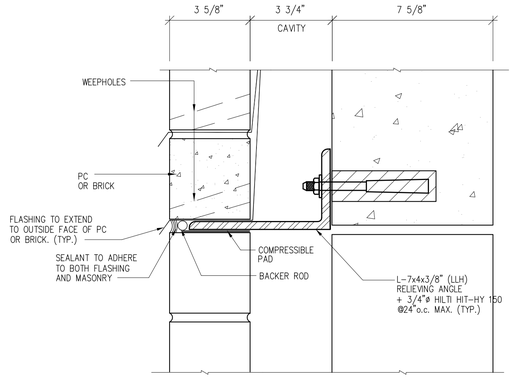
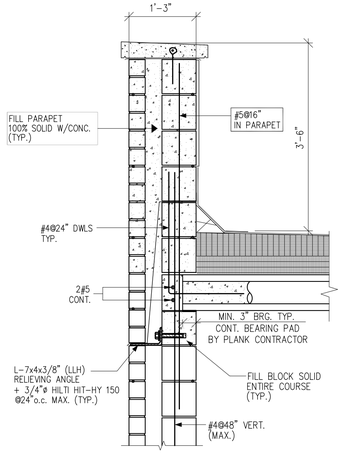


DETAIL "Y"
SCALE: N.T.S.



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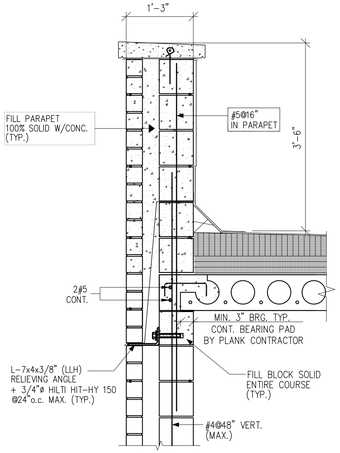

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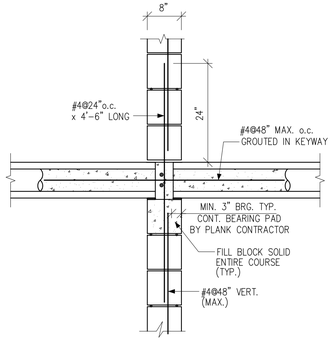

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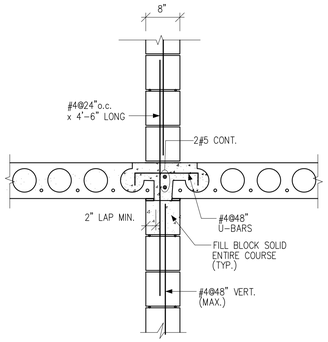

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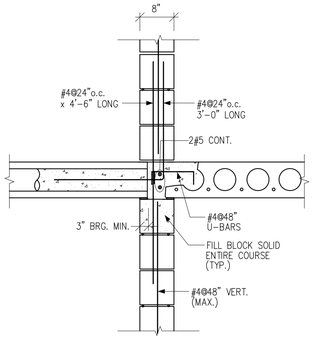

SECTION S9
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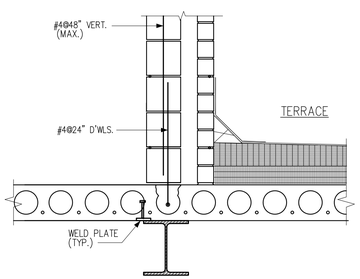

PROMESA

PROJECT TITLE:

SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
BRONX, NY 10458

KEY PLAN:

THE LISBON

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JOB #: 09J06

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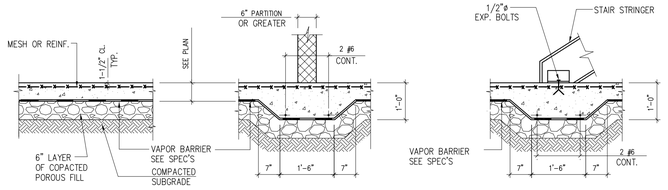


A

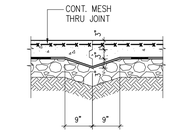
TYPICAL

B

AT PARTITION

C

AT STAIR SUPPORT



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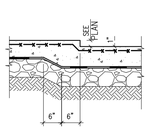
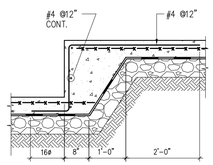
AT CONSTRUCTION JOINT



E

AT DEPRESSION 8" OR LESS



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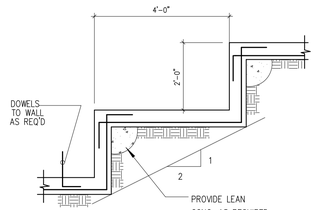
AT DEPRESSION GREATER THAN 8"

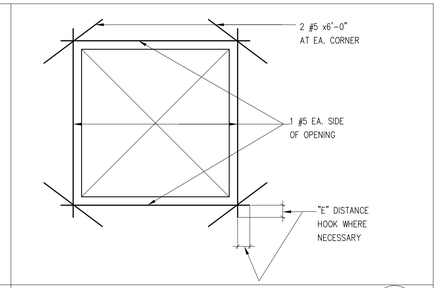
TYPICAL SLAB ON GRADE DETAILS

S1



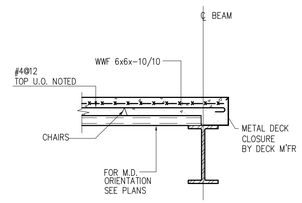
TYP. STEPPED FOOTING DETAIL

S2



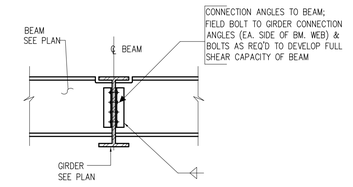
TYP. DETAIL OF ADDED REINF. @ WALL OPENING

S3



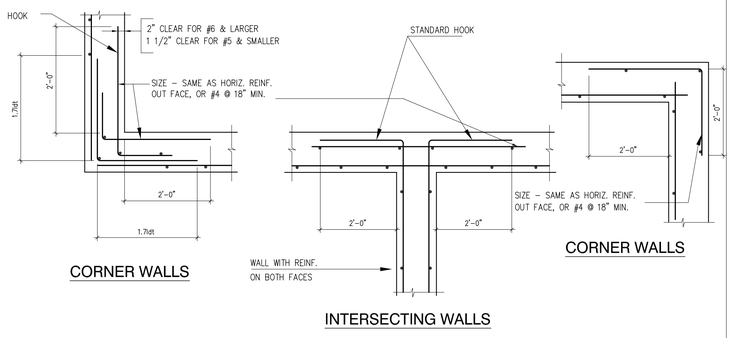
TYP. DETAIL AT FLOOR OPENING

S4



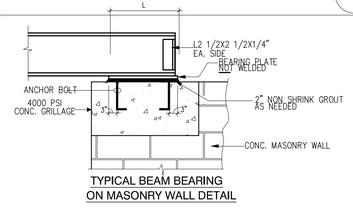
TYP. BEAM TO GIRDER CONNECTION

S5

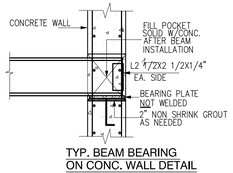


DETAIL OF REINFORCING AT WALL CORNERS

S6



TYPICAL BEAM BEARING ON MASONRY WALL DETAIL



TYP. BEAM BEARING ON CONC. WALL DETAIL

BEAM BEARING PLATE ON 8" MASONRY WALL		
REACTION	SIZE (W x L)	GRILLAGE
50k	6 x 8	——
75k	6 x 12	——
100k	7 x 14	——
150k	7 x 12	11 x 20 CONC. GRILLAGE
200k	7 x 12	12 x 24 CONC. GRILLAGE
250k	7 x 12	12 x 36 CONC. GRILLAGE

BEAM BEARING PLATE ON 12" MASONRY WALL		
REACTION	SIZE (W x L)	GRILLAGE
50k	10 x 8	——
75k	10 x 12	——
100k	11 x 14	——
150k	11 x 12	11 x 20 CONC. GRILLAGE
200k	11 x 12	12 x 24 CONC. GRILLAGE
250k	11 x 12	12 x 36 CONC. GRILLAGE

BEAM BEARING PLATE ON CONCRETE WALL	
REACTION	SIZE (L x W x thickness)
50k	10 x 10 x 3/4"
100k	12 x 12 x 3/4"
150k	12 x 12 x 1"
200k	14 x 12 x 1"
250k	16 x 12 x 1 1/2"

TYPICAL BEAM BEARING PLATE DETAIL

S7

PROMESA

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DATE: 02/03/2010

JOB #: 09J06

DRAWN BY: LM

SCALE: AS NOTED

DRAWING #: S-400.00

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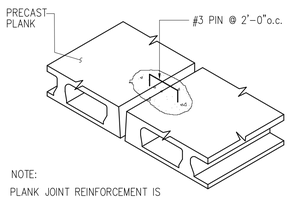
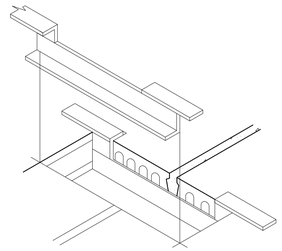
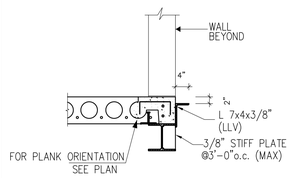


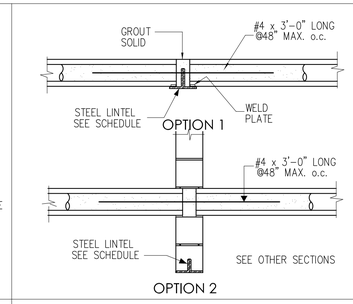
TYP. JOINT REINFOCEMENT DETAIL S1



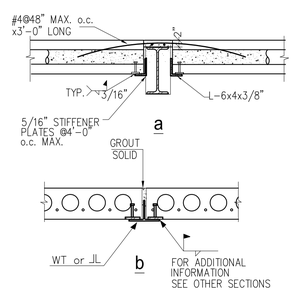
TYPICAL PLANK SUPPORT DETAIL AT FLOOR OPENING S2



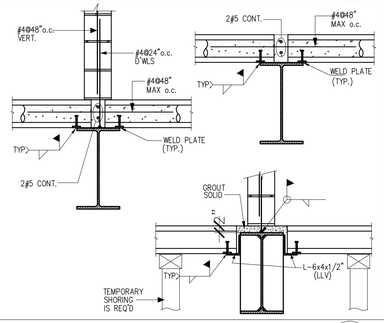
ELEVATOR SILL DETAIL S3



SECTIONS @ LINTELS S4



SECTION S5



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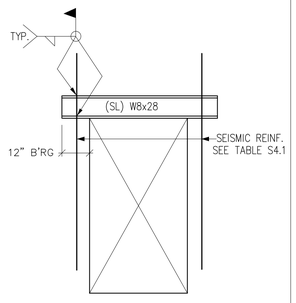
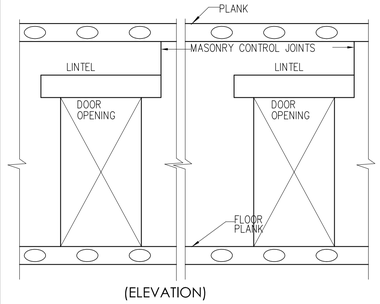
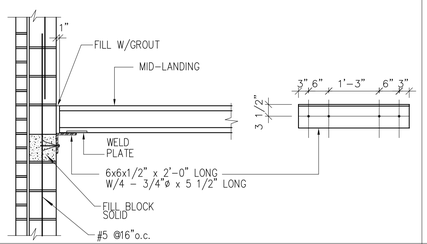


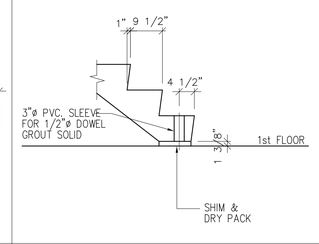
TYPICAL DETAIL @ SEISMIC LINTEL (SL) S7



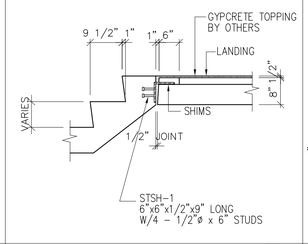
TYPICAL MASONRY CONTROL JOINT AT INTERIOR MASONRY BEARING WALLS S8



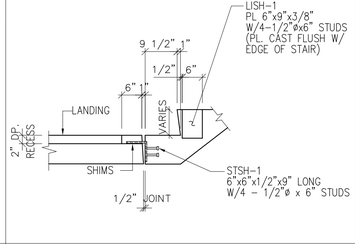
SECTION S9



SECTION S10



SECTION S11

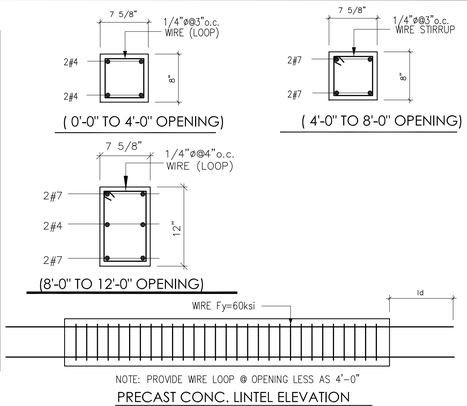


SECTION S12

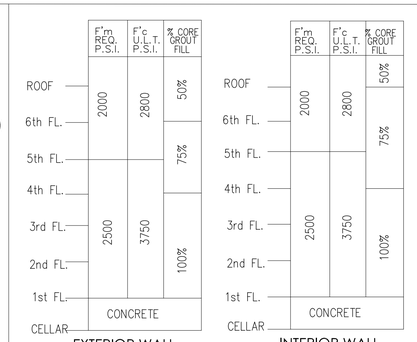
TYPICAL PRECAST CONCRETE STAIRS SUPPORT DETAILS

LOOSE LINTEL SCHEDULE

MARK	SIZE			
	WALL THICKNESS	UNDER 4'-0" OPENING	4'-0" TO 8'-0" OPENING	8'-0" TO 12'-0" OPENING
L1	4"	IL-4x3 1/2x5/16	IL-4x3 1/2x3/8	
	6"	IL-5x3 1/2x5/16	IL-5x5x3/8	1L-8x6x7/16
	8"	2Ls-4x3x5/16	2Ls-4x3x3/8	2Ls-6x3 1/2x3/8
	NOTES: 1.-PLACE 5"LEG HORIZONTAL(MIN.) 2.-ADD 1L FOR EA. ADDITIONAL 4" EA. OF MASONRY WALL			
L2	UNDER 4'-0" OPENING		4'-0" TO 6'-0" OPENING	6'-0" TO 8'-0" OPENING
	OPTION 1	∡ 2- 6x4x3/8(LLV)	∡ 2- 6x4x3/8(LLV)	W8x24
L3	L-7x4x3/8" LLH, CONT. , EXTERIOR EXPOSURE, OR GALV. + HSS 7x7x1/4" (DO NOT WELD ANGLE TO HSS TUBE!)			
L3 (OPTIONAL)	L-7x4x3/8" LLH, CONT. , EXTERIOR EXPOSURE, OR GALV. + PRECAST CONC. LINTEL (SEE DETAILS)			
	NOTES: 1.-PROVIDE 6" BEARING AT EA. END a. L1 AT NON-BEARING MASONRY WALLS. b. L2 AT BEARING MASONRY WALLS. c. L3 AT EXTERIOR WALLS.			



LOOSE LINTEL SCHEDULE S13

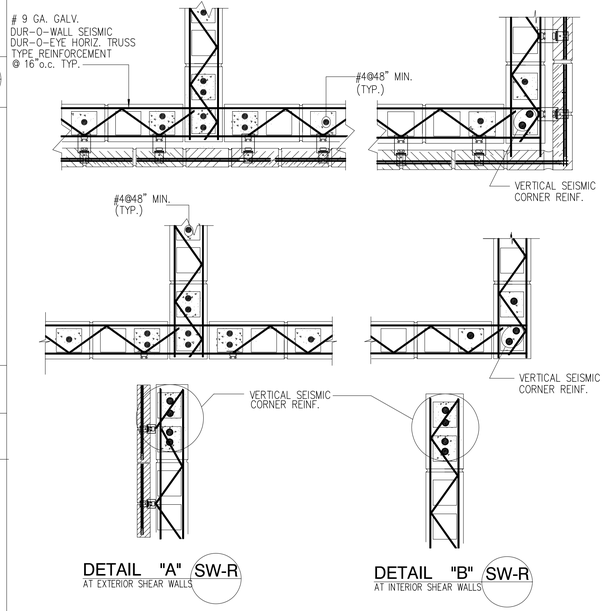


NOTE 1. MASONRY IS DESIGNED IN ACCORDANCE WITH N.Y.C. BUILDING CODE RS-10-14.2.2(a) AND JOINT ACI 530, ASCE 5, TMS 420

TYPICAL BEARING WALL SCHEDULE S14

TABLE S4.1 SHEAR WALL END ZONE MASONRY WALL REINF.	
BULKHEAD	2#5
ROOF	2#6
6th FL.	2#6
5th FL.	4#6
4th FL.	4#6
3rd FL.	4#7
2nd FL.	4#7
1st FL.	4#7
CELLAR	

SHEAR WALL REINFORCEMENT



DETAIL "A" SW-R
AT EXTERIOR SHEAR WALLS

DETAIL "B" SW-R
AT INTERIOR SHEAR WALLS

PROMESA

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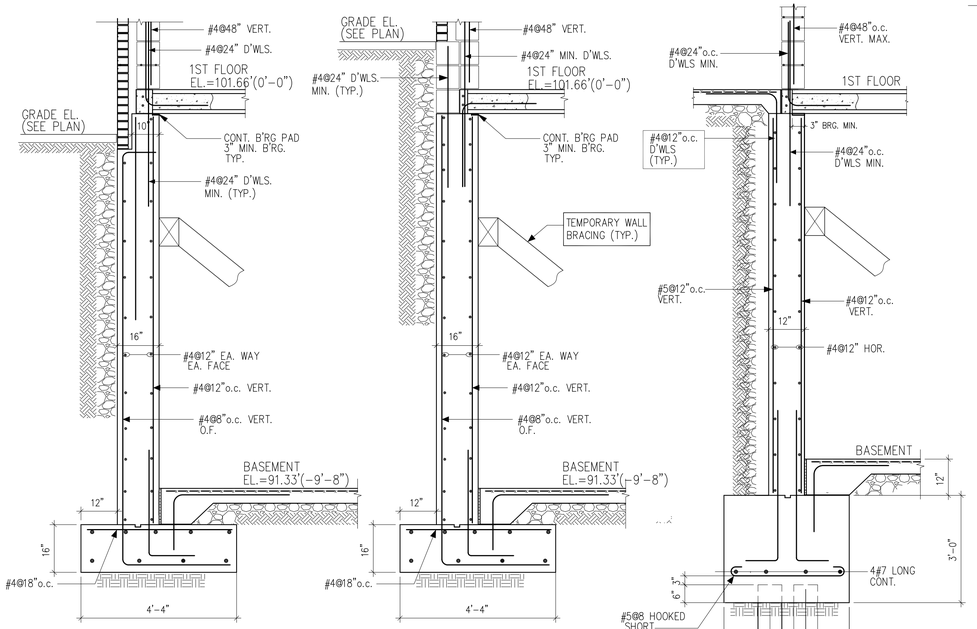
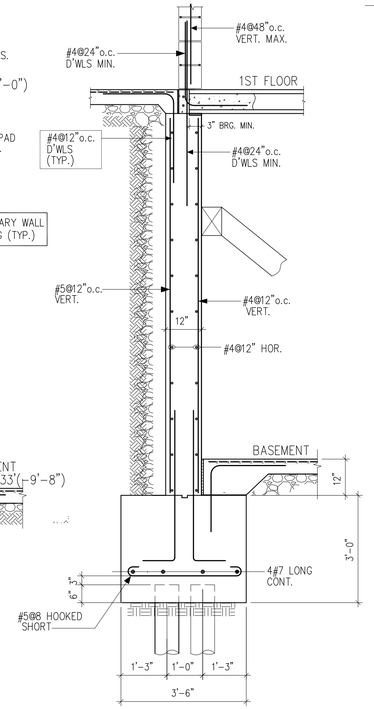


SECTION S4
SCALE: 1/2"=1'-0"

SECTION S3
SCALE: 1/2"=1'-0"



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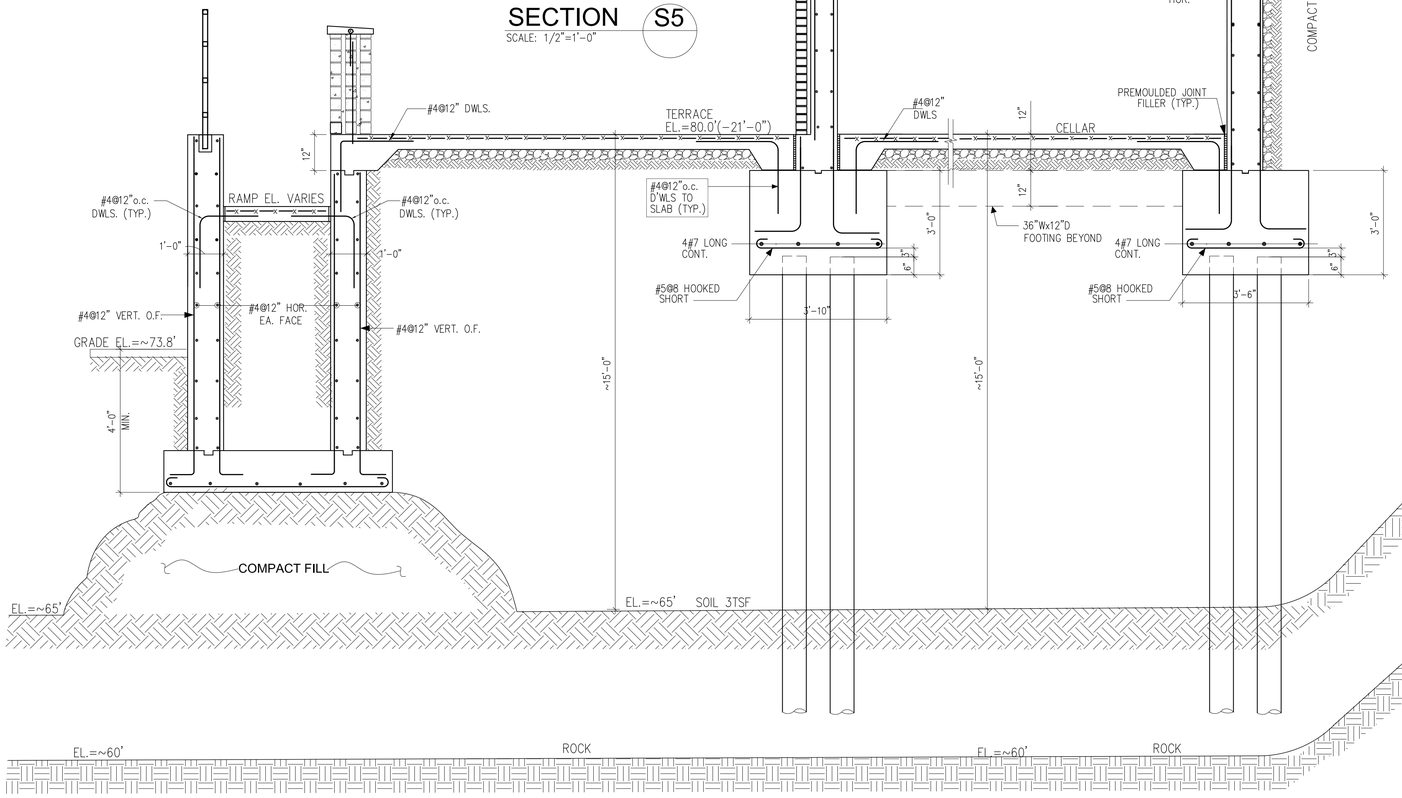

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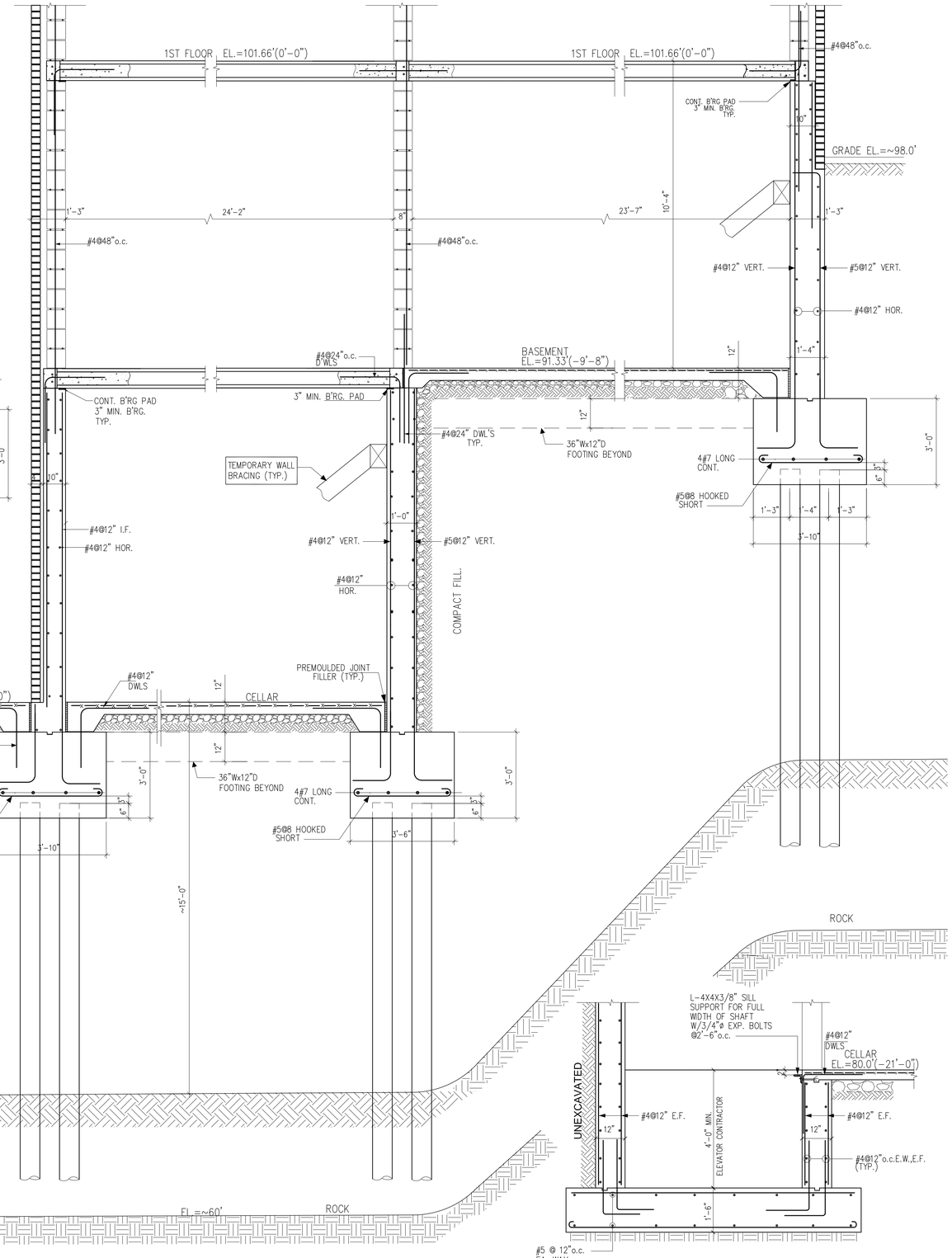

SECTION S2 @ ELEVATOR PIT
SCALE: 1/2"=1'-0"

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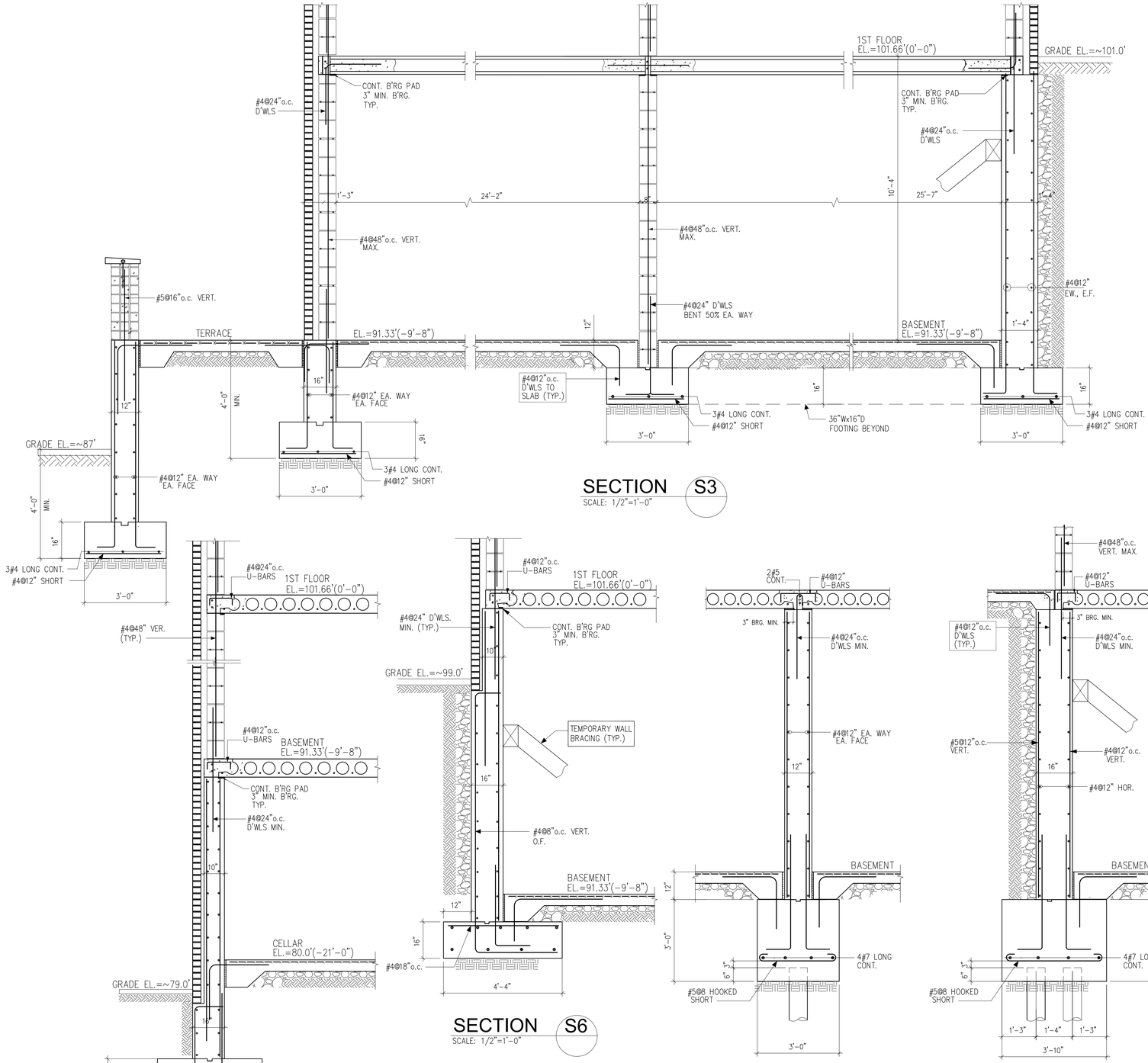

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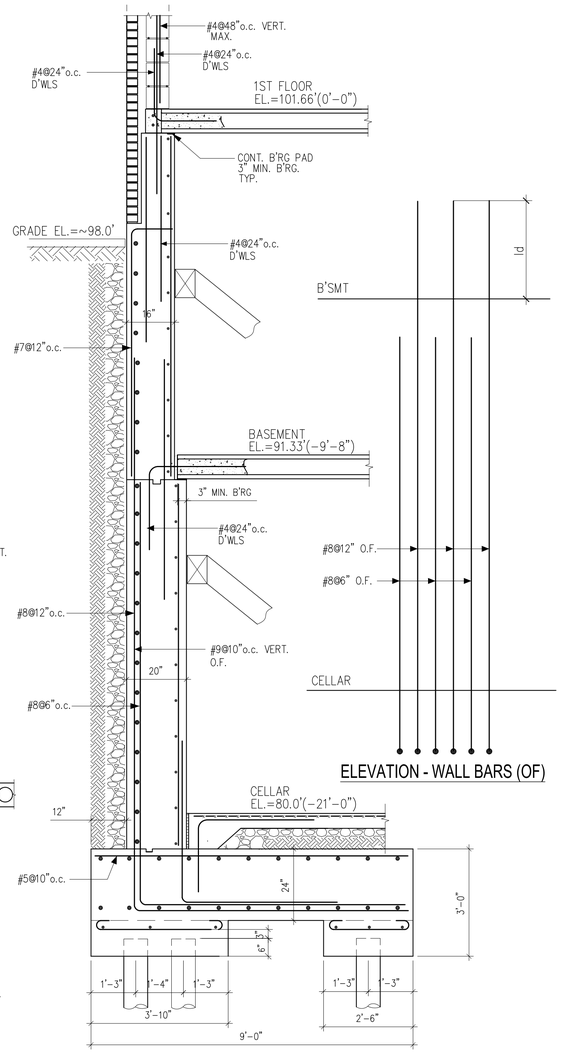
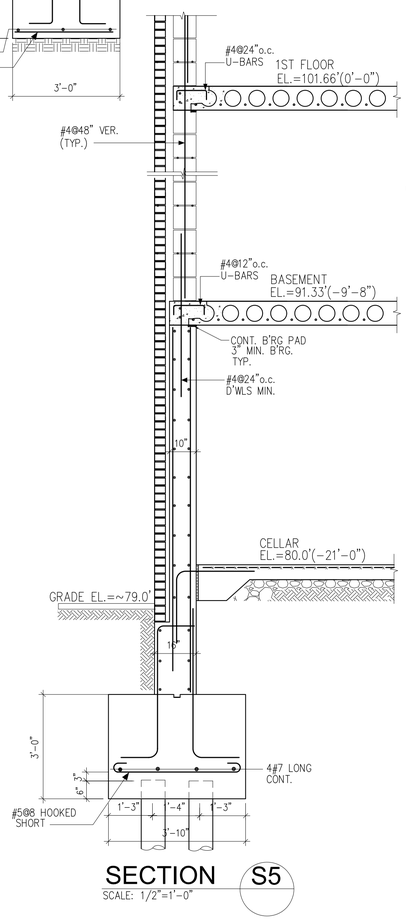


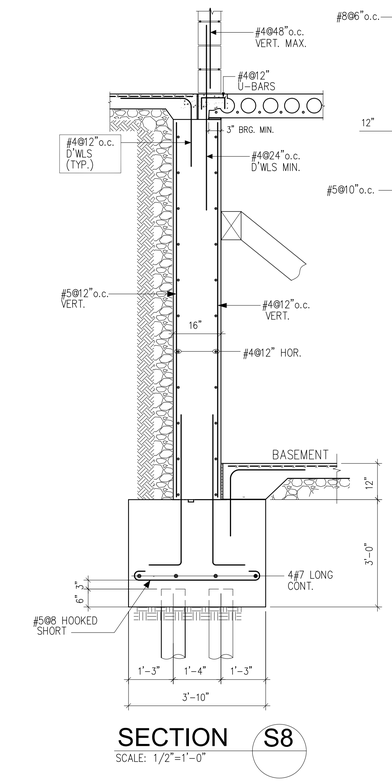
ELEVATION - WALL BARS (OF)



SECTION S5
SCALE: 1/2"=1'-0"

SECTION S6
SCALE: 1/2"=1'-0"

SECTION S7
SCALE: 1/2"=1'-0"



SECTION S8
SCALE: 1/2"=1'-0"

SECTION S4 @ RETAINING WALL
SCALE: 1/2"=1'-0"

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SCALE: AS NOTED

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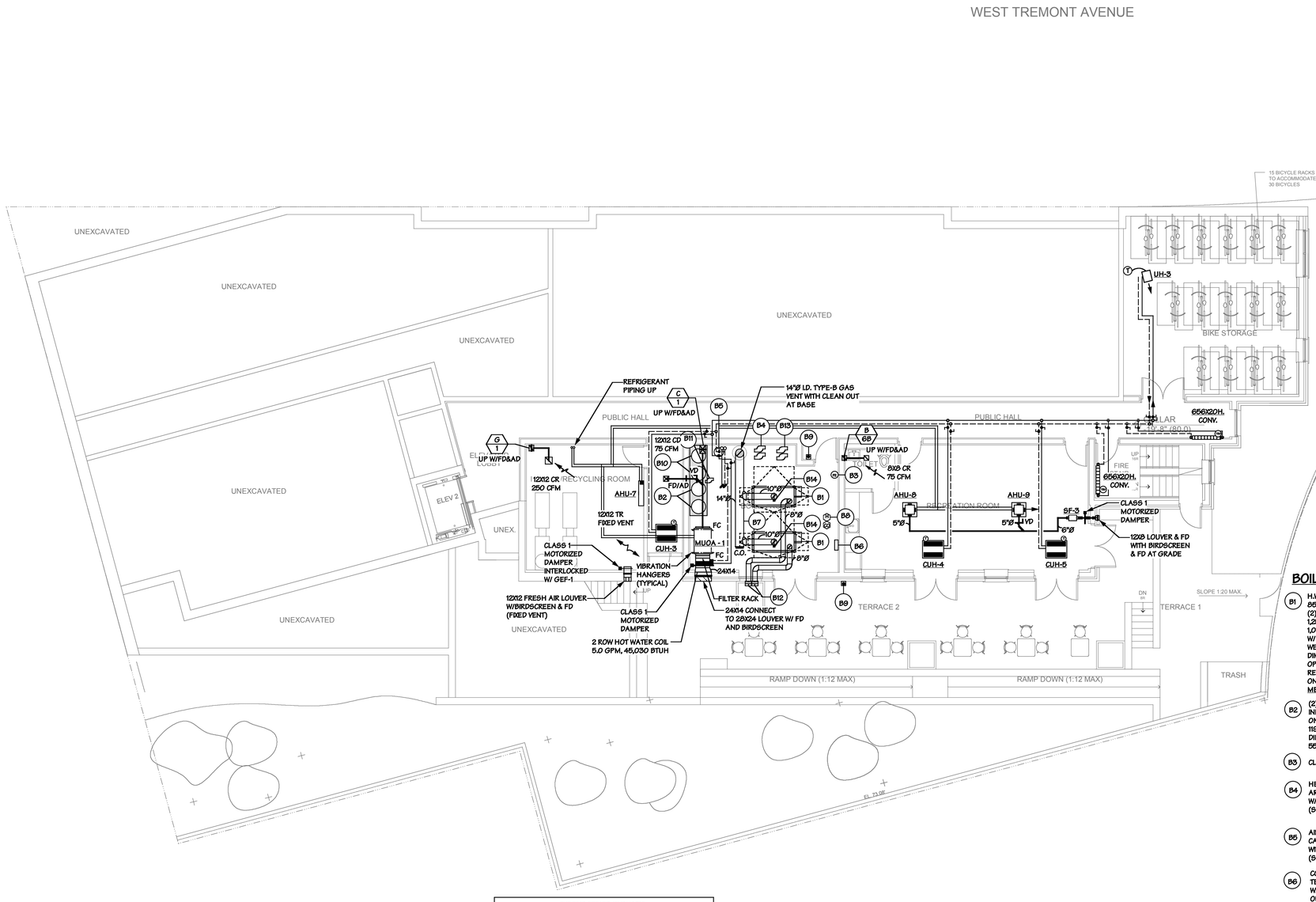

BUILDING DEPARTMENT NOTES

GENERAL NOTES FOR VENTILATING EXAMINATION UNDER NEW BUILDING CODE

1. TEMPERATURE REQUIREMENTS AS PER MECHANICAL CODE (MC) 3091.1 & SECTION 1224.1 IN NYC BUILDING CODE.
2. VENTILATION OF ALL REQUIRED ROOMS ACCORDING TO SECTION MC 403.
3. NOISE CONTROL OF EXTERIOR MECHANICAL EQUIPMENT AS PERTINENT TO MC 9330.
4. CONSTRUCTION OF DUCTS FOR VENTILATING AS PER MC 603.
5. MATERIAL AND THICKNESS OF DUCTS AS PER MC 603, TABLE 603-4
6. DUCT COVERING AND LINING AS PER MC 604.3 FLAME SPREAD RATING NOT OVER 25 AND SMOKE DEVELOPED RATING NOT OVER 50.
7. FIRE DAMPERS WILL BE PROVIDED - AS PER MC 607 & SECTION 712 OF NYC BUILDING CODE.
8. CONSTRUCTION OF FIRE DAMPERS AS PER MC 607.3.10
9. ALL MECHANICAL PLANS WILL COMPLY WITH NYC BUILDING CODE CHAPTERS: 12, 13, 27, AND 28; AND MECHANICAL CODE CHAPTERS: 3, 4, 5, 10, AND 11.
10. ALL ELECTRICAL WIRING AS PER THE NEC (2008, CH.2 & CH. 3
11. THE OWNER IS AWARE OF THE REQUIREMENTS INDICATED IN ARTICLE 155 OF THE ADMINISTRATIVE PROVISIONS IN THE 2008 NYC BUILDING CODE FOR OBTAINING A CERTIFICATE OF OCCUPANCY.
12. FIRE STOPPING OF DUCTS, PIPES AND CONDUITS THROUGH RATED CONSTRUCTION AS PER NYC BUILDING CODE 712.3
13. SPECIAL INSPECTION SHALL BE PERFORMED AS REQUIRED IN ARTICLE 113 AND ARTICLE 116 OF THE ADMINISTRATIVE PROVISION IN THE 2008 NYC BUILDING CODE AS WELL AS BC 1704 AND BC 1704.15
14. OPERATION AND MAINTENANCE REQUIREMENTS OUTLINED IN CH. 5 OF THE ADMINISTRATIVE PROVISIONS OF THE 2008 NYC BUILDING CODE.
15. ITEMS OF CONSTRUCTION REQUIRING CONTROLLED SPECIAL INSPECTION SHALL HAVE ALL NECESSARY FORMS FILED PRIOR TO START OF SUAD WORK AND PRIOR TO OBTAINING A CERTIFICATE OF OCCUPANCY.
16. INSULATION AND CLEARANCES FOR ALL PIPING CONTAINING STEAM, HOT WATER OR OTHER FLUID AS PER MC 1204.

SPECIAL INSPECTIONS REQUIRED (TR-1):

1.MECHANICAL SYSTEMS.
2. HEATING SYSTEMS.

PROGRESS INSPECTIONS REQUIRED (TR-1):

1.PRELIMINARY:
2. ENERGY CODE COMPLIANCE INSPECTIONS.
3. FINAL.

ENERGY CODE PROGRESS INSPECTIONS REQUIRED (TR-8):

1.HVAC AND SERVICE WATER HEATING EQUIPMENT.
2. HVAC AND SERVICE WATER HEATING SYSTEM CONTROLS.
3. MAINTENANCE INFORMATION.

BOILER ROOM KEY NOTES:

- B1 H.W. BOILER-HEATING 85.1% EFFICIENT (2) LAARS PENNANT #PNCH-1250 1,250,000 BTUH INPUT EACH 1,063,000 BTUH OUTPUT EACH W/ INTEGRAL 1/2 HP PUMP WEIGHT: 675 LBS. EACH DIM: 69" X 29.5" X 41.5" H EACH OPERATING PRESSURE 75 PSI EACH RELIEF VALVE SET AT 125 PSI EACH ON 4" CONC. PAD BY G.C. MEA#136-03-E VOL II
- B2 (2) TURBOMAX MODEL#T-109 INDIRECT HOT WATER TANKS ON 4" CONC. PAD 119 GAL. CAPACITY EACH DIM: 29" DIA. X 72.75" H 555 LBS. SHIP WT.
- B3 CLASS A FIRE EXTINGUISHER
- B4 HEATING CIRCULATING PUMPS (ONE SPARE) ARMSTRONG MODEL#4380 0308-005.04 W/ VFD DRIVES AND PREMIUM EFFICIENCY MOTORS (SEE SCHEDULE)
- B5 AIR/DIRT SEPARATOR CALEFFI MODEL #NA548102A WITH INSULATION. (SEE SCHEDULE)
- B6 CONTROL PANELS TEKMAR MODEL#274 W/NIGHT SETBACK AND OUTDOOR TEMPERATURE CONTROL RESET AND (2) TEKMAR #132 PUMP SEQUENCERS
- B7 NEW 14"Ø TYPE-B GAS VENT
- B8 HEAT DETECTOR AND CARBON MONOXIDE DETECTOR
- B9 EMERGENCY DISCONNECT SWITCH FOR BOILERS (WEATHERPROOF)
- B10 EXPANSION TANKS (2) ARMSTRONG MODEL #AX-180V 91 GALLONS EA. 24"DIA. X 56" H. WT.265 LBS
- B11 HOT WATER RECIRC. PUMP 1/3 HP BRONZE CIRCULATOR PREMIUM NEMA EFFICIENT MOTOR
- B12 LAARS VENT TERMINATION KIT MODEL# CA001403
- B13 TURBOMAX PUMPS (ONE SPARE) ARMSTRONG MODEL#E-E33-0.4 HP, PREMIUM EFFICIENCY MOTORS. (SEE SCHEDULE)
- B14 BAROMETRIC DAMPER

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PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
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CIVIL ENGINEERING CONSULTANT:

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SEAL & SIGNATURE:

DRAWING TITLE:

CELLAR FLOOR PLAN

ARCHITECT:
OCV
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WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

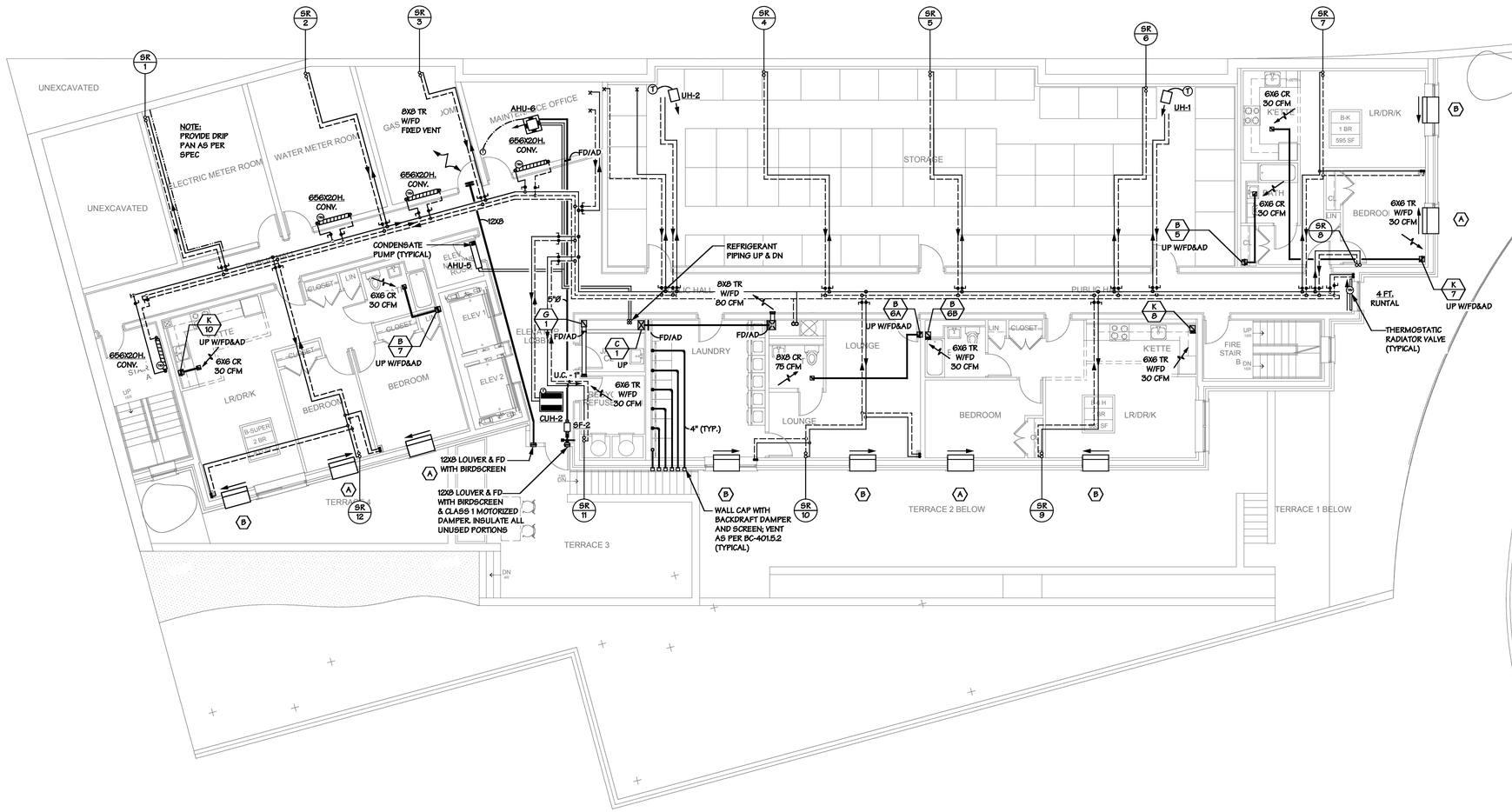
DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: YL/PJ

SCALE: 1/8"=1'-0"

DRAWING #: M-001.00



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BASEMENT FLOOR PLAN

ARCHITECT:

OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: YL/PJ

SCALE: 1/8"=1'-0"

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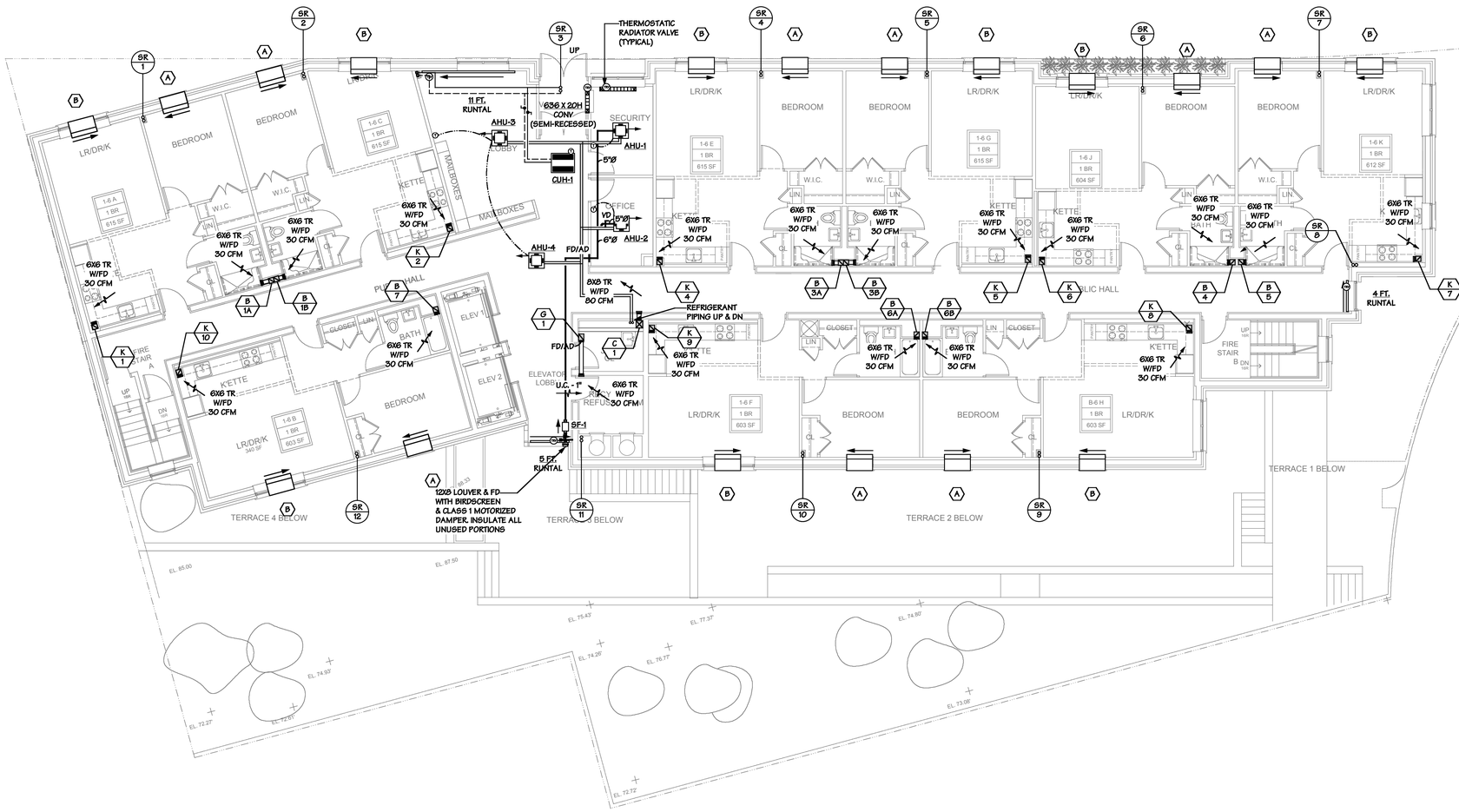

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FIRST FLOOR PLAN

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO PC
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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
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DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: YL/PJ

SCALE: 1/8"=1'-0"

DRAWING #:

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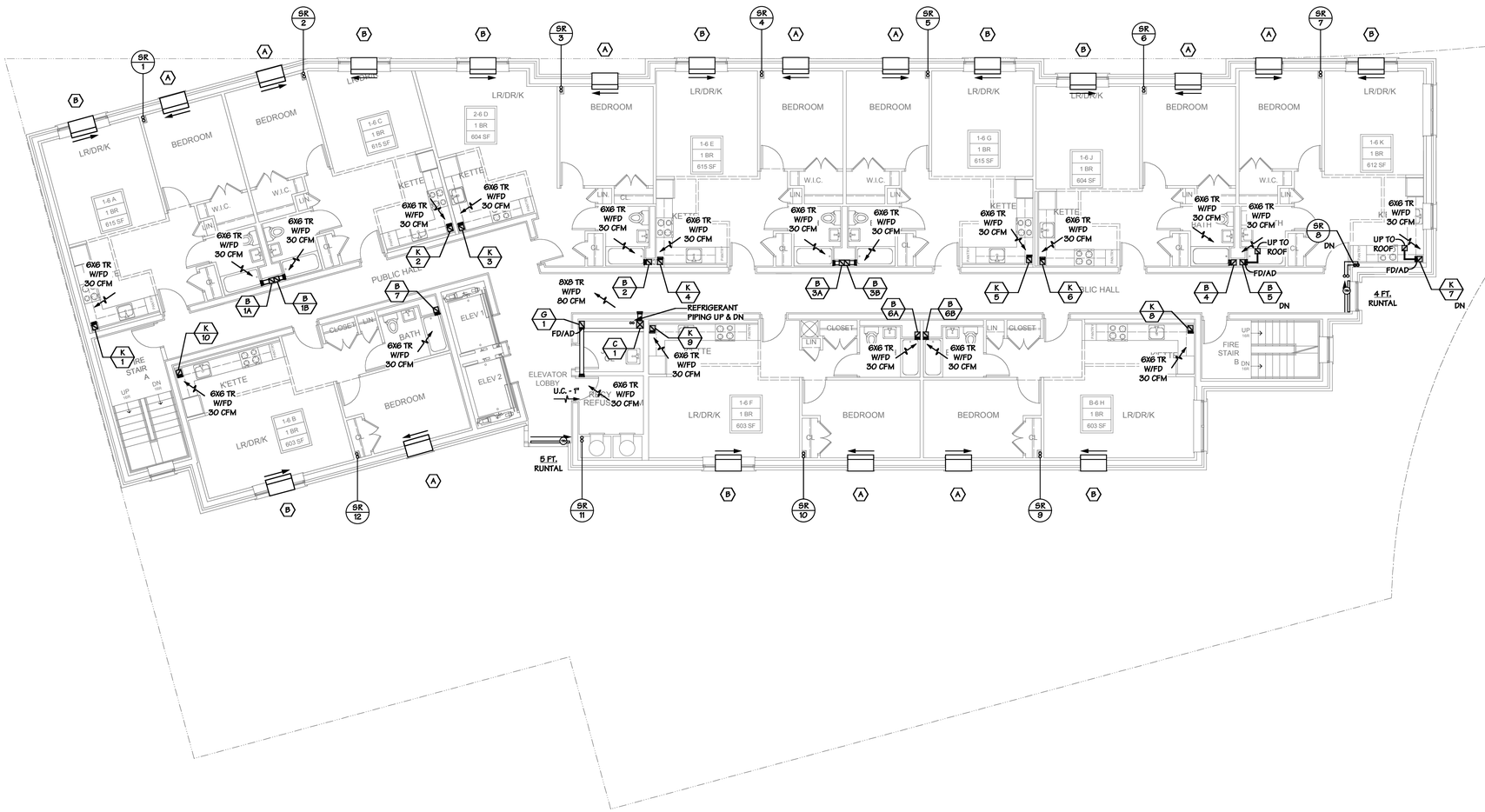

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TYPICAL (2-5) FLOOR PLAN

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DATE: 05/18/2012

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SCALE: 1/8"=1'-0"

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PAGE #:

4 OF 12

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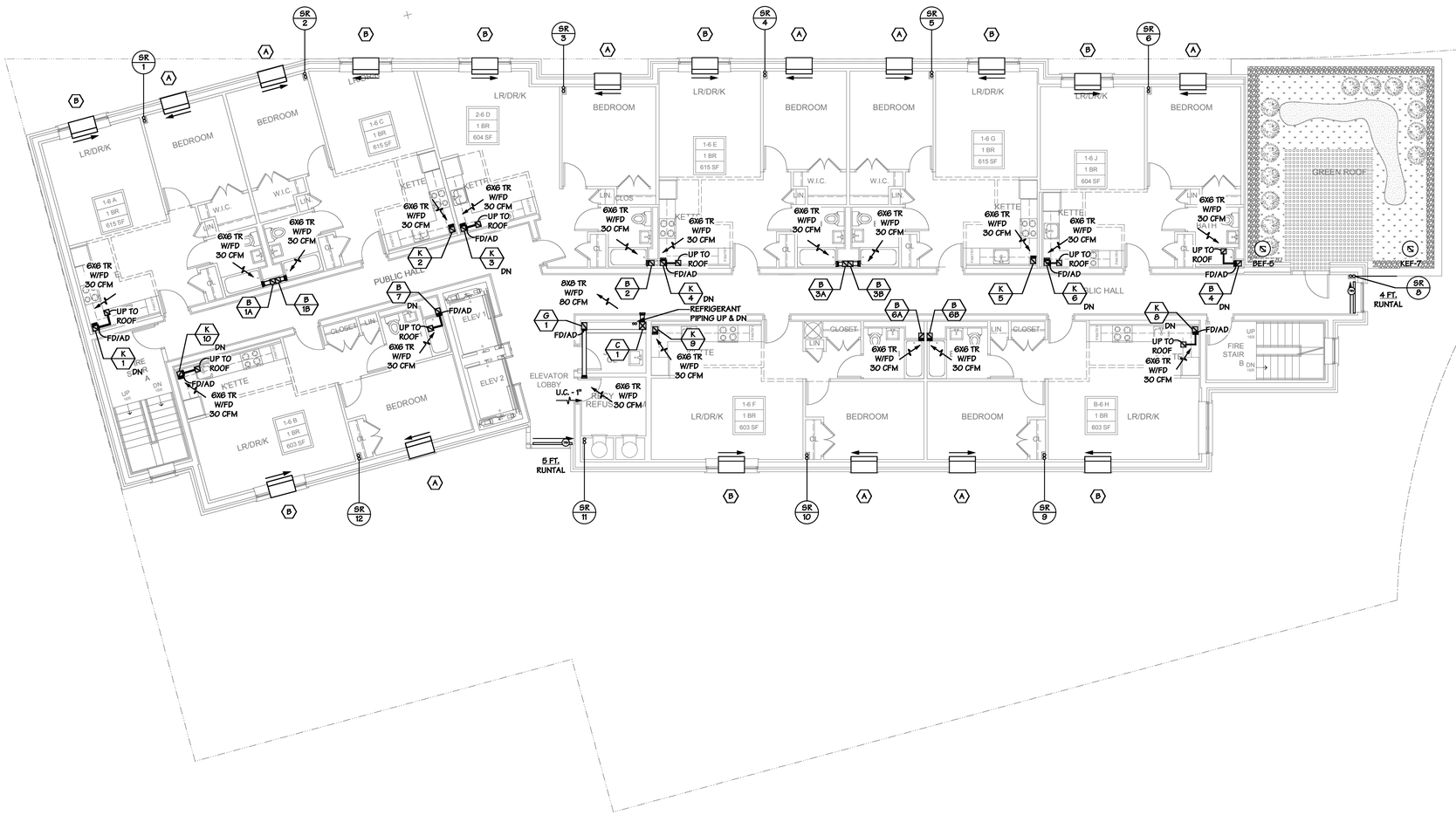

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DRAWING TITLE:

SIXTH FLOOR PLAN

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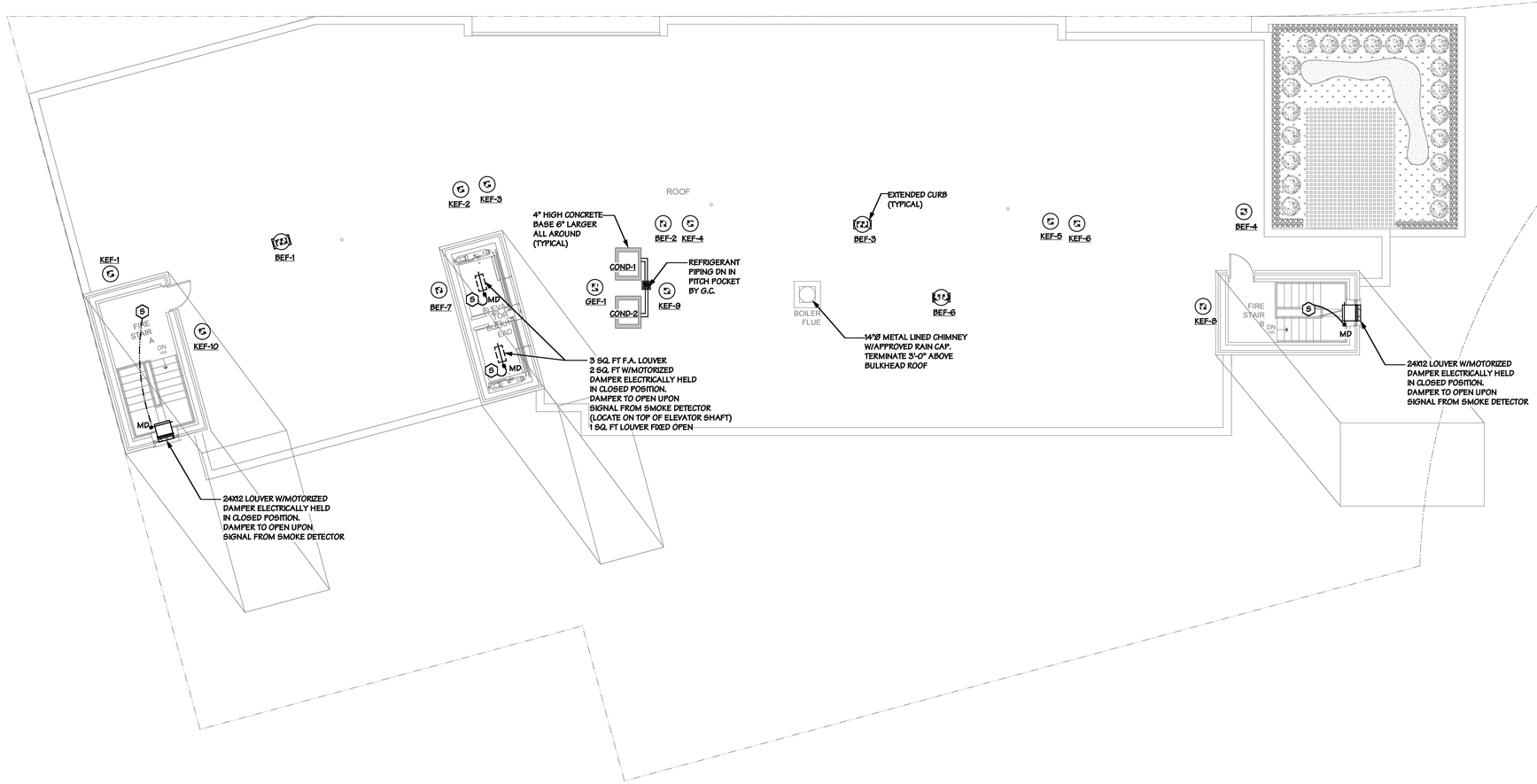
DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: YL/PJ

SCALE: 1/8"=1'-0"

DRAWING #: M-005.00



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ROOF PLAN

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DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: YL/PJ
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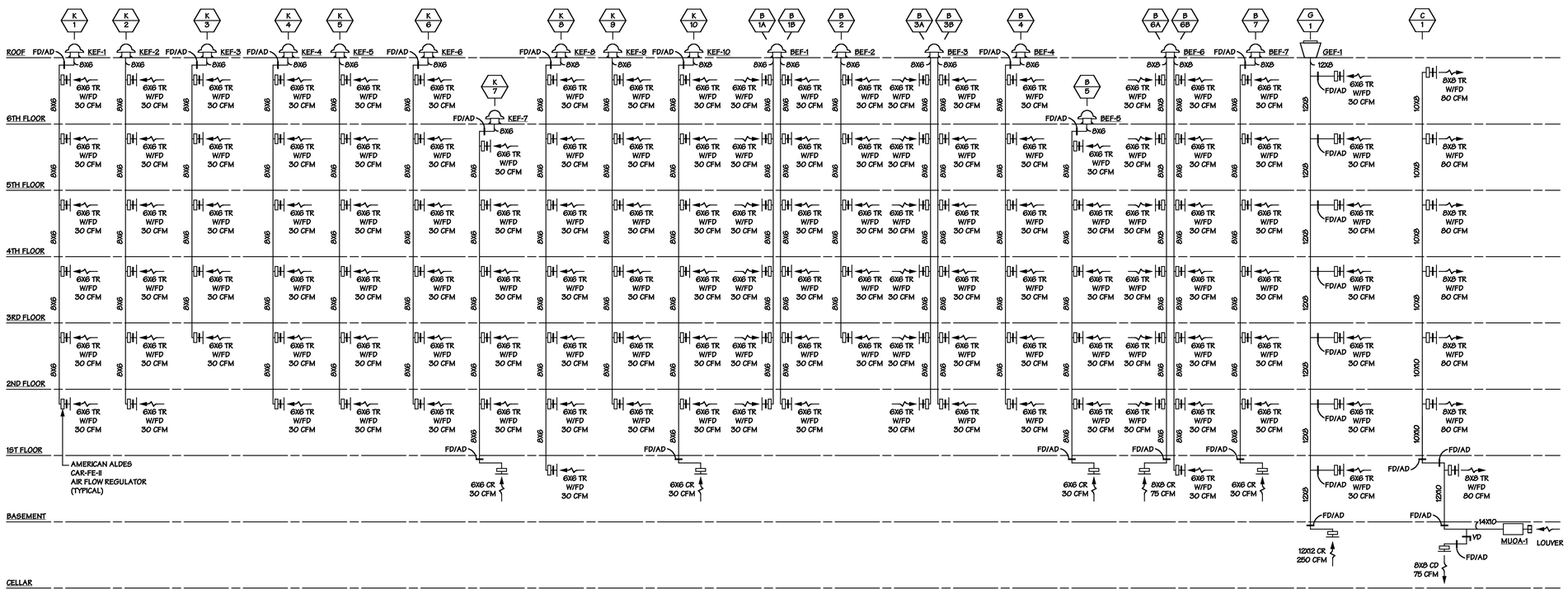
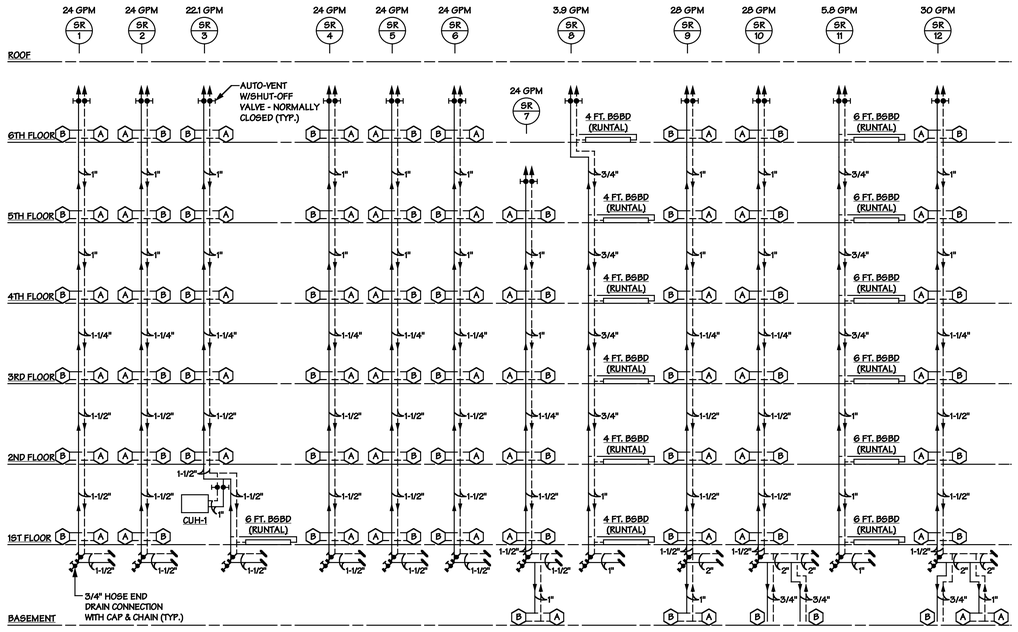


VENTILATION RISER DIAGRAM

NOT TO SCALE

VENTILATION NOTES

1. BATHROOM EXHAUST DUCTS TO 22 GAUGE.
2. KITCHEN EXHAUST TO BE 18 GAUGE.
3. CORRIDOR SUPPLY AND COMPACTOR EXHAUST DUCT TO BE 18 GAUGE
4. SEE PLANS FOR OFFSETS AND ADDITIONAL FD'S.

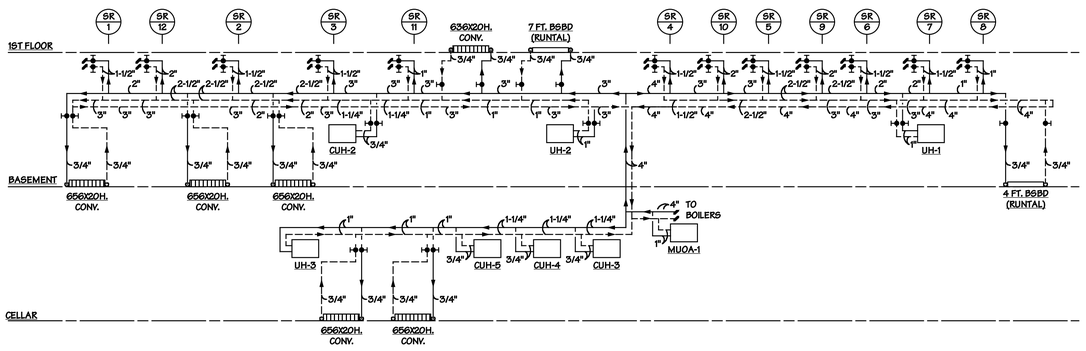


HOT WATER HEATING RISER DIAGRAM

NOT TO SCALE

HOT WATER HEATING NOTES

1. VENT ALL HIGH POINTS
2. DRAIN ALL LOW POINTS
3. SEE PLANS FOR ADDITIONAL OFFSETS



HOT WATER HEATING CONNECTION DIAGRAM

NOT TO SCALE

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RISER DIAGRAMS

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NEW YORK CITY NEW YORK 10012
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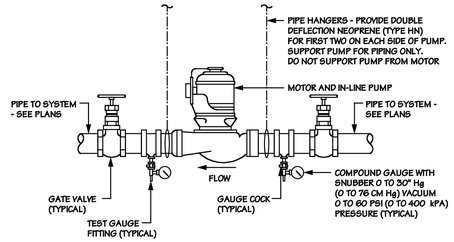
DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: YL/PJ

SCALE: AS NOTED

DRAWING #: M-007.00



1 TYPICAL IN-LINE PIPE CONNECTION DETAIL

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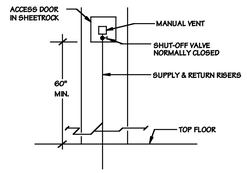
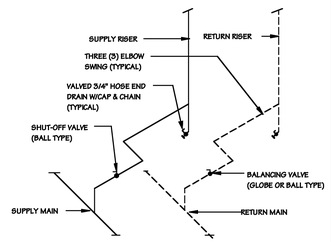


2 RISER VENT DETAIL

NOT TO SCALE



3 TYPICAL RISER CONNECTION DETAIL

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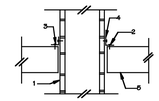

4 SUPPORT FOR DUCTWORK AT FLOOR PENETRATION DETAIL

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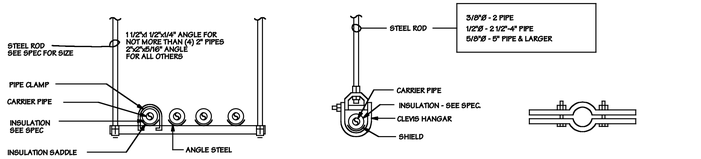
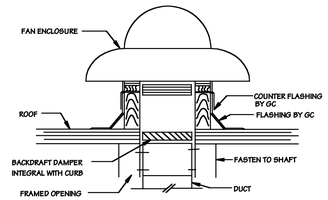


5 TYPICAL PIPE HANGER AND SUPPORT DETAILS

NOT TO SCALE



6 ROOF FAN INSTALLATION DETAIL

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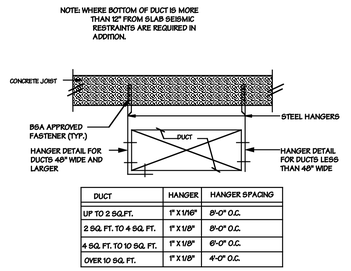
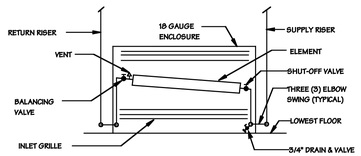


DUCT	HANGER	HANGER SPACING
UP TO 2 SQ.FT.	1" X 1/16"	8'-0" O.C.
2 SQ. FT. TO 4 SQ. FT.	1" X 1/8"	8'-0" O.C.
4 SQ. FT. TO 10 SQ. FT.	1" X 1/8"	6'-0" O.C.
OVER 10 SQ. FT.	1" X 1/8"	4'-0" O.C.

7 DUCT HANGING DETAIL

NOT TO SCALE



8 CONVECTOR DETAIL

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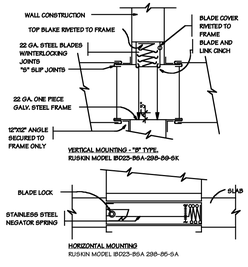

9 FIRE DAMPER DETAIL

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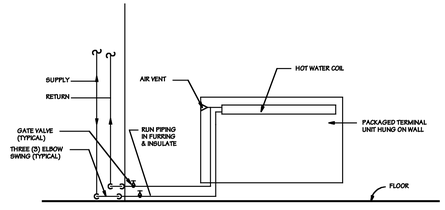

10 PACKAGED TERMINAL UNIT DETAIL

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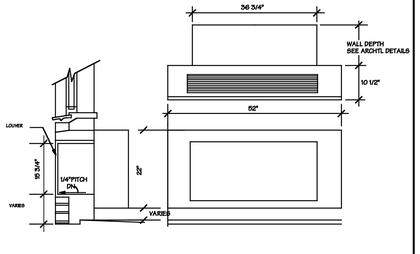
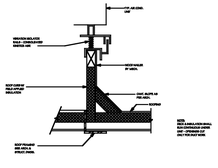


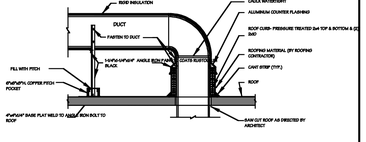
11 SECTIONAL VIEW PACKAGED TERMINAL UNIT DETAIL

NOT TO SCALE



12 ROOF CURB DETAIL

NOT TO SCALE



13 DUCT SUPPORT DETAIL

NOT TO SCALE

MECHANICAL NOTES

1. ALL DUCTWORK AS PER LATEST SMACNA AND ASHRAE STANDARDS AND N.Y.C. BUILDING CODE RS-13.
2. COORDINATE ALL WORK WITH EXISTING CONDITIONS AND ALL OTHER TRADES.
3. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ARCHITECT OF ANY MAJOR DISCREPANCIES.
4. ALL CONTROLS, TRANSFORMERS, RELAYS, CONTACTORS, ETC. AND CONTROL WIRING BY CONTRACTOR.
5. ALL INSULATION FLAME SPREAD-25 SMOKE-50.
6. PROVIDE ALL ELECTRIC STARTERS AND CONTROLLERS.
7. ALL CUTTING DRILLING AND RIGGING IS INCLUDED.
8. PROVIDE ALL NECESSARY HANGERS, SUPPORTS AND SUPPLEMENTAL STEEL. AS DIRECTED BY STRUCTURAL ENGINEER.
9. FOR EXACT LOCATION OF DIFFUSERS AND GRILLES SEE ARCHITECTURAL PLANS.
10. SYSTEM SHALL BE GUARANTEED FOR ONE YEAR ALL PARTS AND LABOR INCLUDED. COMPRESSORS SHALL HAVE FIVE YEAR WARRANTY.
11. CONTRACTOR SHALL TEST AND BALANCE SYSTEM AND PROVIDE REPORT.
12. LOCATE ALL EQUIPMENT AND RUN PIPING AS DIRECTED IN FIELD.
13. PIPE CONDENSATE DRAINS TO SLOP SINK IN JANITORS CLOSET WITH TRAP.
14. AIR OUTLET MANUFACTURER SHALL COORDINATE MARGINS AND BORDERS WITH CEILING TYPE.
15. 1" ACOUSTIC LINE ALL SUPPLY AND RETURN DUCTWORK 25' RADIUS FROM UNIT MINIMUM.

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CIVIL ENGINEERING CONSULTANT:

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DETAILS

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DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: AS NOTED

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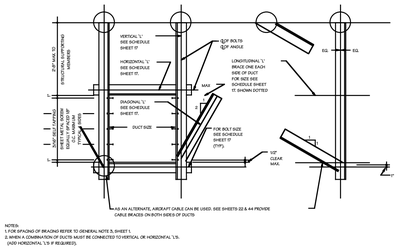
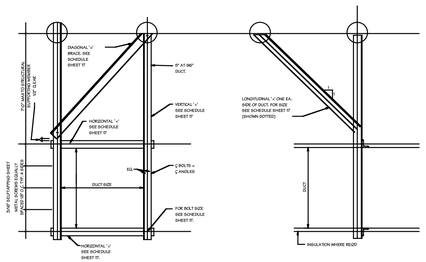
M-008.00

PAGE #:
8 OF 12



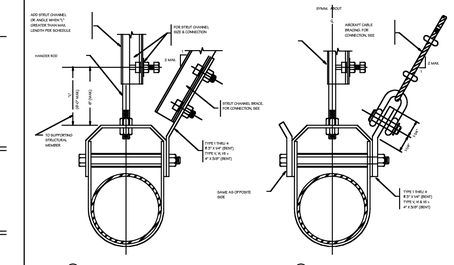
TYPICAL SIDE BRACING FOR RECTANGULAR DUCT

DUCTS, RECTANGULAR-SIDE BRACING | 1



TYPICAL CENTER BRACING FOR RECTANGULAR DUCTS

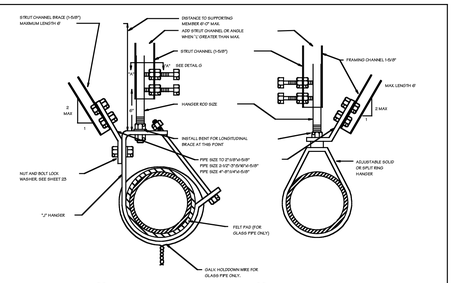
DUCTS, RECTANGULAR-CENTER BRACING | 2



A STRUT CHANNEL BRACING B CABLE BRACING

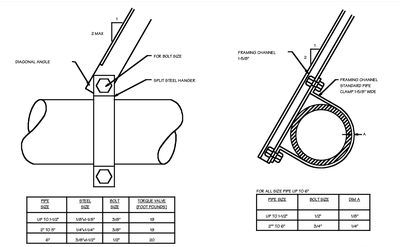
ALTERNATE PIPE BRACING DETAILS N.T.S.

PIPES - BRACING, STRUT CHANNEL AND CABLE | 3

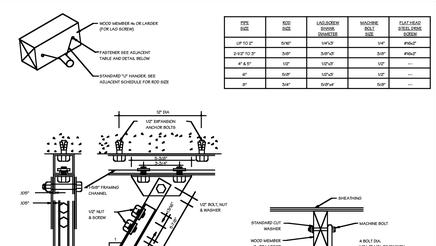


A TRANSVERSE BRACE B TRANSVERSE BRACE

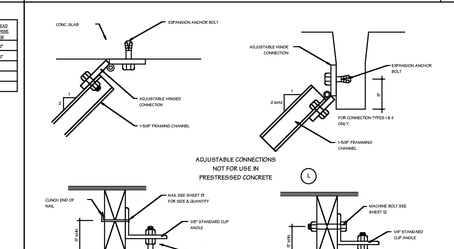
PIPES - BRACING, ATTACHMENT TO HANGER | 4



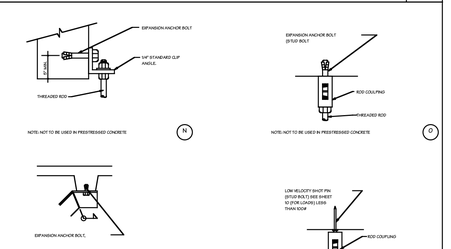
PIPES-BRACING, ATTACHMENT | 5



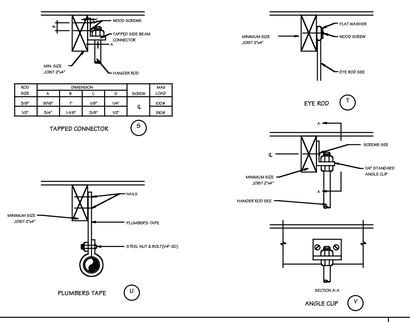
CONNECTIONS, BOLTED "U" | 6



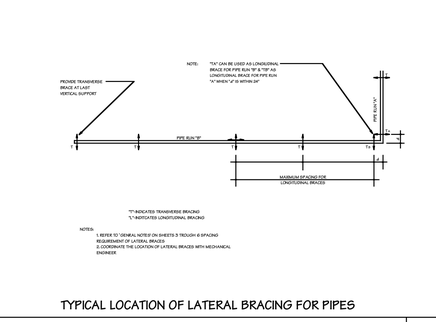
CONNECTIONS, CONCRETE/WOOD | 7



CONNECTIONS, CONCRETE | 8

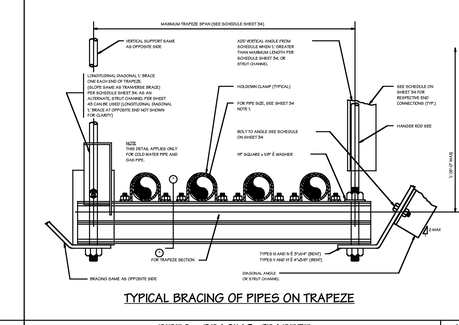


CONNECTIONS-WOOD | 9



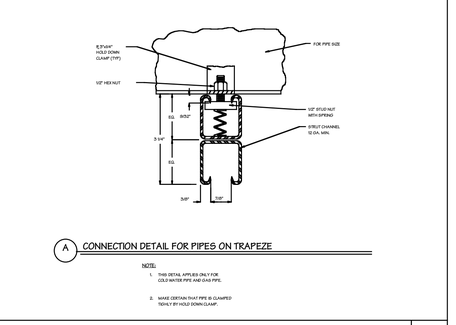
TYPICAL LOCATION OF LATERAL BRACING FOR PIPES

PIPES-BRACING, LATERAL | 10

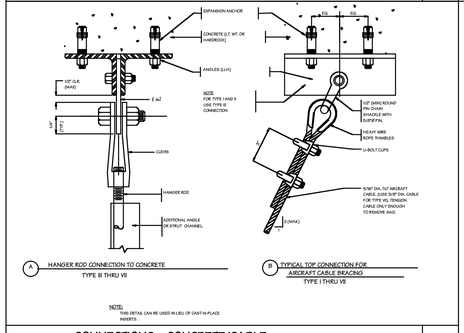


TYPICAL BRACING OF PIPES ON TRAPEZE

PIPES - BRACING, TRAPEZE | 11



CONNECTIONS - PIPE TO TRAPEZE | 12



CONNECTIONS - CONCRETE/CABLE | 13

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BRONX, NY 10458

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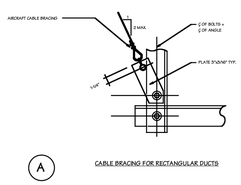
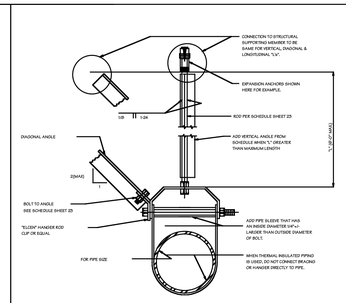


CABLE BRACING FOR RECTANGULAR DUCTS

DUCT-BRACING, CABLE 14



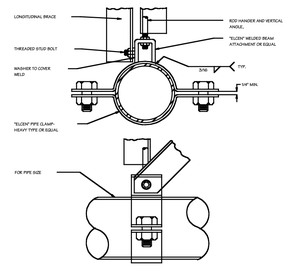
1 TYPICAL TRANSVERSE PIPE BRACING

N.T.S.

NOTE:

1. LONGITUDINAL BRACINGS AT 80'-0" O.C. MAXIMUM UNLESS OTHERWISE NOTED. WHEN THE THERMAL EXPANSION OR CONTRACTION IS INVOLVED, PROVIDE LONGITUDINAL BRACINGS AT ANCHOR POINTS. THE LONGITUDINAL BRACES AND THE CONNECTIONS MUST BE CAPABLE OF RESISTING THE FORCE INDUCED BY THE EXPANSION AND CONTRACTION.

PIPES - BRACING - TRANSVERSE 15



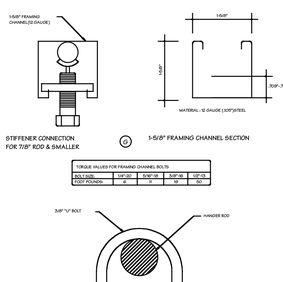
TYPICAL LONGITUDINAL PIPE BRACING

N.T.S.

NOTES:

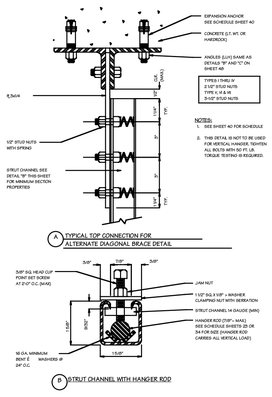
1. LONGITUDINAL BRACINGS AT 80'-0" O.C. MAXIMUM UNLESS OTHERWISE NOTED. WHEN THERMAL EXPANSION OR CONTRACTION IS INVOLVED, PROVIDE LONGITUDINAL BRACINGS AT ANCHOR POINTS. THE LONGITUDINAL BRACES AND THE CONNECTIONS MUST BE CAPABLE OF RESISTING THE FORCE INDUCED BY THE EXPANSION AND CONTRACTION.
2. THIS BRACING DETAIL APPLIES ONLY FOR COLD WATER PIPE AND GAS PIPE WHERE MOVEMENT OF THE PIPE IS DUE TO TEMPERATURE DIFFERENTIAL IS NEGLIGIBLE.
3. IT IS THE RESPONSIBILITY OF THE USER OF THIS GUIDELINE TO ASCERTAIN THAT AN ADEQUATE BRACING AND THE ANCHORAGE DEVICE BE DESIGNED FOR PIPE WHENEVER THE MOVEMENT DUE TO THERMAL DIFFERENTIAL EXISTS. PROVIDE ONE ANCHOR POINT IN ONE PIPE RUN. ALLOW FOR LONGITUDINAL PIPE MOVEMENT AT THE OPPOSITE END OF THE ANCHOR POINT.

PIPES - BRACING - LONGITUDINAL 16

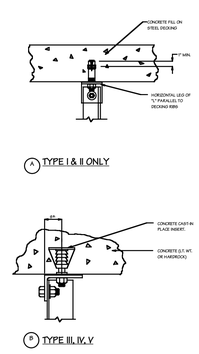


ALTERNATE STIFFENER CONNECTION

CHANNEL FRAMING 17

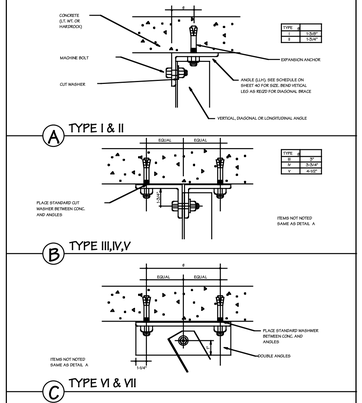


CONNECTIONS - DIAGONAL BRACE 18

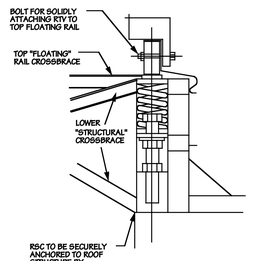


CONNECTIONS TO CONCRETE

CONNECTIONS - CONCRETE 19



CONNECTION TO CONCRETE 20



SPRING SUPPORT DETAIL 21

The design, details and notes included herein are in compliance with Local Law 17/95

STANDARD NYC SEISMIC NOTE

1. Seismic protection of all HVAC equipment, piping and ductwork shall be provided and shall comply with the applicable provisions of the New York City Building Code BC 1621, latest revisions, and as revised below:

   Table 23-P

   a) adding after III.1

   3. Sprinkler piping 2.00
   4. Gas and high hazard piping 2.00
   5. Other piping 0.67
   6. HVAC ducts 0.67

   b) adding the following notes after note 4 at the bottom of the table:

   5. The design of seismic restraints for sprinkler piping in compliance with NFPA 13 using a design acceleration of 0.15 is acceptable in lieu of compliance with these provisions.
   6. Seismic restraints are not required for any of the following conditions for other piping systems of HVAC ducts:
   1. Piping or ducts suspended by individual hangers 12 inches or less in length from the top of the pipe or duct to the supporting structure.
   2. Piping in boiler and mechanical rooms which has less than 1-1/4 inches inside diameter.
   3. Piping in other areas which has less than 2-1/2 inches inside diameter.
   4. Ducts which have a cross-sectional area less than 6 square feet.

2. Where equipment is resiliently mounted on springs or other types of vibration isolation supports, such supports shall have limits and stops to resist seismic deflection and forces.

3. Seismic protection devices shall resist the seismic forces determined under the New York City Building Code, as modified above, when applied in any direction without failure or permanent displacement of the protected system.

4. All seismic protection devices shall be the product of one manufacturer and shall have State of California Office of Statewide Health Planning and Development (OSHPD) preapproval "R" numbers certifying their maximum horizontal and vertical load ratings. The manufacturer of the seismic protection devices shall be a specialist in seismic mountings with at least five years experience on projects of a similar scope.

5. The Contractor shall submit for approval seismic protection calculations prepared by a Professional Engineer licensed in the State of New York. The Professional Engineer shall sign and seal his calculations. Additionally, the Contractor shall submit for approval seismic protection device shop drawings, catalog cuts and location plans.

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Exhaust Fan Schedule												
Designation	Location	Area Served	Manufacturer	Model#	CFM	RPM	E.S.P.	R.O.	Motor	Electrical	Dimensions	Weight	Notes
BEF-1	Roof	Bathrooms	Greenheck	G-088-VG	360	1313	0.625"	14.5" sq.	0.08 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	81 lbs.	1,2,3,4,6
BEF-2	Roof	Bathrooms	Greenheck	G-097-VG	150	1337	0.625"	14.5" sq.	0.06 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
BEF-3	Roof	Bathrooms	Greenheck	G-088-VG	360	1313	0.625"	14.5" sq.	0.08 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	81 lbs.	1,2,3,4,6
BEF-4	Roof	Bathrooms	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
BEF-5	Roof	Bathrooms	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
BEF-6	Roof	Bathrooms	Greenheck	G-088-VG	465	1412	0.625"	14.5" sq.	0.11 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	81 lbs.	1,2,3,4,6
BEF-7	Roof	Bathrooms	Greenheck	G-097-VG	210	1515	0.625"	14.5" sq.	0.09 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-1	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-2	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-3	Roof	Kitchens	Greenheck	G-097-VG	150	1337	0.625"	14.5" sq.	0.06 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-4	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-5	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-6	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-7	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-8	Roof	Kitchens	Greenheck	G-097-VG	210	1515	0.625"	14.5" sq.	0.09 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-9	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-10	Roof	Kitchens	Greenheck	G-097-VG	210	1515	0.625"	14.5" sq.	0.09 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
GEF-1	Roof	Compactor Room	Greenheck	CUE-095-VG	460	1562	0.625"	12.5" sq.	0.11 H.P.	120V, 1Ø, 60 Hz	21"dia. X 15.25"H	82 lbs.	1,2,3,4,6
SF-1	First Floor	Supply Fresh Air	Panasonic	FV-10NLF1	100	1590	0.125"	N.A.	36 WATTS	120V, 1Ø, 60 Hz	13-3/8" X 9-7/16" X 7-7/8"H	14 lbs.	1,5,7
SF-2	Basement Floor	Supply Fresh Air	Panasonic	FV-10NLF1	50	1590	0.125"	N.A.	36 WATTS	120V, 1Ø, 60 Hz	13-3/8" X 9-7/16" X 7-7/8"H	14 lbs.	1,5,7
SF-3	Cellar Floor	Supply Fresh Air	Panasonic	FV-10NLF1	100	1590	0.125"	N.A.	36 WATTS	120V, 1Ø, 60 Hz	13-3/8" X 9-7/16" X 7-7/8"H	14 lbs.	1,5,7

Notes and Accessories
1. Local disconnect.
2. Acoustic "GPS" canted roof curb.
3. Bird Screen.
4. Horizontal Exhaust Damper.
5. Provide wall mount collar, motorized damper, OSHA motor side guard and motor disconnect.
6. Solid state speed control factory mounted and wired to the external housing of the fan.
7. Motor side guard, wall mounting collar

PTAC CHASIS and DUCTS TO BE CONVERED DURING CONSTRUTION

Packaged Terminal Air Conditioning Schedule											
Designation	Manufacturer	MEA#	Model#	Cooling BTUH	Heating BTUH	EER	Electric Data	Amperage	GPM	CFM	OUTSIDE CFM
(A)	Ice-Air	250-93-E	5RSNU07	7700	16500	12.0	120V, 1Ø, 60hz	5.5	2.0	380	60
(B)	Ice-Air	250-93-E	5RSNU09	9700	16500	12.0	120V, 1Ø, 60hz	7.1	2.0	380	60
(C)	Ice-Air	250-93-E	8RSNU13	12800	16500	11.4	208V, 1Ø, 60hz	5.5	2.0	400	60
(D)	Ice-Air	250-93-E	8RSNU15	14400	19400	10.5	208V, 1Ø, 60hz	6.5	2.0	450	60
(E)	Ice-Air	250-93-E	8RSNU18	16400	19400	10.3	208V, 1Ø, 60hz	7.7	2.0	540	60

Provide thermal break sleeve to G.C. for installation. With motorized valve. Set temperature limite on unit at the factory - 68° - 74°
Provide extra outdoor air kit 20 CFM

Expansion Tank Schedule (2 Required)						
Type	Location	Manufacturer	Model#	Total Volume	Dimensions	Ship Weight
Bladder-Removeable	Boiler Room	Armetrong	AX-120V	91 gallons	24" dia. x 56"H	265 lbs

Air/Dirt Separator Schedule							
Location	Manufacturer	Model #	Blowdown Valve	Inlet Size	Outlet Size	Dimensions	Ship Weight
Boiler Room	Caleffi	NA5481102A	1-1/4"	4"	4"	19"dia. x 50"H	117 Lbs

Radiation Schedule									
Designation	Location	Manufacturer	Model #	Element	Dimensions (fins)	# Rows	Enclosure Height	Enclosure Depth	Rating @ 190°F	Miscellaneous
BSBD (RUNTAL)	see floor plans	Runtal	R2F	cold rolled steel	3-3/8" x 5-3/4"H x length on dwgs. Radiation Schedule	2			1584 BTU/HR/LF	Provide wall mount and supply pipe enclosures, splice sections, valve caps, end caps

Boiler Schedule												
Location	No. of boilers	Manufacturer	Model #	MEA#	EFFICIENCY	Input BTUH	Output BTUH	L.B.R. net	Relief Valve Setting	Operating Pressure	Operating Weight	Dimensions	Miscellaneous
Boiler Rm.	2	LAARS (Pennant)	PNCH-1250	136-03-E VOL II	85.1%	1,250,000	1,063,000	903	125 PSI	45 PSI	675 lbs.	68" X 29.3" X 41.5" H	Outside temp sensor pump controller ASME pressure relief, HI-limit, dual low water cut-offs operating and limiting aquastate & pres./temp gauges as req'd.

Indirect Water Heater Schedule							
Location	Manufacturer	# Tanks	Model#	Gallon Capacity	Heat Transfer Area	Dimensions	Ship Weight
Boiler Room	TURBOMAX	2	T-109	119	56.9 sq. ft.	29" dia. x 74"H	555 lbs

Pump Schedule								
TAG	USE	MANUFACTURER	MODEL NUMBER	GPM	FT. HD.	HP	RPM	ELECTRICAL DATA
P-1	Hot Water Heating	Armstrong	4380 0308-005.04-5HP	230	50	5	1800	208V-3Ø-60HZ
P-2	Hot Water Heating	Armstrong (stand-by)	4380 0308-005.04-5HP	230	50	5	1800	208V-3Ø-60HZ
P-3	Turbomax Zone Pump	Armstrong	E-E33-0.4 HP	107	10	.4	3600	120V-1Ø-60HZ
P-4	Turbomax Zone Pump	Armstrong	E-E33-0.4 HP	107	10	.4	3600	120V-1Ø-60HZ

NOTES:
With Vibration Hangers, Flex Connectors (double Snubber Type)
And Magnetic Starters, Total Motor Enclosure, VFD Drives with
Controller and Pressure Sensor and NEMA Premium Efficiency
Motors

Cabinet Unit Heater Schedule														
Designation	Manufacturer	Style	Model #	Electric	Heating Output	G.P.M.	Entering Air Temperature	Leaving Air Temperature	Entering Water Temperature	Leaving Water Temperature	High C.F.M.	Blower H.P.	FLA	Dimensions	Wt.	Controls
CUH-1	Trane	Horizontal Recessed	FFEB04	120V, 1Ø 60 HZ	25.6 MBH	1.71	50° (F)	174° (F)	190° (F)	170° (F)	380	0.05	0.9	2'-5 7/8" x 3'-4 13/16" x 10 3/8"H	85 lbs.	Integral Tstat
CUH-2	Trane	Horizontal Recessed	FFEB02	120V, 1Ø 60 HZ	15.9 MBH	1.06	50° (F)	174° (F)	190° (F)	170° (F)	240	0.04	0.7	2'-5 7/8" x 2'-11 13/16" x 10 3/8"H	75 lbs.	Integral Tstat
CUH-3	Trane	Horizontal Recessed	FFEB02	120V, 1Ø 60 HZ	15.9 MBH	1.06	50° (F)	174° (F)	190° (F)	170° (F)	240	0.04	0.7	2'-5 7/8" x 2'-11 13/16" x 10 3/8"H	75 lbs.	Integral Tstat
CUH-4	Trane	Horizontal Recessed	FFEB04	120V, 1Ø 60 HZ	25.6 MBH	1.71	50° (F)	174° (F)	190° (F)	170° (F)	380	0.05	0.9	2'-5 7/8" x 3'-4 13/16" x 10 3/8"H	85 lbs.	Integral Tstat
CUH-5	Trane	Horizontal Recessed	FFEB04	120V, 1Ø 60 HZ	25.6 MBH	1.71	50° (F)	174° (F)	190° (F)	170° (F)	380	0.05	0.9	2'-5 7/8" x 3'-4 13/16" x 10 3/8"H	85 lbs.	Integral Tstat

Commercial Store Unit Heater Schedule										
Designation	Location	Manufacturer	Style	Model #	Electric	Heating Output	G.P.M.	High C.F.M.	Blower H.P.	Dimensions	Wt.	Controls
UH-1, 2 & 3	Bike and Storage Rms	Trane	Cg. Suspended	UHSA100W2	120v, 1Ø 60 Hz.	50.8 MBH	5.23	1535	(1) 1/8	16-3/4" X 20-1/4" X 18-3/4"H	85 lbs.	Remote T'stat

CONVECTOR SCHEDULE			
WIDTH	LENGTH	HEIGHT	MBH OUTPUT
4"	20"	18"	2.2
4"	24"	18"	2.7
4"	36"	18"	4.4
6"	36"	18"	6.4
6"	44"	18"	8.1
6"	48"	18"	8.9
6"	56"	18"	10.5
6"	64"	18"	12.2

Based on Beacon/Morris Type PW-A, 18 gauge cover convectors w/copper/aluminum element and inlet grille.
MBH shown - 190°F EWT with inlet grille effect allowance

Table 503.2.8
Minimum Pipe Insulation [a]
(thickness in inches)

Fluid	Nominal Pipe Diameter	
	< = 1.5"	> 1.5"
Steam	1-1/2	3
Hot Water	1-1/2	2
Chilled water, brine or refrigerant	1-1/2	1-1/2

a. Based on insulation having a conductivity (k) not exceeding 0.27 BTU per inch/h • ft2 • °F

EXCEPTIONS:
1. Factory-installed piping within HVAC equipment tested and rated in accordance with a test procedure referenced by 2010 Energy Conservations Construction Code of NYS.
2. Factory-installed piping within room fan-coils and unit ventilators tested and rated in according to AHRI Standards 440 (except that the sampling and variation provisions of Section 6.5 shall not apply) and 840 respectively.
3. Piping conveying fluids that have a design operating temperature range between 55°F and 105°F.
4. Piping that conveys fluids that have not been heated or cooled through the use of fossil fuels or electric power.
5. Runout piping not exceeding 4 feet in length and 1 inch in diameter bewtween the control valve and HVAC coil.

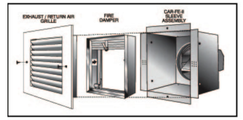
Table 503.2.7
Duct and plenum insulation and sealing

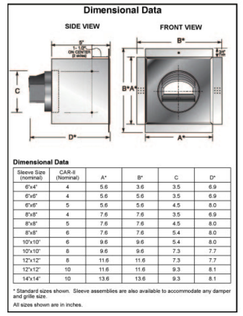
Duct Location	Insulation R value
Unconditioned Space	R-6
Outside the building	R-8
Within building envelope assembly	R-8

EXCEPTIONS:
1. When located within equipment.
2. When the design temperature difference between the interior and exterior of the duct or plenum does not exceed 15°F.

ALL DUCTS, AIR HANDLERS AND FILTER BOXES shall be sealed.
Joints and seams shall comply with Section 603.9 of the Mechanical Code of NYC and the NYC Construction Codes.

DUCT LEAKAGE SHALL BE NO MORE THAN 10 CFM50/FLOOR/SHAFT, INCLUSIVE OF ROOF CURBS AND GRILLES AS TESTED BY STEVEN WINTERS ASSOCIATES, INC. (SWA)
IF DUCTS FAIL TO MEET THIS THRESHOLD AFGTER TWO ROUNDS OF TESTING BY SWA, CONTRACTOR SHALL IMPLEMENT CARRIER AEROSEALTECHNOLOGY TO SEAL THE DUCTWORK.





Dimensional Data

Sleeve Size (nominal)	CAR-II (Nominal)	A*	B*	C	D*
6"x4"	4	5.6	3.6	3.5	6.9
6"x6"	4	5.6	5.6	3.5	6.9
6"x8"	5	5.6	5.6	4.5	8.0
8"x8"	4	7.6	7.6	3.5	6.9
8"x8"	5	7.6	7.6	4.5	8.0
8"x8"	6	7.6	7.6	5.4	8.0
10"x10"	6	9.6	9.6	5.4	8.0
10"x10"	8	9.6	9.6	7.3	7.7
12"x12"	8	11.6	11.6	7.3	7.7
12"x12"	10	11.6	11.6	9.3	8.1
14"x14"	10	13.6	13.6	9.3	8.1

* Standard sizes shown. Sleeve assemblies are also available to accommodate any damper and grille size.
All sizes shown are in inches.

CAR DAMPERS TO BE INSTALLED AT ALL SUPPLY AND EXHAUST GRILLS

ALL CENTRAL EXHAUST FANS MUST BE BALANCED BASED ON STATIC PRESSURE OF 0.2 TO 0.3 IN WC AT BOTTOM OF SHAFT

CAR II DAMPER SCHEDULE				
DIAMETER	CFM	MODEL NUMBER	LOCATION	DIRECTION
4"Ø	30	18 113	RECYCLE ROOMS, KITCHENS, BATHROOMS	EXHAUST
5"Ø	75	18 124	PUBLIC BATHROOMS	EXHAUST
10"Ø	250	18 155	COMPACTOR ROOM	EXHAUST
5"Ø	80	18 124	CORRIDORS	SUPPLY

MECHANICAL NOTES:

DUCT LEAKAGE SHALL BE NO MORE THAN 10 CFM50/FLOOR/SHAFT, INCLUSIVE OF ROOF CURBS AND GRILLES AS TESTED BY STEVEN WINTERS ASSOCIATES, INC. (SWA)
IF DUCTS FAIL TO MEET THIS THRESHOLD AFGTER TWO ROUNDS OF TESTING BY SWA, CONTRACTOR SHALL IMPLEMENT CARRIER AEROSEALTECHNOLOGY TO SEAL THE DUCTWORK.

OUTDOOR AIR INTAKES AND EXHAUST OPENINGS AIR TIGHTNESS - STAIR AND ELEVATOR SHAFT VENTS AND OTHER OUTDOOR AIR INTAKES AD EXHAUST OPENINGS INTEGRAL TO THE BUILDING ENVELOPE SHALL BE EQUIPPED WITH NOT LESS THAN A CLASS 1 MOTORIZED LEAKAGERATED DAMPER WITH A MAXIMUM LEAKAGE RATE OF 4 CFM PER SQUARE FOOT (6.8 L/s - m2) AT 1.0 INCH WATER GAUGE (w.g.) (1250 Pa) WHEN TESTED IN ACCORDANCE WITH AMCA 500D. EXCEPTION: GRAVITY (NONMOTORIZED) DAMPERS ARE PERMITTED TO BE USED IN BUILDINGS LES THAN THREE STORIES IN HEIGHT ABOVE GRADE.

SHUTOFF DAMPER CONTROLS - WHEN SYSTEM/SPACE NOT IN USE. BOTH OUTDOOR AIR SUPPLY AND EXHAUST DUCTS SHALL BE EQUIPPED WITH MOTORIZED DAMPERS THAT WILL AUTOMATICALLY SHUT WHEH THE SYSTEMS OR SPACES SERVED ARE NOT IN USE. EXCEPTIONS:

1. GRAVITY DAMPERS SHALL BE PERMITTED IN BUILDINGS LESS THAN THREE STORIES IN HEIGHT.
2. GRAVITY DAMPERS SHALL BE PERMITTED FOR OUTSIDE AIR INTAKE OR EXHAUST AIRFLOWS OF 300 cfm (.14 m3/s) OR LESS

KEY:

ABBREVIATIONS

AH - AIR HANDLING UNIT
AD - ACCESS DOOR
CR - CEILING REGISTER
CU - CONDENSING UNIT
CD - CEILING DIFFUSER
FC - FLEXIBLE CONNECTION
FD - FIRE DAMPER
FIN T. - FIN TUBE
GEF - GARAGE EXHAUST FAN
HVAC - HEATING & VENTILATING A/C
KEF - KITCHEN EXHAUST FAN
MD - MOTORIZED DAMPER
NK - NECK
RG - RETURN GRILLE
RR - RETURN REGISTER
TEF - TOILET EXHAUST FAN
VD - VOLUME DAMPER

SYMBOL LIST

- 4x8 — DUCTWORK (NET SIZE)
- 4x8 — ACOUSTIC LINED DUCTWORK (NET SIZE)
- — REFRIGERANT PIPING
- CEILING DIFFUSER
- REGISTER, GRILLE
- T — THERMOSTAT
- (S) — SMOKE DETECTOR
- MOTORIZED DAMPER

ENERGY CONSERVATION NOTES.

1. THIS BUILDING SHALL COMPLY WITH THE PROVISIONS OF THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (2010).
2. CONSTRUCTION DOCUMENTS SHALL BE DRAWN TO SCALE UPON SUITABLE MATERIAL AND OF SUFFICIENT CLARITY TO INDICATE THE LOCATION, NATURE AND EXTENT OF THE WORK PORPOSED, AND SHOW IN SUFFICIENT DETAIL PERTINENT DATA AND FEATURES OF THE BUILDING, SYSTEMS AND EQUIPMENT AS HEREIN GOVERNED. (2010).
3. THE BUILDING ENVELOPE REQUIREMENTS TO COMPLY WITH APPLICABLE PROVISIONS OF 2010 ENERGY CONSERVATION CONSTRUCTION CODE OF NYS AND NYC.

BUILDING DEPARTMENT NOTES

1. FORM TR-1 SHALL BE FILED AS PER 27-187. FROM TR-1 SHALL BE FILED AT THE COMPLETION OF THE INSTALLATION BY THE HVAC CONTRACTOR.

2. A TEST WILL BE CONDUCTED TO SHOW COMPLIANCE WITH BUILDING DEPARTMENT CODE REQUIREMENTS 27-132 & 27-136 OF THE ADMINISTRATIVE CODE BY THE HVAC CONTRACTOR.

3. EQUIPMENT USE PERMITS SHALL BE SECURED FOR THE AIR CONDITIONING SYSTEMS BY THE HVAC CONTRACTOR.

4. FIRE DAMPERS SHALL BE BSA#100-65 SM AIR BALANCE CO.

5. CONTROLLED INSPECTIONS BY A LICENSED ENGINEER RETAINED BY HVAC CONTRACTOR.

MECHANICAL NOTES

1. ALL DUCTWORK AS PER LATEST SMACNA AND ASHRAE STANDARDS AND N.Y.C. BUILDING CODE RS-13.
2. COORDINATE ALL WORK WITH EXISTING CONDITIONS AND ALL OTHER TRADES.
3. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ARCHITECT OF ANY MAJOR DISCREPANCIES.
4. ALL CONTROLS, TRANSFORMERS, RELAYS, CONTACTORS, ETC. AND CONTROL WIRING BY CONTRACTOR.
5. ALL INSULATION FLAME SPREAD-25 SMOKE-50.
6. PROVIDE ALL ELECTRIC STARTERS AND CONTROLLERS.
7. ALL CUTTING DRILLING AND RIGGING IS INCLUDED.
8. PROVIDE ALL NECESSARY HANGERS, SUPPORTS AND SUPPLEMENTAL STEEL. AS DIRECTED BY STRUCTURAL ENGINEER.
9. FOR EXACT LOCATION OF DIFFUSERS AND GRILLES SEE ARCHITECTURAL PLANS.
10. SYSTEM SHALL BE GUARANTEED FOR ONE YEAR ALL PARTS AND LABOR INCLUDED. COMPRESSORS SHALL HAVE FIVE YEAR WARRANTY.
11. CONTRACTOR SHALL TEST AND BALANCE SYSTEM AND PROVIDE REPORT.
12. LOCATE ALL EQUIPMENT AND RUN PIPING AS DIRECTED IN FIELD.
13. PIPE CONDENSATE DRAINS TO SLOP SINK IN JANITORS CLOSET WITH TRAP.
14. AIR OUTLET MANUFACTURER SHALL COORDINATE MARGINS AND BORDERS WITH CEILING TYPE.
15. 1" ACOUSTIC LINE ALL SUPPLY AND RETURN DUCTWORK 25' RADIUS FROM UNIT MINIMUM.

SPECIAL INSPECTIONS

THE FOLLOWING ITEMS ARE SUBJECT TO SPECIAL INSPECTION:

1.HEATING/BOILERS INSPECTION.

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PROMESA

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92 WEST TREMONT AVE.
BRONX, NY 10458

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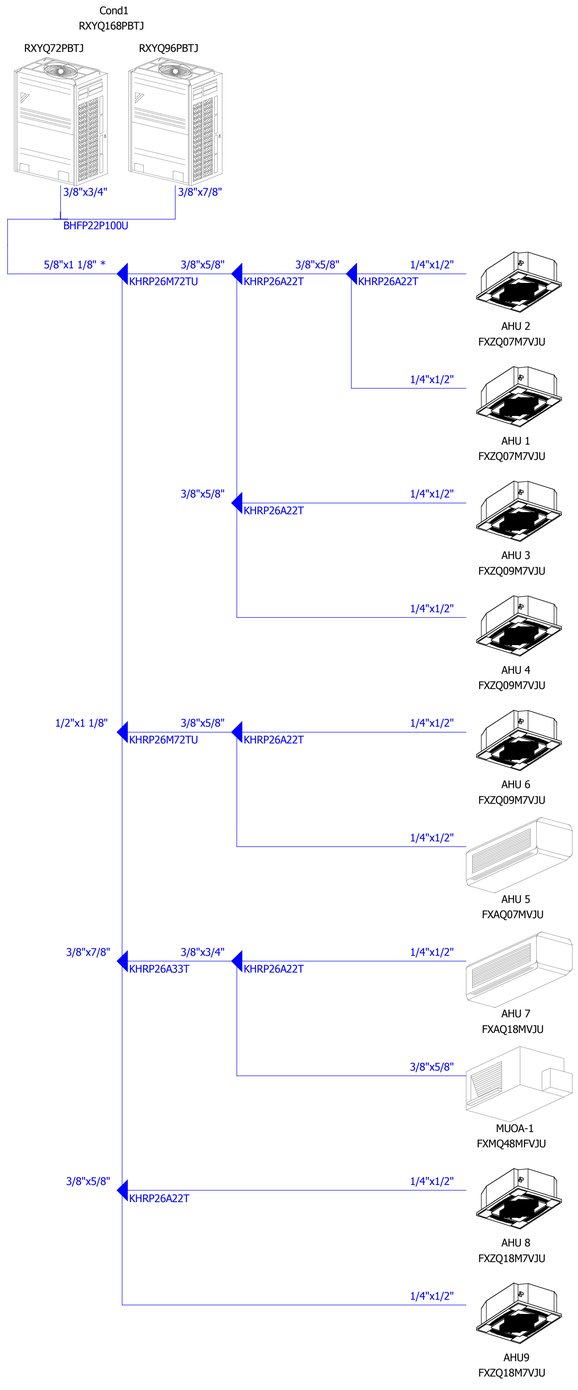

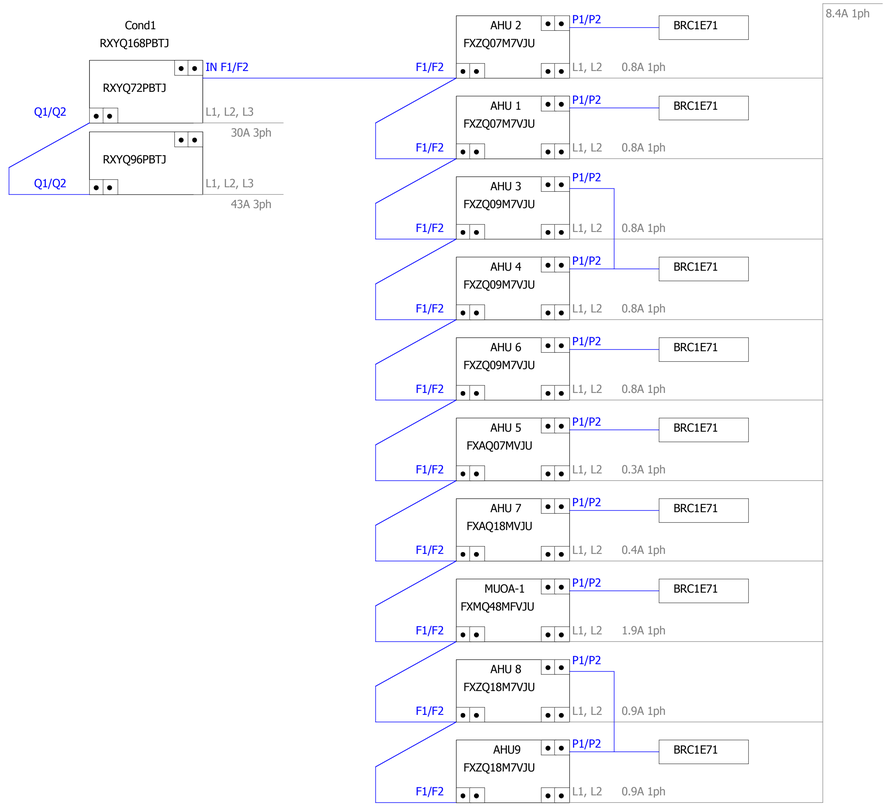

Air Handling Unit Schedule (Indoor Unite COND-1)

Designation	Location	Manufacturer	Model #	Indoor Cooling db (°F)/Relative Humidity	Cooling Capacity BTUH	Sensible Cooling BTUH	Indoor Heating (°F)	Heating Capacity BTUH	Air Flow CFM Low-High	Sound dBA	Min. Circuit Amp	Electric	Dimensions (Inches)	Weight (Lbs)
AHU-2	Office	Daikin	FXZQ07M7VJU	80.0/50%	6891	5693	67	6547	247 - 320	29-31	0.8	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42
AHU-1	Security	Daikin	FXZQ07M7VJU	80.0/50%	6891	5693	67	6547	247 - 320	29-31	0.8	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42
AHU-3	Lobby	Daikin	FXZQ09M7VJU	80.0/50%	8729	6312	67	7026	247 - 320	29-32	0.8	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42
AHU-4	Lobby	Daikin	FXZQ09M7VJU	80.0/50%	8729	6312	67	7026	247 - 320	29-32	0.8	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42
AHU-6	Main Office	Daikin	FXZQ09M7VJU	80.0/50%	8729	6312	67	7026	247 - 320	29-32	0.8	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42
AHU-5	Elev. Mach. Room	Daikin	FXAQ07MVJU	80.0/50%	6891	5723	67	6547	160 - 260	28-35	0.3	208V, 1Ø	31.3 W x 11.4 H x 9.1 D	25
AHU-7	Recycling Room	Daikin	FXAQ18MVJU	80.0/50%	16539	12395	67	13313	400 - 500	36-42	0.4	208V, 1Ø	41.3 W x 11.4 H x 9.1 D	31
AHU-8	Recreation Room	Daikin	FXZQ18M7VJU	80.0/50%	16539	12279	67	13313	353 - 494	34-41	0.9	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42
AHU-9	Recreation Room	Daikin	FXZQ18M7VJU	80.0/50%	16539	12279	67	13313	353 - 494	34-41	0.9	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42

100% Outdoor Air Handling Unit Schedule (Indoor Unite)

Designation	Location	Manufacturer	Model #	Cooling Capacity BTUH	Sensible Cooling BTUH	Indoor Heating (°F)	Heating Capacity BTUH	Air Flow CFM	Sound dBA	Electric	Dimensions (Inches)	Weight (Lbs)
MUOA-1	Corridors	Daikin	FXMQ48MFVJU	48000	0	70	30000	635	47	208V 1Ø 60 HZ	29.3 W x 18.5 H x 43.3 D	190

Provide drain pans, vibration hangers/supports, starters and local disconnect switches with thermostat
Provide Merv-8 filter, DACA – MQ48F-8-1K

Condensing Unit Schedule (Outdoor Unit)

Designation	Manufacturer	Model #	Combination Percentage	Outdoor Temp. Cooling db (°F)	Cooling Capacity BTUH	Outdoor Temp. Heating (°F)	Heating Capacity BTUH	Piping (FT)	Refrigerant R-410a (Lbs)	Power Supply	MCA	RLA	MOP	Dimensions (Inches)	Weight (Lbs)
COND-1	Daikin	RXYQ168PBTJ	91	95	168891	-0.0	124227	147.6	43.4	208V, 3Ø					
		RXYQ72PBTJ									30.0	14.2	35A	36.6 L x 66.1 H x 30.1 W	419
		RXYQ96PBTJ									43.0	24.6	50A	48.9 L x66.1 H x 30.1 W	620

Provide drain pans, vibration hangers/supports, starters and local disconnect switches with thermostat
Provide Remote Sensor Kit for all VRV indoor units
Provide Rear Suction Filter Chamber for FXSQ units
Provide Decoration panel for all FXZQ units
Provide Fresh air intake kit direct installation for allk FXZQ units
Provide small condensate pump for for trash compactor unit.
Provide capacity plug (12mbh > 9 mbh) for Office Interior FXSQ unit.
Provide Screening Door/ blind board for FXSQ30, 36 and 48 units.
Provide optional condensate pumps as required.
Provide remote programmable thermostats
All substitute manufacturers must be approved in writing ten days prior to submission of the bid.
All refrigerant piping and wiring must be reviewed by manfacturers application engineer (Daikin McQuay NY) for functionality and compliance in accordance with manufacturers recommendations.

ACCEPTED FOR USE
CITY OF NEW YORK
DEPARTMENT OF BUILDINGS
MEA 102-04-E VOL. 6
DAIKIN AC (AMERICAS), INC.

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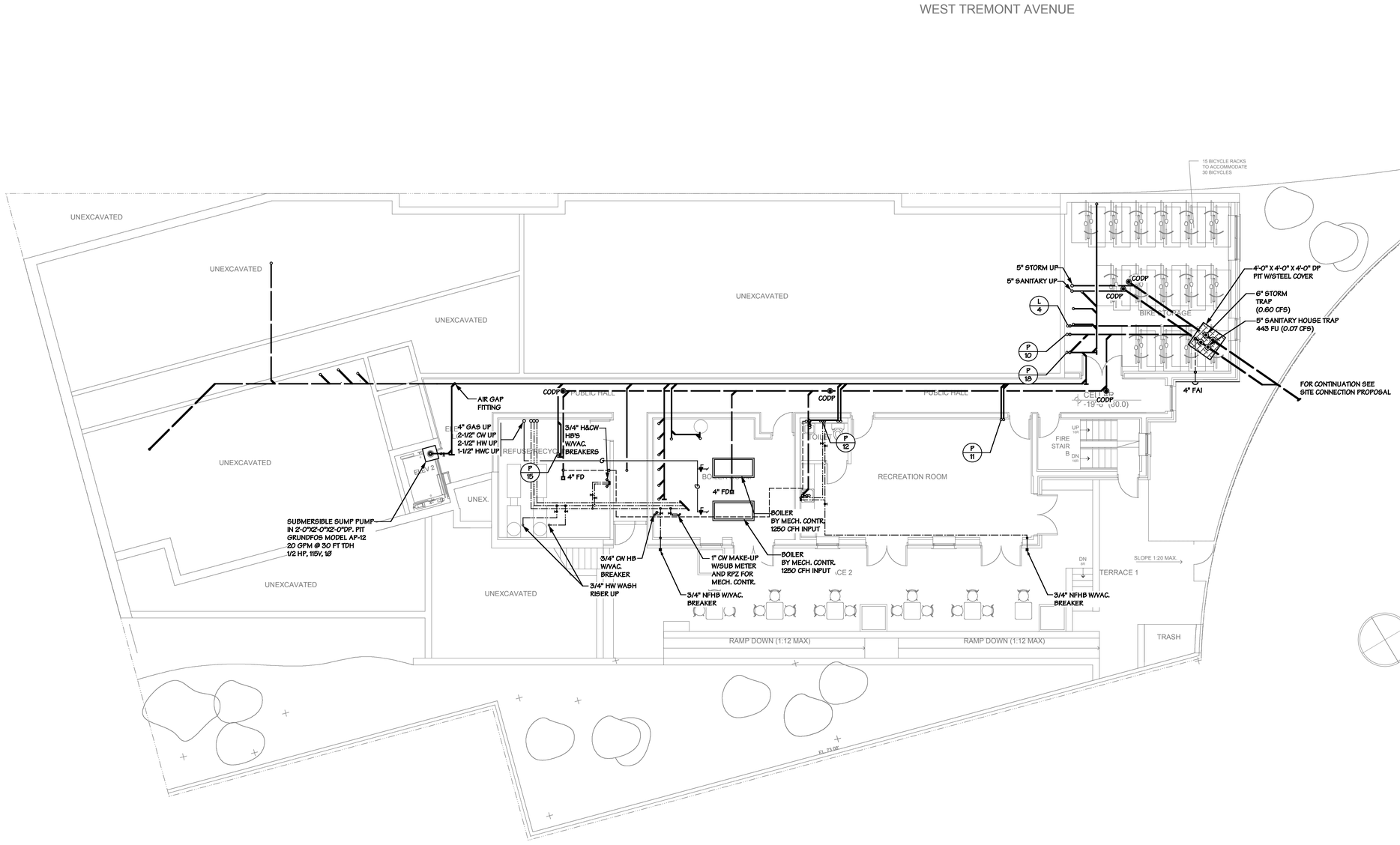

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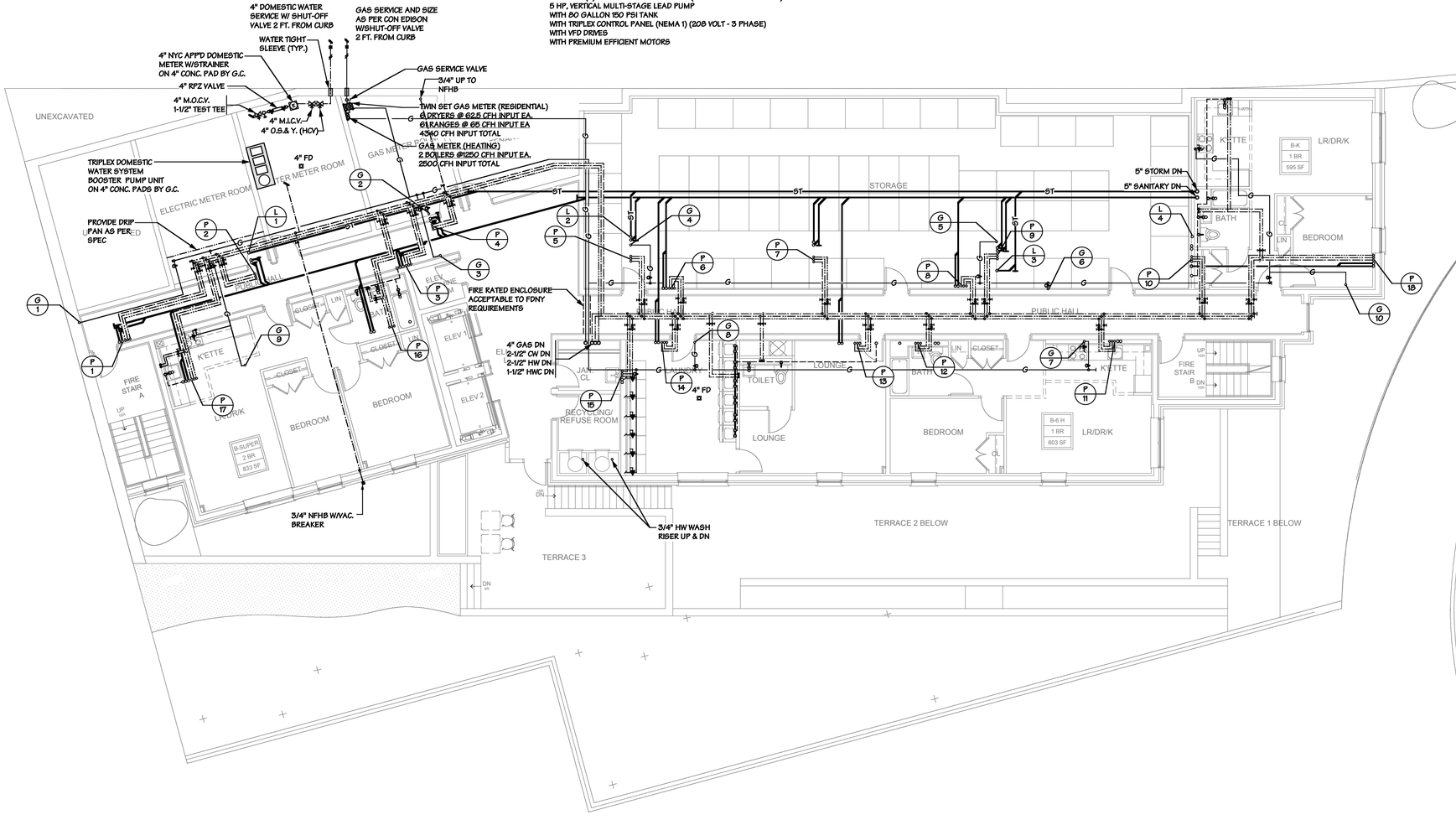

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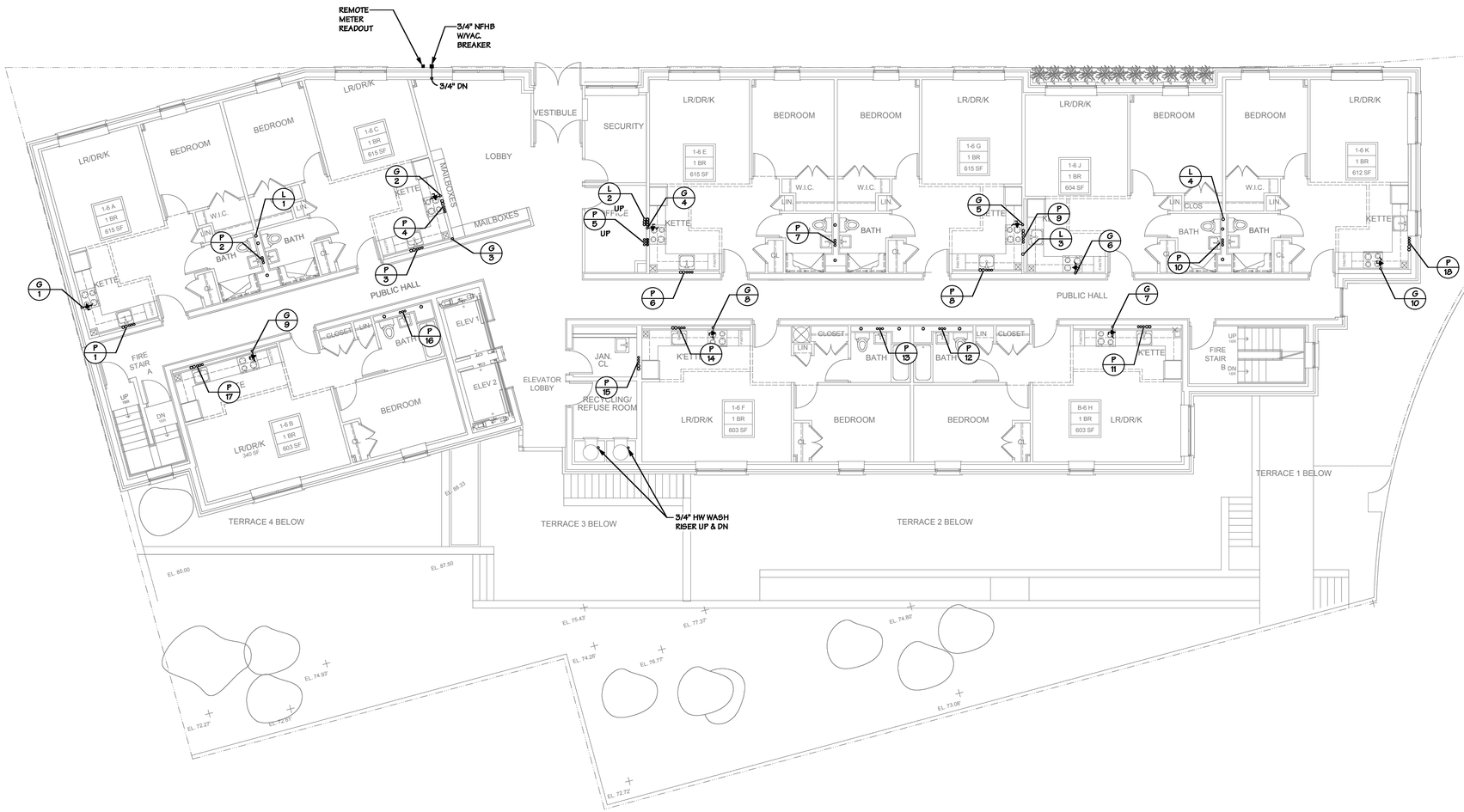

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PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

CIVIL ENGINEERING CONSULTANT:

NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

SEAL & SIGNATURE:

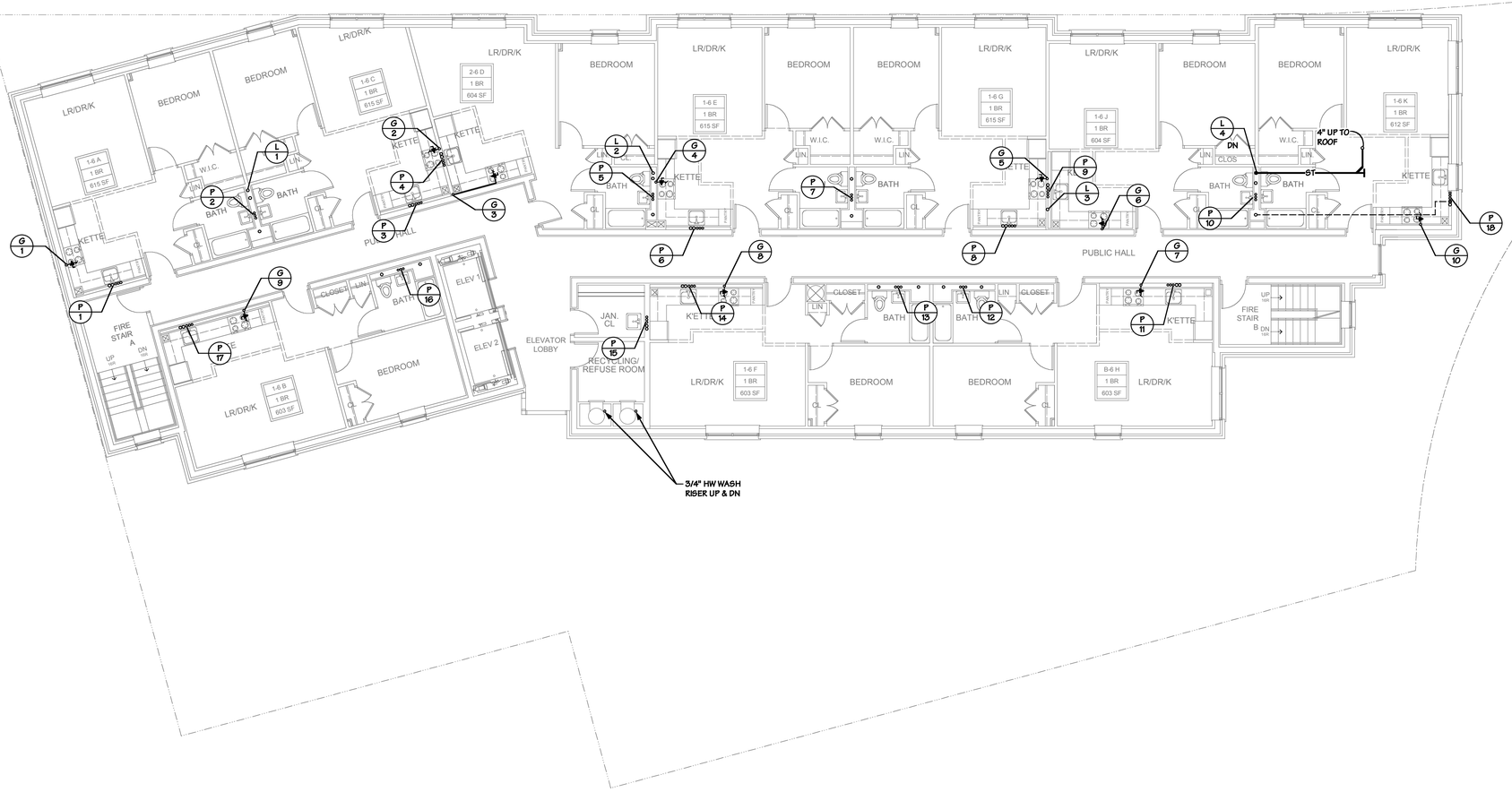
DRAWING TITLE:

FIRST FLOOR PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: 1/8"=1'-0"

DRAWING #:
P-003.00



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CIVIL ENGINEERING CONSULTANT:

NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

SEAL & SIGNATURE:

DRAWING TITLE:

TYPICAL (2-5) FLOOR PLAN

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

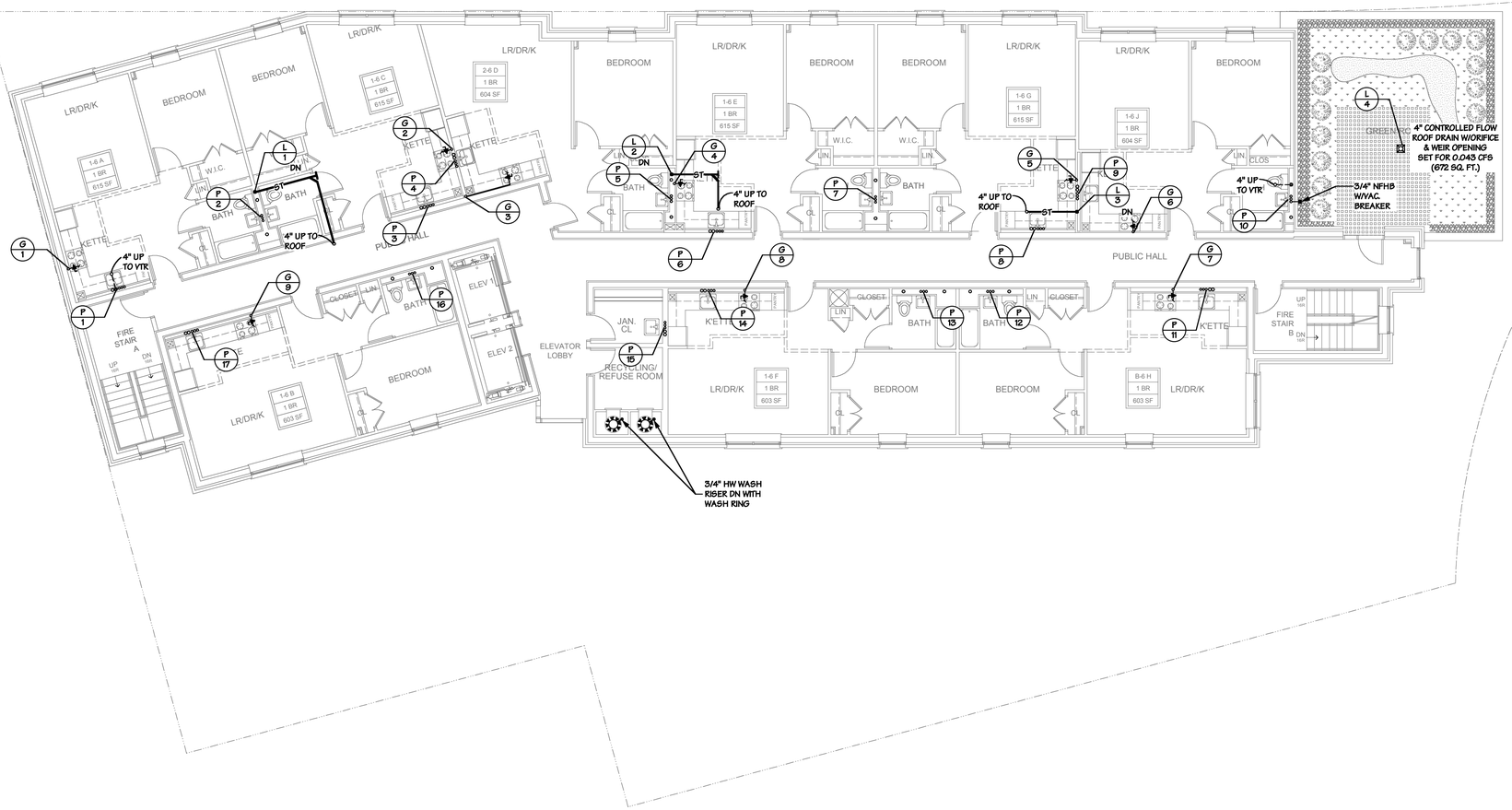
DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: YL/PJ

SCALE: 1/8"=1'-0"

DRAWING #: P-004.00



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CIVIL ENGINEERING CONSULTANT:

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SEAL & SIGNATURE:

DRAWING TITLE:

SIXTH FLOOR PLAN

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

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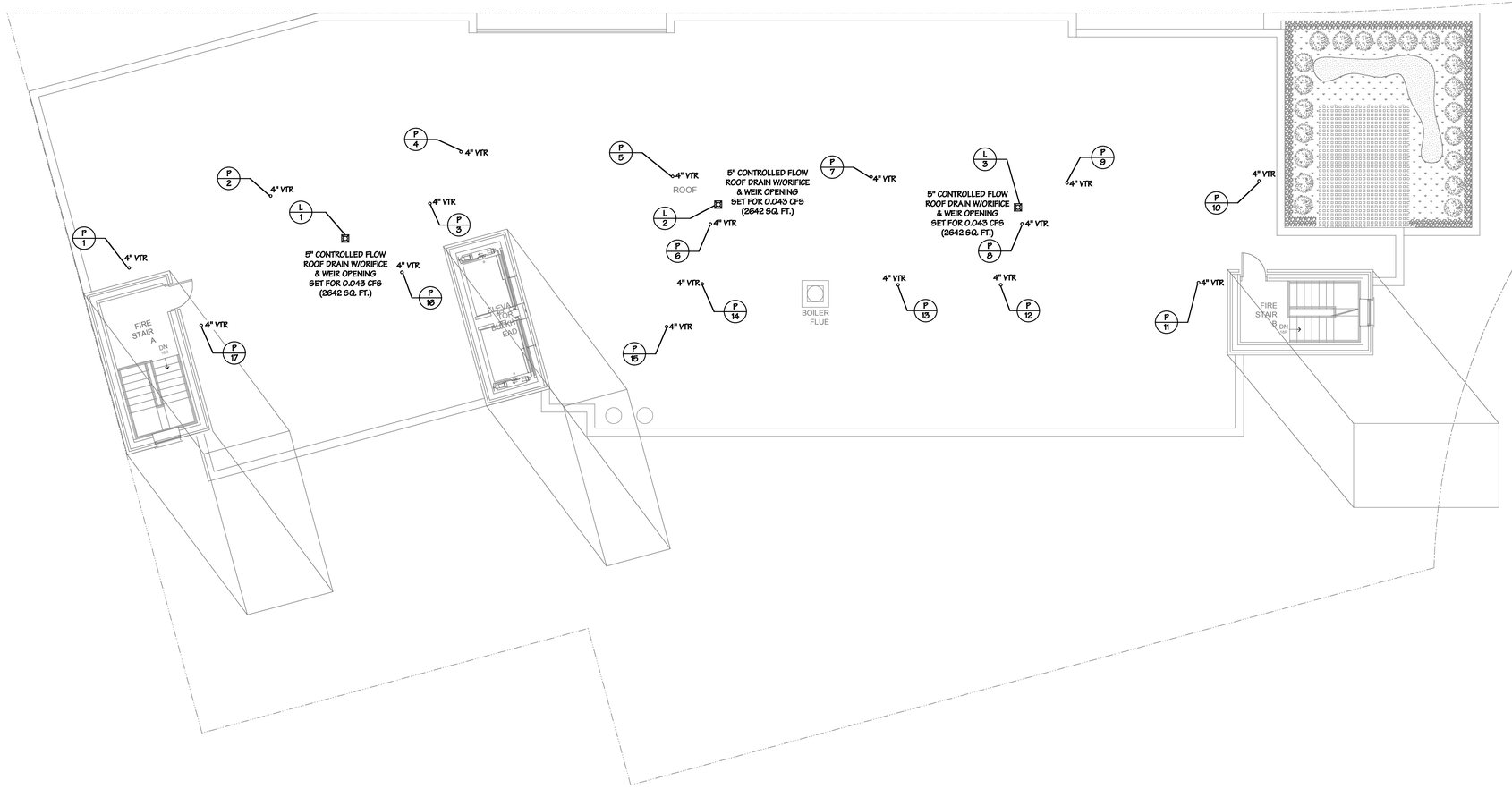
JOB #: 09J06

DRAWN BY: YL/PJ

SCALE: 1/8"=1'-0"

DRAWING #: P-005.00



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SEAL & SIGNATURE:

DRAWING TITLE:

ROOF PLAN

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: YL/PJ

SCALE: 1/8"=1'-0"

DRAWING #:

P-006.00

HYDRAULIC CALCULATIONS - 92 West Tremont Avenue

Site Area = 14897.96 sq. ft. = 0.34 acres
Tributary Area = 14897.96 sq. ft. = 0.34 acres

C = 2900.96 sq. ft. @ 0.85 for asphalt
C = 8621.00 sq. ft. @ 1.00 for roof areas
C = 3376.00 sq. ft. @ 0.20 for grass

SANITARY FLOW: R7-1 For Entire Site

R7-1 mapped zoning
230 persons/acre
150 GPD/person
4 Peak Load Factor

persons/acre * Acres * # GPD/person * Peak Load Factor / 7.48 * 86400 = 0.07 CFS

Actual Sanitary = Allowable Sanitary Flow

STORM FLOW: For Tributary Area

Cw = ((pavement sq.ft. * C) + (roof sq. ft. * C) + (grass sq. ft. * C)) / site area sq. ft. = 0.79

Qall = 0.44 * 4.0 * acres = 0.60 CFS

DEVELOPED FLOW:

Qdev = (sq.ft. * Cw * 5.95) / 43560 = 1.61 CFS

1.61 CFS (Qdev) > 0.60 CFS (Qall) FLOW MUST BE RESTRICTED

Qo = Qall / (acres * Cw) = 2.23 CFS

VOLUME TO BE DETAINED:

t= (SQRT(12600 / Qo) -15 / 2.00 = 22.59

V = 819.16 cu. ft. = 6127.28 gallons

USE ROOF DETENTION:

Use 8621.00 roof sq. ft. x 4.00 inches = 2873.67 cu. ft.

LOT AREA: 14897.96007 SQ. FT. = 0.3420 ACRES

PERMITTED Q (STORM): 0.44 X 4.00 X 0.13 = 0.23 CFS

PROPOSED DESIGN FLOW

WEST 177TH STREET

SANITARY: ENTIRE LOT FULL FLOW
= 0.07

STORM: ENTIRE LOT IS RESTRICTED TO ALLOWABLE
= 0.60 CFS

PAVEMENT 2900.96 SQ. FT.

2900.96 / 43560 X .85 X 5.95 = 0.337 CFS FULL FLOW

GRASS 3376.0 SQ. FT.

3376.0 / 43560 X .2 X 5.95 = 0.092 CFS FULL FLOW

ROOF 8621.0 SQ. FT.

8621.0 / 43560 X 1.0 X 5.95 = 1.178 CFS

TOTAL DEVELOPED FLOW = 1.61 CFS WHICH MUST BE RESTRICTED

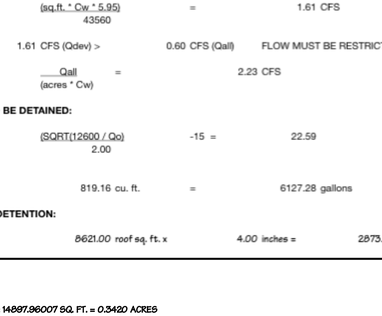
USE ROOF DETENTION

ALLOWABLE FLOW 0.60 CFS - PAVEMENT 0.337 CFS - GRASS 0.092 CFS = 0.171 CFS

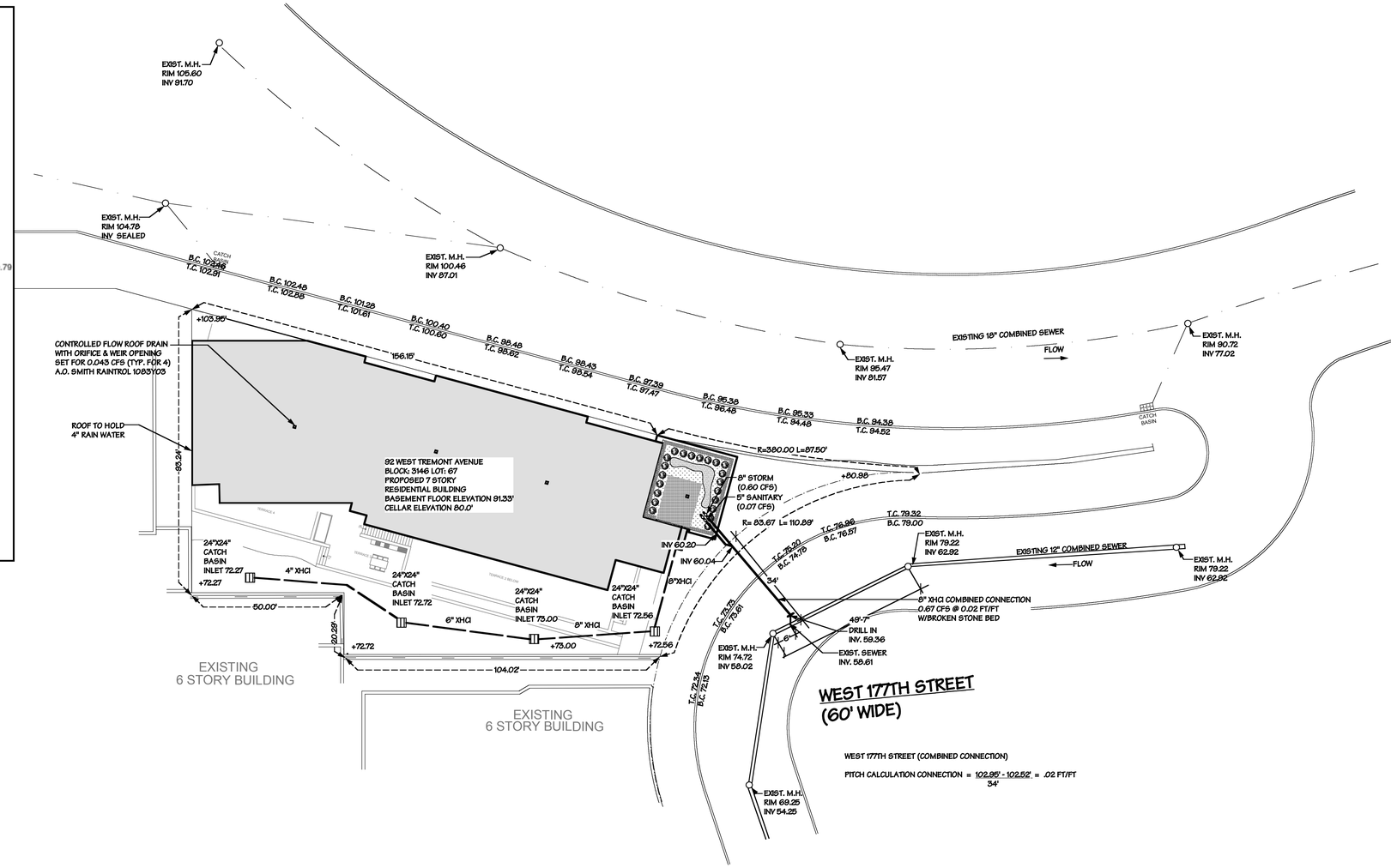
RESTRICT ROOF TO 0.171 CFS USING 4 ROOF DRAINS WITH ORIFICE & WEIR SET TO 0.043 CFS EACH (4 x 0.043 = 0.171 CFS)

RESTRICT ENTIRE SITE STORM TO ALLOWABLE = 0.60 CFS

(1) COMBINED CONNECTION 0.67 CFS

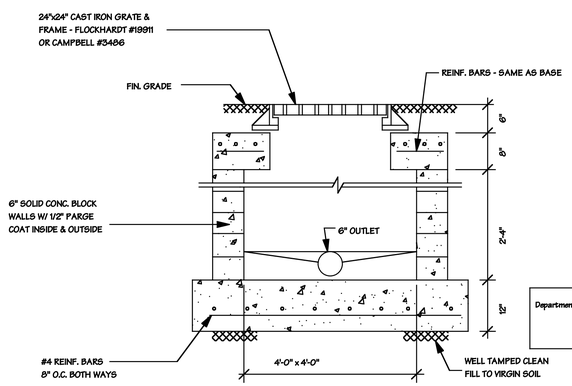


TYPICAL FLAT ROOF TYPE FLOW CONTROL ROOF DRAIN DETAIL
NOT TO SCALE



SITE PLAN

SCALE: 1"= 20'-0"



CATCH BASIN DETAIL
NO SCALE

NOTE:
CLEAR UTILITIES AS PER D.E.P. ,VERIZON AND CON EDISON REQUIREMENTS.

NOTE:
ALL ELEVATIONS SHOWN REFER TO THE BRONX DATUM WHICH IS 2.608' ABOVE MEAN SEA LEVEL AT SANDY HOOK AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY.

NOTE:
THE INVERT ELEVATIONS OF THE PROPOSED CONNECTIONS MUST BE FINALLY DEFINED ON SITE (IN THE FIELD) DEPENDING ON THE ELEVATIONS OF THE EXISTING SPURS.

SITE STORM FLOW OF 1.61 CFS WILL BE RESTRICTED TO 0.60 CFS BY MEANS OF ROOF DETENTION AND CONTROLLED FLOW DEVICES

GRADE AND SITE ELEVATIONS SHOWN HEREON REFER TO SURVEY FROM:

JOSEPH NICOLETTI ASSOCIATES
PROFESSIONAL LAND SURVEYORS, P.C.
499 JERICHO TURNPIKE, SUITE 201
MINEOLA, NEW YORK 11501

516-873-7278

SURVEYED FEBRUARY 10, 2009

Timothy Joseph Department of Housing Preservation and Development/ HPD 100 Gold Street New York, New York 10038 (212) 863-6364	THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES	Site Connection Proposal For 92 WEST TREMONT AVENUE BRONX, N.Y.	Date: 4/30/12 Scale: 1"= 20'-0"	Building Dept. No. 220177350	Zoning: R7-1 Map No. 3c	Block 2867 Lot 125

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92 WEST TREMONT AVE.
BRONX, NY 10458

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NO:	REVISION:	DATE:
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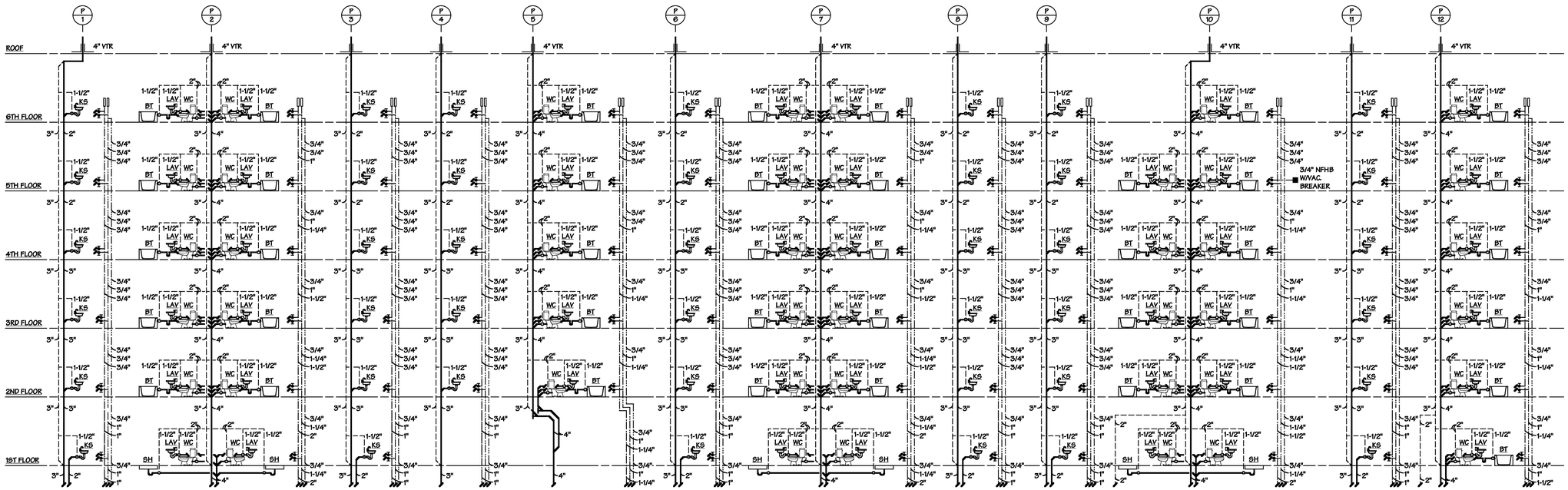
SEAL & SIGNATURE:

DRAWING TITLE:
SITE CONNECTION PROPOSAL

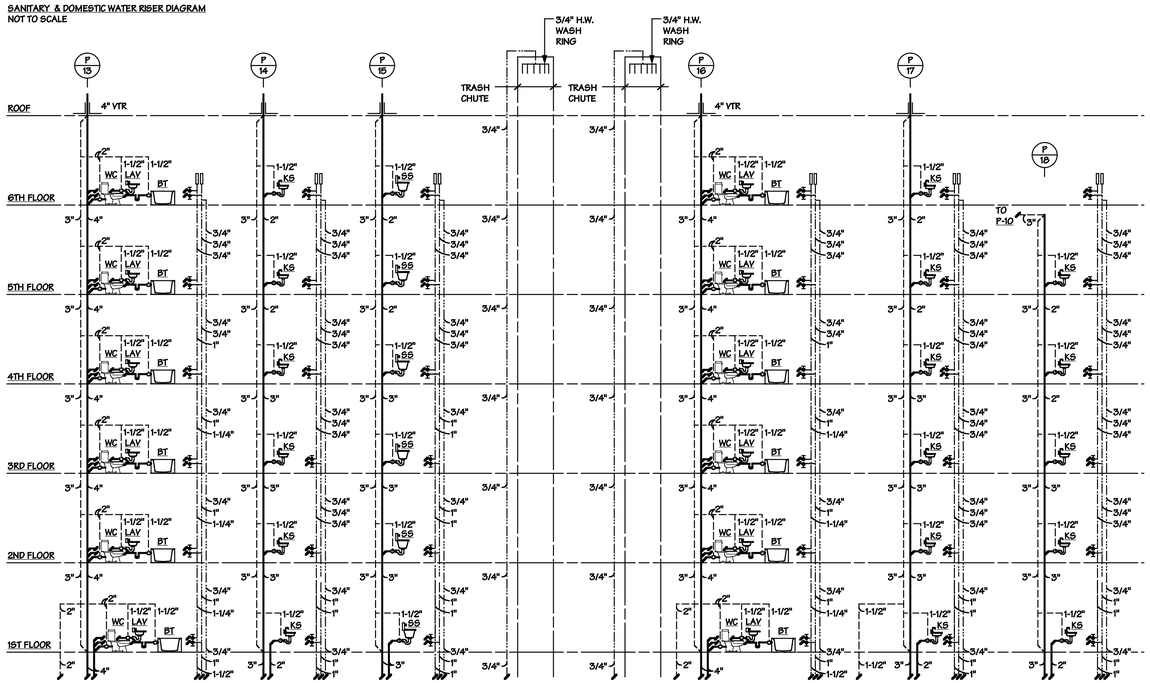
ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: AS NOTED

DRAWING #: P-007.00



SANITARY & DOMESTIC WATER RISER DIAGRAM
NOT TO SCALE



SANITARY & DOMESTIC WATER RISER DIAGRAM
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CIVIL ENGINEERING CONSULTANT:

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SEAL & SIGNATURE:

DRAWING TITLE:
RISER DIAGRAMS

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
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JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: AS NOTED

DRAWING #:
P-008.00

PAGE #:
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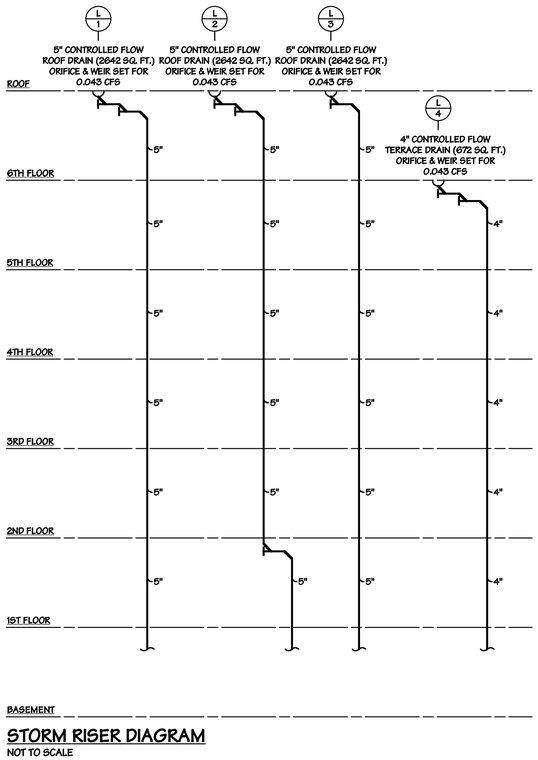
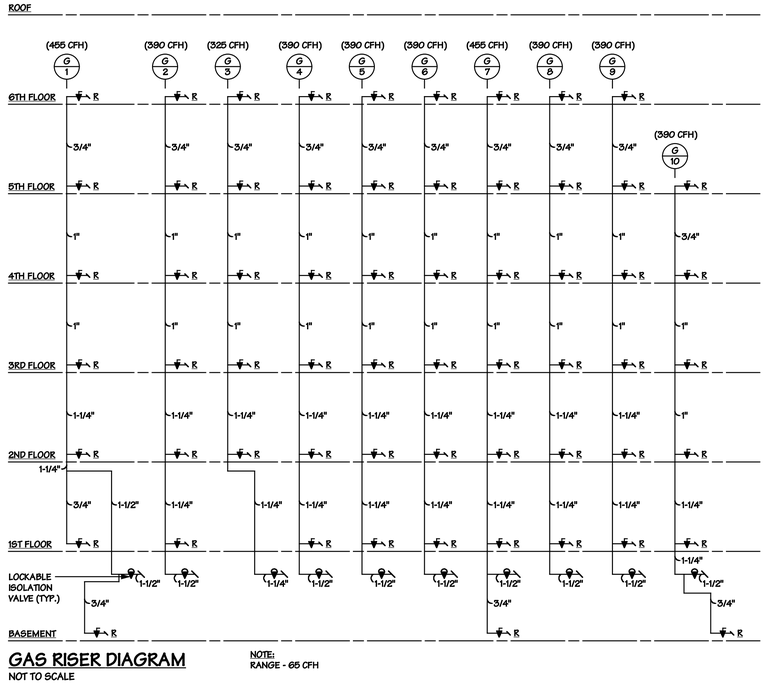


STORM RISER DIAGRAM

NOT TO SCALE



GAS RISER DIAGRAM

NOT TO SCALE

NOTE:
RANGE - 65 CFH

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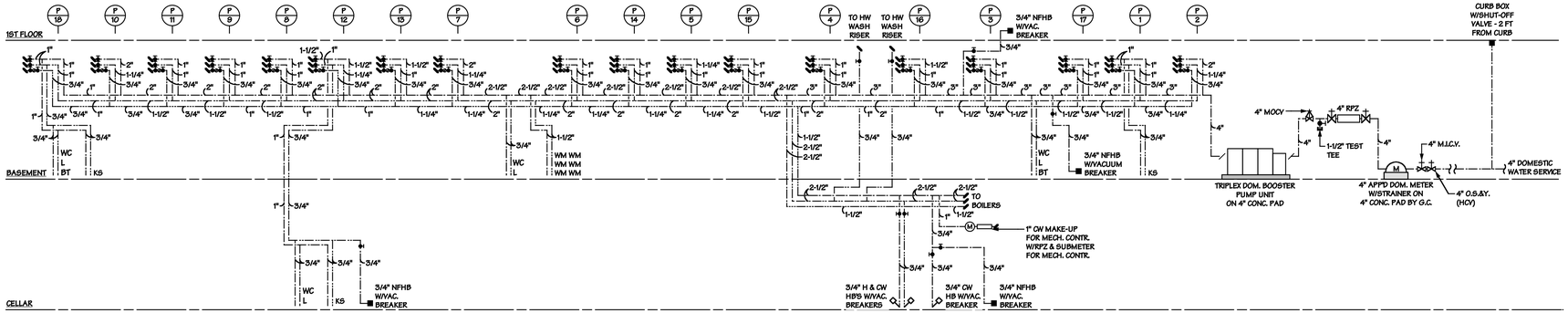
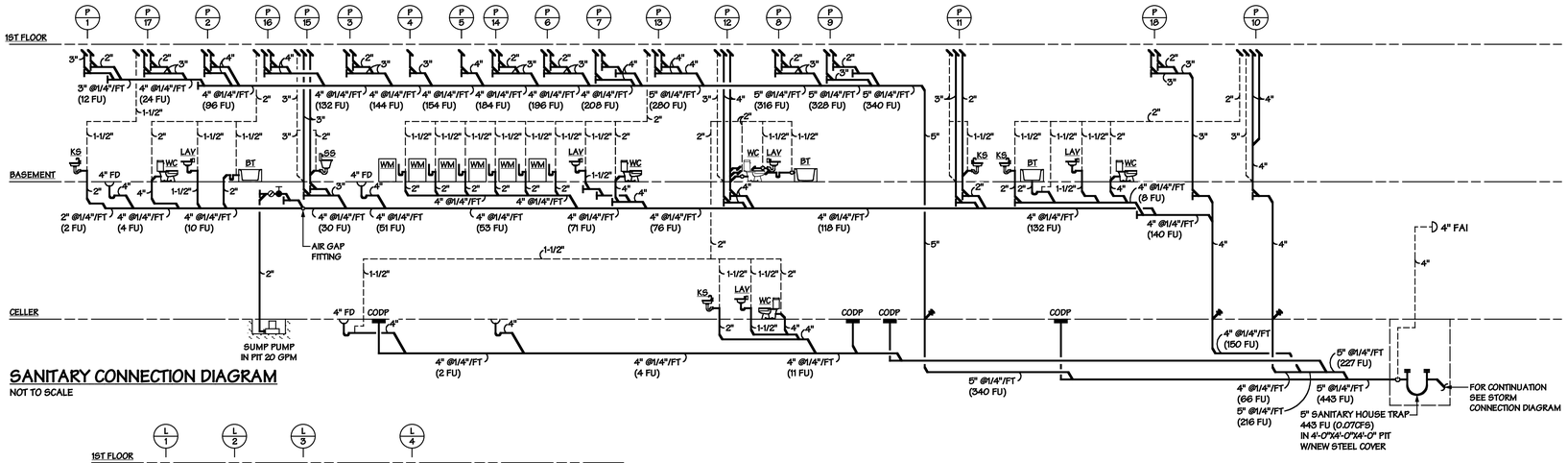


DOMESTIC WATER CONNECTION DIAGRAM

NOT TO SCALE



SANITARY CONNECTION DIAGRAM

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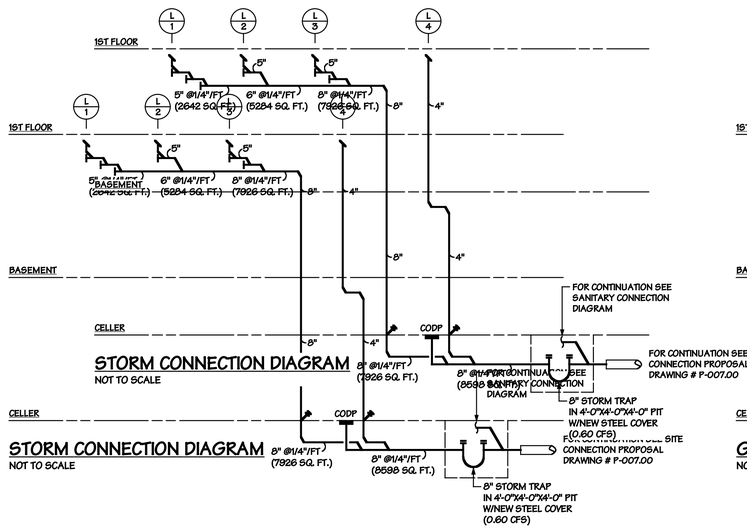
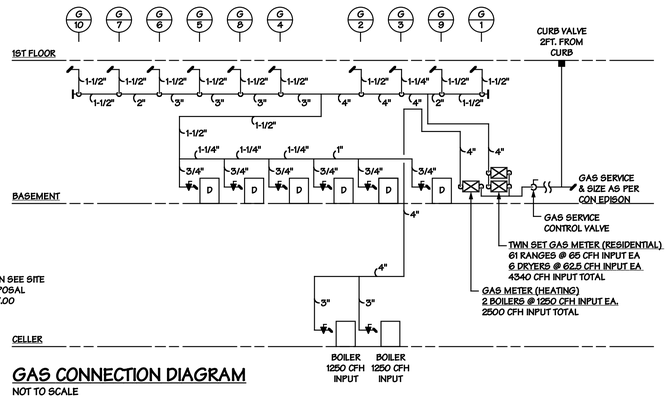


STORM CONNECTION DIAGRAM

NOT TO SCALE

STORM CONNECTION DIAGRAM

NOT TO SCALE



GAS CONNECTION DIAGRAM

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SEAL & SIGNATURE:

DRAWING TITLE:

CONN. DIAGRAMS

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NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

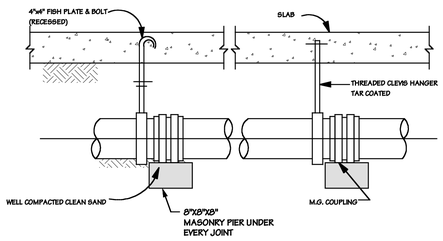
DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: YL/PJ

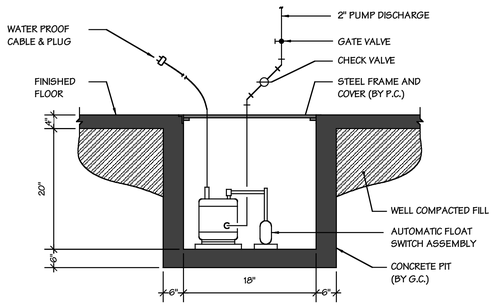
SCALE: AS NOTED

DRAWING #: P-010.00

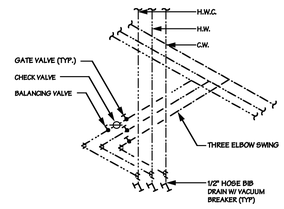


NOTE: LOCATE HANGERS ERVERY 5 FT AND AFTER EVERY M.G. COUPLING

1 PIPE HANGING DETAIL (UNDERGROUND)
NOT TO SCALE

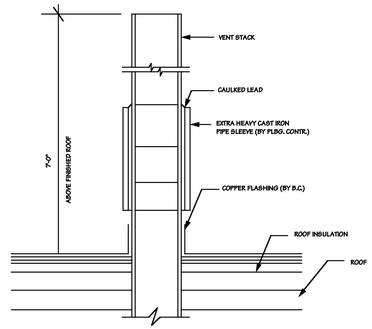


2 ELEVATOR SUMP PUMP DETAIL
NOT TO SCALE

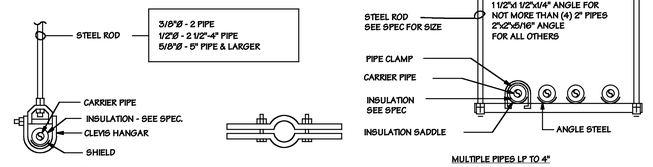


TYPICAL VALVING AT BASE OF RISERS
NOT TO SCALE

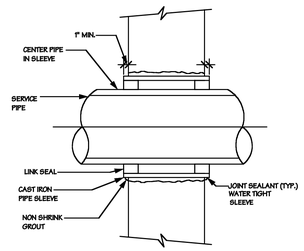
3 TYPICAL IN-LINE PIPE CONNECTION DETAIL
NOT TO SCALE



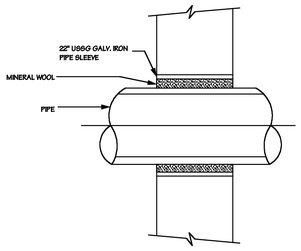
4 TYPICAL GAS VENT THRU ROOF WITH VENT CAP DETAIL
NOT TO SCALE



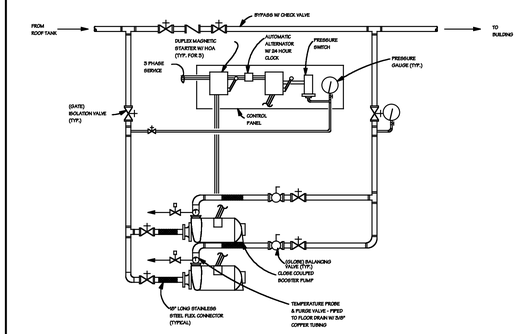
5 TYPICAL PIPE HANGER AND SUPPORT DETAIL
NOT TO SCALE



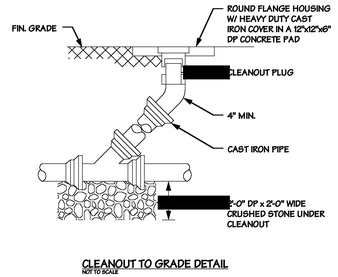
6 WATERTIGHT SLEEVE EXTERIOR WALLS DETAIL
NOT TO SCALE



7 PIPES PASSING THRU INTERIOR WALLS DETAIL
NOT TO SCALE

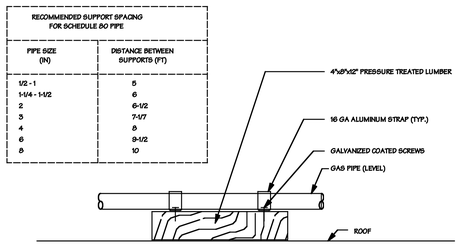


8 DUPLEX BOOSTER PUMP DETAIL
NOT TO SCALE



CLEANOUT TO GRADE DETAIL
NOT TO SCALE

9 TYPICAL SMALL THRU-WALL UNIT - BRICK WALL INSTALLATION DETAIL
NOT TO SCALE



GAS PIPE SUPPORT ON ROOF
NO SCALE

10 TYPICAL AIR-COOLED CONDENSING UNIT - SLAB MOUNTED DETAIL
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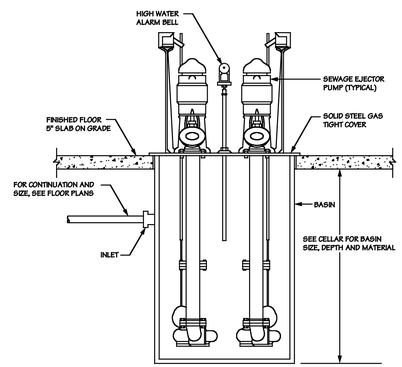

11 SEWAGE EJECTOR DETAIL
NOT TO SCALE

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JOB #: 09J06
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SCALE: AS NOTED

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P-011.00

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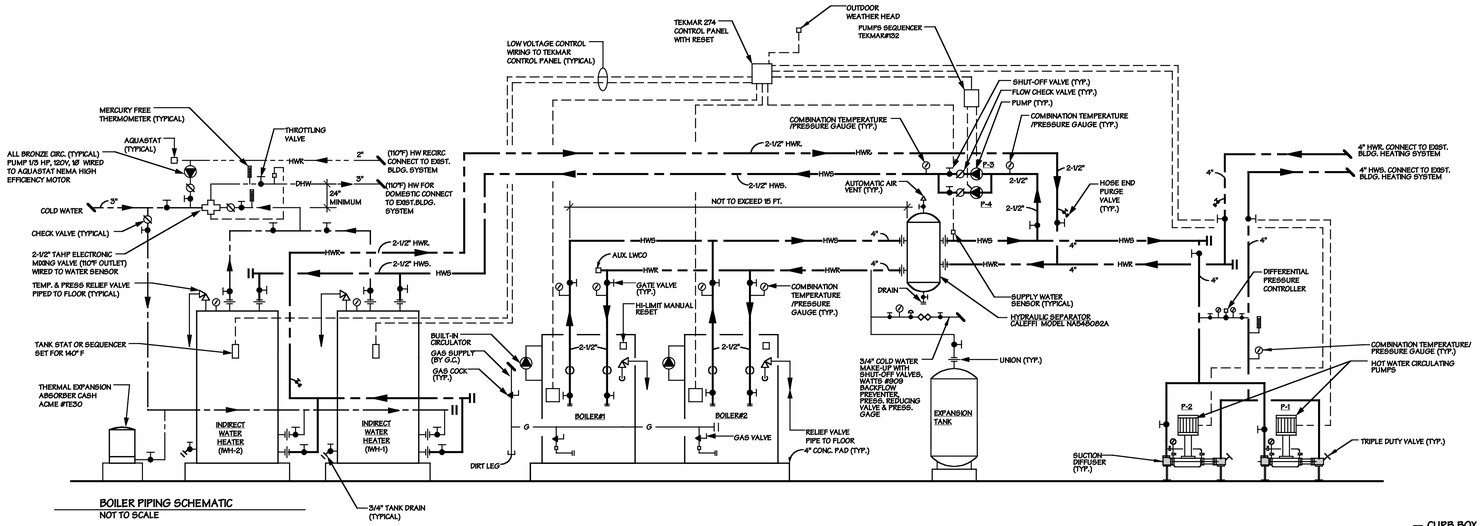
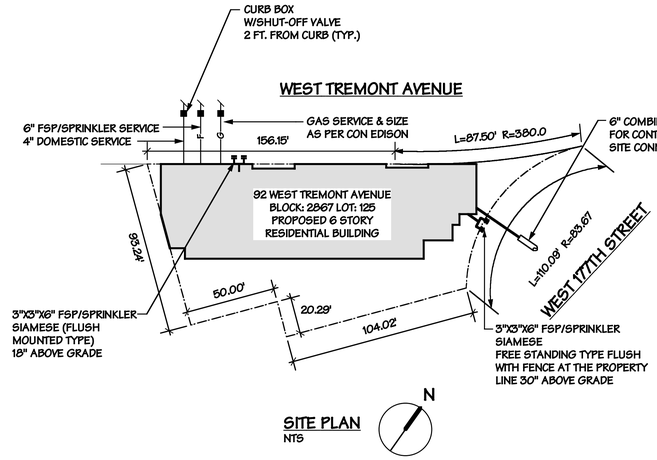


BOILER PIPING SCHEMATIC
NOT TO SCALE

NOTES:
1. PITCH BREECHING UP TOWARD CHIMNEY 1/4" PER RUNNING FOOT.
2. LOCATE OUTDOOR SENSOR ON NORTH WALL IN SUNSHIELD.
3. INSTALLATION OF BOILERS SHALL BE IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
4. SUBMIT BREECHING LAYOUT PRIOR TO FABRICATION.
5. VENT ALL HIGH POINTS & DRAIN ALL LOW POINTS.
6. PROVIDE REVERSE RETURN PIPING ARRANGEMENT TO DOMESTIC HOT WATER HEATERS.
7. PROVIDE VIBRATION ISOLATORS FOR PIPE HANGERS.
8. SOUND ATTENUATION SHALL BE SPECIFIED BY ARCHITECT.
9. MAINTAIN CLEARANCES AROUND NEW EQUIPMENT AS PER MANUFACTURES REQUIREMENTS.
10. PROVIDE PIPE LABELS IN COORDINATION WITH OWNERS REPRESENTATIVE.



SITE PLAN
NTS

Table 504.5 Service Water Heating Minimum Pipe Insulation [a] (R value or Inches)	
Fluid	
Automatic Circulating Hot Water System	R-4
Cold Water Piping	1/2"

a. Based on insulation having a conductivity (k) not exceeding 0.27 BTU per inch/h • ft2 • °F

Plumbing Pump Schedule									
Pump	Location	Manufacturer	Model #	GPM	FT Head	Motor	Volts	Phase	Notes
Triplex Booster Unit	Cellar	SICO	2300	135	30 PSI	(1) 1-1/2HP, (2) 5HP	208	3	Premium Efficient Motors & VFD Drives
Submersible Sump Pump	Cellar	Grundfos	AP-12	20	30'	1/2	120	1	
HWC Recirc. Pump	Boiler Room	TACO	1610	20	12'	1/3	120	1	

Schedule of Fixture Connection and Water Data								
Fixture	Abbreviation	Soil/Waste (S/W)	Vent (V)	Cold Water (CW)	Hot Water (HW)	Fixture Units (FU)	Quantity	Total FU
Water Closet (Tank)	WC	4"	2"	1/2"		3	63	189
Lavatory	L	1-1/2"	1-1/2"	1/2"	1/2"	1	63	63
Bathtub	BT	1-1/2"	1-1/2"	1/2"	1/2"	2	55	110
Shower	SH	1-1/2"	1-1/2"	1/2"	1/2"	2	6	12
Kitchen Sink	KS	2"	1-1/2"	1/2"	1/2"	2	61	122
Service Sink	SS	3"	1-1/2"	3/4"	3/4"	3	7	21
Washing Machine	WM	2" I.W.	1-1/2"	3/4"	3/4"	3	6	18
							Total =	535

535 Fixture Units = 134 GPM
134 GPM = 4" Water Service

ACCESSIBILITY (ADA) COMPLIANCE FOR PLUMBING WORK (COORDINATE WITH ARCHITECT)

4.16 WATER CLOSETS

4.16.1 GENERAL - ACCESSIBLE WATER CLOSETS SHALL COMPLY WITH 4.16. FOR WATER CLOSETS IN DWELLING UNITS, SEE 4.32.4.2.

4.16.2 CLEAR FLOOR SPACE - CLEAR FLOOR SPACE FOR WATER CLOSETS NOT IN STALLS SHALL COMPLY WITH FIG. 28. CLEAR FLOOR SPACE MAY BE ARRANGED TO ALLOW EITHER A LEFT-HAND OR RIGHT-HAND APPROACH.

4.16.3* HEIGHT - THE HEIGHT OF WATER CLOSETS SHALL BE 17 IN. TO 19 IN. (430 mm TO 485 mm), MEASURED TO THE TOP OF THE TOILET SEAT (SEE FIG. 29). SEATS SHALL BE SPRUNG TO RETURN TO A LIFTED POSITION.

4.16.4* GRAB BARS - GRAB BARS FOR WATER CLOSETS NOT LOCATED IN STALLS SHALL COMPLY WITH FIG. 29 AND WITH 4.24.

4.16.5* FLUSH CONTROLS - FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC AND SHALL COMPLY WITH 4.25.4. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED FOR USE FROM THE WIDE SIDE OF THE TOILET STALL AND SHALL BE NO MORE THAN 44 IN. (1120mm) ABOVE THE FLOOR.

4.16.6 DISPENSERS - TOILET PAPER DISPENSERS SHALL COMPLY WITH 4.25.4 AND SHALL BE INSTALLED WITHIN REACH.

4.19 LAVATORIES, SINKS, AND MIRRORS

4.19.1 GENERAL - ACCESSIBLE LAVATORY FIXTURES, SINKS, VANITIES AND BUILT-IN LAVATORIES SHALL COMPLY WITH 4.19.

4.19.2 HEIGHT AND CLEARANCES

4.19.2.1 LAVATORIES - SHALL BE MOUNTED WITH A CLEARANCE OF AT LEAST 29 IN. (735mm) FROM THE FLOOR TO THE BOTTOM OF THE APRON. KNEE AND TOE CLEARANCES SHALL COMPLY WITH FIG. 31.

4.19.2.2 SINKS - SINKS SHALL BE MOUNTED WITH THE COUNTER OR RIM NO HIGHER THAN 34 IN (865mm) FROM THE FLOOR. EACH SINK SHALL BE A MAXIMUM OF 6-1/2 IN. (165mm) DEEP. (SINKS IN KITCHENS OF ACCESSIBLE DWELLING UNITS SHALL COMPLY WITH 4.32.5.5)

4.19.3 CLEAR FLOOR SPACE - A CLEAR FLOOR SPACE 30 IN BY 48 IN (760mm BY 1220 mm) COMPLYING WITH 4.2.4 SHALL BE PROVIDED IN FRONT OF A LAVATORY OR SINK TO ALLOW A FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL EXTEND A MAXIMUM OF 19 IN. (485mm) UNDERNEATH THE LAVATORY OR SINK.

4.19.4 EXPOSED PIPES AND SURFACES - HOT WATER AND DRAIN PIPES UNDER LAVATORIES OR SINKS SHALL BE INSULATED OR OTHERWISE PROTECTED IF THEY ABUT THE CLEARANCE AREAS INDICATED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES OR SINKS.

4.19.5 FAUCETS - FAUCETS SHALL COMPLY WITH 4.25.4. CONVENTIONAL ONE-QUARTER-TURN, LEVER-OPERATED, PUSH-TYPE AND AUTOMATICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

4.19.6* MIRROR - MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTED SURFACE NO HIGHER THAN 40 IN (1015mm) FROM THE FLOOR.

ABBREVIATIONS

CO - CLEANOUT
CW - COLD WATER
CODP - CLEANOUT W/DECKPLATE
DF - DRINKING FOUNTAIN
DW - DISHWASHER
EJ - EJECTOR
FAI - FRESH AIR INLET
FD - FLOOR DRAIN
G - GAS
HB - HOSE BIBB WITH VACUUM BREAKER
HW - HOT WATER
HWC - HOT WATER CIRCULATING
KS - KITCHEN SINK
LAV - LAVATORY
NFHB - NON FREEZE HOSE BIBB
RD - ROOF DRAIN
S - SOIL
SAN - SANITARY
SH - SHOWER
SK - SINK
SS - SERVICE SINK
ST - STORM
UR - URINAL
V - VENT
VTR - VENT THRU ROOF
W - WASTE
WC - WATER CLOSET
WM - WASHING MACHINE

SYMBOL LIST

- BALANCING VALVE
- CHECK VALVE
- COLD WATER PIPING
- EJECTOR DISCHARGE
- GAS PIPING
- GATE VALVE
- HOT WATER CIRCULATING PIPING
- HOT WATER PIPING
- LOCKABLE ISOLATION VALVE (GAS)
- PIPING ABOVE FLOOR
- PIPING BELOW FLOOR
- PLUG VALVE
- POINT OF NEW CONNECTION
- SANITARY PIPING
- STORM PIPING
- VENT PIPING

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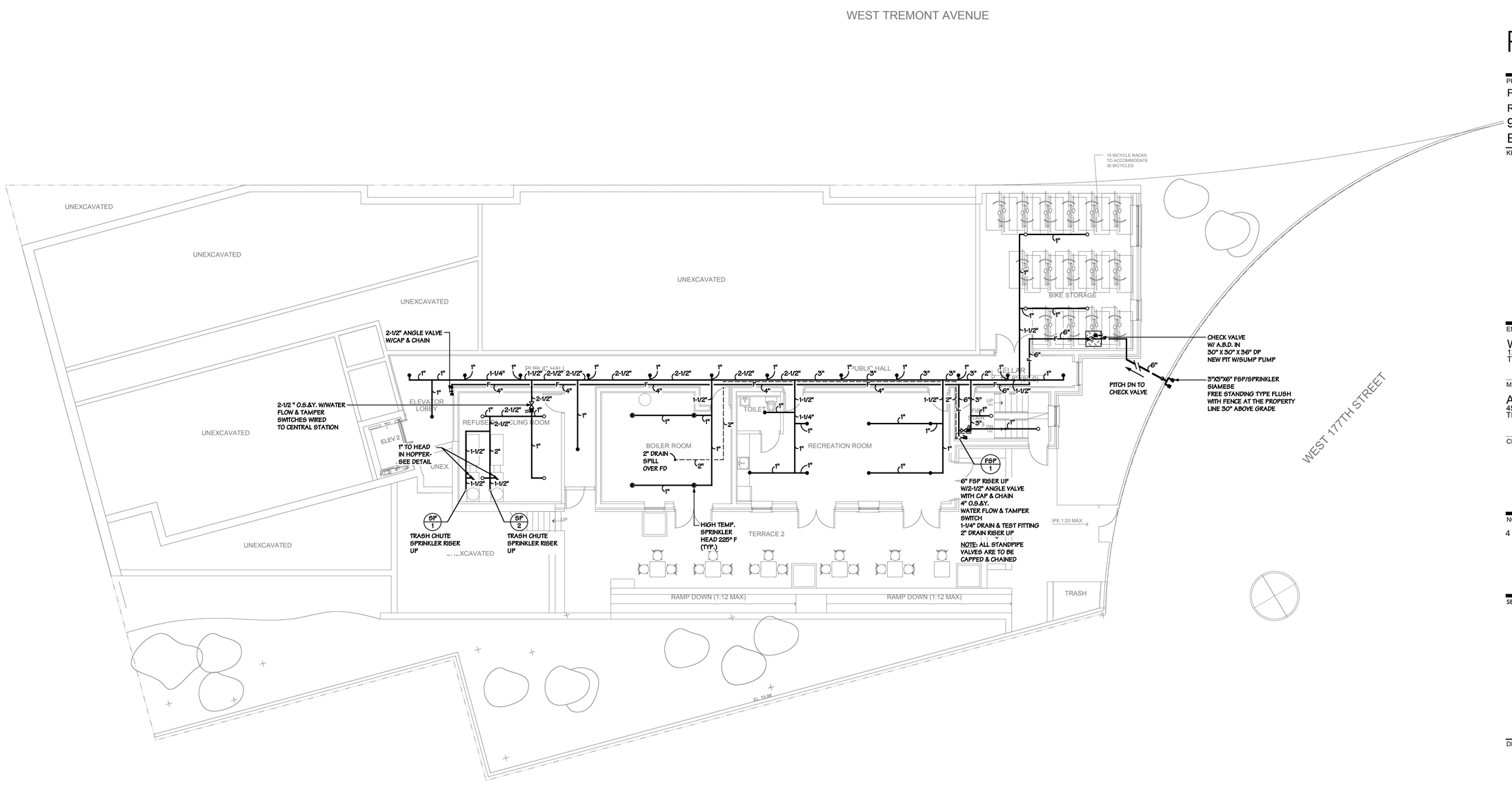
SCALE: AS NOTED
DRAWING #: P-012.00



DESIGN CRITERIA: NFPA-13
OCCUPANCY: LIGHT HAZARD
COVERAGE: 130 SF
METHOD: HYDRAULIC
DENSITY 0.10Ø GPM/SQ. FT.
WET SYSTEM: 32 SPRINKLER HEADS PLUS 4 HEADS IN COMPACTOR RM AND 2 HEADS IN HOPPERS

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CELLAR FLOOR PLAN

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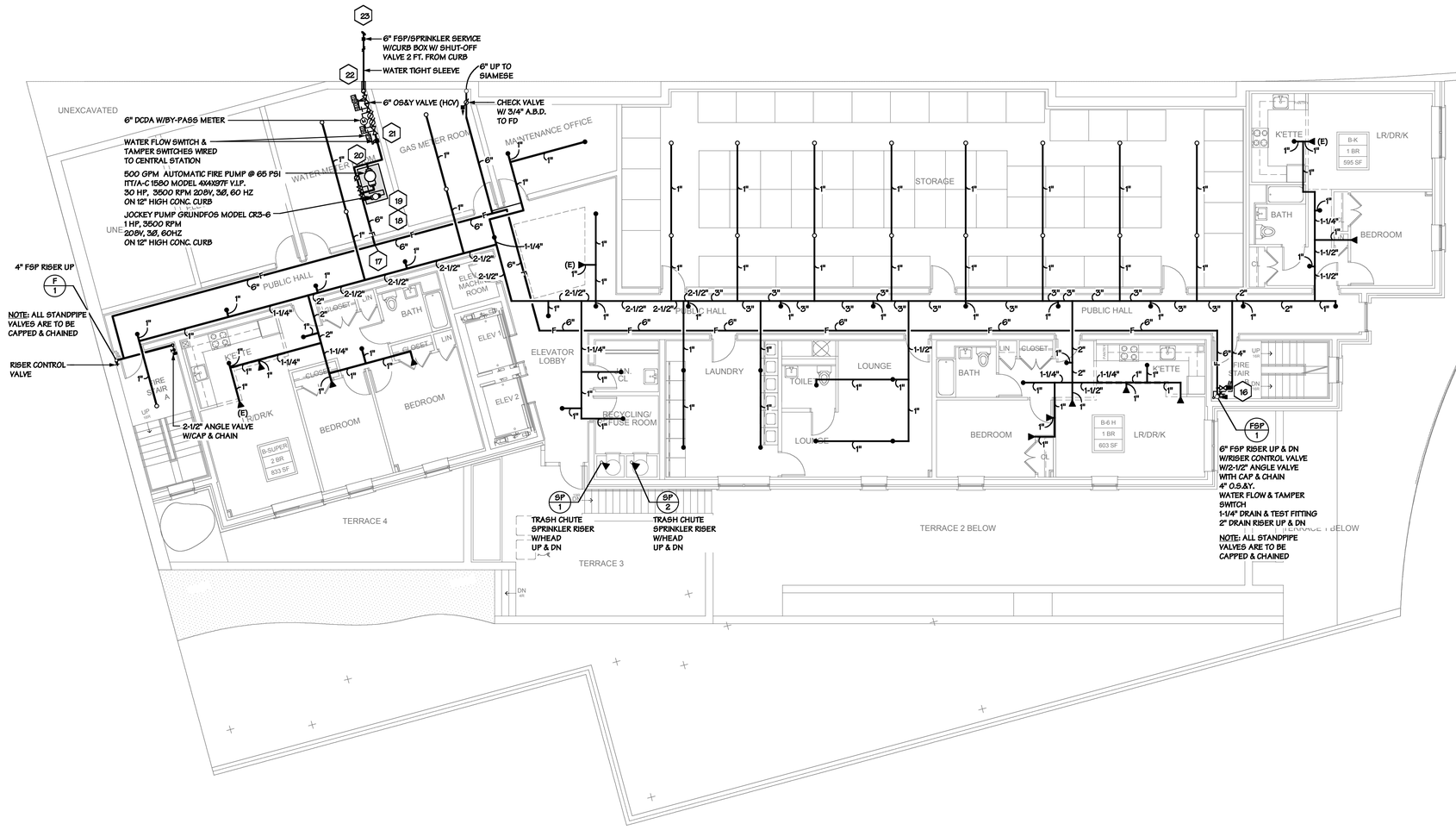

DESIGN CRITERIA: NFPA-13
OCCUPANCY: LIGHT HAZARD
COVERAGE: 130 SF
METHOD: HYDRAULIC
DENSITY 0.10B GPM/SQ. FT.
71 SPRINKLER HEADS
PLUS 2 HEADS IN TRASH CHUTES

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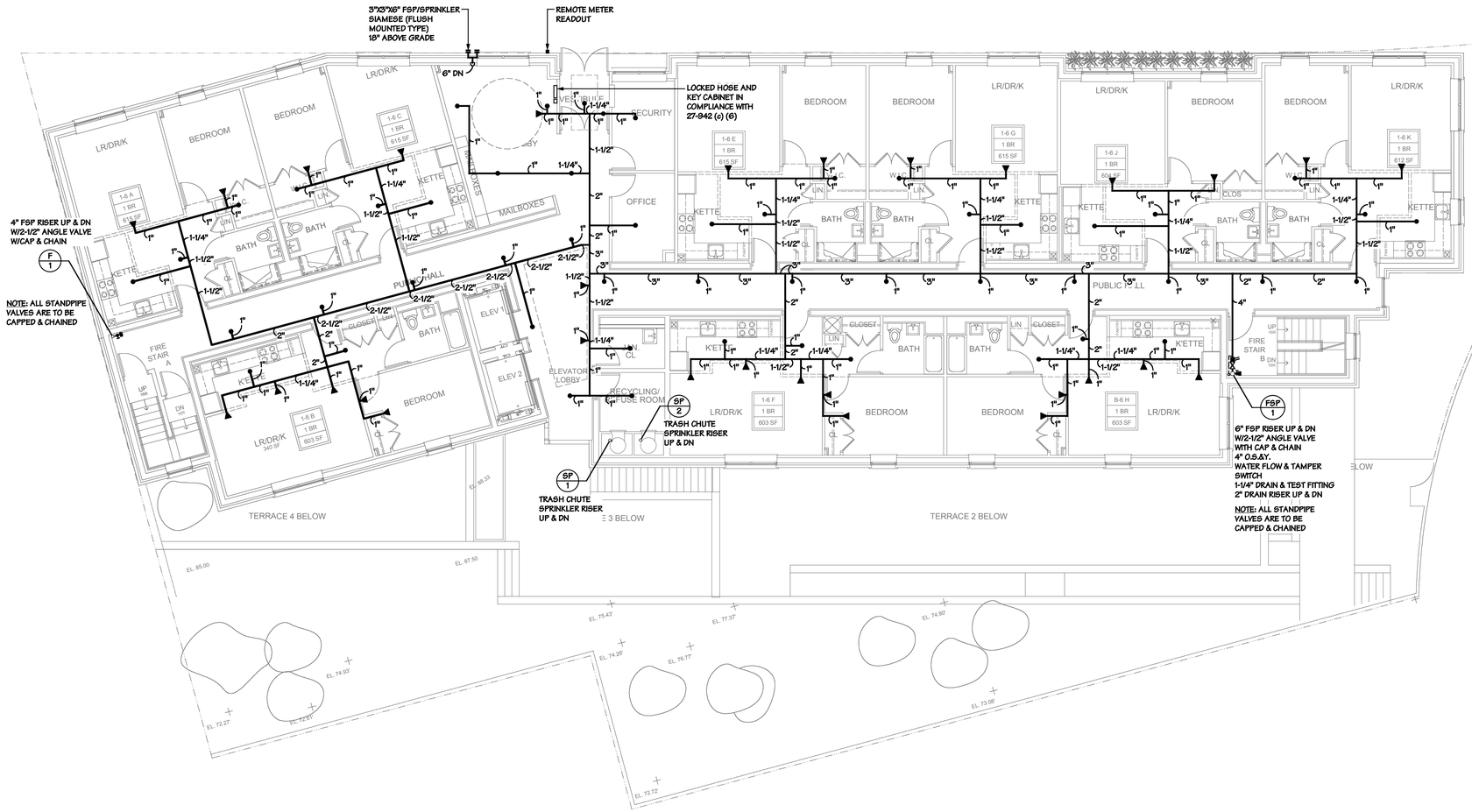

DESIGN CRITERIA: NFPA-13
OCCUPANCY: LIGHT HAZARD
COVERAGE: 130 SF
METHOD: HYDRAULIC
DENSITY 0.10Ø GPM/SQ. FT.
81 SPRINKLER HEADS

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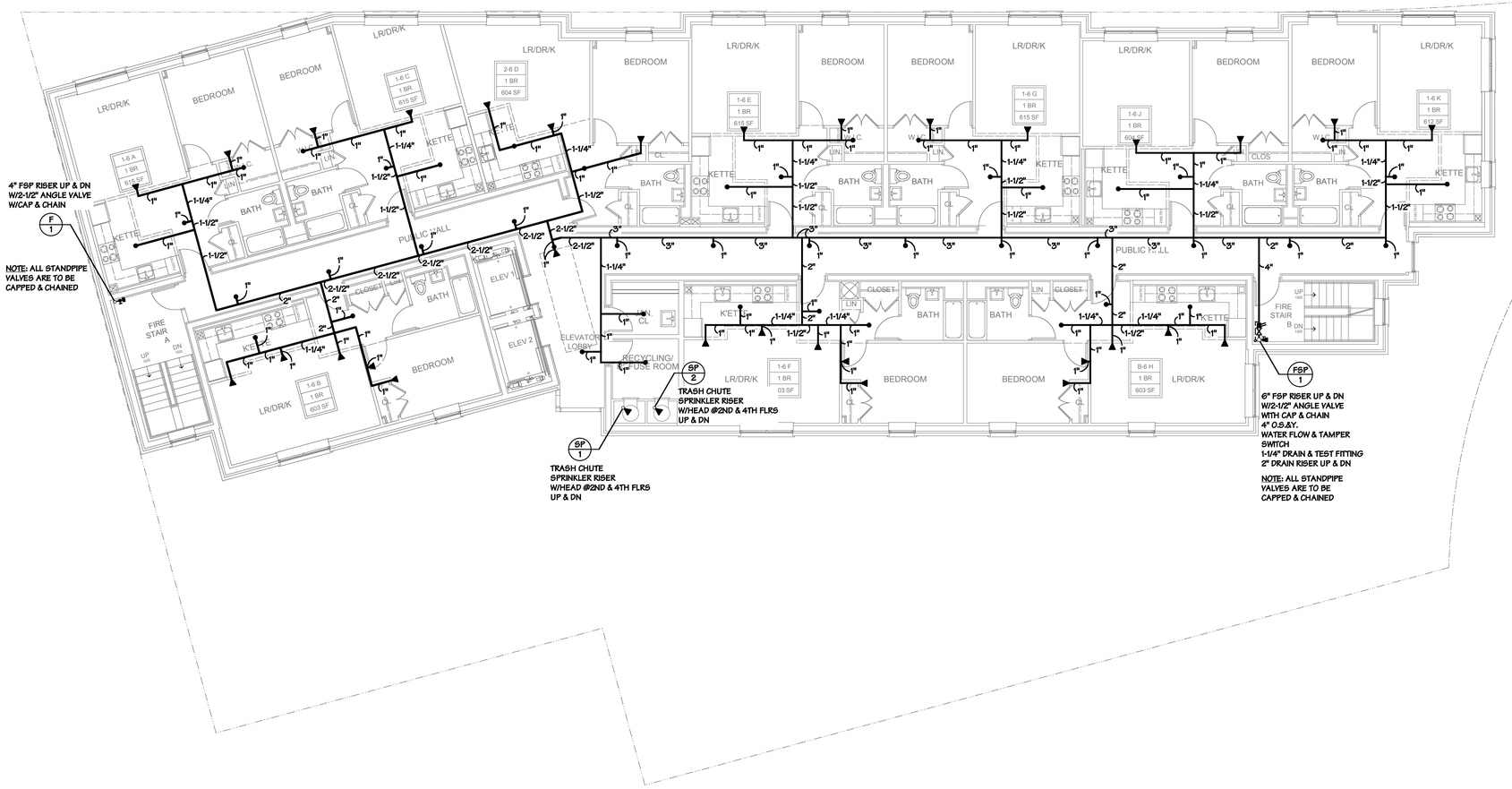

DESIGN CRITERIA: NFPA-13
OCCUPANCY: LIGHT HAZARD
COVERAGE: 130 SF
METHOD: HYDRAULIC
DENSITY 0.108 GPM/SQ. FT.
75 SPRINKLER HEADS
PLUS 2 HEADS IN TRASH CHUTES

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TYPICAL (2-5) FLOOR PLAN

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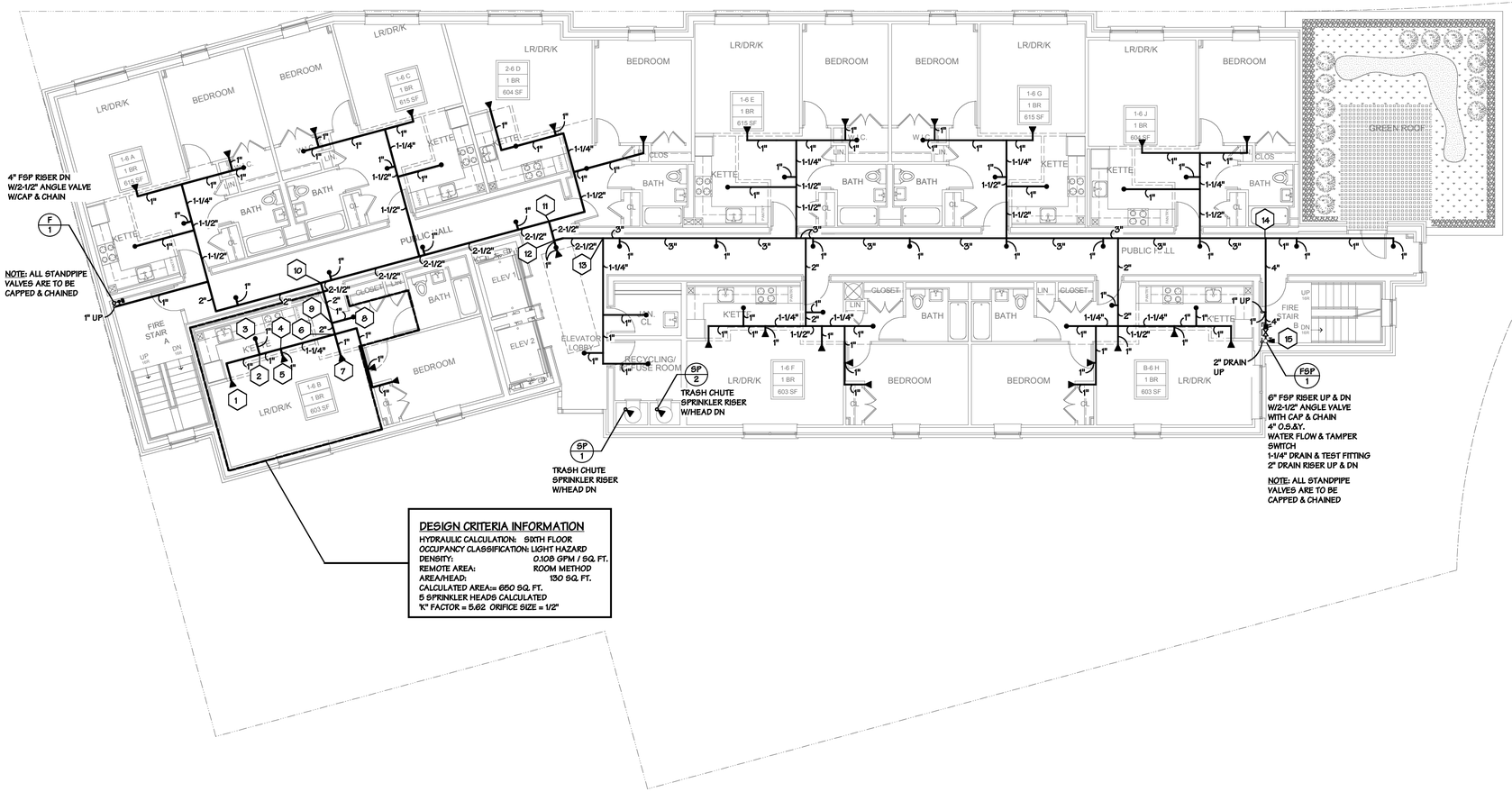

DESIGN CRITERIA INFORMATION

HYDRAULIC CALCULATION: SIXTH FLOOR
OCCUPANCY CLASSIFICATION: LIGHT HAZARD
DENSITY: 0.108 GPM / SQ. FT.
REMOTE AREA: ROOM METHOD
AREA/HEAD: 130 SQ. FT.
CALCULATED AREA:= 650 SQ. FT.
5 SPRINKLER HEADS CALCULATED
"K" FACTOR = 5.62 ORIFICE SIZE = 1/2"

DESIGN CRITERIA: NFPA-13
OCCUPANCY: LIGHT HAZARD
COVERAGE: 130 SF
METHOD: HYDRAULIC
DENSITY 0.108 GPM/SQ. FT.
70 SPRINKLER HEADS
PLUS 2 HEADS IN TRASH CHUTES

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DRAWING TITLE:
SIXTH FLOOR PLAN

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DRAWN BY: YL/PJ
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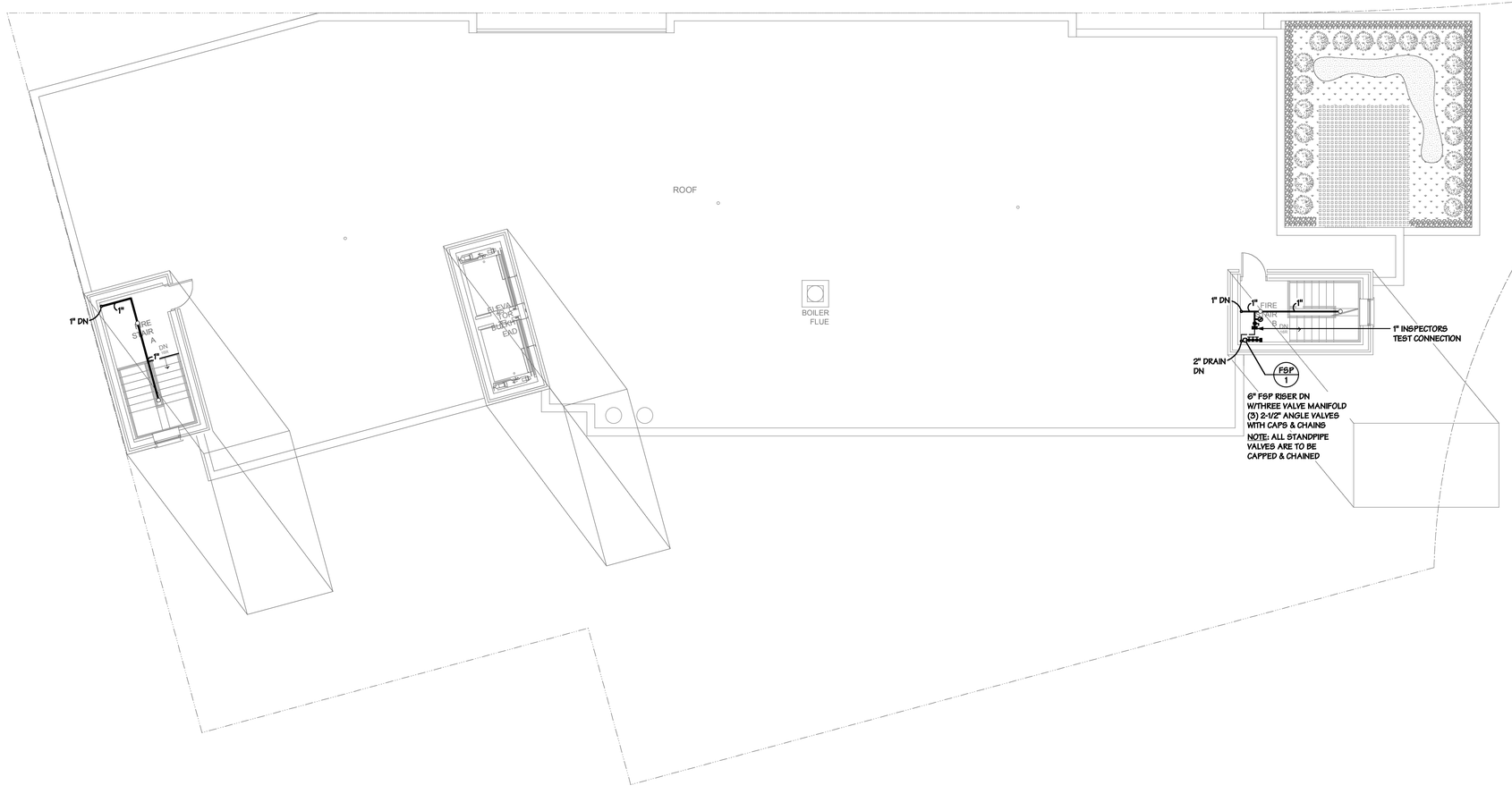
PAGE #: 5 OF 8



DESIGN CRITERIA: NFPA-13
OCCUPANCY: LIGHT HAZARD
COVERAGE: 130 SF
METHOD: HYDRAULIC
DENSITY 0.10 GPM/SQ. FT.
4 SPRINKLER HEADS

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CIVIL ENGINEERING CONSULTANT:

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ROOF PLAN

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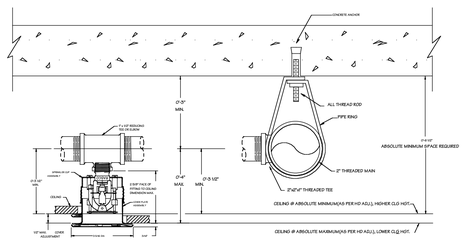
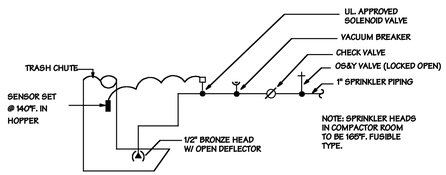
DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: 1/8"=1'-0"

DRAWING #:
SP-006.00



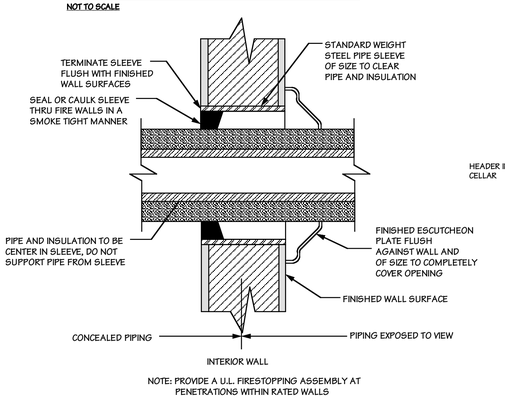
DETAIL OF PIPING & HEAD, REQUIRED SPACE TOLERANCE

NOT TO SCALE



DETAIL OF SPRINKLER HEAD IN COMPACTOR HOPPER

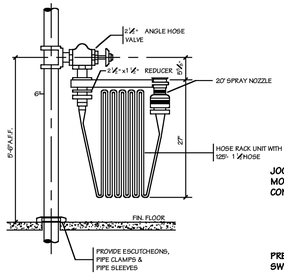
NOT TO SCALE



NOTE: PROVIDE A U.L. FIRESTOPPING ASSEMBLY AT PENETRATIONS WITHIN RATED WALLS

PIPE SLEEVE THRU WALL

N.T.S.



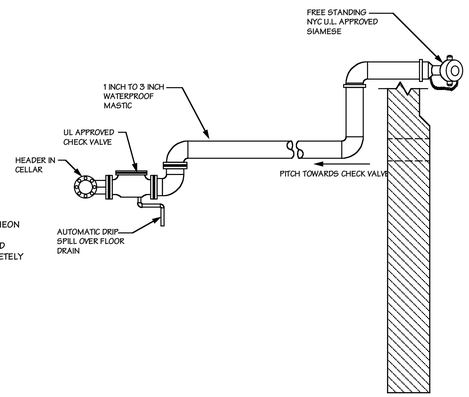
FIRE HOSE RACK

NO SCALE

NOTE: FOR TYPICAL CELLAR FLOOR ONLY
PROVIDE 28"HOSE VALVE WITH CAP & CHAIN ONLY AT ALL APT. FLOORS

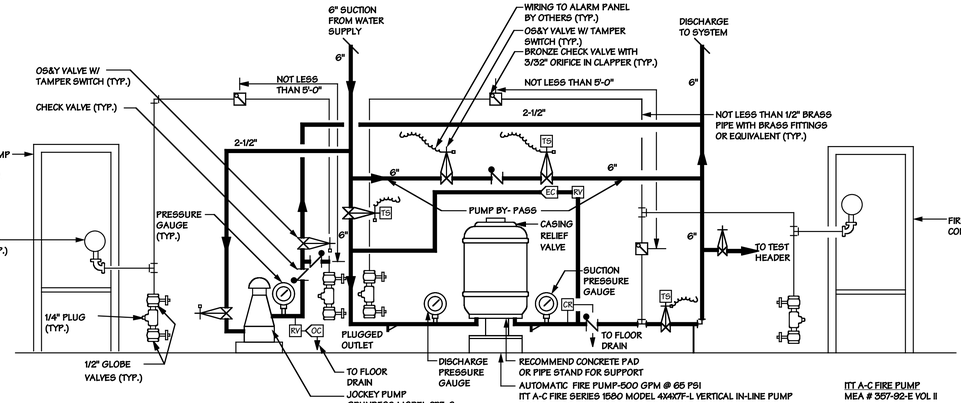
TYPES OF PIPE HANGERS METHOD OF ACCEPTABLE PIPE SUPPORTS

NOT TO SCALE



FIRE DEPARTMENT CONNECTION DETAILS

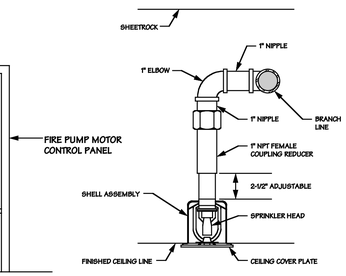
NOT TO SCALE



ITT A-C FIRE PUMP
MEA # 357-92-E VOL II

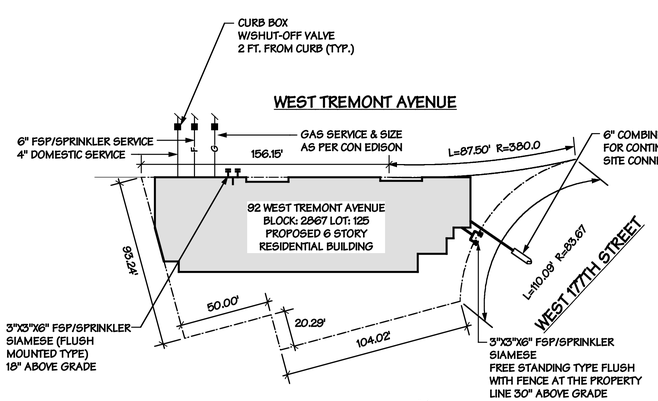
CUTLER-HAMMER FIRE PUMP CONTROLLER
MEA # 18-02-E

FIRE PUMP AND JOCKEY PUMP PIPING SCHEMATIC



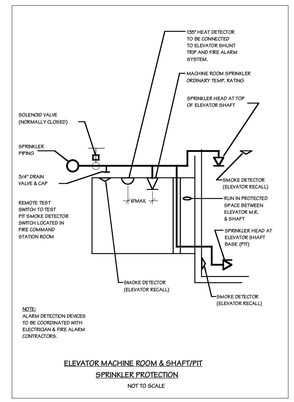
CONCEALED SPRINKLER HEAD BRANCH LINE CONNECTION

NOT TO SCALE



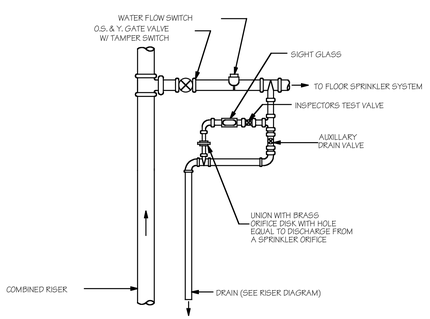
SITE PLAN

NTS



ELEVATOR MACHINE ROOM & SHAFT/PIT SPRINKLER PROTECTION

NOT TO SCALE



TYPICAL FLOOR CONTROL VALVE ASSEMBLY

NOT TO SCALE

SPRINKLER DESIGN CRITERIA

SPRINKLER HEAD TYPE										SPACING (MAXIMUM DISTANCE ARE INDICATED)	
SYMBOL	DESCRIPTION	HAZARD	AREA	COVERAGE	DENSITY	TEMP. RATING	K FACTOR	ORIFICE SIZE	MANUFACTURER	NYC APPROVAL BSA,MEA	BETWEEN HEADS	BETWEEN HEADS AND WALLS
●	CONCEALED PENDANT WET	LIGHT	FINISHED AREAS. & APARTMENTS	144 SQ.FT.	0.10 GPM	155°F	5.6	1/2"	VIKING MODEL VK462, WHITE COVER PLATE, QUICK RESPONSE	BSA#219-76-SA MEA#89-92-E	15 FEET	7.5 FEET
○	STANDARD PENDANT/ UPRIGHT WET	LIGHT	BASEMENT	144 SQ.FT.	0.10 GPM	155°F	5.6	1/2"	VIKING MODEL VK303, BRASS FINISH, QUICK RESPONSE	BSA#219-76-SA MEA#89-92-E	15 FEET	7.5 FEET
◉	STANDARD PENDANT WET	LIGHT	BOILER ROOM	144 SQ.FT.	0.10 GPM	286°F	5.6	1/2"	VIKING MODEL VK302, BRASS FINISH, QUICK RESPONSE	BSA#219-76-SA MEA#89-92-E	15 FEET	7.5 FEET
▷	SIDEWALL WET	LIGHT	SKYLIGHT	12' WIDE X 12' THROW	0.10 GPM	175°F	5.6	1/2"	VIKING MODEL VK305, BRASS FINISH, QUICK RESPONSE	BSA#219-76-SA MEA#89-92-E	12 FEET	6 FEET
▶	SIDEWALL WET	LIGHT	STAIRS	12' WIDE X 12' THROW	0.10 GPM	175°F	5.6	1/2"	VIKING MODEL VK305, BRASS FINISH, QUICK RESPONSE	BSA#219-76-SA MEA#89-92-E	12 FEET	6 FEET

SPRINKLER HEAD SPACING AND COVERAGE AS PER MANUFACTURES SPECIFICATIONS AND ACCEPTED AS PER SECTION 6.7.1.3.2 NFPA 13R-2002 EDITION AND AS PER NFPA 13 2002 EDITION; TABLE 8.6.2.2.1(A)
PROTECTION AREAS AND MAXIMUM SPACING (STANDARD SPRAY UPRIGHT/STANDARD SPRAY PENDENT) FOR LIGHT HAZARD PIPE SCHEDULE.
MINIMUM REQUIREMENT TO SPRINKLER HEAD AS FOLOWS:
PRESSURE 7.0 PSI
FLOW: 13.8 GPM

FSP/SPRINKLER LEGEND

SP	SPRINKLER PIPING
◉	SPRINKLER HEAD- HIGH TEMPERATURE - 225°F
●	SPRINKLER HEAD- CONCEALED TYPE
○	SPRINKLER HEAD- PENDANT TYPE
◀	SPRINKLER HEAD- SIDEWALL TYPE
	FLUSH TYPE FSP/SPRINKLER SIAMESE
	OS&Y VALVE
	CHECK VALVE W/ 3/4" AUTO. BALL DRIP
	CHECK VALVE
SPKLR	SPRINKLER
	WATER FLOW SWITCH
D	ELECTRIC ALARM GONG (BY ELEC. CONTR.)
FSP	FIRE STANDPIPE
◀ (E)	SPRINKLER HEAD - EXTENDED COVERAGE TYPE
— F —	COMBINED FIRE/SPRINKLER PIPING
FACP	FIRE ALARM CONTROL PANEL

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PROMESA

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DETAILS & SCHEDULES

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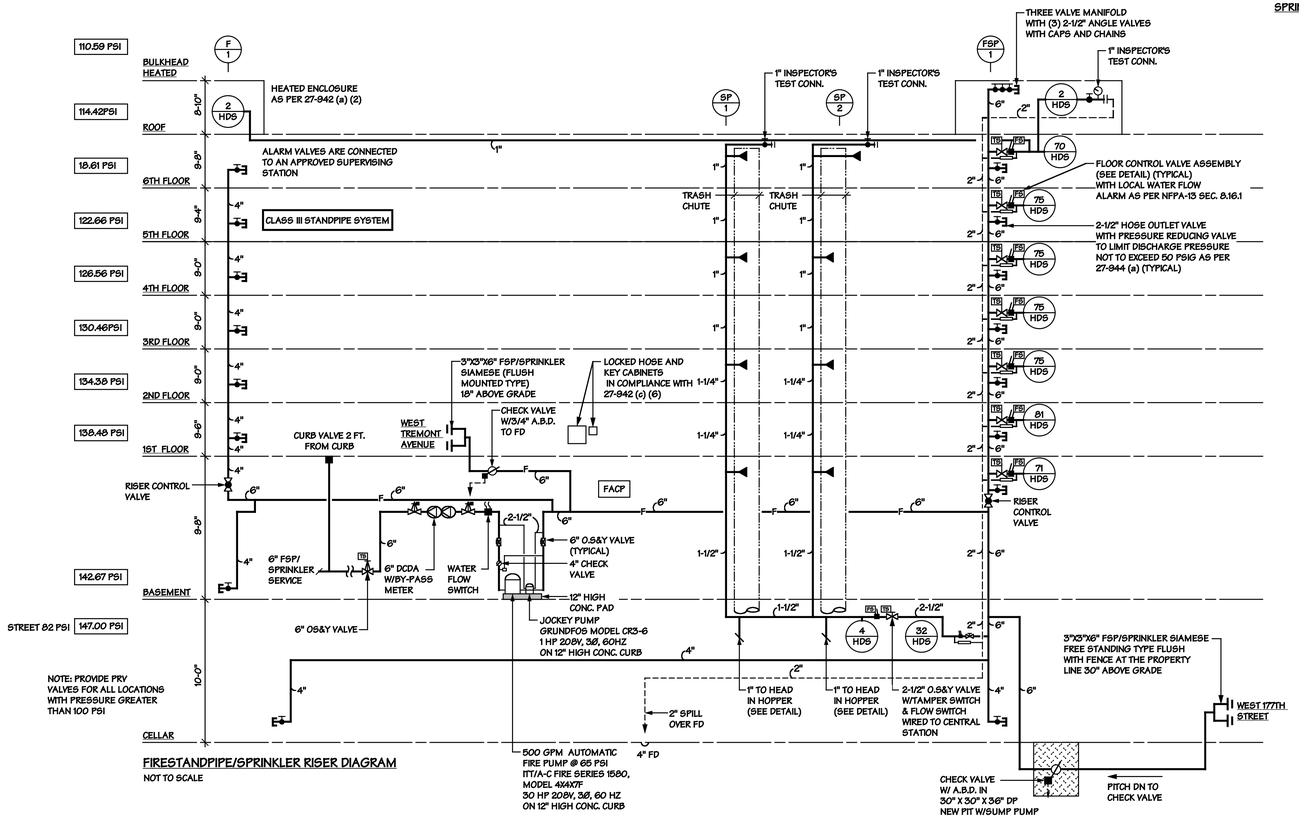
JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: AS NOTED

DRAWING #:
SP-007.00



FIRESTANDPIPE/SPRINKLER RISER DIAGRAM

NOT TO SCALE

SPRINKLER/FIRESTANDPIPE PUMP CALCULATION

HEIGHT TO HIGHEST SPRINKLER HEAD	84'-0"
HEIGHT TO ROOF MANIFOLD	79'-6"
	X .4335 PSI
	34.46 PSI
RESIDUAL AVAILABLE =	82 PSI
AVAILABLE AT MANIFOLD = 82 PSI - 34.46 PSI =	47.54 PSI
REQUIRED AT ROOF (AS PER 2008 CODE)	65 PSI
* NOT ACCEPTABLE AS PER BC-905 MUST PROVIDE AUTOMATIC FIRE PUMP	
HYDRANT FLOW TEST 9/18/2012	84 PSI STATIC
	82 PSI RESIDUAL

Table 11.2.3.1.1 Hose Stream Demand and Water Supply Duration Requirements for Hydraulically Calculated Systems

Occupancy	Inside Hose (gpm)	Total Combined Inside and Outside Hose (gpm)	Duration (minutes)
Light hazard	0, 50, or 100	100	30
Ordinary hazard	0, 50, or 100	250	60–90
Extra hazard	0, 50, or 100	500	90–120

For SI units, 1 gpm = 3.785 L/min.

11.2.3.1.2 The minimum water supply shall be available for the minimum duration specified in Table 11.2.3.1.1.

NFPA-13 2002
Table 14.5.2.2.1 Light Hazard Pipe Schedules

Steel	Copper
1 in. 2 sprinklers	1 in. 2 sprinklers
1¼ in. 3 sprinklers	1¼ in. 3 sprinklers
1½ in. 5 sprinklers	1½ in. 5 sprinklers
2 in. 10 sprinklers	2 in. 12 sprinklers
2½ in. 30 sprinklers	2½ in. 40 sprinklers
3 in. 60 sprinklers	3 in. 65 sprinklers
3½ in. 100 sprinklers	3½ in. 115 sprinklers
4 in. See Section 8.2	4 in. See Section 8.2

ALL SPRINKLER PIPING SHALL BE STEEL SCHEDULE 40

FIRE RATED PARTITION PENETRATION NOTES;

1. ALL PACKING AND FIRE STOPPING MATERIALS TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. ALL ESCUTCHEONS ON PIPING PENTRATING FIRE RATED PARTITIONS AND SLEEVES IS BY FIRE PROTECTION CONTRACTOR

NOTE: ALL SPRINKLER HEADS TO BE RAPID RESPONSE TYPE

NFPA-13 2002
8.2 System Protection Area Limitations.
8.2.1 The maximum floor area on any one floor to be protected by sprinklers supplied by any one sprinkler system riser or combined system riser shall be as follows:

(1) Light hazard — 52,000 ft2 (4831 m2)
(2) Ordinary hazard — 52,000 ft2 (4831 m2)
(3) Extra hazard
(a) Pipe schedule — 25,000 ft2 (2323 m2)
(b) Hydraulically calculated — 40,000 ft2 (3716 m2)
(4) Storage — High-piled storage (as defined in 3.3.12) and storage covered by other NFPA standards — 40,000 ft2 (3716 m2)

Table 8.6.2.2.1(a) Protection Areas and Maximum Spacing (Standard Spray Upright/Standard Spray Pendent) for Light Hazard

Construction Type	System Type	Protection Area ft2	Protection Area m2	Spacing (maximum) ft	Spacing (maximum) m
Noncombustible obstructed and unobstructed and combustible unobstructed with members 3 ft or more on center	Pipe schedule	200	18.6	15	4.6
Noncombustible obstructed and unobstructed and combustible unobstructed with members 3 ft or more on center	Hydraulically calculated	225	20.9	15	4.6
Combustible obstructed with members 3 ft or more on center	All	168	15.6	15	4.6
Combustible obstructed or unobstructed with members less than 3 ft on center	All	130	12.1	15	4.6
Unoccupied attics having combustible wood joist or wood truss construction with members less than 3 ft on center with slopes having a pitch of 4 in 12 or greater	All	120	11.1	8-* 15 (minimum 7 psi) 10* - 12 (minimum 20 psi)	2.4* - 4.6 (minimum 0.48 bar) 3* * 3.7 (minimum 1.34 bar)

*The smaller dimension shall be measured perpendicular to the slope.

SPRINKLER NOTES (COMPLIANCE WITH BC 903 AND NFPA-13 2002 AS AMENDED BY APPENDIX Q SECTION 102)

1. THE INSTALLATION, COMPONENTS, SIZING, SPACING, CLEARANCES, POSITION AND TYPE OF SYSTEMS SHALL CONFORM TO APPENDIX Q, SECTION BC 0102 AND SECTION BC 903.
2. ONLY APPROVED MATERIALS SHALL BE USED AS PER CHAPTER 6 OF APPENDIX Q, SECTION BC 0102.
3. DIRECT CONNECTION OF SPRINKLERS TO THE PUBLIC WATER SYSTEM SHALL CONFORM TO SECTION 0102.1 SEE 15.2.1 AND 15.1.1 (d).
4. SPRINKLER SHALL BE PROTECTED AGAINST FREEZING AND INJURY AS PER APPENDIX Q BC 0102, SEC8.15.3 AND 6.2.8.
5. INSPECTION AND TESTS OF SPRINKLERS SHALL BE CONDUCTED AS SEC. 901.5 AND APPENDIX Q BC 0102, CH. 16.
6. THE OCCUPANCY OF THE AREAS TO BE SPRINKLERED IN ACCORDANCE WITH SECTION 5.2 AND A.5.2 OF APPENDIX Q SECTION BC 0102.
7. WATER SUPPLY TEST PIPES AND GAUGES SHALL BE PROVIDED PER SECTION 8.1.67.1 AND 8.16.4 OF APPENDIX Q, SECTION BC 0102.
8. PIPING, FITTINGS, SPECIFICATIONS, PIPE SCHEDULES, SYSTEM TEST PIPES, PROTECTION AGAINST CORROSION, DAMAGE, VALVES, HANGERS, SPRINKLER GUARDS AND SHIELDS SHALL BE AS PER APPENDIX Q SECTION BC 0102, CHAPTERS 6 AND 9.
9. STOCK OF EXTRA SPRINKLERS WILL BE FURNISHED AS PER SECTION 6.2.9 APPENDIX Q, SECTION BC 0102 (REQUIRED FOR EACH TEMPERATURE RATING).
10. SPRINKLER ALARM SHALL BE IN ACCORDANCE WITH SECTION 8.1.6.1 OF APPENDIX Q, SECTION BC 0102.
11. SPACING, LOCATION AND POSITION OF SPRINKLER WILL BE AS PER SECTION 9 OF APPENDIX Q, SECTION BC 0102.
12. ALL BLIND SPACES EXCEEDING 6" IN WIDTH OR DEPTH WHICH CONTAIN COMBUSTIBLE MATERIAL WILL BE SPRINKLERED.
13. ALL PIPE PASSING THROUGH WALLS WILL COMPLY WITH SECTION BC712.
14. THERE IS NO HIGH PILED STORAGE AS DEFINED IN SECTION 3-3.12 OF APPENDIX Q, SECTION BC 0102.
15. DISTANCE OF SPRINKLERS FROM HEAT SOURCE SHALL BE IN AS PER TABLES 8.3.2.5 (a) AND 8.3.2.5 (b).
16. AS PER SECTION BC903.1.2 PROVIDE DEPARTMENT OF WATER SUPPLY WITH FLOW TEST DATE IF THERE IS A DIRECT CONNECTION TO THE STREET WATER SUPPLY.
17. ALL PIPES PASSING THROUGH FOUNDATION WALLS SHALL BE PROTECTED AS PROVIDED BY SECTION 305.5 OF THE PLUMBING CODE.
18. THIS APPLICATION IS NOT FILED AS A RESULT OF ACTION BY THE FIRE COMMISSIONER AS AUTHORIZED BY BS&A TO MODIFY THE CERTIFICATE OF OCCUPANCY NOR IS SUCH ACTION PENDING.
19. ALL VALVES SHAL BE IDENTIFIED AS REQUIRED BY SECTION 6.7.4 OF APPENDIX Q SECTION BC 0102.
20. DRAINAGE SHALL CONFORM TO SECTION 8.15.2 OF APPENDIX Q SECTION BC 0102.
21. A ONE PIECE REDUCING FITTING OF GOOD DESIGN SHOULD BE USED. WHEREVER A CHANGE IS MADE IN THE SIZE OF PIPE AS PER SECTION 6.4.6 OF APPENDIX Q, SECTION BC 0102.
22. ALL VALVES ON CONNECTIONS TO WATER SUPPLIES TO SPRINKLER SHALL BE APPROVED O.S.& Y. OR APPROVED INDICATOR TYPE.
23. DRAIN VALVES AND TEST VALVES SHALL BE APPROVED TYPE AS PER APPENDIX Q, SECTION BC 0102.
24. HANGERS SHOULD BE SUPPORTED BY WROUGHT IRON U TYPE OR APPROVED ADJUSTABLE HANGERS. HANGERS SHALL BE OF THE TYPE APPROVED FOR USE WITH THE PIPE OR TUBE INVOLVED, AS PER CHAPTER 9, OF APPENDIX Q, SECTION BC 0102.
25. PROVISIONS SHOULD BE MADE TO FACILITATE FLUSHING SYSTEM PIPING B Y PROVIDING FLUSHING CONNECTIONS CONSISTING OF A CAPPED NIPPLE 4" LONG ON END OF CROSS MAIN AS PER SECTION 6.14.16 OF APPENDIX Q, SECTION BC 0102.
26. SPRINKLER SHALL BE AN APPROVED TYPE AS PER SECTION 8.3 OF APPENDIX Q, SECTION BC 0102.
27. TEMPERATURE RATING SHALL COMPLY WITH SECTION 8.3.2 OF APPENDIX Q, SECTION BC 0102.
28. 18" MINIMUM CLEARANCE TO BELOW SPRINKLER DEFLECTOR AS PER SECTION 8.5.6, OF APPENDIX Q, SECTION BC 0102.
29. SPACING AND LOCATION OF SPRINKLERS SHALL COMPLY WITH CHAPTER 8 OF APPENDIX Q, SECTION BC 0102.
30. SPRINKLER SYSTEM COMPLIES WITH NFPA 13-2002 AS MODIFIED BY APPENDIX Q, SECTION BC 0102.
31. SOURCES OF WATER SUPPLY FOR SPRINKLER SYSTEMS AS PER CHAPTER 15 OF APPENDIX Q, SECTION BC 0102.
32. PIPE SCHEDULE SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION 14.5 OF APPENDIX Q, SECTION BC 0102.
33. AUTOMATIC INTERLOCK CUTOFF SWITCH FOR VENTILATION WILL CONFORM TO CHAPTER 6 OF THE MECHANICAL CODE (APPLICABLE ONLY IF THERE IS AN AIR SYSTEM UTILIZING RECIRCULATED AIR AND REQUIRING A THERMOSTATIC DEVICE).
34. HYDRAULICALLY DESIGNED SYSTEMS WHALL BE IN ACCORDANCE WITH CHAPTER 14 OF APPENDIX Q, SECTION BDC 0102.
35. MINIMUM BRANCH PIPE SIZE TO BE ONE INCH (1").
36. THIS APPLICATION IS MADE ONLY FOR WORK INDICATED ON THE SPECIFICATION SHEET. ALL OTHER MATTERS SNHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

FIRE STANDPIPE NOTES

1. Siamese shall be 3" x 3" x 6" flush connection of free standing or approved type with separate clapper and chain as per NFPA 14 and BC 0105 4.8.2.
2. Siamese shall be located 18" to 36" above final grade and be provided metal "STANDPIPE" sign as per BC 0105 4.8.2 (g).
3. Siamese shall have approved type 3/4" automatic ball drip set in a horizontal position, BC 0105 4.8.2.
4. Hose shall be "flax-line" unlined linen hose coupled in 25 and 50 feet lengths, NFPA 14.
5. Hose valves shall be approved type 2-1/2" angle globe valve located not more than 6 feet and not less than 5 feet above floor or stair landing, NFPA 14 and BC 0105 4.7.2.
6. Hose racks shall be approved type NFPA 14.
7. Couplings and nozzles shall be approved type, NFPA 14.
8. Approved 3-way manifold will be located above roof. I f area is not heated a control valve and automatic ball drip in heated space below will be provided, BC 0105 7.3.2.2.
9. Pipe and fittings for Standpipe will be according to NFPA 14 All pipe and fittings as approved by Board of Standards and Appeals.
10. Supporte will comply with NFPA 14.
11. Teste shall comply with NFPA 14.
12. Frost protection to be provided as per BC 0105 6.1.2.3.1.
13. Riser location shall comply with BC 0105 6.2.2.
14. Install riser control valves as per NFPA 14 and BC 0105 6.2.1.
15. Combined house and fire tank if required, shall be installed at least 25'-0" above the highest hose outlet, BC 905.
16. Fire pump is required, shall be installed as per NFPA 14, BC 905.
17. Electrical equipment used in conjunction with the standpipe system shall comply with BC 905.
18. All devices used shall bear manufacturer's name and number of approval as per NFPA 14.
19. Control valves shall be indicated by signs and arrows; valves greater than 7'-0" above floor as per RS 17-1-1 (c) (3) and (7) will be made accessible by means of approved type locks, BC 905.
20. Valves shall be sealed open by means of heavy chain and approved type locks, BC 905.4.1.1.3.
21. An elevator shall be maintained at all times for Fire Department use BC 907.2.8.
22. All branch line to hose racks shall be in accordance with BC 905. 2-1/2" branch lines shall not exceed 4 feet.
23. The roof tank is filled by automatic pump at a rate of not less than 65 GPM, BC 0105 9.1.4 (4) (c).
24. Capacity of fire standpipe reserve shall be as per NFPA 14 Section 7.10.1.3.
25. Construction and supporte or roof tank shall be as per NFPA 22.
26. All piping inside roof tank including appurtenances shall be brase pipe, as per NFPA 22.
27. Emergency drain on roof tank shall be controlled by O.S.&Y. valve accessible located as per NFPA 22.
28. Emergency drain shall be installed in accordance with NFPA 22, BC 0105 9.1.4 (4) (d).
29. Roof tank shall be equipped with high and low water alarms, NFPA 22, BC 0105 9.1.4 (4) (i).
30. Pressure reducing valves shall comply with BC 0105 7.2.
31. Hose may be omitted from hose racks in occupancy group R-2 whenever a central locked hose cabinet is provided as per BC 905.3.1 Exception 1.1. The person responsible for the maintenance of the standpipe system shall maintain on the premises a key for unlocking the storage cabinet. The key shall be kept in a location where it is readily available to authorized persons, but not available to the general public. A sign shll be placed on the storage cabinet indicating the location of the key. An additional labelled key shall be kept in a locked receptacle near the storage cabinet openable by the fire department standard key. Such receptacle shall be marked "for Fire Department Use Only". A metal sign shall be placed in each stair enclosure on the main entrance floor stating clearly where the storage cabinet is located.
32. Pressure tank requirements as per NFPA 14, BC 0102 15.2.3.1 and 15.2.3.2.

CONTENTS OF FIRST FLOOR HOSE CABINET

1. 375 feet of 1-1/12" hose in maximum of 50 feet lengths.
2. Three (3) galvanized iron nozzles.
3. Two (2) 1-1/2" spanner wrenches.
4. Two (2) 2-1/2" x 1-1/2" non-swivel reducing couplings.
5. Two (2) 2-1/2" spanner wrenches per BC 905.

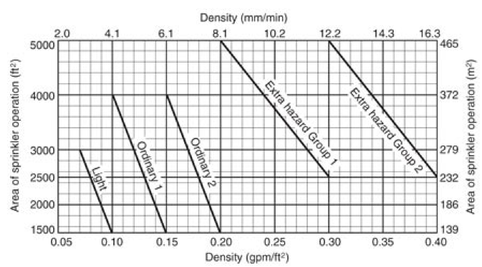


FIGURE 11.2.3.1.5 Density/Area Curves.

Density Curves As Per NFPA-13 of 2002 Edition

Hydraulic Calculation Criteria
Occupancey: Light Hazard
Density: 0.1 Gpm/sq. Ft.

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PROMESA

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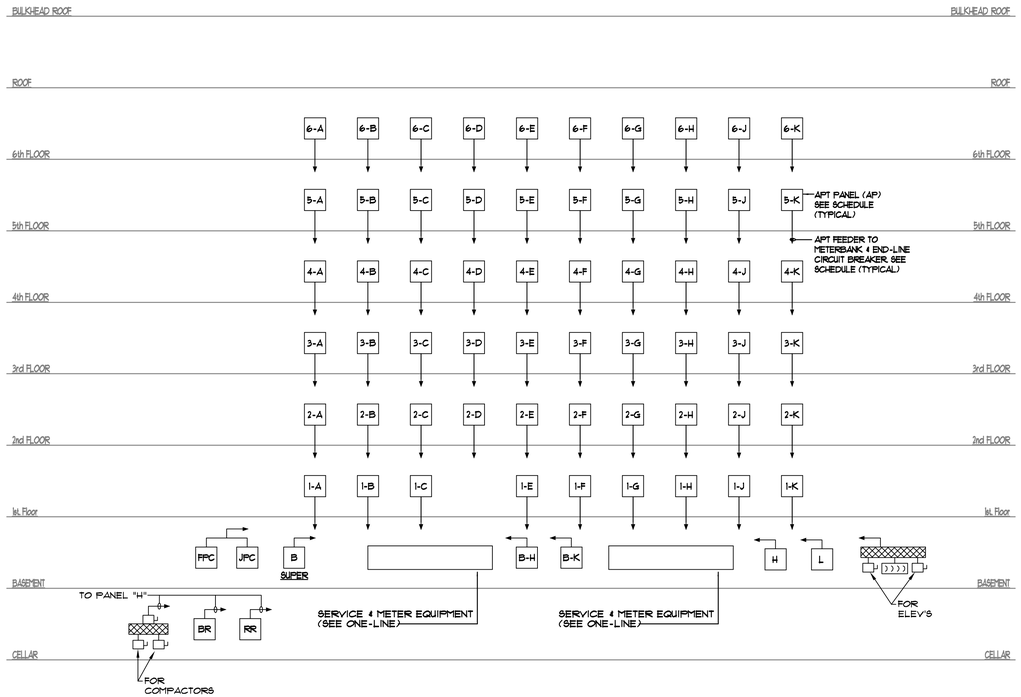
SCALE: AS NOTED

DRAWING #: SP-008.00



2 **POWER CONNECTION DIAGRAM**
NOT TO SCALE

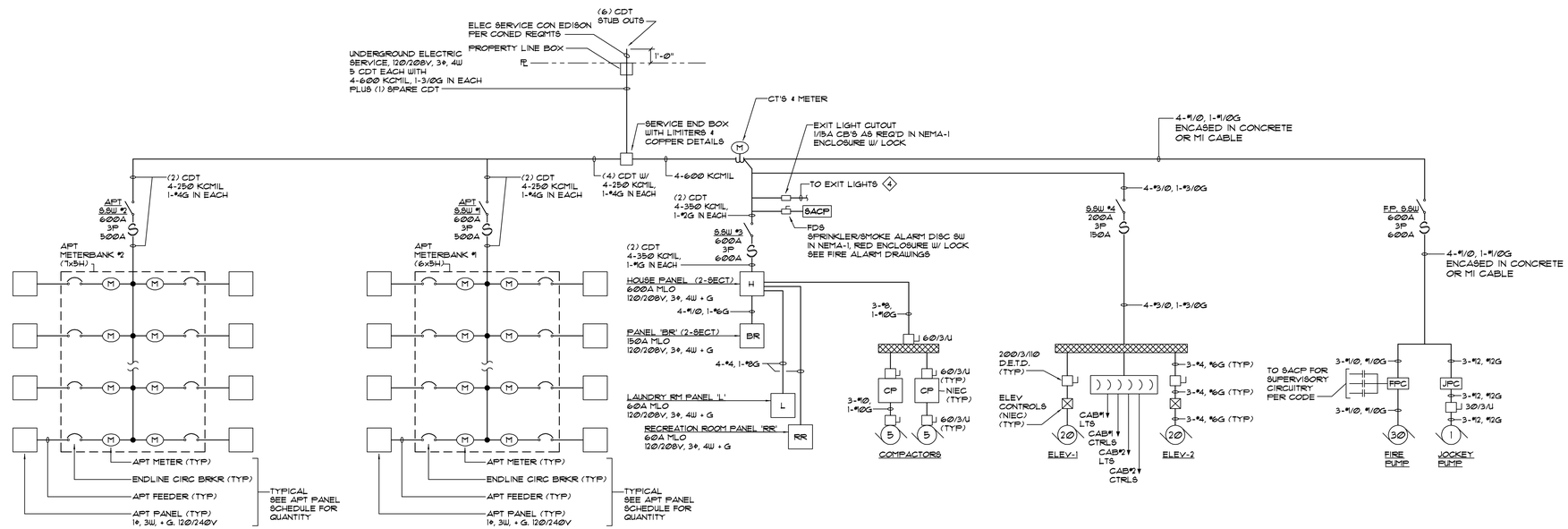
APARTMENT PANEL SCHEDULE

APT PANEL	No. OF B.R'S	AREA (SQ. FT.)	DEMAND LOAD WATTS	TOTAL LOAD AMPS	END LINE CB	FEEDER "THHN"
B SUPER	2	833	9425	45	60	3-6, 1ØG
1-6A	1	615	7171	35	45	3-8, 1ØG
1-6B	1	603	7158	34	45	3-8, 1ØG
1-6C	1	615	7171	34	45	3-8, 1ØG
2-6D	1	604	7158	34	45	3-8, 1ØG
1-6E	1	615	7171	34	45	NOTE-1
1-6F	1	603	7158	34	45	NOTE-1
1-6G	1	615	7171	34	45	NOTE-2
B-6H	1	603	7158	34	45	NOTE-3
1-6J	1	604	7158	34	45	NOTE-3
1-6K	1	612	7483	36	45	3-4, 6G

NOTES:
1. 3-8, 1ØG + 3FL, 3-6, 8G + 4-6FL
2. 3-8, 1ØG + 1-2FL, 3-6, 8G + 3-6FL
3. 3-6, 8G + B-2FL, 3-4, 6G + 3-6FL

ELECTRIC LEGEND

SYMBOL	DESCRIPTION		
A 3 1D	INCAN. COMPACT FLUOR, LED OR HID LTG FIXTURE	CAP LETTER DENOTES TYPE, LOWER CASE LETTER DENOTES SWITCH CONTROL. NUMBER IS CIRCUIT NO.	
	FLUORESCENT LIGHTING FIXTURE		
	FLUORESCENT FIXTURE W/ EMERGENCY BALLAST		
	EXIT LIGHT, LED, EMERG BATT SHADED AREA INDICATES FACE VIEWED — WITH FACES & ARROWS AS REQ'D W/ (2) (3) INTEGRAL HEADS.		
EM	EMERGENCY BATTERY UNIT WITH DUAL INTEGRAL HEADS. (3) = TRIPLE HEADS		
S	SINGLE POLE SWITCH, 15A, 120VAC, SPEC GRADE, LEVITON #5301-2	LOWER CASE LETTER DENOTES OUTLET CONTROLLED.	
S3	THREE WAY SWITCH, 15A, 120VAC, SPEC GRADE, LEVITON #5303-2		
D	DUPLEX RECEPTACLE, SPEC GRADE, NEMA 5-15R, 15A, 125VAC, LEVITON #5252, D = DOUBLE DUPLEX		
	GFI DPLX. RECEPT, SPEC GRADE, NEMA 5-15R, 15A, 125VAC, LEVITON #6599, D = DOUBLE DUPLEX		
	GFI ON APPLIANCE CIRCUIT, D = DOUBLE DUPLEX		
	DUPLEX RECEPTACLE, SPEC GRADE, NEMA 5-20R, 20A, 125VAC, LEVITON #5352, CONNECT TO DEDICATED CIRCUIT FOR A/C UNIT		
	SINGLE RECEPTACLE SPEC GRADE, NEMA 5-15R, 15A, 125VAC, LEVITON #5015, R = RANGE IGNITION, F = NEMA 5-20R CONNECTED TO APPLIANCE CIRCUIT FOR REFRIGERATOR, V = FOR HRV UNIT		
	COMBINATION SWITCH AND RECEPTACLE		
	DUPLEX RECEPT, SPEC GRADE NEMA 5-20R, 20A, 125VAC, LEVITON #6599, CONNECT TO APPLIANCE CIRCUIT, D=DOUBLE DUPLEX		
	DUPLEX RECEPTACLE, SPEC GRADE, NEMA 5-15R, 125VAC, 1/2 SWITCHED		
D	DOUBLE DUPLEX RECEPTACLE IN COMMON OUTLET BOX, NEMA 5-20R DEDICATED FOR A/C UNIT & NEMA 5-15R CONVENIENCE RECEPTACLE		
	BOLT-ON C.B. PANELBOARD, RECESSED		
	BOLT-ON C.B. PANELBOARD, SURFACE AP = APT PLUG-IN CB LOAD CENTER, RECESSED		
ST	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD ELEMENT, NEMA 4 ENCLOSURE FOR OUTDOOR EQUIPMENT		
J	DISCONNECT SWITCH, GEN DUTY, RATING AND POLES AS SHOWN OR REQUIRED, FUSED AS REQUIRED, NEMA 4 ENCLOSURE FOR OUTDOOR INSTALLATION		
J	MAGNETIC STARTER OR CONTACTOR, RATING/POLES AS SHOWN OR REQUIRED		
1	MOTOR, NUMERAL INDICATES HORSEPOWER		
H J	JUNCTION BOX FOR RANGE HOOD		
F	SINGLE SPEC GRADE RECEPTACLE FOR REFRIGERATOR		
S H C	SMOKE / HEAT / CO DETECTOR		
SC	COMBINATION CO & SMOKE SINGLE/MULTIPLE STATION DETECTOR HARD WIRED WITH INTEGRAL SOUNDER		
	APARTMENT INTERCOM STATION		
	DUAL TELEPHONE OUTLET IN SINGLE GANG BOX. W = WALL MOUNTED		
T	TRANSFORMER		
ZCV Ø	ZONE CONTROL VALVE, SEE MECH DWGS		
FB	PULLBOX FOR TELE/CATV SYSTEMS		
TV	OUTLET - CATV		
	MASTER INTERCOM PANEL		
M	OCCUPANCY SENSOR (MXI) = OCCUPANCY SENSOR/SWITCH		
E.C.	ELECTRICAL SUB-CONTRACTOR	T/F	TRANSFORMER
N.I.E.C.	NOT IN ELECTRICAL WORK	ACT	ACTIVE
V.I.F.	VERIFY IN FIELD	SP	SPARE
PB	PULLBOX	OC	OVER COUNTER
	ITEM OF WORK NOTE REFERENCE	SN	SOLID NEUTRAL
CB	CIRCUIT BREAKER	UON	UNLESS OTHERWISE NOTED
		G	GROUND



METERBANK #2
APTS: F, G, H, J, K

METERBANK #1
APTS: A, B, C, D, E, SUPT

1 **ONE-LINE DIAGRAM**
NOT TO SCALE

NOTES:
1. PROVIDE CU FEEDERS & BRANCH CIRCUITRY IN CONDUIT PER NEC, NYC AMENDMENTS
2. PROVIDE SERVICE SWITCH OF "FULLY RATED", HEAVY DUTY TYPE

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PROMESA

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PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:
LEGEND, DIAGRAMS AND SCHEDULES

ARCHITECT:
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DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: NONE

DRAWING #:
E-100.00

PAGE #:
1 OF 12

ITEM OF WORK NOTES

1. SEE MECHANICAL EQUIPMENT SCHEDULE, SEE DWG E-201.00
2. WITH MOTION SENSOR FOR "ON-OFF" OPERATION.
3. CONNECT TO PHOTOCELL AND TO TIME CLOCK/RELAY IN ELEC RM FOR EXTERIOR LIGHTS. SEE DETAIL
4. CONNECT EXIT LIGHTS TOGETHER AND TO EXIT LIGHT PANEL WITH 2-#8, #6G THHN. PROVIDE (2) EXIT LIGHT CIRCUITS PER FLOOR, TOTAL 10 ACTIVE, 2-SPARE.
5. FOR PUBLIC HALL, ELEV LOBBY & LOBBY LIGHTING & RECEPTACLE CIRCUITRY SEE PUBLIC HALL LIGHTING & RECEPTACLE CONNECTION DIAGRAM DWG. E-204.00
6. LT & GFI LOCATED IN PIT, SWITCH LOCATED 3'-6" ABOVE CELLAR FLOOR AT LADDER
7. FOR SUBMERSIBLE SUMP PUMP IN PIT
8. FOR COMPACTOR, LOCATE IN CLOSE PROXIMITY TO CONTROL PANEL. SEE PANEL "H" SCHEDULE
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11. FOR FIRE ALARM SYSTEM REQUIREMENTS SEE FIRE ALARM DRAWINGS.
12. CONNECT TO S^{P}_{T} & TIME CLOCK & RELAY IN BOILER RM. SEE DETAIL
13. CONNECT TO S^{P}_{T} & TIMECLOCK FOR GEF-1 AT TRASH RM IN BASEMENT
14. FOR ELEVATOR, SEE ONE-LINE DIAGRAM
15. S^{P}_{T}, T/C & RELAY FOR BEF & KEF ROOF FANS. SEE DETAIL
16. S^{P}_{T} T/C FOR GEF-1, ROOF FAN.
17. SEE MECH FLOOR PLANS FOR EXACT TYPE DESIGNATION
18. CIRCUIT No. FOR DEDICATED A/C UNIT ONLY. PROVIDE SECOND CIRCUIT FOR CONVENIENCE RECEPT.
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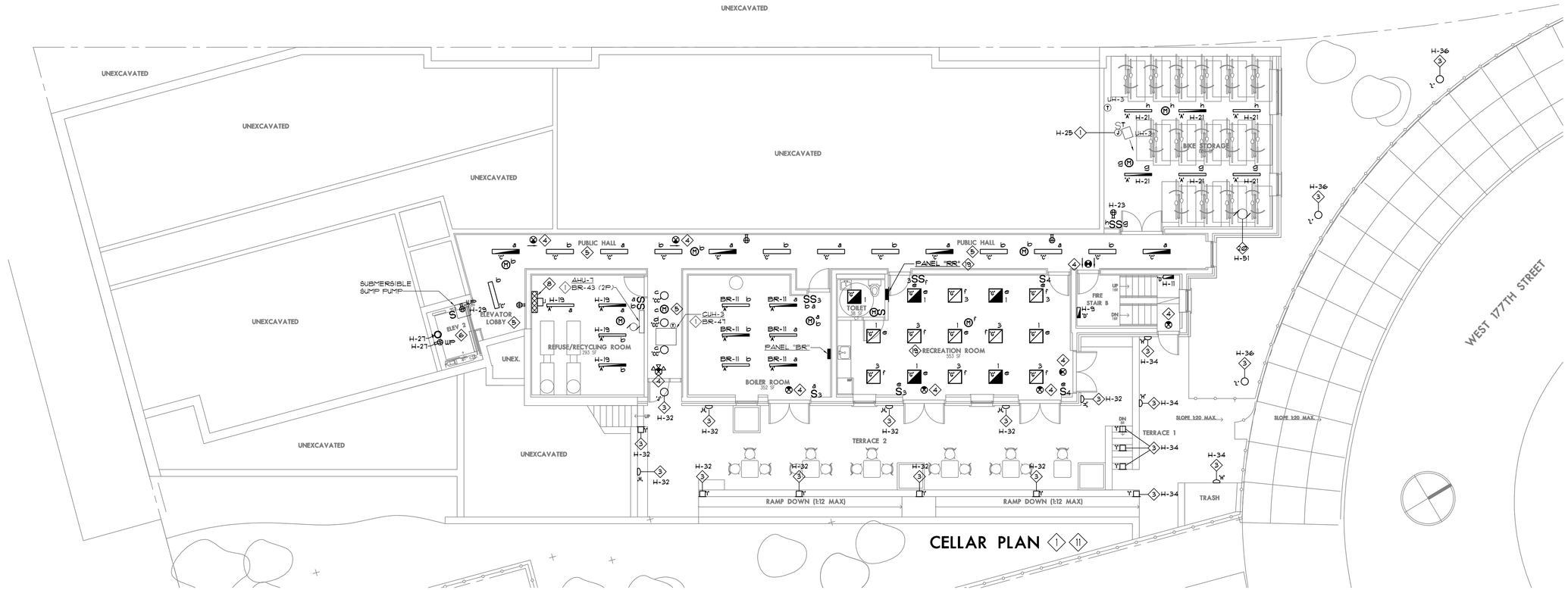
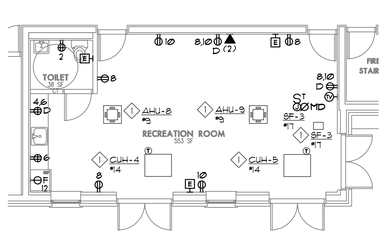
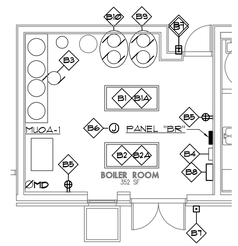


CELLAR PLAN (1) (11)



PART PLAN - RECREATION RM



PART PLAN - BOILER RM

BOILER ROOM NOTES

- B1 FOR BOILER #1, CONNECT TO CONTROL PANEL AS REQUIRED, BR-#1.
- B1A FOR BOILER #1 PUMP, BR-#3.
- B2 FOR BOILER #2, CONNECT TO CONTROL PANEL AS REQUIRED, BR-#5.
- B2A FOR BOILER #2 PUMP, BR-#7.
- B3 H.W. RECIRC. PUMP, BR-#9.
- B4 BOILER CONTROL PANEL, BR-#2, PUMP SEQUENCER PANEL, BR-#4.
- B5 4'-6" AFF, BR-#6.
- B6 ELECTRONIC VALVE, BR-#8
- B7 EMERGENCY DISCONNECT, CONNECT INTO BOILER CONTROLS, AS REQUIRED, FOR EMERGENCY SHUTDOWN.
- B8 TIME CLOCK AND RELAY FOR ROOF FANS, BR-#10
- B9 H.W. HEATING PUMPS P1- & P-2 (1-STANDBY) SEE DETAIL, BR-#25 (3P), BR-31 (3P)
- B10 TUREOMAX PUMPS, P-3 & P-4 (1-STANDBY) BR-37 & BR-39

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NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:
CELLAR PLAN

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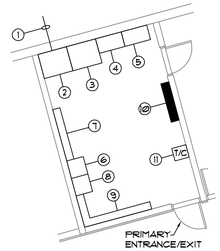
DRAWN BY: jc/aj
SCALE: 1/8" = 1'-0"

DRAWING #:
E-101.00



PART PLAN - ELECTRIC METER RM

ELECTRIC SERVICE LEGEND

1. ELECTRIC UNDERGROUND SERVICE
2. SERVICE END BOX
3. SERVICE SWITCH #1
4. C.T. CABINET, HOUSE METER, FDS & EXIT LIGHT CUTOUT
5. SERVICE SWITCHES #2 & #3
6. APT SWITCH 'A'
7. METERBANK #1
8. APT SWITCH 'B'
9. METERBANK #2
10. HOUSE PANEL 'H'
11. TIMECLOCK

ITEM OF WORK NOTES

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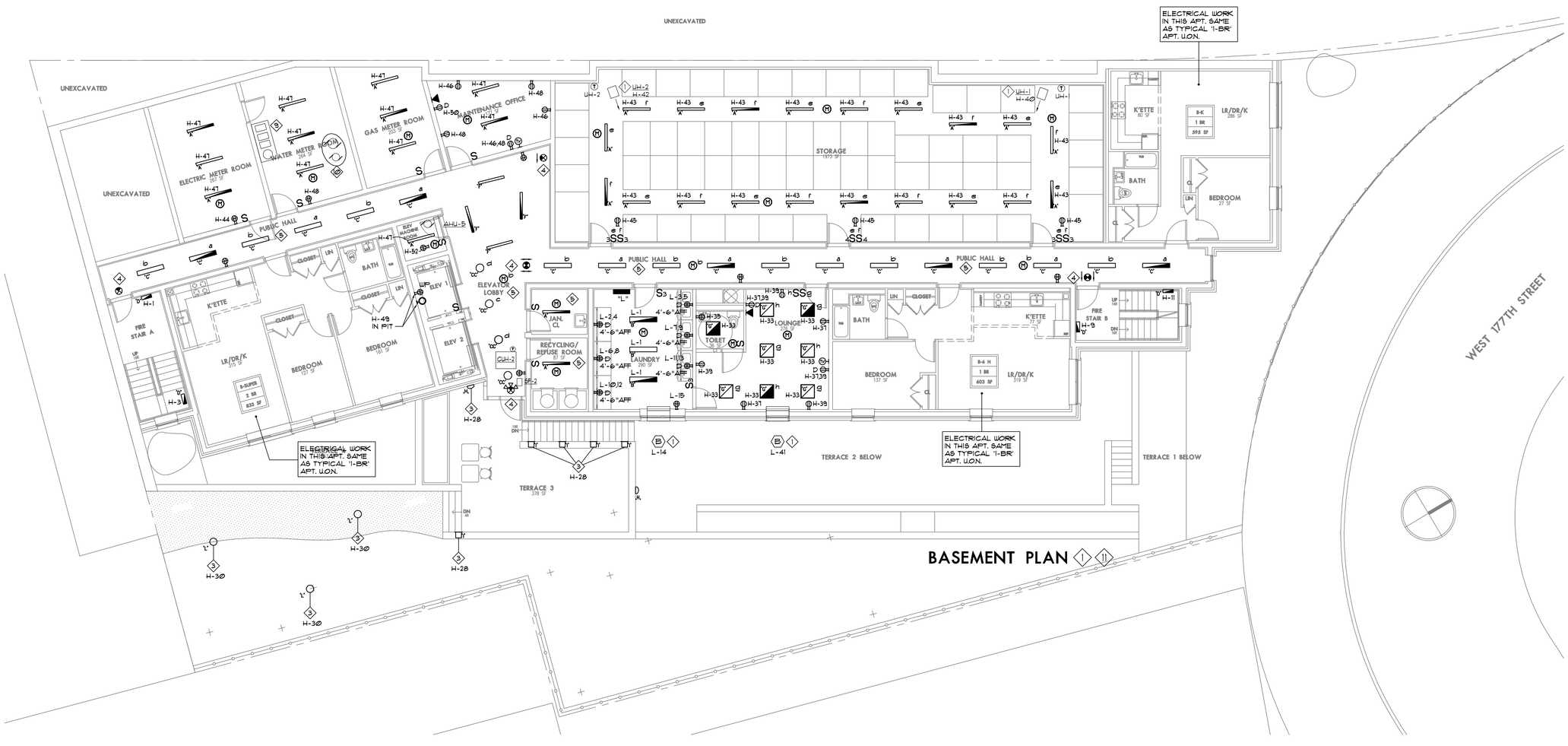

BASEMENT PLAN (1) (11)

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BRONX, NY 10458

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4	CONTRACT SET	6/18/2013

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BASEMENT PLAN

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DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: 1/8" = 1'-0"

DRAWING #:
E-102.00

ITEM OF WORK NOTES

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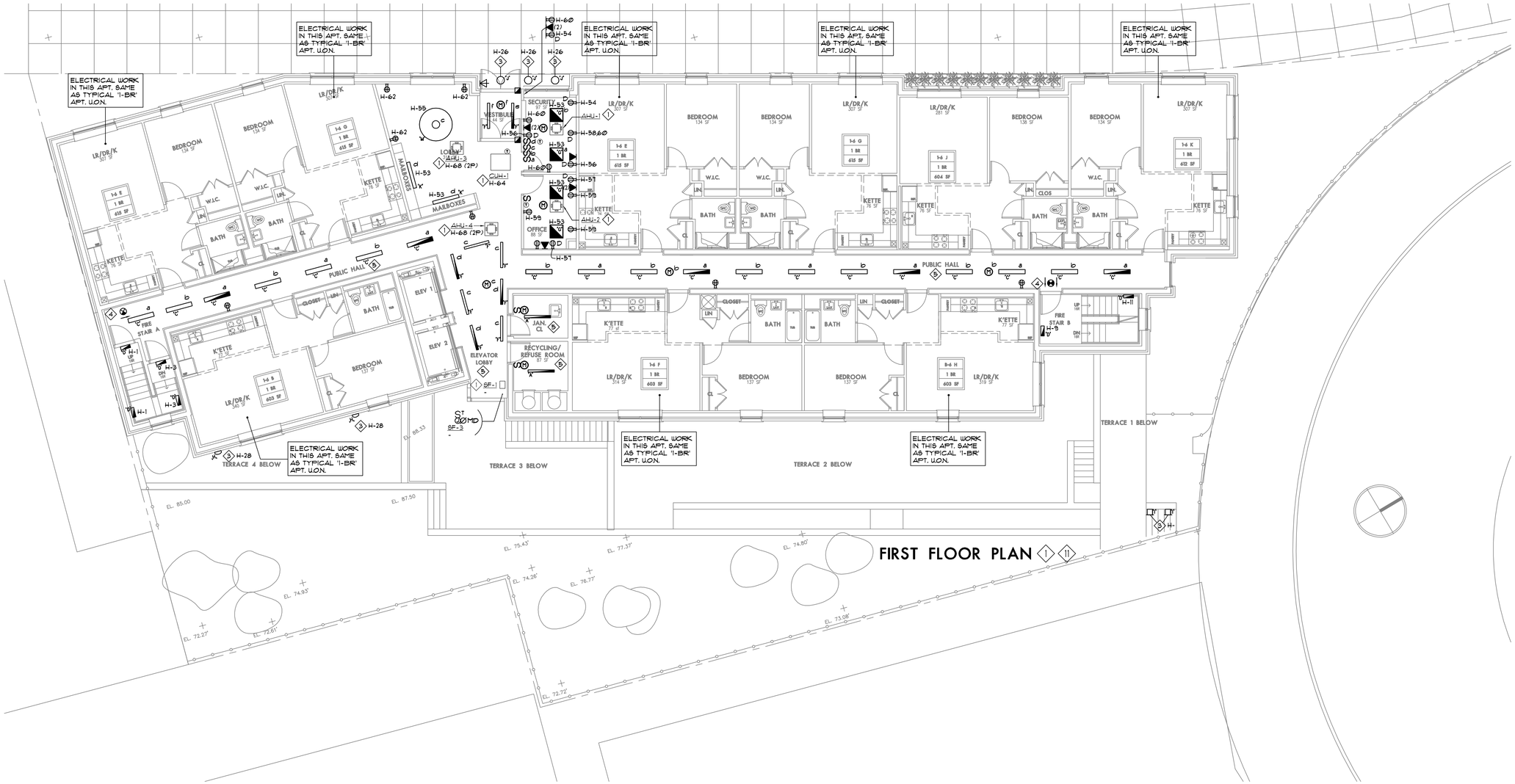

FIRST FLOOR PLAN 1 11

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NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:
FIRST FLOOR PLAN

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DATE: 03/12/2012
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DRAWN BY: jc/aj
SCALE: 1/8" = 1'-0"

DRAWING #:
E-103.00

ITEM OF WORK NOTES

1. SEE MECHANICAL EQUIPMENT SCHEDULE, SEE DWG E-201.00
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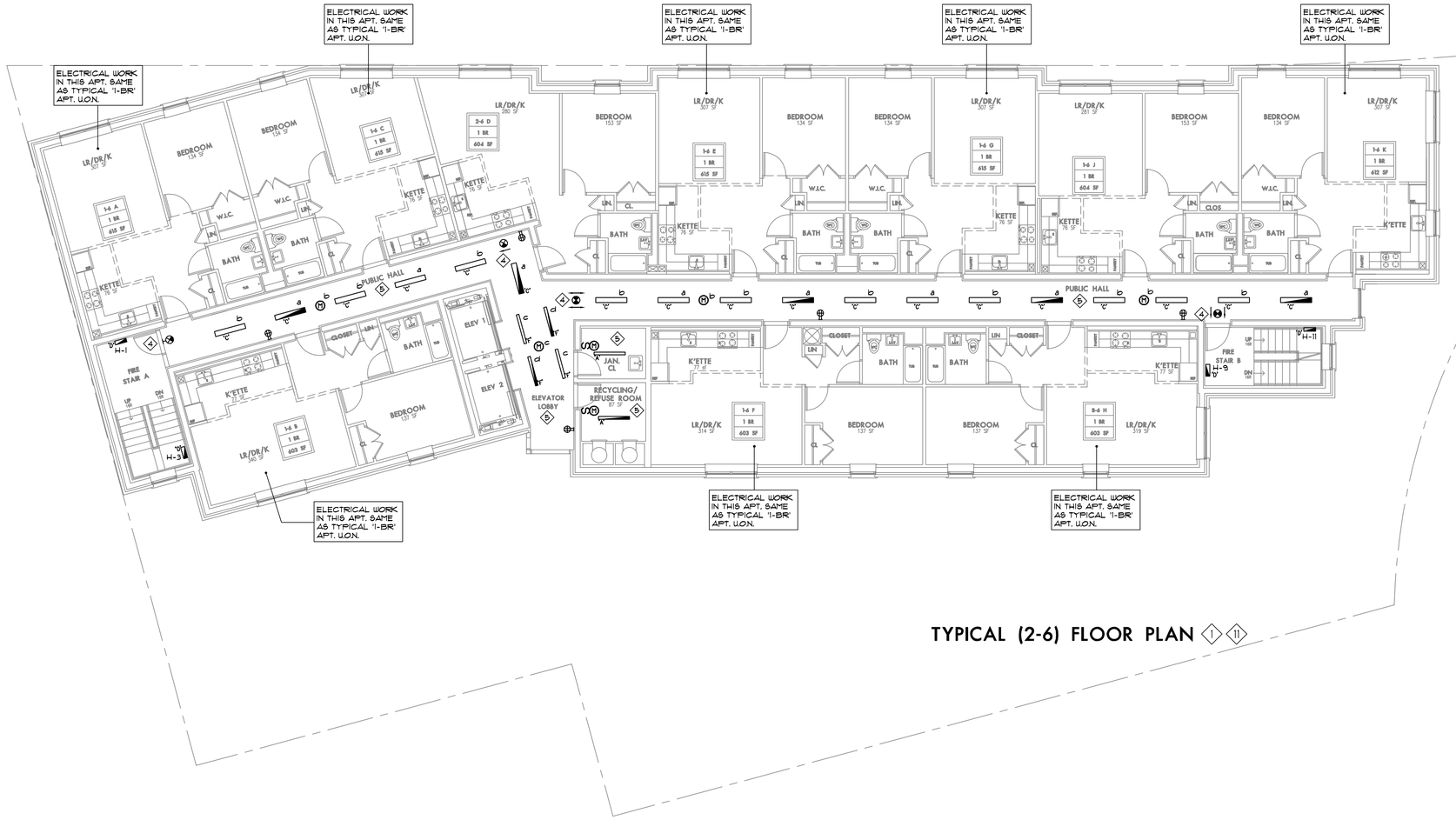

TYPICAL (2-6) FLOOR PLAN ◇1 ◇11

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DRAWING TITLE:
TYPICAL FLOOR PLAN (2-6)

ARCHITECT:
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SCALE: 1/8" = 1'-0"

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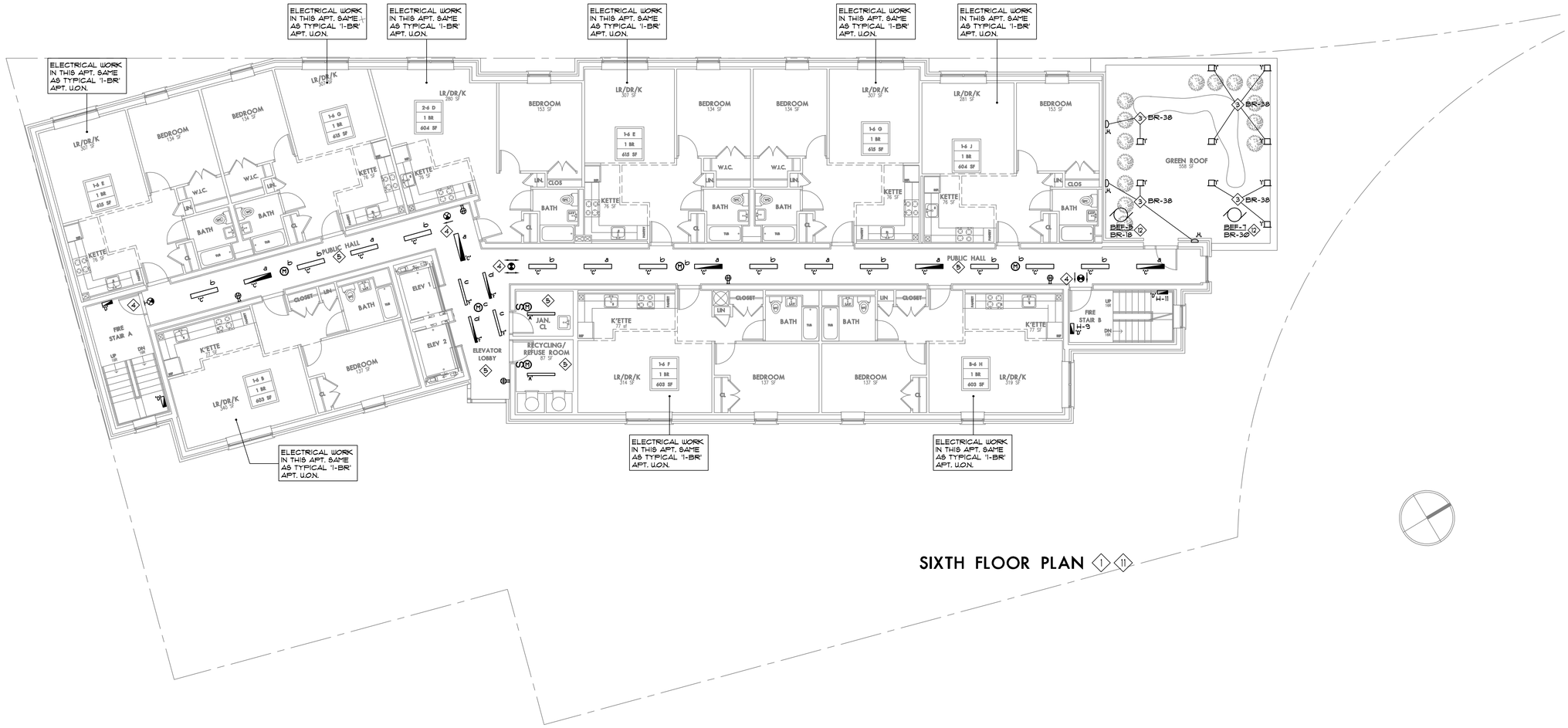
E-104.00

ITEM OF WORK NOTES

1. SEE MECHANICAL EQUIPMENT SCHEDULE, SEE DWG E-201.00
2. WITH MOTION SENSOR FOR "ON-OFF" OPERATION.
3. CONNECT TO PHOTOCELL AND TO TIME CLOCK/RELAY IN ELEC RM FOR EXTERIOR LIGHTS. SEE DETAIL
4. CONNECT EXIT LIGHTS TOGETHER AND TO EXIT LIGHT PANEL WITH 2-#8, #6G THWN. PROVIDE (2) EXIT LIGHT CIRCUITS PER FLOOR, TOTAL 10 ACTIVE, 2-SPARE.
5. FOR PUBLIC HALL, ELEV LOBBY & LOBBY LIGHTING & RECEPTACLE CIRCUITRY SEE PUBLIC HALL LIGHTING & RECEPTACLE CONNECTION DIAGRAM DWG. E-204.00
6. LT & GFI LOCATED IN PIT, SWITCH LOCATED 3'-6" ABOVE CELLAR FLOOR AT LADDER
7. FOR SUBMERSIBLE SUMP PUMP IN PIT
8. FOR COMPACTOR, LOCATE IN CLOSE PROXIMITY TO CONTROL PANEL. SEE PANEL "H" SCHEDULE
9. TRIPLEX DOMESTIC WATER BOOSTER PUMPS. SEE DETAIL
10. FOR AUTO FIRE PUMP & JOCKEY PUMP. SEE ONE-LINE DIAGRAM
11. FOR FIRE ALARM SYSTEM REQUIREMENTS SEE FIRE ALARM DRAWINGS.
12. CONNECT TO S^P_T & TIME CLOCK & RELAY IN BOILER RM. SEE DETAIL
13. CONNECT TO S^P_T & TIMECLOCK FOR GEF-1 AT TRASH RM IN BASEMENT
14. FOR ELEVATOR, SEE ONE-LINE DIAGRAM
15. S^P_T T/C & RELAY FOR BEF & KEF ROOF FANS. SEE DETAIL
16. S^P_T T/C FOR GEF-1, ROOF FAN.
17. SEE MECH FLOOR PLANS FOR EXACT TYPE DESIGNATION
18. CIRCUIT No. FOR DEDICATED A/C UNIT ONLY. PROVIDE SECOND CIRCUIT FOR CONVENIENCE RECEPT.
19. CONNECT CIRCUITS IN RECREATION ROOM TO PANEL "RR" U.O.N.
20. FOR SUBMERSIBLE SUMP PUMP IN SPRINKLER CHECK VALVE PIT, CELLAR
21. IN WEATHERPROOF ENCLOSURE COVER "WHILE IN USE" WITH LOCK.



SIXTH FLOOR PLAN 1 11

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET \ NEW YORK, NY 10001
TEL: 212.643.1500 \ FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST \ NEW YORK, NY 10001
TEL: 212.736.2584 \ FAX: 212.736.2520

NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:
SIXTH FLOOR PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t212 675 6470 f212 675 6728

DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: 1/8" = 1'-0"

DRAWING #:
E-105.00

ITEM OF WORK NOTES

1. SEE MECHANICAL EQUIPMENT SCHEDULE, SEE DWG E-201.00
2. WITH MOTION SENSOR FOR "ON-OFF" OPERATION.
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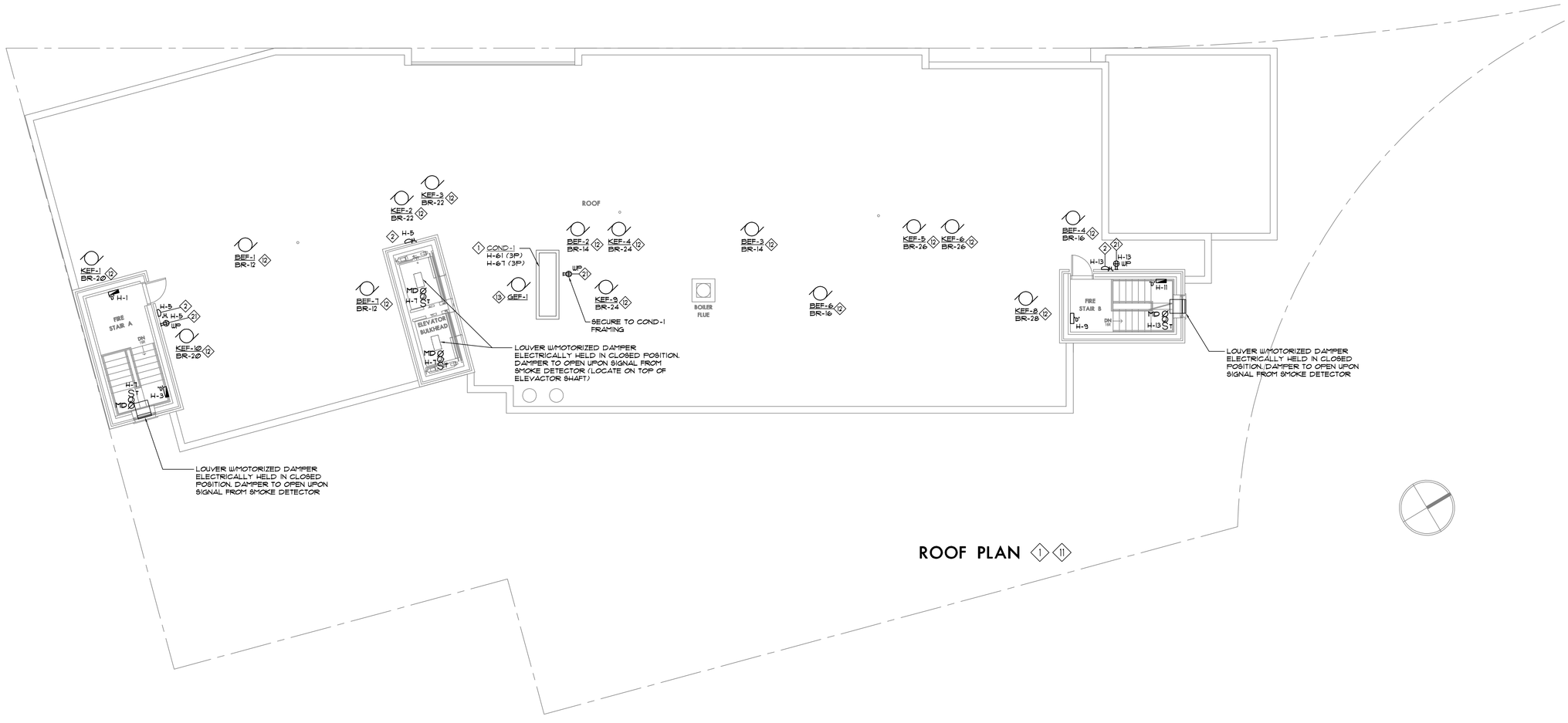

ROOF PLAN 1 11

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92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
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NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:
ROOF PLAN

ARCHITECT:
OCV
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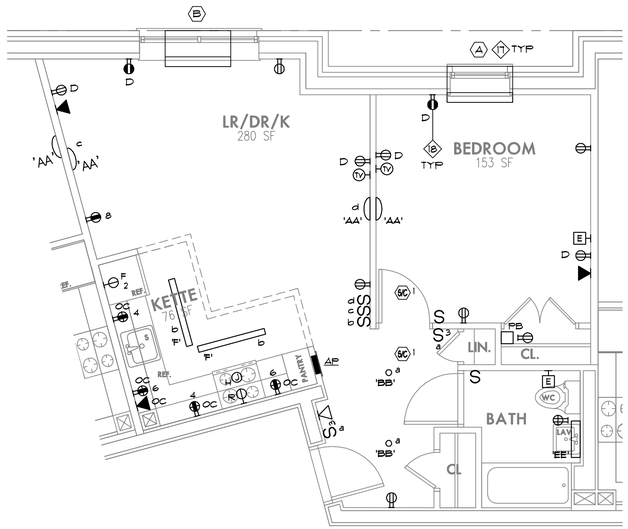
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
t 212 675 6470 f 212 675 6728

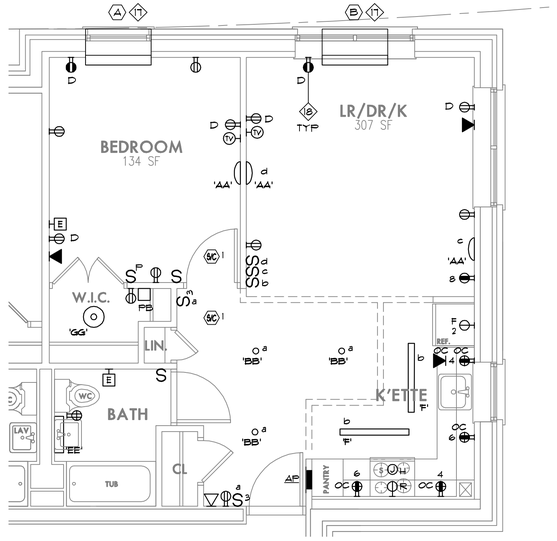
DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: 1/8" = 1'-0"

DRAWING #:
E-106.00



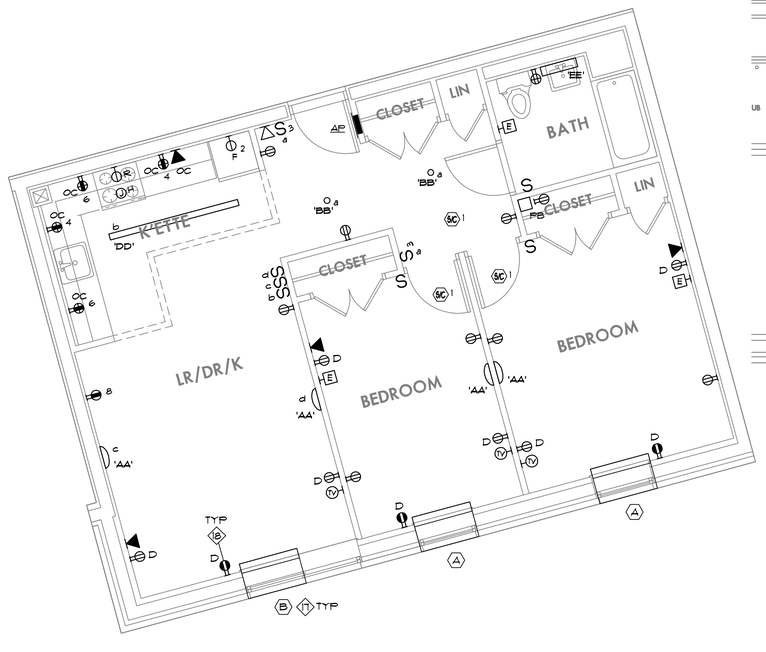
3 TYPICAL 1 BEDROOM (APT-D)

SCALE: 1/4" = 1'-0"



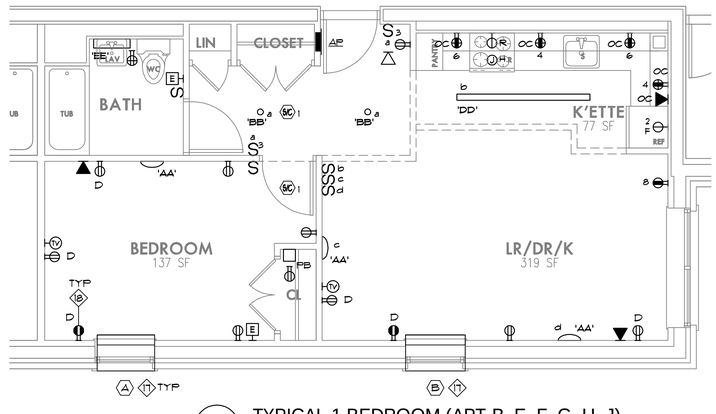
2 TYPICAL 1 BEDROOM (APT-K, A, C)

SCALE: 1/4" = 1'-0"



4 SUPER'S 2 BEDROOM APT

SCALE: 1/4" = 1'-0"



1 TYPICAL 1 BEDROOM (APT-B, E, F, G, H, J)

SCALE: 1/4" = 1'-0"

ITEM OF WORK NOTES

1. SEE MECHANICAL EQUIPMENT SCHEDULE, SEE DWG E-201.00
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12. CONNECT TO S^P_T & TIME CLOCK & RELAY IN BOILER RM. SEE DETAIL
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15. S^P_T T/C & RELAY FOR BEF & KEF ROOF FANS. SEE DETAIL
16. S^P_T T/C FOR GEF-1, ROOF FAN.
17. SEE MECH FLOOR PLANS FOR EXACT TYPE DESIGNATION
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PANEL APT (TYPICAL 1-BR APT) TYPE RECESSED MAINS CU.
M.L.O. VOLTAGE 120/208V, 1Ø, 3W + G
FEEDER SEE APT PANEL SCHED

CIRCUIT	L.O. SWG	T-R-T	ASSIGNMENT	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	PHASE	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	ASSIGNMENT	T-R-T	L.O. SWG	CIRCUIT
1	1	15	SMOKE/CO DETECTORS	2-#12, #12G	A	2-#12, #12G	REFRIG	20	1	2
3		20	GFI BATH ROOM		B		SMALL APPL CIRCUIT			4
5		20	LIGHTING		A		SMALL APPL CIRCUIT			6
7		15	A/C BED ROOM		B		SMALL APPL CIRCUIT			8
9		20	RECEPT @ PB		A	↓	A/C LR/DR/K			10
11			CONV. RECEPT'S		B		SPARE			12
13			CONV. RECEPT'S		A		SPARE			14
15	↓	↓	CONV. RECEPT'S	↓	B		SPARE	↓	↓	16

REMARKS: CU. GROUND BUS LOAD SEE APT PANEL SCHED KW

PANEL SUPER'S 2-BR APT TYPE RECESSED MAINS CU.
M.L.O. VOLTAGE 120/208V, 1Ø, 3W + G
FEEDER SEE APT PANEL SCHED

CIRCUIT	L.O. SWG	T-R-T	ASSIGNMENT	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	PHASE	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	ASSIGNMENT	T-R-T	L.O. SWG	CIRCUIT
1		15	SMOKE/CO DETECTORS	2-#12, #12G	A	2-#12, #12G	REFRIG	20	1	2
3		20	GFI BATH ROOM		B		SMALL APPL CIRCUIT			4
5		20	LIGHTING		A		SMALL APPL CIRCUIT			6
7		15	A/C BED ROOM		B		SMALL APPL CIRCUIT			8
9		15	A/C BED ROOM		A		A/C LR/DR/K			10
11		20	RECEPT @ PB	↓	B		CONV. RECEPT'S			12
13			SPARE		A	↓	CONV. RECEPT'S			14
15	↓	↓	SPARE		B		SPARE	↓	↓	16

REMARKS: CU. GROUND BUS LOAD SEE APT PANEL SCHED KW

AT EACH APARTMENT:
PROVIDE CIRCUITRY WITHIN EACH APT. UNIT AS FOLLOWS:
- DEDICATED 20A/1P CIRCUIT GFI IN EACH BATHROOM.
- AFCI PROTECTED CIRCUITS TO APARTMENT RECEPTACLES W/ DEDICATED NEUTRAL FOR EACH CIRCUIT. DO NOT CONNECT LIGHTS TO RECEPTACLE CIRCUIT.
- MINIMUM (2) 20A/1P CIRCUITS FOR LIVING ROOM
- MAXIMUM (6) CONVENIENCE RECEPTACLES ON 20A/1P CIRCUITS.
- DEDICATED 15A/1P CIRCUIT FOR HARD WIRED SMOKE/CARBON MONOXIDE DETECTORS.
- PROVIDE TAMPER RESISTANT RECEPTACLES THROUGHOUT APARTMENT.
- SEE TYPICAL APARTMENT LAYOUT.

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NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:
TYPICAL APT LAYOUT

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: AS NOTED
DRAWING #: E-107.00

MECHANICAL EQUIPMENT SCHEDULE

DESCRIPTION	LOCATION	VOLTS	PHASE	HP/FLA W/KW	PANEL	BRANCH CIRCUIT WIRING HWG THHN CU	DISC. SWITCH	REMARKS
BEF-1	ROOF	120	1	Ø8 HP	BR	2-#10, #10G	ST[P]	W/ INTEGRAL ST
-2				Ø6				
-3				Ø8				
-4				Ø7				
-5				Ø7				
-6				Ø11				
-7				Ø8				
KEF-1				Ø7				
-2				Ø7				
-3				Ø6				
-4				Ø7				
-5				Ø7				
-6				Ø7				
-7				Ø7				
-8				Ø9				
-9				Ø7				
-10				Ø9				
GEF-1				.11				
SF-1	1ST FL			36W				
SF-2	BASEMENT				BR			
SF-3	CELLAR				RR			
PTAC-A	APT/UON	120		5.5a	AP UON	2-#12, #12G	NEMA-5-15R	
-B		120		7.1a			NEMA-5-15R	
-C		208		5.5a			NEMA-6-15R	
-D				6.5a				
-F				7.7				
BOILER-1	BOILER RM	120	1		BR		ST	
BOILER-1 CIRC PUMP		120	1					
BOILER-2		120	1					
BOILER-2 CIRC PUMP		120	1	1/2 HP				
HW HTG PUMP P-1		208	3	5 HP		3-#10, #10G	60/3/U	SEE DETAIL
HW HTG PUMP P-2 (S/B)		208	3	5 HP (S/B)		3-#10, #10G	60/3/U	
TURBO ZONE PUMP P-3		120	1	Ø.4 HP		2-#12, #12G	ST	
TURBO ZONE PUMP P-4 (S/B)				Ø4 HP (S/B)		2-#12, #12G		
CAB HTR - CUH-1				Ø5 HP	H	2-#12, #12G		
-2				Ø4				
-3				Ø4				
-4	REC RM			Ø5	RR			
-5	REC RM			Ø5	RR			
BOILER CONTROL PANEL	BOILER RM				BR			
SEQ CONTROL PANE-2 & 3						2-#12, #12G EACH	STEACH	
SPRKLR SUBM SUMP PUMP	BIKE STOR CELLAR			1/2 HP	H	2-#12, #12G	ST	
UNIT HEATER UH-1	STORAGE BSMT			1/8 HP				
UH-2	STORAGE BSMT			1/8 HP				
UH-3	BIKE STOR CELLAR			1/8 HP				
SUBM SUMP PUMP	ELEV PIT	120		1/2 HP	H	2-#12, #12G	NEMA-5-15R	
CIRC PUMP	BOILER RM			1/3 HP	BR	2-#12, #12G	ST	
ELECTRONIC MIXING VALVE							ST	
TRPLX BOOSTER UNIT	CELLAR	208	3	2@5HP 1@1 1/2HP	H	3-#10, #10G EA 3-#12, #12G	(2) 60/3/U (1) 30/3/U	
HW RECIRC PUMP	BOILER RM	120	1	1/3 HP	BR	2-#12, #12G	ST	100/3/U @ UNIT
ELEVATOR-1		208	3	20 HP	SEE ONE-LINE DIAGRAM			
ELEVATOR-2		208	3	20 HP	SEE ONE-LINE DIAGRAM			
MUOA-1	BOILER RM	208	1		BR	2-#12, #12G	30/2/U	
COND-1	ROOF	208	3	142 RLA 43.0 RLA	H H	3-#10, #10G 3-#8, #8G	60/3/U/WP 100/3/U/WP	SEE AC WIRING DIAG
AHU-1	SECURITY	208	1		H	2-#12, #12G	SF	
-2	OFFICE							
-3	LOBBY							
-4	LOBBY							
-5	EMR							
-6	MAIN OFF							
-7	RECYCL RM							
-8	REC RM				RR			
-9	REC RM				RR			
FIRE PUMP	W. METER RM	208	3	30 HP	SEE ONE-LINE DIAGRAM			
JOCKEY PUMP	W. METER RM	208	3	1 HP	SEE ONE-LINE DIAGRAM			
COMPACTOR-1	CELLAR	208	3	5 HP	SEE ONE-LINE DIAGRAM			
COMPACTOR-2	CELLAR	208	3	5 HP	SEE ONE-LINE DIAGRAM			

PANEL H (3-SECT) TYPE SURFACE MAINS CU. 600 AMPERES
VOLTAGE 120/208V, 3Ø, 4W + G
M.L.O. 600A FEEDER SEE ONE-LINE DIAGRAM

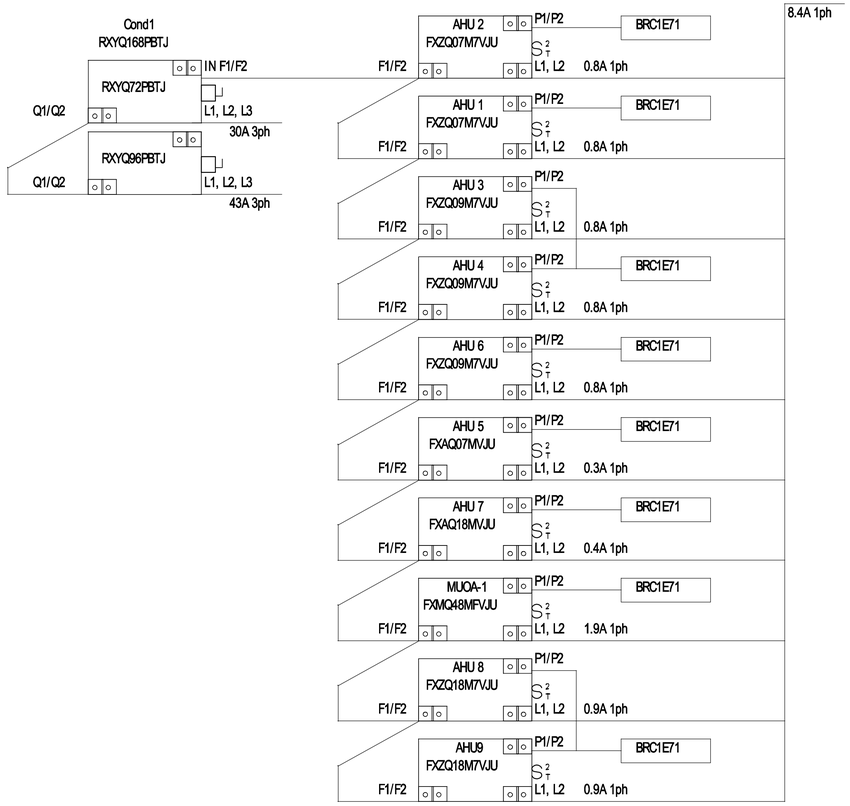
CIRCUIT	POLES	TRIP	ASSIGNMENT	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	PHASE	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	ASSIGNMENT	TRIP	POLES	CIRCUIT
1	1	20	LTS - STAIR-A	2-#10, #10G	A	2-#12, #12G	TELE	20	1	2
3			LTS - STAIR-A		B		APT IC			4
5			LTS - GFI @ ROOF		C		CATV			6
7			MD @ STAIR 4 ELEV BLKHD		A		SPARE			8
9			LTS - STAIR-B	2-#8, #8G	B					10
11			LTS - STAIR-B		C					12
13			LT - GFI - MD STAIR-B		A		CCTV			14
15			SPARE		B					16
17			SPARE		C					18
19			LTS - REFUSE/RECYC - CELLAR	2-#10, #10G	A					20
21			LTS - BIKE STOR		B		SPARE			22
23			GFI - BIKE STOR		C	2-#12, #12G	T/C & RELAY - EXTER LTS	15		24
25			UH-3 - BIKE STOR		A	2-#10, #10G	LTS - FRONT ENTRANCE	20		26
27			ELEV PIT LT / GFI	2-#12, #12G	B	2-#8, #8G	LTS - TERRACE 3 & 4			28
29			SUBM SUMP PUMP	2-#12, #12G	C		LTS - SIDE YARD			30
31			EM CALL POWER SUPPLY		A		LTS - TERRACE 2			32
33			LTS - LOUNGE-BSMT		B		LTS - TERRACE 1			34
35			GFI - LOUNGE TOIL - BSMT		C		LTS - TERRACE-1 NORTH			36
37			RECEPT - LOUNGE-BSMT		A		LTS - GREEN ROOF			38
39			RECEPT - LOUNGE-BSMT		B	2-#12, #12G	UH-1	15		40
41			PTAC-B		C	2-#12, #12G	UH-2	15		42
43			LTS - STOR-BSMT		A		RECEPT - ELECT	20		44
45			RECEPTS - STOR-BSMT		B		- MAINT			46
47			LTS - BSMT		C					48
49			LT - GFI - ELEV PIT		A					50
51			SUBM SUMP PUMP SPKL		B		GFI - ELEV MACH RM			52
53			LTS - 1ST FL		C		RECEPT - 1ST FL			54
55			LTS - LOBBY		A					56
57			RECEPTS - 1ST FL		B					58
59			RECEPTS - 1ST FL		C					60
61					A		RECEPT - LOBBY			62
63	3	35	COND - 1	◇1	B	◇1	CUH-1 - 1ST FL			64
65					C		SPARE			66
67					A	◇1	AHU-3, AHU-4	40	2	68
69	3	50	COND - 1	◇1	B					70
71					C		SPARE			72
73					A					74
75	3		PANEL "RR"	*	B	*	COMPACTORS (2)	60	3	76
77					C					78
79					A					80
81	3		PANEL "BR"	*	B	*	PANEL "L"		3	82
83					C					84
85	1	20	LTS - ELEV LOBBY	2-#8, #8G	A	2-#8, #8G	LTS - RECY/REF			86
87			LTS - ELEV LOBBY		B		LTS - JAN CL B-6FL			88
89			LTS - PUBLIC HALL C-6		C		LTS - PUBLIC HALL C-6			90
91					A					92
93					B					94
95					C					96
97					A		RECEPT - PUBLIC HALL			98
99			RECEPT - PUBLIC HALL		B					100
101					C					102
103			SPARE		A					104
105					B		SPARE			106
107					C					108
109					A					110
111	3	15	SPARE		B		SPARE	20	3	112
113					C					114
115			SPACE		A		SPACE			116
117					B					118
119					C					120
121					A					122
123					B					124
125					C					126

REMARKS: PROVIDE "HACR" C.B.'S FOR MOTORIZED LOADS
* SEE ONE-LINE DIAGRAM
CU. GROUND BUS

PANEL BR (2-SECT) TYPE SURFACE MAINS CU. 150 AMPERES
VOLTAGE 120/208V, 3Ø, 4W + G
M.L.O. 150A FEEDER SEE ONE-LINE DIAGRAM

CIRCUIT	POLES	TRIP	ASSIGNMENT	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	PHASE	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	ASSIGNMENT	TRIP	POLES	CIRCUIT
1	1	15	BOILER #1	2-#12, #12G	A	2-#12, #12G	PUMP SEQUENCER PANEL-1	15	1	2
3		20	BOILER #1 PUMP		B		PUMP SEQUENCER PANEL-2	15		4
5		15	BOILER #2		C		GFI	20		6
7		20	BOILER #2 PUMP		A		ELECTRONIC VALVE	15		8
9		15	HW RECIRC PUMP		B		T/C & RELAY - ROOF FANS	15		10
11		20	LIGHTS		C	2-#10, #10G	BEF-1, BEF-7	20		12
13		15	BOILER CONTROL PANEL		A		BEF-2, BEF-3			14
15		20	SPARE		B		BEF-4, BEF-6			16
17		15			C		BEF-5	15		18
19					A		KEF-1, KEF-10	20		20
21					B		KEF-2, KEF-13			22
23		20			C		KEF-4, KEF-9			24
25					A		KEF-5, KEF-6			26
27	3	35	P-1	3-#10, #10G	B		KEF-8	15		28
29					C		KEF-7	15		30
31					A					32
33	3	35	P-2 (S/B)	3-#10, #10G	B		SPARE	15	3	34
35					C					36
37	1	15	P-3	2-#12, #12G	A	2-#12, #12G	MUOA-1	15	2	38
39	1	15	P-4 (S/B)	2-#12, #12G	B					40
41	1	20	SPARE		C		SPARE	20	1	42
43	2	15	AHU-3, AHU-4	◇1	A					44
45					B					46
47	1	20	SPARE		C					48

REMARKS: PROVIDE "HACR" C.B.'S FOR MOTORIZED LOADS
CU. GROUND BUS



1 AC WIRING DIAGRAM ◇1
NOT TO SCALE

PANEL RR TYPE SURFACE MAINS CU. AMPERES
VOLTAGE 120/208V, 3Ø, 4W + G
M.L.O. FEEDER SEE ONE-LINE DIAGRAM

CIRCUIT	POLES	TRIP	ASSIGNMENT	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	PHASE	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	ASSIGNMENT	TRIP	POLES	CIRCUIT
1	1	20	LIGHTS	2-#12, #12G	A	2-#12, #12G	GFI - TOILET	20	1	2
3			LIGHTS		B		RECEPTS O.C.			4
5			SPARE		C		O.C.			6
7					A					8
9	2	20	AHU-8, AHU-9		B					10
11					C		REFRIG			12
13	1	15	CUH-4		A		SPARE			14
15			CUH-5		B					16
17			SF-3		C					18

REMARKS:
CU. GROUND BUS

PANEL L TYPE SURFACE MAINS CU. AMPERES
VOLTAGE 120/208V, 3Ø, 4W + G
M.L.O. FEEDER SEE ONE-LINE DIAGRAM

CIRCUIT	POLES	TRIP	ASSIGNMENT	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	PHASE	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	ASSIGNMENT	TRIP	POLES	CIRCUIT
1	1	20	LIGHTS	2-#12, #12G	A	2-#12, #12G	DRYER	20	1	2
3			WASHER		B					4
5					C					6
7					A					8
9					B					10
11					C					12
13					A		PTAC - B			14
15			RECEPT		B		SPARE			16
17			SPARE		C					18

REMARKS:
CU. GROUND BUS

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4	CONTRACT SET	6/18/2013

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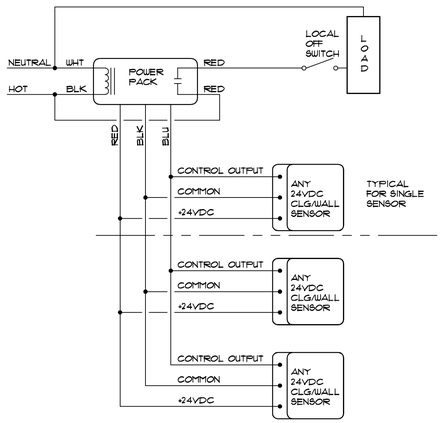
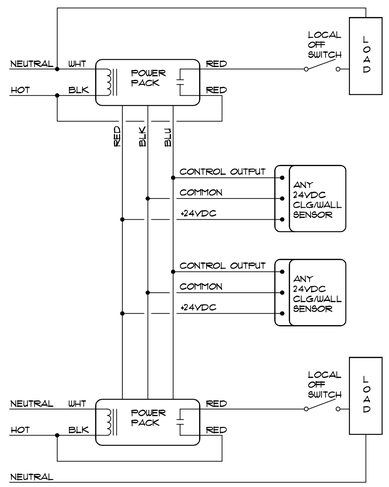
DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: NONE
DRAWING #: E-201.00



TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM MULTIPLE OCCUPANCY SENSORS USING ONE POWER PACK

NOT TO SCALE

NOTE:
MAXIMUM NUMBER OF SENSORS PER POWER PACK DEPENDS ON THE MODEL OF SENSOR. SEE THE PRODUCT DATA SHEET TO DETERMINE THE SPECIFIC CURRENT CONSUMPTION OF EACH SENSOR.

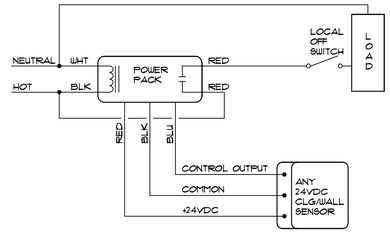


TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM MULTIPLE OCCUPANCY SENSORS CONTROLLING TWO POWER CIRCUITS

NOT TO SCALE

SHEET NOTES

- (M)'A' = DT-300
- (M)'B' = WPIR
- (M)'C' = WT-2250
- (M)'D' = WT-600

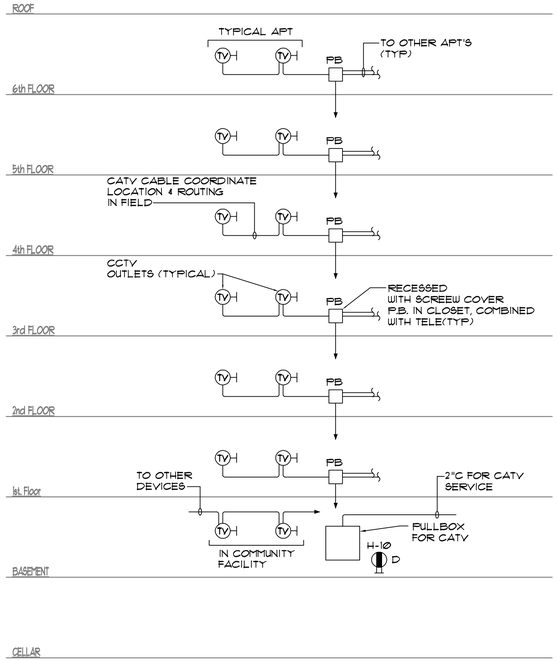


TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM ANY 3-WIRE 24VDC SENSOR

OCCUPANCY SENSOR GENERAL NOTES

FINAL DETERMINATION OF CIRCUITING, VOLTAGE AND QUANTITY OF POWER PACKS REQUIRED, AND SETTING OF SENSITIVITY/TIME ADJUSTMENTS ARE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR AND/OR COMMISSIONING AGENT. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHOULD BE ADHERED TO.

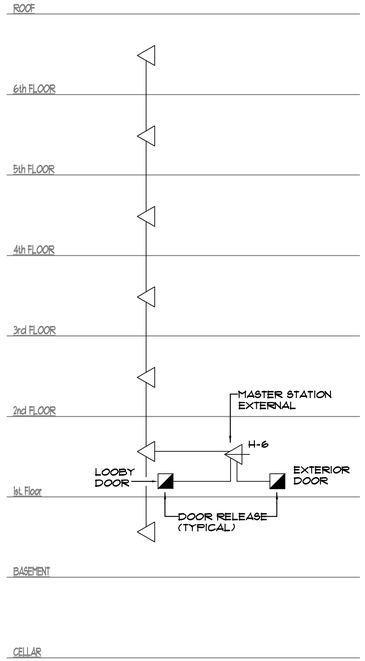
1. SENSOR LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION. IF PENDANT MOUNTED FIXTURES ARE PRESENT, LOCATION AND COVERAGE OF SENSORS SHOULD BE REVIEWED.
2. LOCATED ULTRASONIC CEILING MOUNT SENSORS NO CLOSER THAN 6' TO AIR SUPPLY/ RETURN REGISTERS.
3. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS, VERIFICATION OF MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
4. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF REQUIRED NUMBER OF POWER PACKS.
   A. ONE POWER PACK IS REQUIRED FOR EACH CIRCUIT THAT IS TO BE CONTROLLED.
   B. MAXIMUM NUMBER OF SENSORS THAT CAN BE WIRED IN PARALLEL TO A SINGLE POWER PACK IS DEPENDENT ON SENSOR MODEL (SEE INDIVIDUAL DATA SHEETS FOR MA CONSUMPTION).
5. PERFORM INSTALLATION, CONNECTION & TESTING UNDER SUPERVISION OF MANUFACTURER'S AUTHORIZED REPRESENTATIVE.
6. SUBMIT SHOP DRAWINGS INDICATING LOCATION & TYPE OF OCCUPANCY SENSOR.
7. EQUIPMENT SPECIFIED IS BY WATT STOPPER/LEGRAND. CONSULT JUAN SANCHEZ OF STAN DEUTSCH ASSOC, 718-361-9150 x224, JUAN@SDALIGHTING.COM



CATV CONNECTION DIAGRAM

NOT TO SCALE

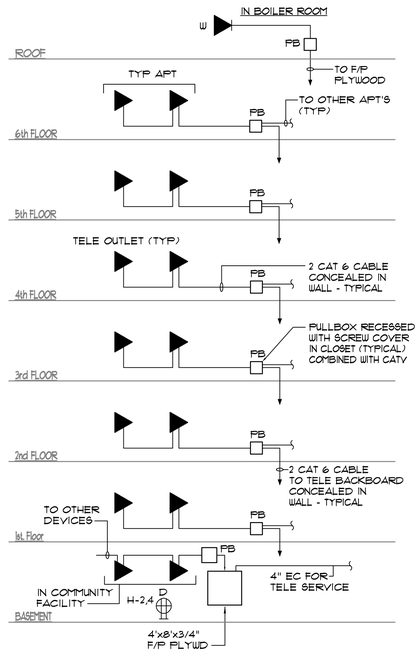
NOTES:
1. PROVIDE RISER FOR EACH VERTICAL RUN OF APTS.
2. PROVIDE WIRING AS PER VENDORS REQUIREMENTS.
3. PROVIDE INSTALLATION, CONNECTIONS, AND TESTING UNDER THE SUPERVISION OF MFGR OR MFGR REP
4. SUBMIT POINT-TO-POINT WIRING LAYOUT AS SHOP DRAWING.



APT INTERCOM CONNECTION DIAGRAM

NOT TO SCALE

NOTES:
1. PROVIDE RISER FOR EACH VERTICAL RUN OF APTS.
2. PROVIDE WIRING AS PER VENDORS REQUIREMENTS.
3. PROVIDE INSTALLATION, CONNECTIONS, AND TESTING UNDER THE SUPERVISION OF MFGR OR MFGR REP
4. SUBMIT POINT-TO-POINT WIRING LAYOUT AS SHOP DRAWING.
5. CONNECT SO THAT INTERIOR DOOR DOES NOT OPEN UNTIL EXTERIOR DOOR IS CLOSED AND SECURE.



TELEPHONE/DATA CONNECTION DIAGRAM

NOT TO SCALE

NOTES:
1. PROVIDE RISER FOR EACH VERTICAL RUN OF APTS.
2. PROVIDE INSTALLATION, CONNECTIONS, AND TESTING UNDER THE SUPERVISION OF MFGR OR MFGR REP
3. SUBMIT POINT-TO-POINT WIRING LAYOUT AS SHOP DRAWING.
4. INSTALL CABLES CONCEALED

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OAKLANDER COOGAN & VITTO PC
ARCHITECTS
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203 LAFAYETTE STREET 5TH FL
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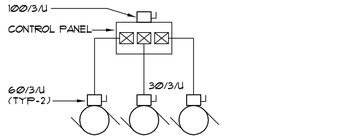
t212 675 6470 f212 675 6728

DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: NONE

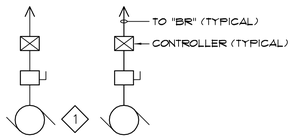
DRAWING #:
E-202.00



TRIPLEX DOMESTIC WATER SYSTEM BOOSTER PUMPS CONNECTION DIAGRAM

4 ◇1

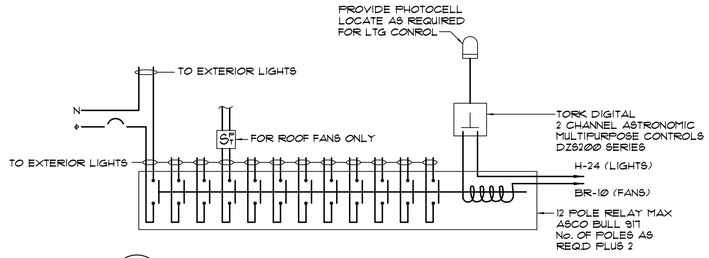
NOT TO SCALE



H.W. HTG CIRC PUMPS P-1 & P-2 (1-STANDBY) CONNECTION DIAGRAM

5

NOT TO SCALE

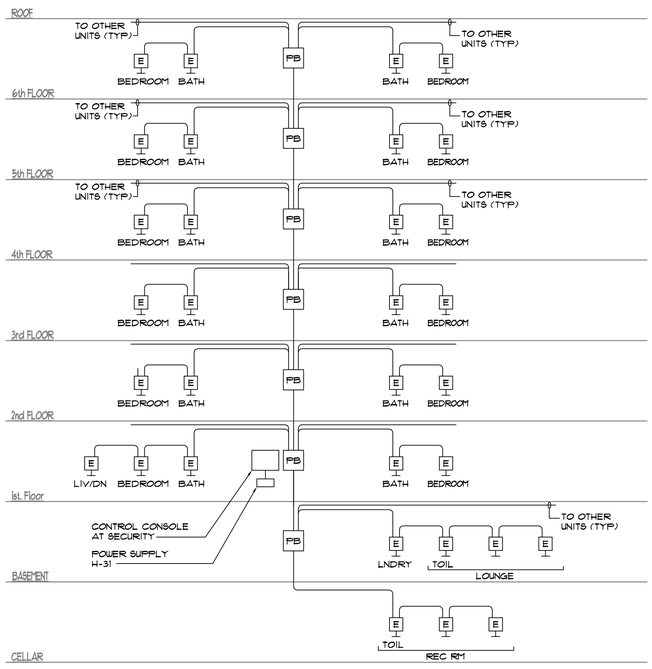


EXTERIOR LIGHTING CONTROL WIRING DIAGRAM

3

NOT TO SCALE

TYPICAL FOR ROOF FAN CONTROL
EXCEPT WITH S SWITCH FOR EACH
FAN AT RELAY LOCATION

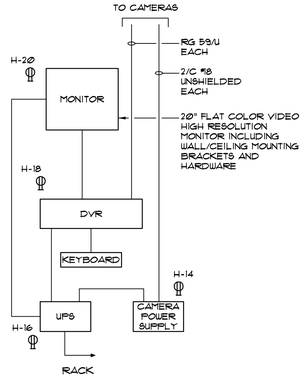


EMERGENCY CALL CONNECTION DIAGRAM

7

NOT TO SCALE

NOTES:
1. PROVIDE WIRING AS PER MFGR/VENDER REQMTS INSTALLED IN CONDUIT AS PER NYCEC
2. INSTALL CIRCUITRY CONCEALED.
3. SUBMIT AS SHOP DRAWING POINT-TO-POINT WIRING LAYOUT INDICATING LOCATION OF EACH DEVICE AND INTERCONNECTING CIRCUITRY.
4. PROVIDE SYSTEM EQUIPT, COMPONENTS, DEVICES, CIRCUITRY COMPLETE, SYSTEM SHALL BE RAULAND-RESPONDER 8000 AS SUPPLIED BY SOUND EQUIPMENT CORP., 194 BRADY AVE, HAWTHORNE NY, 10932 (914) 769-8900, ATTN: R. MARAZZO
5. PERFORM INSTALLATION, CONNECTIONS AND TESTING UNDER SUPERVISION OF MFGR OR MFGR REPRESENTATIVE.



EQUIPMENT CONTROL CABINET

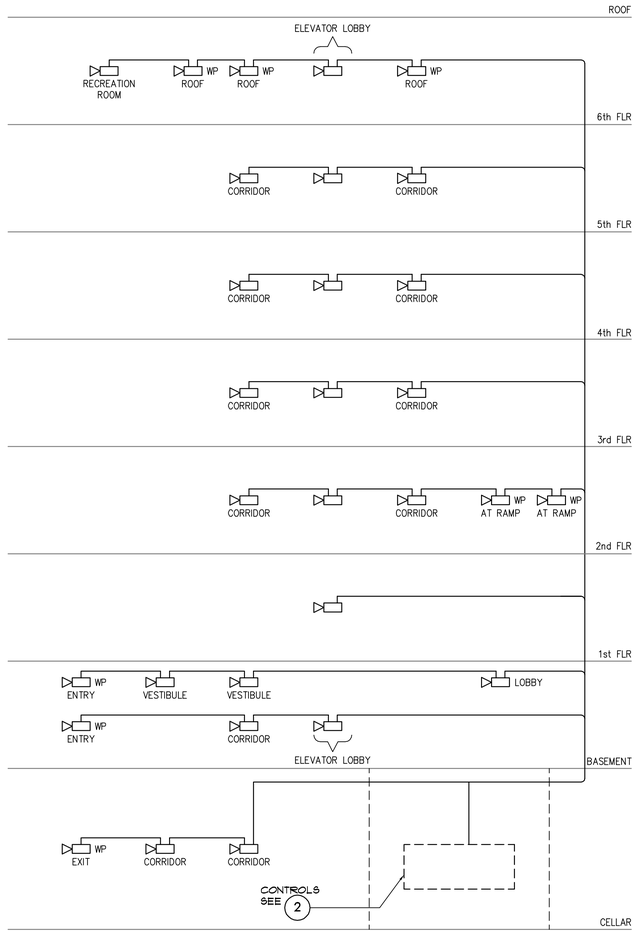
PROVIDE CONTROL CABINET TO STORE DVR, MONITOR, CAMERA POWER SUPPLY, UPS AND KEYBOARD, WITH THE FOLLOWING MINIMUM SPECIFICATION:

a. WALL MOUNT ENCLOSURE MADE BY HAEWA CORP, MODEL # P/N 0331-8012-30-07 WITH AN ADDITIONAL SHELF OR APPROVED EQUAL.
2. 8H SINGLE DOOR
3. 31.5"W (800mm) x 47.25"H (1200mm) x 12"D (300mm)
4. NEMA 4, 12, 13 UL/CSA/GL/LLOYDS APPROVAL
5. MILD STEEL, DOOR 14GA, BODY 16GA, MOUNTING PLATE 12GA
6. EPOXY-POLYESTER POWDER COAT, TEXTURED COLOR RAL 7035, LIGHT GRAY
7a. 2 CABLE ENTRY PLATES IN BOTTOM OF ENCLOSURE, GASKETED.
b. SECURED FROM INSIDE, REVERSIBLE DOOR
c. GROUND STUDS ON DOOR AND BODY OF ENCLOSURE
d. DOOR SEAL IS CONTINUOUS FOAMED-IN-PLACE GASKETING
e. QUICK RELEASE HINGE PINS
f. TAMPER RESISTANT DOUBLE MANDREL KEY-LOCKS
g. 180° DOOR OPENING ANGLE
h. PROFILE BARS ON INSIDE OF DOOR WITH HOLE PATTERN FOR ATTACHMENT OF CABLE HARNESSES, DUCTS OR ADDITIONAL COMPONENTS.
i. HARDWARE KIT FOR GROUND CONNECTIONS AND MOUNTING PLATE, INCLUDES DOUBLE MANDREL KEY.
j. 4 WALL ATTACHMENT HOLES IN BACK OF ENCLOSURE
k. CUSTOM SHELF: 31.5"W x 8"D

CCTV SYSTEM CONTROL EQUIPMENT CONNECTION DIAGRAM

2

NOT TO SCALE



CCTV CONNECTION DIAGRAM

1

NOT TO SCALE

NOTES:
1. PROVIDE WIRING AS PER VENDORS REQUIREMENTS INSTALLED IN CONDUIT, FLEX AT FINAL CONNECTION.
2. PROVIDE ENCLOSURES AND MOUNTING ACCESSORIES AS REQUIRED FOR SECURE INSTALLATION.
3. PROVIDE INSTALLATION, CONNECTION & TESTING UNDER SUPERVISION OF MFGR OR MFGR AUTHORIZED REP.
4. SUBMIT POINT-TO-POINT WIRING LAYOUT AS SHOP DWG, IDENTIFY ON SCALED FLOOR PLAN EXACT LOCATION OF EACH DEVICE/COMPONENT/EQUIPMENT/ETC. AND SHOW INTERCONNECTING CIRCUITRY.
5. EXACT LOCATION OF EQUIPMENT & DEVICES SHALL BE AS DETERMINED BY ARCHITECT.
6. PROVIDE INDOOR CAMERAS: HIGH DEF, MIN 1.3 MEGAPIXEL. PROVIDE EXTERIOR CAMERAS: ANALOG, LOW LIGHT, HEATED ENCLOSURES.
7. PROVIDE CIRCUITRY: H-44,46,48: HD: CAT-6 & 18/2 POWER, ANALOG: CAT-6, 18/2 POWER, RG-59 SIAMESE POWER FOR HEATER

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ARCHITECTS
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NEW YORK CITY NEW YORK 10012
t212 675 6470 f212 675 6728

DATE: 03/12/2012

JOB #: 09J06

DRAWN BY: jc/aj

SCALE: NONE

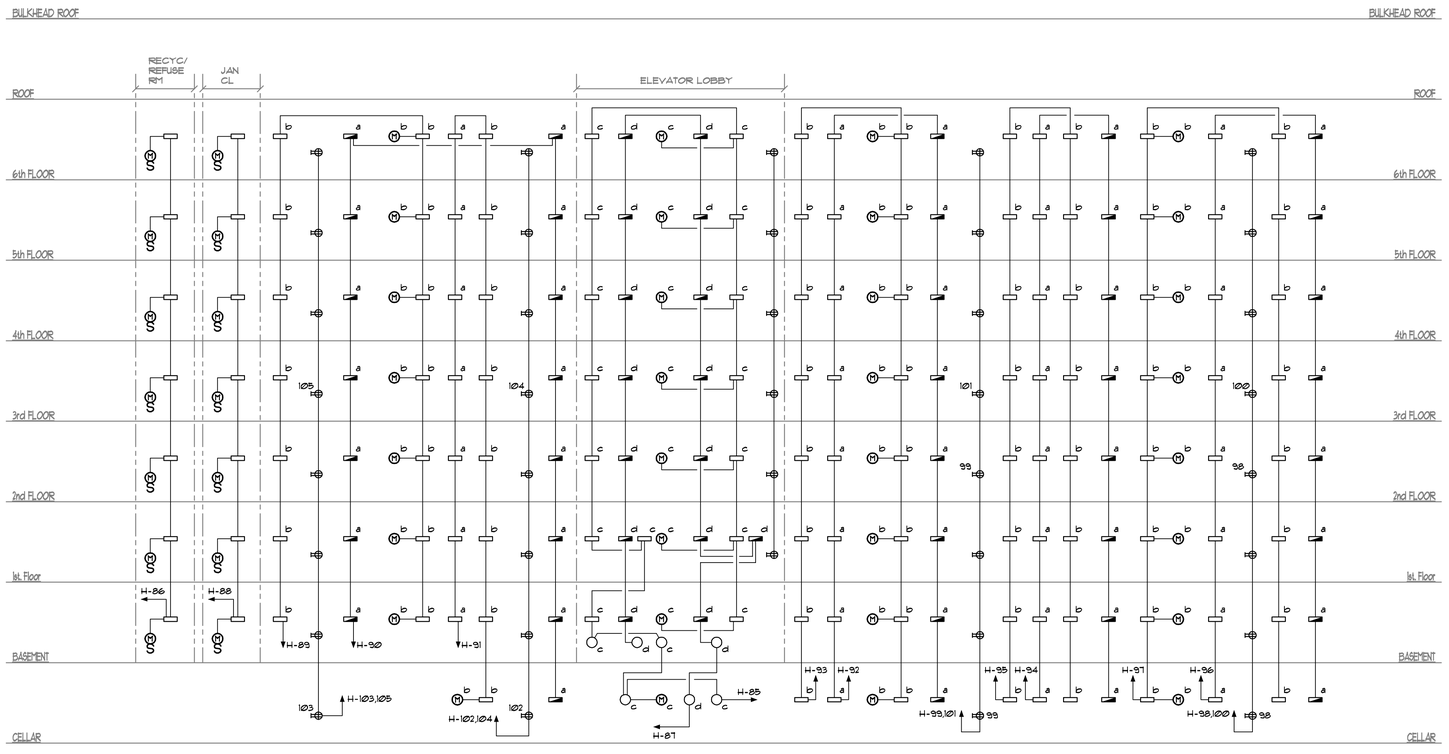
DRAWING #:

E-203.00

LIGHT FIXTURE SCHEDULE

TYPE	MTG.	SIZE	MANUFACTURER/CATALOG NUMBER	WATT	LOCATION	REMARKS
'AA'	WALL	13-7/8" W X 6-7/8" H X 3-1/2" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11907/2/13WCOMPACT(TT)120	13W	BEDROOM/LIVING ROOM	
'BB'	CEILING	7-3/8" DIA. X5"H	SEAGULL LIGHTING/DEEP CONE SATIN NICKEL/11061AT-861-6"		APT. FOYER	
'CC'	CEILING	14" DIA	SEAGULL LIGHTING/6024-15 SINGLE LIGHT WHITE PENDANT/	8W	PUIBLIC HALL/LOBBY	
'DD'	CEILING	89.25" L X 3" H X 3-1/2" D	CORONET INC./LSR SERIES/LSR-88"-1-54-NT-120	54W	KITCHEN	
'EE'	WALL	27" L X 5" W X 4" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11890-RE-120	17W	APT. BATHROOM.	
'FF'	CEILING	46.25" L X 3" W X 3-1/2" D	CORONET INC./LSR SERIES/LSR-44"-1-28-NT-120	28W	KITCHEN	
'GG'	CEILING	4" H X 5" W X 4 D	TCP ECOVATIONS/ GU24 CLOSET LIGHT/SPRING LAMPS/CL13	13W	WALK-IN CLOSET	
'A'	CEILING	4' L X 5-5/16" W X 3-1/2" H	CORONET INC / WELDED STRIP SERIES / WS-2-32-120-MS	32W T8	BOILER RM/ REFUSE & RECYCLE RM./ELECTRIC, WATER & GAS METER RM./MAINTENANCE OFC/JANITOR CLOSET	NOTE *1
'B'	WALL	51-1/2" L X 11-1/4" W X 5-1/2" H	LIGHT CONCEPTS/ LITHONIA LIGHTING/ 10640-RE-17-120	17W T8	LAUNDRY	NOTE *1
'C'	CEILING	48" L X 7-3/4" W X 2" H	CORONET INC./950 SERIES/950-4-2-28W-PS6*-120-SE	28W	PUBLIC HALL	NOTE *1
'D'	WALL	24" L X 8" H X 3.99" D	LAMAR LIGHTING/VO SERIES VOYAGER/VO-2-17-E8-120-	17W	STAIRS	NOTE *1
'F'	CEILING	72" L X 4-1/2" W X 1-3/4" H	LITECONTROL/COVE-15 CC-AL-L15/ CC-AL-L15-06-MO-30K--120	8W	ELEVATORS LOBBY/LOBBY	NOTE *1
'G'	CEILING	24" X 24"	CORONET INC./TSSW SERIES/TSSW-24-2-14W-T-120	14W T5	OFFICE/SECURITY OFC/LOUNGE/RECREATION RM.	NOTE *1
'H'	WALL	18 L X 9" D X 7-1/4" H	LITHONIA LIGHTING/DECORATIVE WALL-MOUNTED LIGHT./WSR-MDU-120-DNAT		EXTERIOR WALLS/GREEN ROOF	
'I'	WALL/FLOOR	4.01" L X 4.01 W X 1.81" H	METEOR SOLAR LED LIGHTING/SH-130B-W-B-H		EXTERIOR/GREEN ROOF	
'J'	CEILING	10-1/2" DIA X 4-7/8" H	PROGRESS LIGHTING/	18W	EXTERIOR	
'K'	WALL	72" L	DELRAY LIGHTING/ST9/11/ ST96221.311-6*-120 ST94128.411-4*-120	2-21 & 1-28	MAIL WALL	
'L'	FLOOR	10" DIA X 7" H 2.6" DIA X 17" H	RAB LIGHTING/DOME TOP LAWN LIGHT / LLD3B/FS13 RAB LIGHTING/17" MIGHTYPOST/MP17B	13W CFL	SIDE YARD	INSTALL ON MOUNTING STEM N@ 1'-0" ABOVE GRADE, BLACK FINISH
'M'	CEILING	5" DIA X 6-5/8" H	DELRAY LIGHTING/CYLINDRO II/ 6705-CW-S-1		LOBBY	

NOTES:
1. PROVIDE EMERGENCY BALLAST/BATTERY PACK IN FIXTURES INDICATED ON ELECTRICAL DRAWINGS
2. GENERAL: PROVIDE PROGRAM BALLAST IN FIXTURES CONTROLLED BY OCCUPANCY SENSOR
3. PROVIDE -20 DEGREE BALLAST IN EXTERIOR FIXTURES.



1 PUBLIC HALL LIGHTING & RECEPTACLE CONNECTION DIAGRAM

NOT TO SCALE

NOTES:
1. PROVIDE MIN. #8 XHHW CIRCUITRY
2. SEE ELECTRIC FLOOR PLANS FOR LOCATION OF OCCUPANCY SENSORS.
3. SEE ARCHITECT'S REFLECTED CEILING PLANS FOR EXACT LOCATIONS. SPECS & FIXTURE TYPES AND DESCRIPTIONS DATA SHOWN HERE IS FOR INFORMATION & CIRCUITRY ONLY.
4. SUBMIT SHOP DRAWINGS IDENTIFYING EXACT LOCATION OF OCCUPANCY SENSORS & AREAS OF COVERAGE ON SCALED FLOOR PLANS. PROVIDE SUFFICIENT ADDITIONAL QUANTITY & TYPE OF OCCUPANCY SENSORS TO ACCOMMODATE THE INTENT OF THE DRAWINGS.

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PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

WEXLER & ASSOC STRUCT ENGR
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TEL: 212.643.1500 \ FAX: 212.268.8960

MEP CONSULTANT:

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45 W 34TH ST \ NEW YORK, NY 10001
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NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:

DIAGRAM & SCHEDULE

ARCHITECT:

OCV
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DATE: 03/12/2012

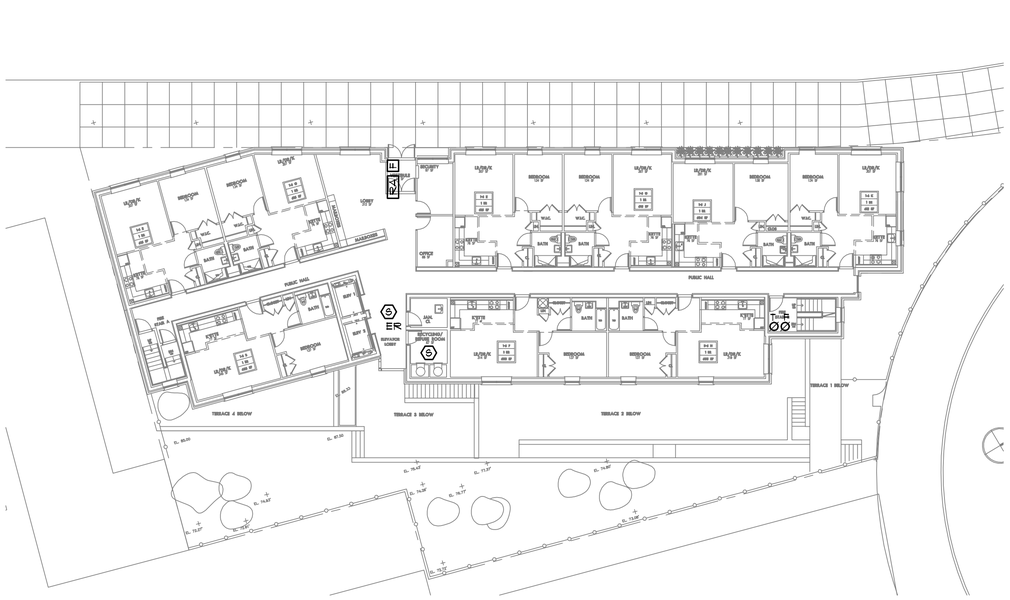
JOB #: 09J06

DRAWN BY: jc/aj

SCALE: NONE

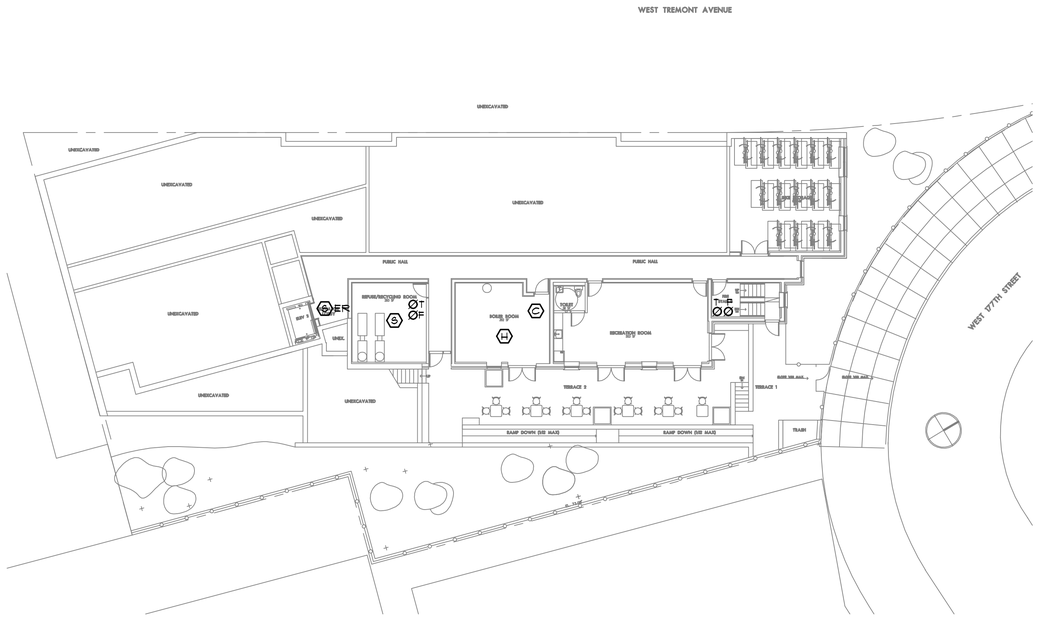
DRAWING #:

E-204.00



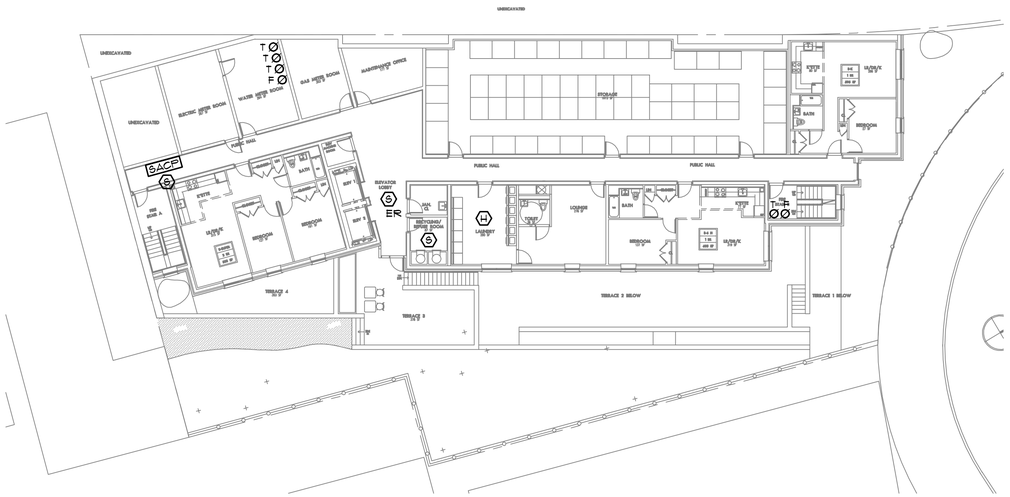
4 FIRST FLOOR PLAN

SCALE: 1/16" = 1'-0"



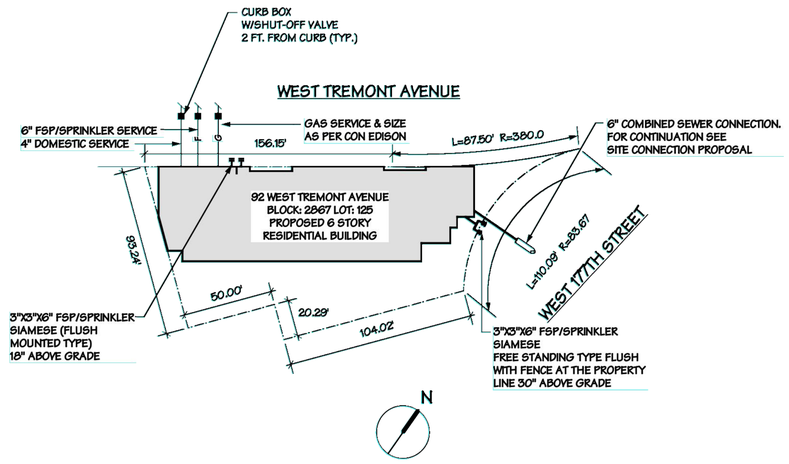
2 CELLAR FLOOR PLAN

SCALE: 1/16" = 1'-0"



3 BASEMENT FLOOR PLAN

SCALE: 1/16" = 1'-0"



1 SITE PLAN

NOT TO SCALE

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NO:	REVISION:	DATE:
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DRAWING TITLE:

SPRINKLER/SMOKE DETECTOR ALARM SYSTEM
FLOOR PLANS

ARCHITECT:

OCV
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DATE: 03/12/2012

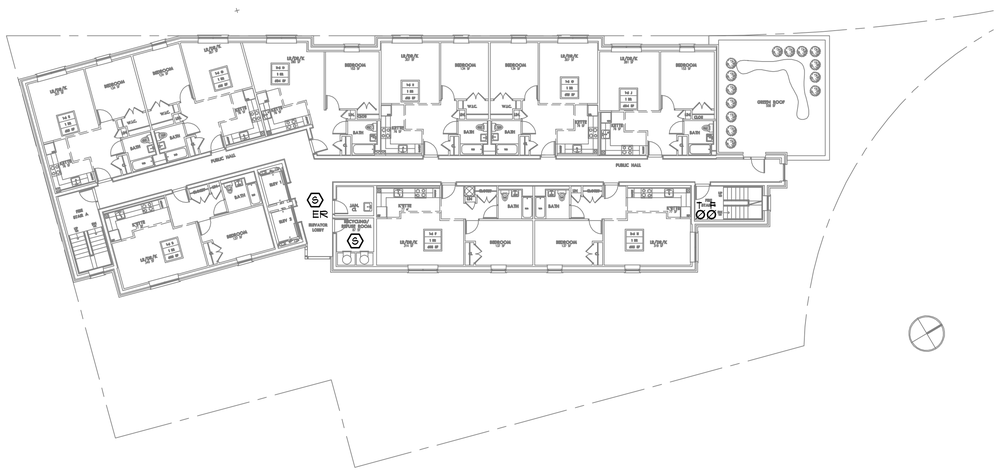
JOB #: 09J06

DRAWN BY: jc/aj

SCALE: AS NOTED

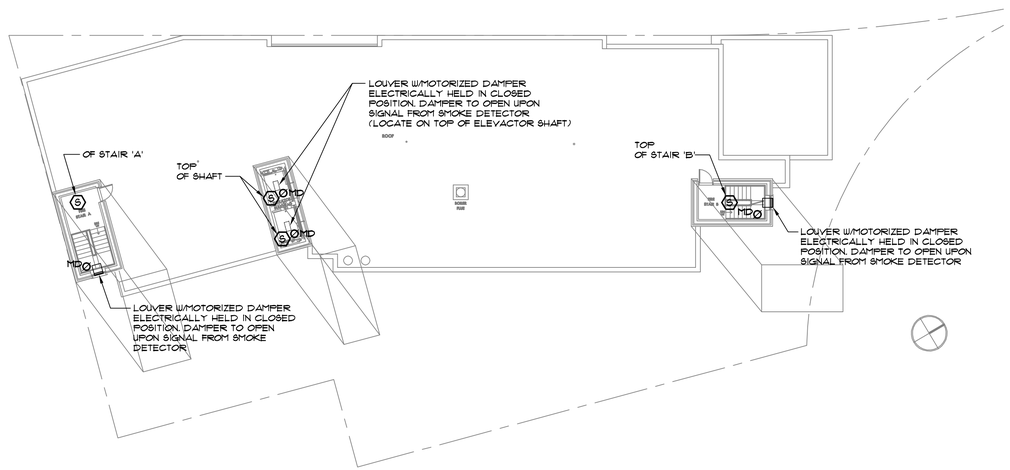
DRAWING #:

FA-101.00



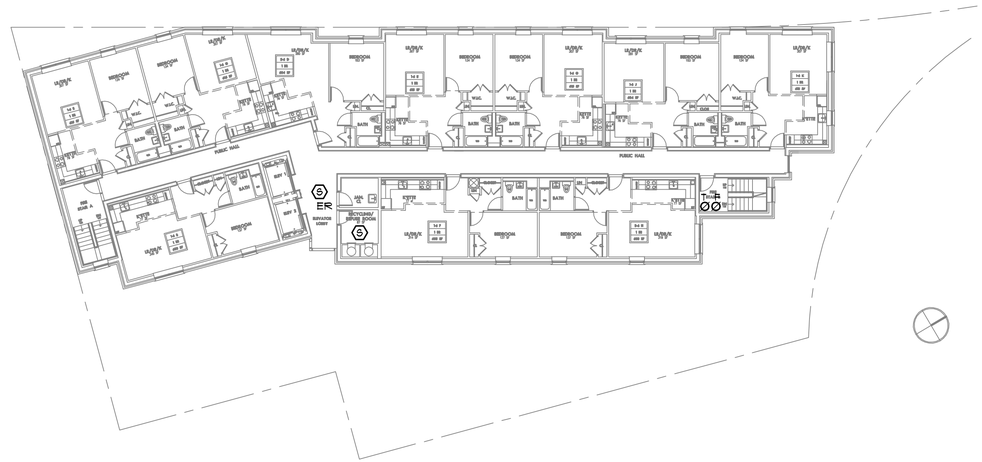
2 SIXTH FLOOR PLAN

SCALE: 1/16" = 1'-0"



3 ROOF PLAN

SCALE: 1/16" = 1'-0"



1 TYPICAL (2-5) FLOOR PLAN

SCALE: 1/16" = 1'-0"

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DRAWING TITLE:

SPRINKLER/SMOKE DETECTOR ALARM SYSTEM
FLOOR PLANS

ARCHITECT:

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DATE: 03/12/2012

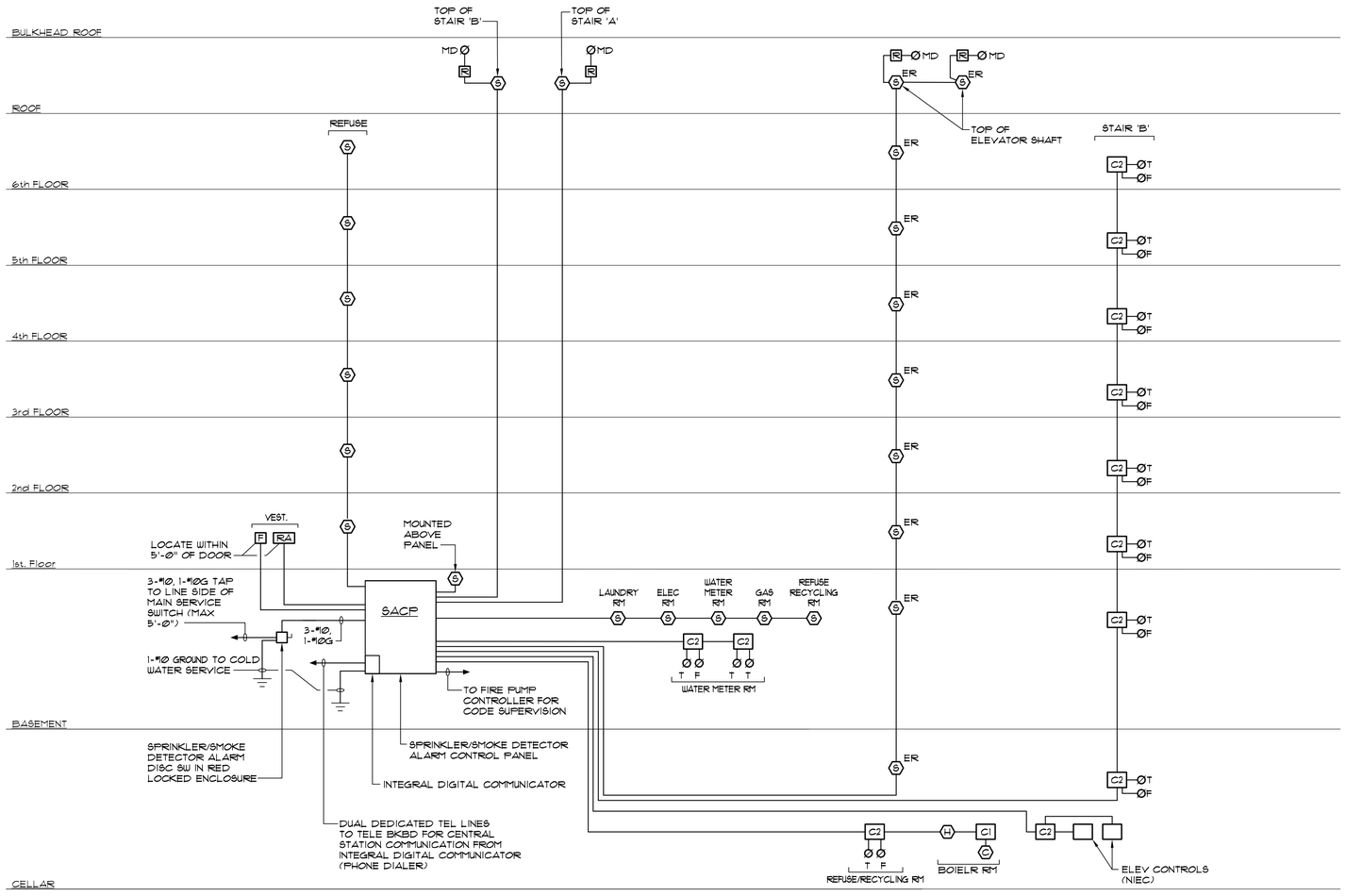
JOB #: 09J06

DRAWN BY: jc/aj

SCALE: AS NOTED

DRAWING #:

FA-102.00



1 AUTOMATIC SMOKE/HEAT DETECTION/SPRINKLER ALARM SYSTEM CONNECTION DIAGRAM

NOT TO SCALE

NOTES:
1. SEE FIRE ALARM SEQUENCE OF OPERATION, NOTES & MATRIX ON DWG FA-103.00
2. PROVIDE ADDRESSABLE LOOP 16/ 2 150°C TEFLON JACKETED NYC APPROVED FIRE ALARM CABLING

FIRE ALARM SYSTEM LEGEND

SACP	SPRINKLER/SMOKE DETECTION CONTROL PANEL. "EST" CAT. "QUICKSTART
F	ADDRESSABLE MANUAL FIRE ALARM STATION "RSG/AAMES" CAT. "RMS-1T-LP-NYC
T Ø	TAMPER SWITCH- FURNISHED & INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.
F Ø	FLOW SWITCH- FURNISHED & INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.
S	ADDRESSABLE SMOKE DETECTOR "EST" CAT. "SIGA-DS, "ER" = FOR ELEVATOR RECALL
H	ADDRESSABLE HEAT DETECTOR "EST" CAT. "SIGA-HFS &/OR SIGA HRS
R	RELAY
C1	SINGLE INPUT MODULE "EST" CAT. "SIGA CT1
C2	DUAL INPUT MODULE "EST" CAT. "SIGA CT2
(NIEC)	NOT IN ELECTRICAL CONTRACT WORK
C	CO DETECTOR - "EST" CAT. "SIGA-CO
RA	REMOTE ANNUNCIATOR
	GROUND
MDØ	MOTORIZED DAMPER

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SPRINKLER/SMOKE DETECTOR ALARM SYSTEM
LEGEND & DIAGRAM

ARCHITECT:
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NEW YORK CITY NEW YORK 10012
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DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: NONE

DRAWING #:
FA-103.00

NFPA OPERATIONS MATRIX

SYSTEM OUTPUTS

		CONTROL UNIT ANNUNCIATION						NOTIFICATION									REQUIRED FIRE SAFETY CONTROL							
		ACTUATE COMMON ALARM SIGNAL	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL	NOT USED	DISPLAY/PRINT CHANGE OF STATUS	TRANSMIT AUTOMATIC ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT MANUAL SIGNAL TO SUPERVISING STATION	TRANSMIT WATERFLOW SIGNAL TO SUPERVISING STATION	TRANSMIT SUERVISORY SIGNAL TO SUPERVISING STATION	NOT USED	NOT USED	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	NOT USED	RECALL ELEVATORS TO GROUND FLOOR	OPEN APPROPRIATE SMOKE DAMPER	NOT USED	NOT USED	NOT USED	NOT USED	
SYSTEM INPUTS		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
1	MANUAL FIRE ALARM BOXES	X	X						X		X													1
2	SMOKE DETECTORS	X	X						X	X														2
3	TOP OF STAIR/ELEV SMOKE DETECORS																		X					3
4	HEAT DETECTORS	X	X						X	X														4
5	ELEVATOR RELATED SMOKE DETECTOR	X	X						X	X								X						5
6	WATERFLOW	X	X						X			X						X						6
7	CARBON MONOXIDE ALARM			X	X				X				X											7
8	SPRINKLER CONTROL VALVE			X	X				X				X											8
9	NOT USED																							9
10	NOT USED																							10
11	NOT USED																							11
12	FIRE ALARM AC FAILURE					X	X		X							X								12
13	FIRE ALARM SYSTEM LOW BATTERY					X	X		X							X								13
14	OPEN CIRCUIT					X	X		X							X								14
15	GROUND FAULT					X	X		X							X								15
16	NOT USED																							16
17	NOT USED																							17
18	NOT USED																							18
19	DRILL SWITCH																							19
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	

STATEMENT OF OPERATION	DATE: PROJECT: DOB#:
SEAL	I, (NAME, TITLE, LICENCE/REG.#) CERTIFY THAT THE FIRE ALARM SYSTEM FILED UNDER FW/ #_____ HAS BEEN INSTALLED AS PER APPROVED PLANS, TESTED AND OPERATES AS DESIGNED AND IN ACCORDANCE WITH THE INPUT/OUTPUT PROGRAMMING MATRIX

AUTOMATIC SMOKE/HEAT DETECTION / SPRINKLER ALARM SYSTEM NOTES

1 - THE SUGGESTED FIRE ALARM MANUFACTURER FOR THIS FACILITY IS EDWARDS SYSTEMS TECHNOLOGY (EST) PRODUCTS. THE ELECTRICAL CONTRACTOR SHALL CONTACT DANA FERRER AT EST (860-284-3432) OR DANAFERER@FSUTC.COM) FORA LIST OF NYC APPROVED EST FIRE ALARM VENDORS.

2 - WIRING, POWER, CONDUCTORS, CONDUITS ETC. SHALL MEET NYC ELECTRICAL CODE ARTICLE 760 AS PER SECTION 4000-06 OF 8-2009.

3 - WORK SHALL BE IN ACCORDANCE WITH THE 2008 NYC BUILDING CODE AND IN ACCORDANCE WITH APPENDIX Q AND K, NYC FIRE ALARM RULES, AND 2002 NFPA 72 AS AMENDED BY APPENDIX Q.

4 - FIRE ALARM EQUIPMENT SHALL BE NYC APPROVED (MEA, BSA OR COA APPROVED)

5 - FIRE ALARM CIRCUITS SHALL BE SIZED TO A MAXIMUM OF 80% OF CAPACITY.

6 - FIRE ALARM CIRCUITS SHALL BE WIRED NFPA STYLE 4/Y/B (CLASS B) WITH THE EXCEPTION OF THE NETWORK CIRCUIT WHICH SHALL BE NFPA STYLE 7 (CLASS A WITH ISOLATION). DUAL CLASS B NETWORKING IS NOT STYLE 7 AND WILL NOT BE APPROVED.

7 - CONDUITS SHALL NOT ENTER THE TOP OF ANY FIRE ALARM EQUIPMENT CABINT.

8 - FIRE ALARM EQUIPMENT SHALL BE INSTALLED WITH AESTHETICS IN MIND. CABINETS SHALL BE SEMI FLUSH MOUNTED AND CABLE TRAYS SHALL BE HIDDEN.

9 - FIRE ALARM CABINETS AND JUCTION BOXES SHALL BE PAINTED FIRE DEPARTMENT RED. FIRE ALARM CABINETS SHALL BE CLEARLY LABELED WITH A NYC APPROVED LAMINATE ENGRAVED LABEL.

10 - FIRE ALARM WIRE SHALL BE CLEARLY LABELED IN JUNCTION BOXES AND CABINETS. TERMINALS SHALL BE NUMBERED AND LABELED. CONNECTIONS SHALL BE EITHER SOLDERED, APPROVED TERMINAL STRIPS OR SCOTCH LOCKS.

11 - FIRE ALARM CONDUCTORS SHALL BE PROTECTED BY EITHER BUILDING CONSTRUCTION OR CONDUIT TO 8 FEET ABOVE THE FINISHED FLOOR. MECHANICAL AND ELECTRICAL ROOMS AND OTHER LOCATIONS SUBJECT TO MECHANICAL DAMAGE SHALL BE IN FULL RIGID CONDUIT. IN OTHER AREAS, NYC APPROVED WIRE MAY BE RUN WITHOUT CONDUIT ABOVE 8 FT. PROVIDED IT MEETS NYC ARTICLE 760 AND CONNECTS TO BUILDING CONSTRUCTION USING A NYC APPROVED MEANS.

12 - FIRE ALARM CABLES SHALL NOT BE MIXED WITH NON FIRE ALARM CABLING. LOW VOLTAGE FIRE ALARM CABLING SHALL NOT BE MIXED OR WIRED NEAR ANY AC CIRCUIT.

13 - LOW VOLTAGE WIRING SHALL BE FPLP 150 DEGREE C NYC CERTIFIED WIRE, 16 AWG MINIMUM.

14 - POLARITY SHALL BE OBSERVED ON CIRCUITS. T-TAPPING SHALL NOT BE PERMITTED ON ADDRESSABLE CIRCUITS WITHOUT THE EXPRESS PERMISSION OF THE ENGINEER.

15 - WIRING SHALL BE INSPECTED TO ASSURE THERE ARE NO OPENS, SHORTS OR EARTH GROUNDS.

16 - SHIELDED CONDUCTORS OR RUNNING IN SEPARATE RACEWAY SHALL BE AS INSTRUCTED BY THE FIRE ALARM MANUFACTURERS DOCUMENTATION. NON-POWER LIMITED WIRING, SHALL BE RUN IN A SEPARATE RACEWAY

17 - FIRE ALARM EQUIPMENT SHALL BE POWERED THROUGH AN APPROVED FUSE DISCONNECT SWITCH (FDS) CONNECTED AHEAD OF THE MAIN SERVICE SWITCH. THE FDS SHALL BE LOCATED WITHIN 5 FT OF THE CONNECTION POINT, PAINTED RED AND SUPPLIED WITH A LOCK WITH KEY MAINTAINED ON THE PREMISES. WIRING SHALL BE #10 MINIMUM THHN OR EQUIVALENT RUN IN ¾ INCH EMT/RGS AND IN ACCORDANCE WITH NYC REQUIREMENTS.

18 - FDSS AND FIRE ALARM CONTROL PANELS SHALL BE GROUNDED USING A MINIMUM #10 AWG (#8 MINIMUM TO FDS - SEE NYC ELECTRICAL CODE TABLE 250.66)) GREEN THHN OR EQUIVALENT, CONNECTED TO THE STREET SIDE OF THE COLD WATER MAIN WITH AN APPROVED CLAMP IN ¾ INCH MINIMUM EMT/RGS. THE GROUND SHALL BE CONTINUED TO OTHER FIRE ALARM EQUIPMENT CABINETS. ADDITIONALLY, THE NEUTRAL IN EACH FDS SHALL BE BONDED TO THE METALLIC HOUSING IN ACCORDANCE WITH NYC CODE.

19 - PROVIDE A CENTRAL STATION DIALER INTEGRAL WITH CONTROL PANEL AND TWO DEDICATED PHONE LINES. THE DIALER SHALL BE CAPABLE OF SENDING THE FOLLOWING EVENTS: ALARM, MANUAL STATION, WATERFLOW, SUPERVISORY, TROUBLE. PUMP RUNNING AND PUMP TROUBLE.

20 - AREA SMOKE DETECTORS SHALL BE PHOTOELECTRIC TYPE.

21 - SMOKE DETECTORS SHALL BE MOUNTED AT LEAST 3 FT AWAY FROM ANY AIR REGISTER/DIFFUSER.

22 - CEILING MOUNT DEVICES SHALL BE SECURELY FASTENED TO BUILDING CONSTRUCTION.

23 - DEVICE LOCATIONS SHALL BE READILY ACCESSIBLE TO ALLOW FOR MAINTENANCE AND REPAIR.

24 - MANUAL STATIONS SHALL BE MOUNTED 48 INCHES ABOVE THE FINISHED FLOOR TO THE HANDLE OF THE STATION AND SHALL BE PAINTED FIRE DEPARTMENT RED. MANUAL STATION SHALL BE INSTALLED SO THAT THEY ARE KEPT UNOBSTRUCTED AT ALL TIMES.

25 - THE NYCE FIRE DEPARTMENT SHALL APPROVE THE PLANS PRIOR TO THE BEGINNING OF ANY WORK.

26 - LOCATIONS OF FIRE ALARM EQUIPMENT SHALL BE SUBJECT TO THE NYC DEPARTMENT OF BUILDING AND FDNY APPROVAL. NO CHANGE OR MODIFICATION TO THE SYSTEM OR PLANS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER OF RECORD. IF ANY CHANGEES ARE MADE TO THE DRAWINGS PRIOR TO OR DURING INSTALLATION, AS BUILT PLANS SHALL BE PREPARED BY THE ENGINEER AND FILED WITH THE APPROPRIATE NYC AGENCIES FOR FINAL ACCEPTANCE.

27 - THE CONTRACTOR SHALL RETAIN A NY STATE PE TO SIGN AND SEAL NECESSARY DOCUMENTS REQUIRED FOR INSPECTION AND TO OBTAIN A FINAL LETTER OF APPROVAL. THIS SHALL INCLUDE A SIGNED AND SEALED 11X17 AS-BUILT DRAWINGS, STATEMENT OF OPERATION, AN NFPA PROGRAMMING MATRIX, AND THE CONTRACTORS SIGNED AND SEALED A-433 FORM. THESE DOCUMENTS SHALL BE SUBMITTED AS NECESSARY TO THE NYC FIRE DEPARTMENT/NYC DEPARTMENT OF BUILDINGS TO OBTAIN A FIRE ALARM INSPECTION. IF A LETTER OF DEFECT IS ISSUED, THE CONTRACTOR SHALL CORRECT ITEMS AND SUBMIT A SIGNED AND SEALED CERTIFICATE OF CORRECTION TO THE NYC FIRE DEPARTMENT TO OBTAIN A FINAL LETTER OF APPROVAL AT NO ADDITIONAL COST TO OWNER. SUBMIT COPY OF FDNY FINAL APPROVAL LETTER TO OWNER.

28 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY ABANDONED FIRE ALARM CABINETS, DEVICES, AND WIRE. PAINT, PATCH AND CLEANUP SHALL ALSO BE INCLUDED.

29 - PROVIDE "AS-INSTALLED" RISER DIAGRAMS (3) IN FRAME SUITABLE FOR WALL MOUNTING OF RISER DIAGRAM, MINIMUM 11"X17" CADD DRAFTED. SUBMIT DRAFT COPY FOR REVIEW AS SHOP DRAWING.

30 - PROVIDE EQUIPMENT, PERFORM INSTALLATION, CONNECTIONS AND TESTING UNDER SUPERVISION OF MANUFACTURERS AUTHORIZED REPRESENTATIVE.

SEQUENCE OF OPERATION

A. ACTIVATION OF THE MANUAL PULL STATION WILL:
   a. ANNUNCIATE THE DEVICE IN ALARM ON AN ENGLISH LANGUAGE DISPLAY AT THE ALARM PANEL AND REMOTE ANNUNCIATOR
   b. SEND AN ALARM SIGNAL TO CENTRAL OFFICE

B. ACTIVATION OF AN AREA SMOKE, HEAT OR CO DETECTOR WILL:
   a. ANNUNCIATE THE DEVICE IN ALARM ON AN ENGLISH LANGUAGE DISPLAY AT THE ALARM PANEL AND REMOTE ANNUNCIATOR
   b. SEND A SMOKE ALARM SIGNAL TO CENTRAL OFFICE

C. ACTIVATION OF AN ELEVATOR RELATED SMOKE DETECTOR WILL:
   a. ANNUNCIATE THE DEVICE IN ALARM ON AN ENGLISH LANGUAGE DISPLAY AT THE ALARM PANEL AND REMOTE ANNUNCIATOR
   b. SEND A SMOKE ALARM SIGNAL TO CENTRAL OFFICE
   c. RECALL THE ELEVATOR TO THE GROUND FLOOR

D. ACTIVATION OF A WATERFLOW SWITCH WILL:
   a. ANNUNCIATE THE DEVICE IN ALARM ON AN ENGLISH LANGUAGE DISPLAY AT THE ALARM PANEL AND REMOTE ANNUNCIATOR
   b. SEND A WATERFLOW ALARM SIGNAL TO CENTRAL OFFICE
   c. RECALL THE ELEVATOR TO THE GROUND FLOOR

E. ACTIVATION OF A TAMPER SWITCH WILL:
   a. ANNUNCIATE THE DEVICE IN ALARM ON AN ENGLISH LANGUAGE DISPLAY AT THE ALARM PANEL AND REMOTE ANNUNCIATOR
   b. SEND A SUPERVISORY SIGNAL TO CENTRAL OFFICE

F. OPERATION OF A GENERAL TROUBLE I.e.: OPEN ON FIELD WIRING INTERNAL FAULTS WILL:
   a. ACTIVATE LOCAL PIEZO AT THE ALARM PANEL AND REMOTE ANNUNCIATOR AND SHOW ALPHANUMERIC TEXT MESSAGE ON LCD DISPLAYS.
   b. TRANSMIT TROUBLE SIGNAL TO CENTRAL OFFICE VIA CENTRAL OFFICE TRANSMITTER.

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MATRIX AND NOTES

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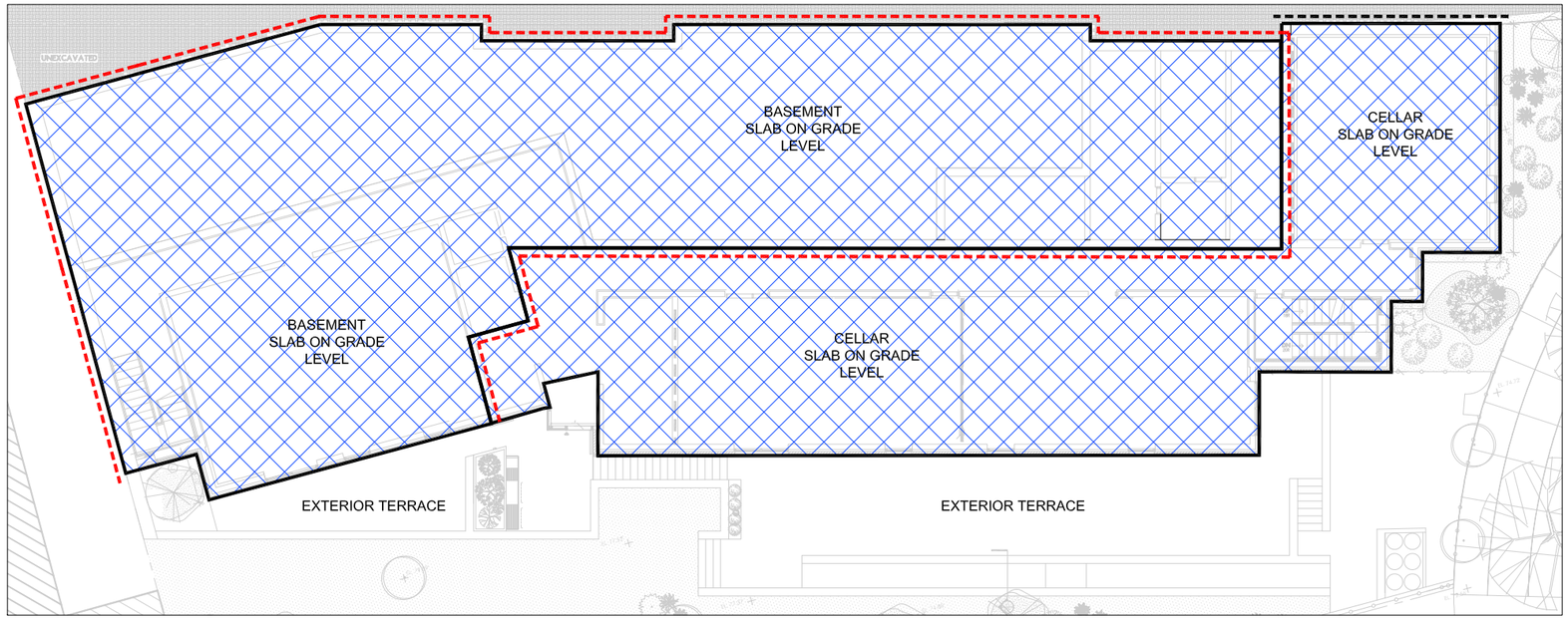
FA-104.00

APPENDIX B

VAPOR BARRIER

DOCUMENTATION

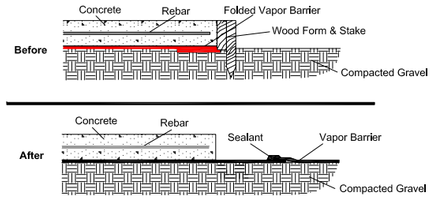


Legend

Reef Griffolyn 20 mil reinforced non-waterproofing vapor barrier membrane installed beneath building foundation concrete slabs.

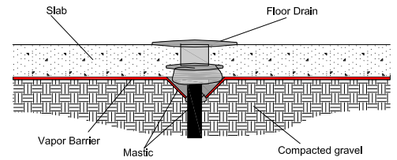
Reef Griffolyn 20 mil reinforced non-waterproofing vapor barrier membrane behind sub-grade foundation concrete walls.

Construction Joint Application for Large Slabs Placed in Stages



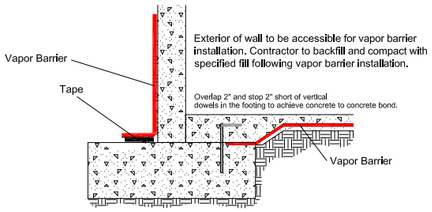
NOT TO SCALE

Membrane Interaction with Floor Drain



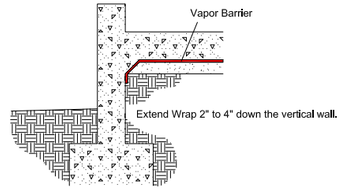
NOT TO SCALE

Membrane Termination Onto Footing just Short of Rebar Dowels



NOT TO SCALE

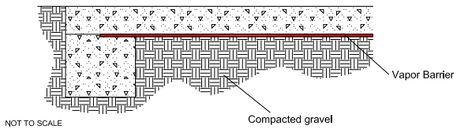
MembraneTermination Onto Below Slab Wall Footing



NOT TO SCALE

Membrane Termination Between Footer and Slab Needing Concrete Bond

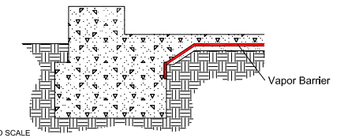
- Overlap the vapor barrier as far as necessary to ensure that it remains sandwiched between the slab and footer during construction, but not so far that it prohibits adequate bonding of concrete to concrete.



NOT TO SCALE

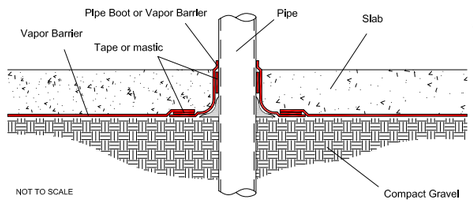
Membrane Termination Onto Exterior Wall Footing

Lap membrane down the vertical face of the footing 2" to 4"



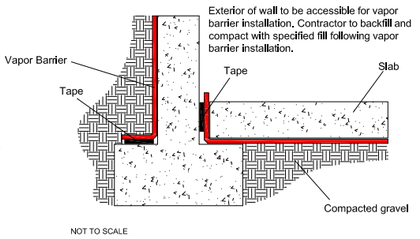
NOT TO SCALE

Membrane Interaction with Pipe Penetration



NOT TO SCALE

MembraneTermination Onto Outside Cellar Wall Footing



NOT TO SCALE

IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

1000 PAGE AVENUE
LYNDHURST, NEW JERSEY 07071

TITLE: As-Built Vapor Barrier Plan

60 W. 177th St. & 92 Tremont Ave.
Bronx, New York

DRAWN BY:	BH
CHECKED BY:	KK
DATE:	1-22-2016
SCALE:	1" = 20'

PROJECT #	2166-06-02-2000
SHEET #	1

Vapor barrier layout base plan based on OCV Architects Cellar (A-101.00), Basement (A-102.00) and First Floor Plan (A-103.00) revision date 6.18.13

GRIFFOLYN®
20 MIL REINFORCED

REEF INDUSTRIES, INC.

TECHNICAL DATA SHEET

DESCRIPTION

Griffolyn® 20 Mil Reinforced is a multiply laminate combining U.V. stabilized film with a high strength cord grid. It is specifically engineered to provide high strength and durability in a lightweight material.

PHYSICAL PROPERTIES AND TYPICAL VALUES

PROPERTY	ASTM TEST METHOD	U.S. VALUE	METRIC VALUE
Weight	D-751	93 LB/1000 FT^2	45 KG/100 M^2
3" Load @ Yield	D-882	130 LBF	578 N
3" Elongation @ Break	D-882	400 %	400 %
Tongue Tear	D-2261	39 LBF	173 N
Trapezoidal Tear	D-4533	55 LBF	245 N
Permeance	E-96	0.014 Grain/Hr•Ft^2•in.Hg	0.80 NG/(PA•S•M^2)

ORDERING INFORMATION

AVAILABLE COLORS: White

Custom sizes up to 100' x 200' and custom fabrication are avaiable to meet your exact specifications.

USABLE TEMPERATURE RANGE:

Minimum:	-40˚F	-40˚C
Maximum:	170˚F	77˚C

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MADE IN U. S. A.

REEF INDUSTRIES, INC.
9209 Almeda Genoa Rd. • Houston, Texas 77075
P: 713.507.4251 • F: 713.507.4295
E-mail: ri@reefindustries.com • www.reefindustries.com

TOLLFREE 1.800.231.6074

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GRIFFOLYN®
FAB TAPE™

TECHNICAL DATA SHEET

DESCRIPTION

Fab Tape™ is a double sided butyl rubber tape. It is available in black.

PHYSICAL PROPERTIES AND TYPICAL VALUES

PROPERTY	U.S. VALUE	METRIC VALUE
Thickness	35 Mils	.9 MM
Width	1.5 In.	38 MM
Roll Length	100 Ft.	30.5 M
Roll Weight	3.75 LBS	1.7 KG
Specific Gravity	1.4	1.4
Solubility in Water	Insoluble	Insoluble
T-55 Black 3" Peel	19 LBS	84.5 N
TX-1200 Black 3" Shear	31 LBS	138 N
Temperature for Testing Above	50° - 95° F	10° - 35° C

INSTALLATION

The surface to be taped should be clean and dry. The tape will not adhere if the surfaces are not properly prepared. Dirty or wet surfaces should be completely cleaned with water, paper towels, dry rags or other materials which will prepare the surface for the tape. Accumulations of dust should also be removed to insure a secure seam.

The product obtains optimum adhesion when the surfaces to be bonded are warm. The surfaces should be above 50-60°F to insure an acceptable bond. In order to obtain a bond at lower temperatures, external heat may be required. The use of an industrial style hot air blower is one recommended method. Extra care should be taken when attempting to install tape at temperatures below 32°F.

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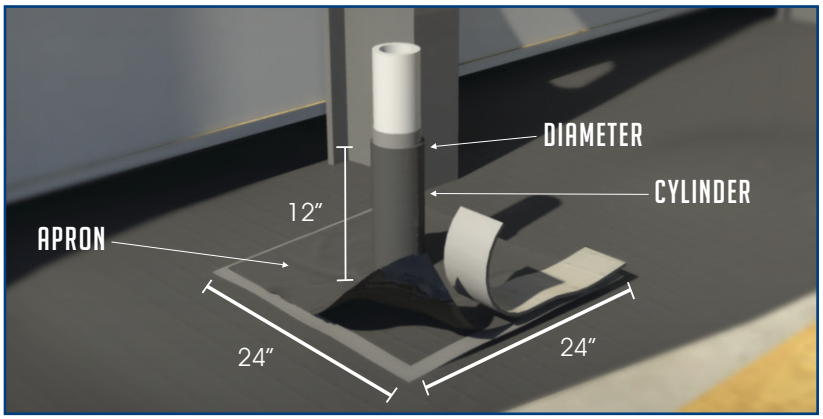
GRIFFOLYN®
PIPEBOOT

REEF INDUSTRIES, INC.

TECHNICAL DATA SHEET

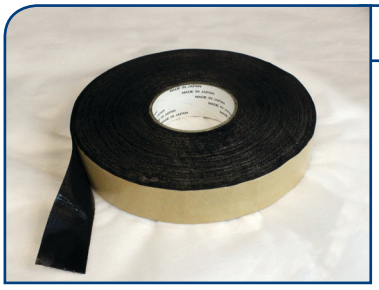


DESCRIPTION

This accessory is typically fabricated with a cylindrical sleeve welded to a flat flange. Standard uses are for placement over pipe penetrations on a vapor retarders. Pipeboots can be fabricated in a variety of diameters or custom made to fit around rectangular columns.

Pipeboot installation requires Fab Tape™

PART No.	LAYFLAT	DIAMETER	PIPE RANGE	APRON
60-0075	5″	3″	1/2″ to 2-1/2″	24″ x 24″
60-0076	8″	5″	2-1/2″ to 4-1/2″	24″ x 24″
60-0116	14″	8″	4-1/2″ to 8″	24″ x 24″



ACCESSORIES

FAB TAPE™

This tape is a double-sided, reinforced black butyl tape for splicing applications. Ideal for applications where a seal is required between overlapping panels of material. Fab Tape™ comes with a release liner.

Rolls are 1.5″ wide × 100′ in length.

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Installation Instructions Griffolyn® Under Slab Vapor Retarders

Note: These installation instructions need to be read completely before beginning any installation of the Griffolyn® System to ensure effective/proper methods of installation are used.
The Griffolyn® System includes Griffolyn® vapor retarder material, Fab Tape, (an asphaltic mastic), and pipeboots. (Installation instructions for Griffolyn® Type 65G and R30G are covered in a separate sheet.)

1. Prior to the placement of the reinforcing steel and the pouring of concrete, ensure the subgrade beneath the vapor retarder is smooth, level and compacted. The Griffolyn® vapor retarders can be installed over sand, smooth aggregate or a tamped earth base. If a Griffolyn® vapor retarder is to be placed over coarse granular fill, a thin layer of approximately 1" of fine graded material should be rolled or compacted over the fill prior to installing the vapor retarder.

2. Install Griffolyn® continuously at locations under slab as indicated on the drawings. Ensure there are no discontinuities in the Griffolyn at seams and penetrations. Griffolyn® is rolled out in the widest practical widths (minimum 20' wide) parallel to the direction of the concrete pour, totally covering the future slab site. Allow sufficient material along perimeter walls to cover wall areas up to top of slab elevations.

3. All joints/seams shall be overlapped six inches. To seal the joint/overlapped area, fold the Griffolyn® top section back and apply the Fab Tape 4 inches (100 mm) back and parallel to the edge of the bottom section (See drawing.) Smooth out any folds or wrinkles in the vapor retarder while applying the tape. Remove the release paper starting at one end of the taped section and firmly press the top section to the bottom while maintaining even tension to avoid gaps, which could cause leaks. Allow adequate time for complete bonding before subjecting the seam to substantial stress.

4. Seal around pipes and other penetrations in the vapor retarder using Griffolyn® Pipe Boots. Attach Fab Tape around the bottom perimeter of the pipe boot flange ensuring the ends of the tape overlap slightly. Remove one section of the release paper. Lower the boot over the penetration and press the exposed tape firmly to the vapor retarder material. Remove the remaining release paper and secure the remainder of the flange.

Lower the tube section of the pipe boot and wrap the Fab Tape around the pipe. Place the tape to allow some slack when the boot is raised above the tape. Remove release paper. Raise the tube section and secure over tape. Secure the pipe boot tube in place with clamp or tie down over the Fab Tape. (See pipe boot installation details)

5. Holes and tears that occur during or after installation must be repaired before concrete slab placement. Cut a rectangular Griffolyn® piece 6 -12 inches larger than the area to be repaired. Attach Fab Tape around the perimeter of the patch, ensuring the ends of the Fab Tape overlap. Remove the release paper from the Fab Tape. Firmly press the patch material to the Griffolyn® vapor retarder maintaining even tension to avoid gaps.

6. Lap Griffolyn® vapor retarder up vertical walls to an elevation equal to the top slab surface and on top of footings. Secure vapor retarder to the wall using two rows of Fab Tape (See Drawing.) Important: For all joints/seams, pipe boot installations or repairs both Griffolyn® surfaces should be clean and dry, free of moisture dirt and dust to ensure optimal bonding and sealing. If the air temperature drops below 40 degrees F (4 degrees C) measures must be taken to ensure the seamed area/tape provides an effective seal.

Critical: All ponded water from rainfall, washing operations, etc, should be removed from on top of the vapor retarder prior to placement of the concrete.

Jan-2013

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GRIFFOLYN®

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www.griffolyn.com

Fab Tape™ Seams

Fab Tape™ is an asphaltic mastic which creates a durable field seam between multiple sections and for sealing around penetrations in a vapor retarder. Proper installation is imperative to ensure optimal bonding and sealing.

Both Griffolyn® surfaces must be clean and dry. On a dirty surface, the tape will adhere to the sand and dust instead of the Griffolyn® vapor retarder. If the surface is wet, pockets of moisture are created which can thermally contract and expand sufficiently to degrade adhesion and destroy the seal.

Warm temperatures will promote better initial adhesion. Fab Tape™ will reach maximum bond strength in about 24 hours in a warm environment. Ambient temperatures of less that 60ºF will extend the time required for bonding unless additional heat sources are applied.

Proper grading of the substrate beneath the vapor retarder is essential for optimal sealing. A rough, rutted and/or lumpy subgrade can cause wrinkles and gaps in the seam area which make it difficult to achieve an effective bond.

To begin installation, lay both sheets over a smooth subgrade with a 6” overlap. Fold the top section back and apply the Fab Tape™ 4” back and parallel to the edge of the bottom section. Smooth out any gaps or voids while applying the tape.

Remove the release paper and firmly press the top section to the bottom while maintaining even tension on the material to avoid gaps which could cause leaks.

Allow adequate time for complete bonding before subjecting the joint to substantial stress.

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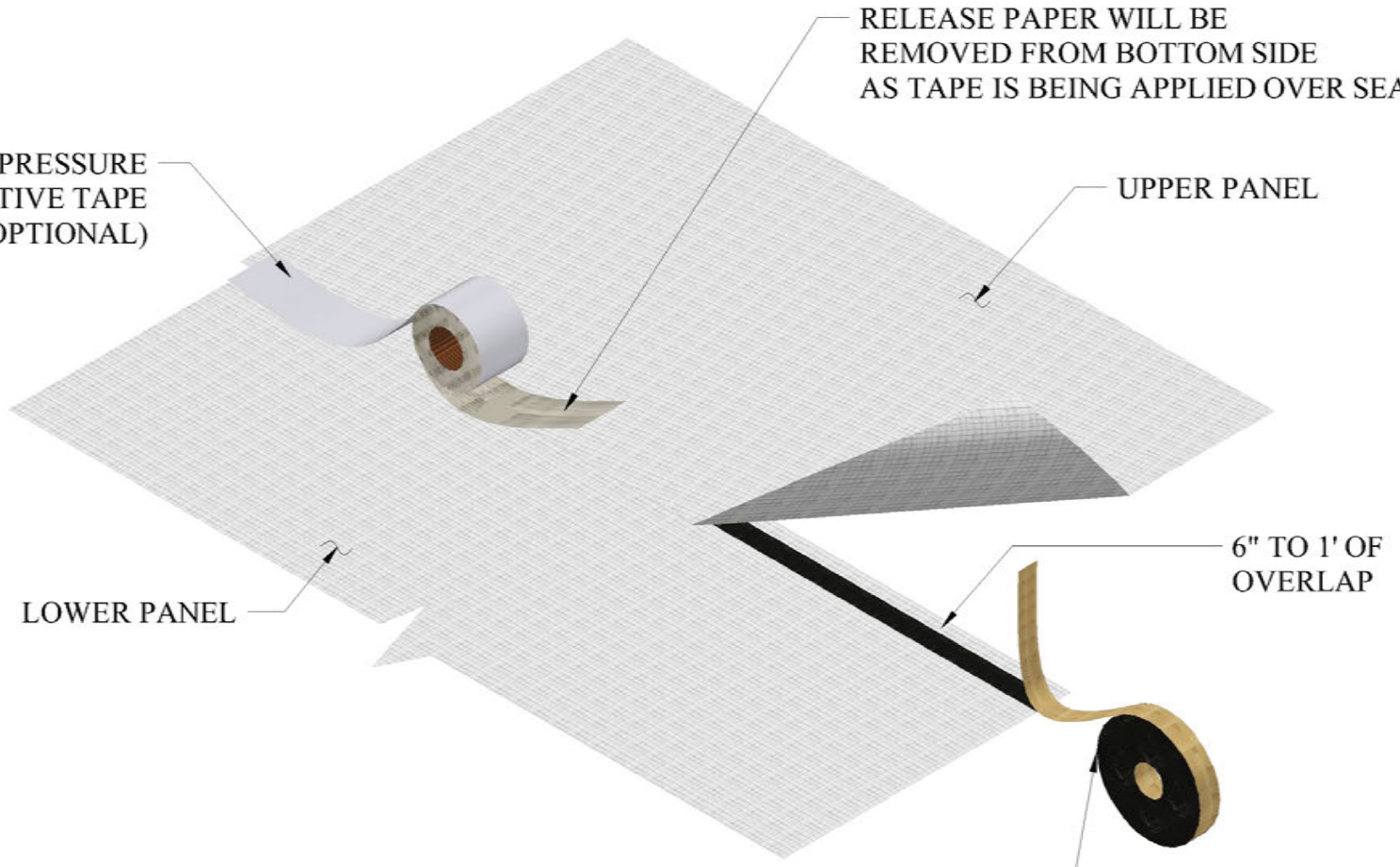
FAB TAPE
SEAM



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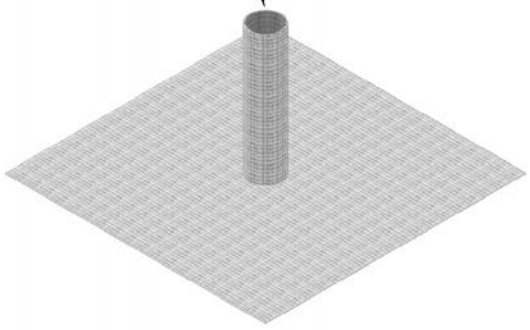
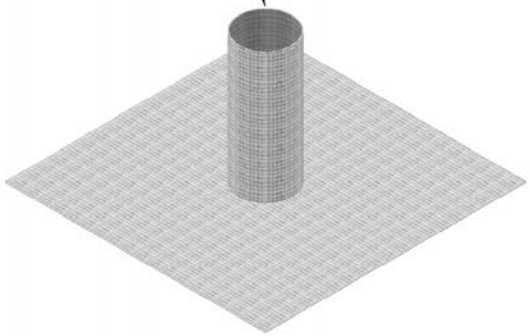
STOCK PIPEBOOTS
GRIFFOLYN

3" DIA O.D. PIPE
MAXIMUM



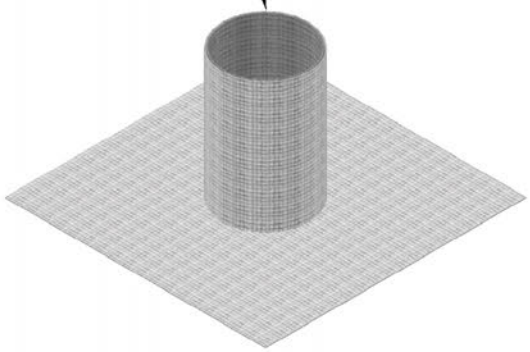
REEF INDUSTRIES PART NO: 60-0075
PIPEBOOTS ARE MADE FROM GRIFFOLYN
MATERIAL. THE 5" LAYFLAT (3" DIA)
PIPEBOOT IS DESIGNED TO FIT PIPES
RANGING FROM ½" TO 2-½" IN DIAMETER
INCLUDES 24" X 24" APRON

5" DIA O.D. PIPE
MAXIMUM



REEF INDUSTRIES PART NO: 60-0076
PIPEBOOTS ARE MADE FROM GRIFFOLYN
MATERIAL. THE 8" LAYFLAT (5" DIA)
PIPEBOOT IS DESIGNED TO FIT PIPES
RANGING FROM 2-½" TO 4-½" IN DIAMETER
INCLUDES 24" X 24" APRON

8" DIA O.D. PIPE
MAXIMUM



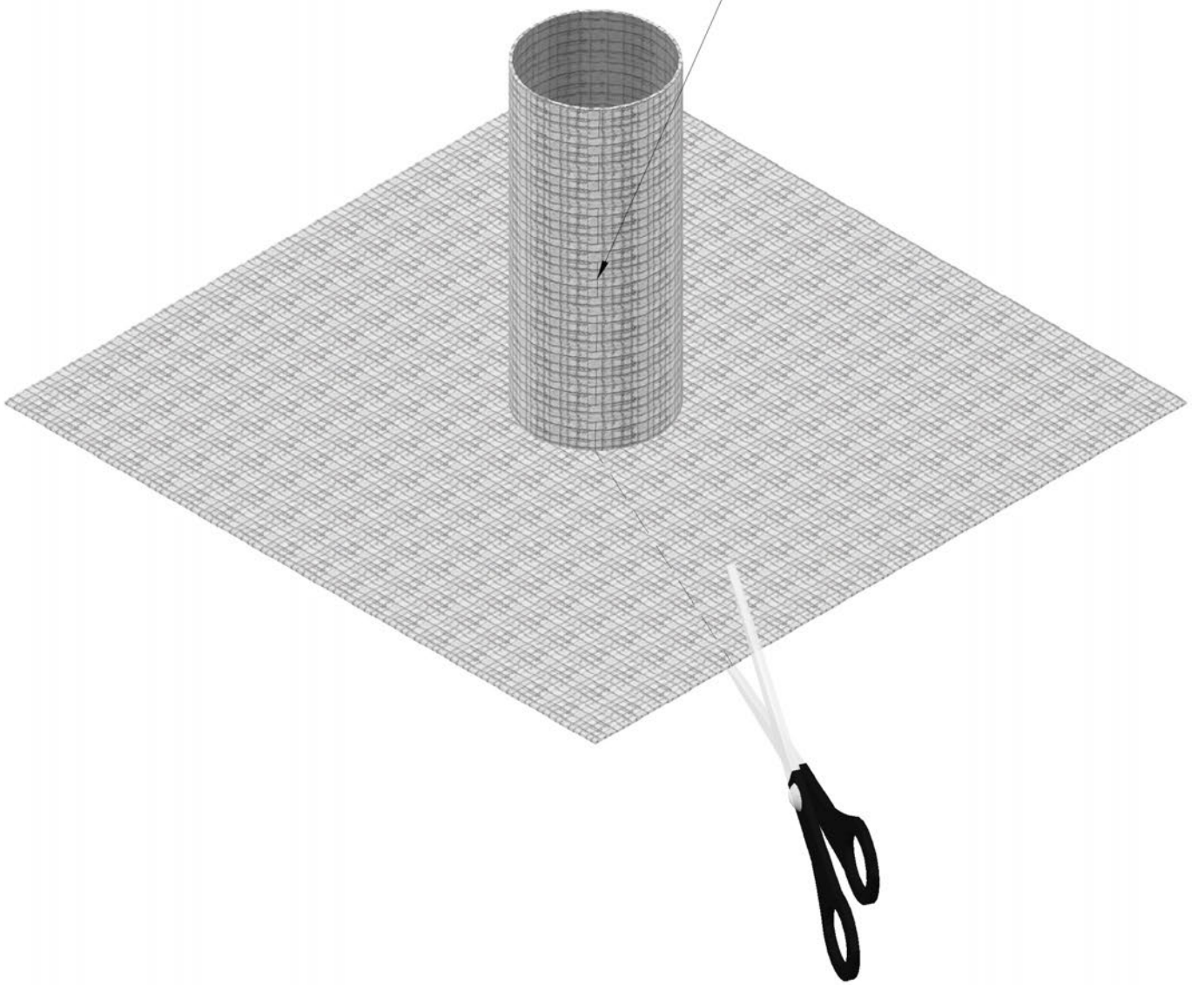
REEF INDUSTRIES PART NO: 60-0116
PIPEBOOTS ARE MADE FROM GRIFFOLYN
MATERIAL. THE 14" LAYFLAT (8" DIA)
PIPEBOOT IS DESIGNED TO FIT PIPES
RANGING FROM 4-½" TO 8" IN DIAMETER
INCLUDES 24" X 24" APRON

NOTE: This document provides information related to the installation of "pipeboots" and it's components. This document does not attempt to address all aspects of an installation for all application. The information presented is general information in order to familiarize the individual with the overall scope of the project.

REEF
INDUSTRIES, INC.

CUSTOM PIPEBOOT INSTALLATION

DWG 1 OF 3



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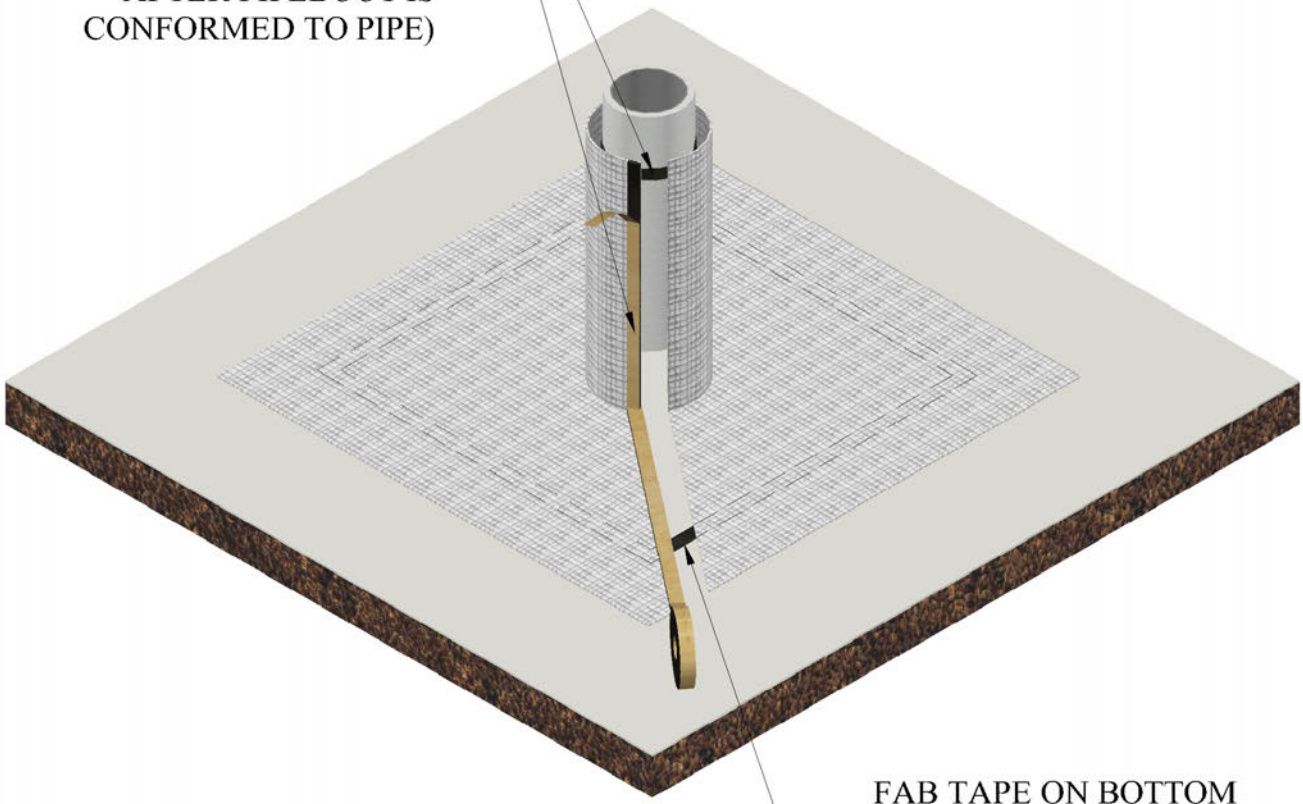
CUSTOM PIPEBOOT INSTALLATION

DWG 2 OF 3

STEP 2
APPLY DOUBLE SIDED FAB TAPE ALONG CUT EDGE AND AROUND PIPE BELOW THE TOP EDGE OF PIPEBOOT (REMOVE RELEASE PAPER AFTER PIPEBOOT IS CONFORMED TO PIPE)



FAB TAPE ON BOTTOM EDGE BETWEEN VAPOR RETARDER AND PIPEBOOT (REMOVE RELEASE PAPER AFTER PIPEBOOT IS CONFORMED TO PIPE)

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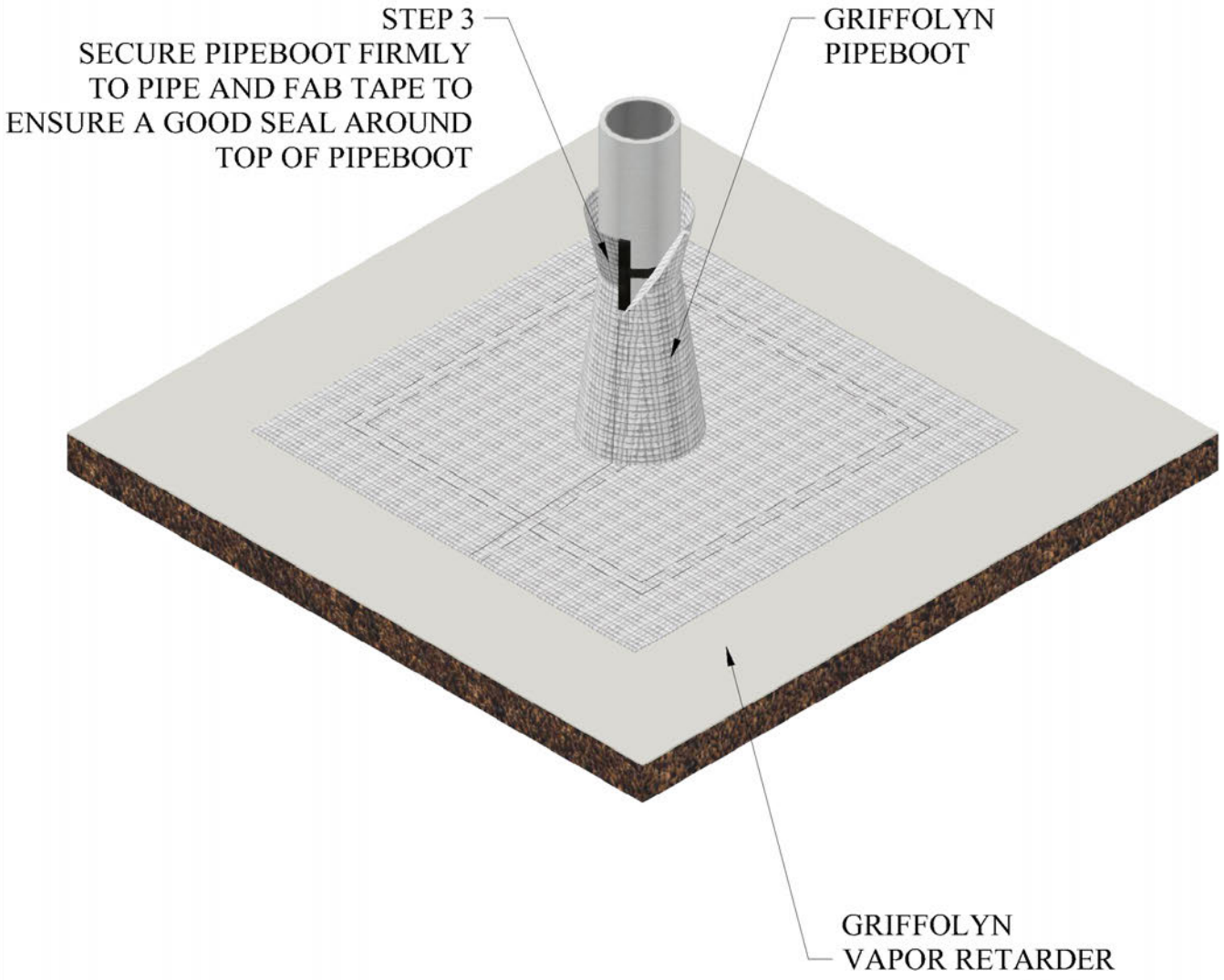
CUSTOM PIPEBOOT INSTALLATION

DWG 3 OF 3



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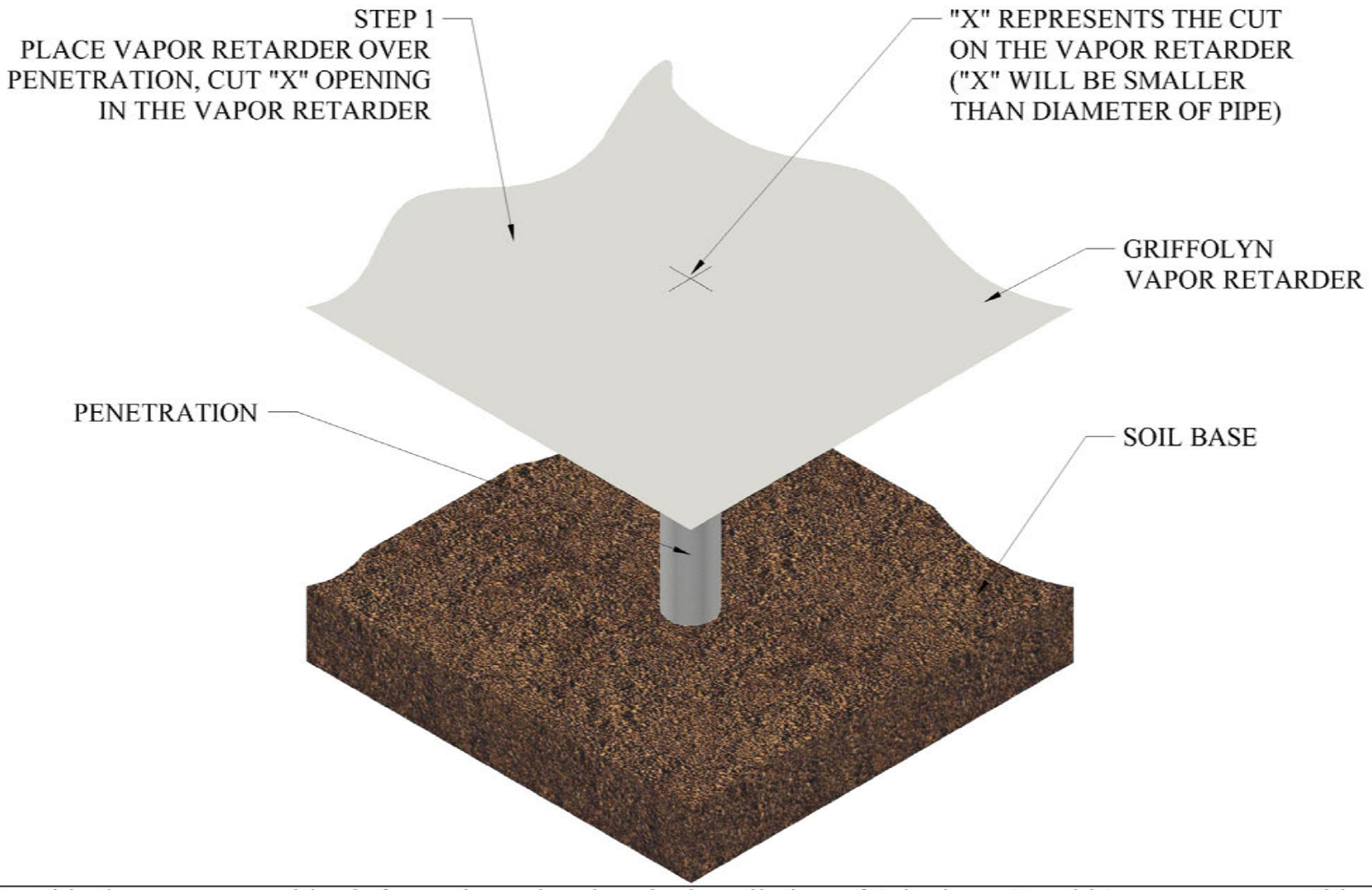
STANDARD PIPEBOOT INSTALLATION

DWG 1 OF 4



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INDUSTRIES, INC.

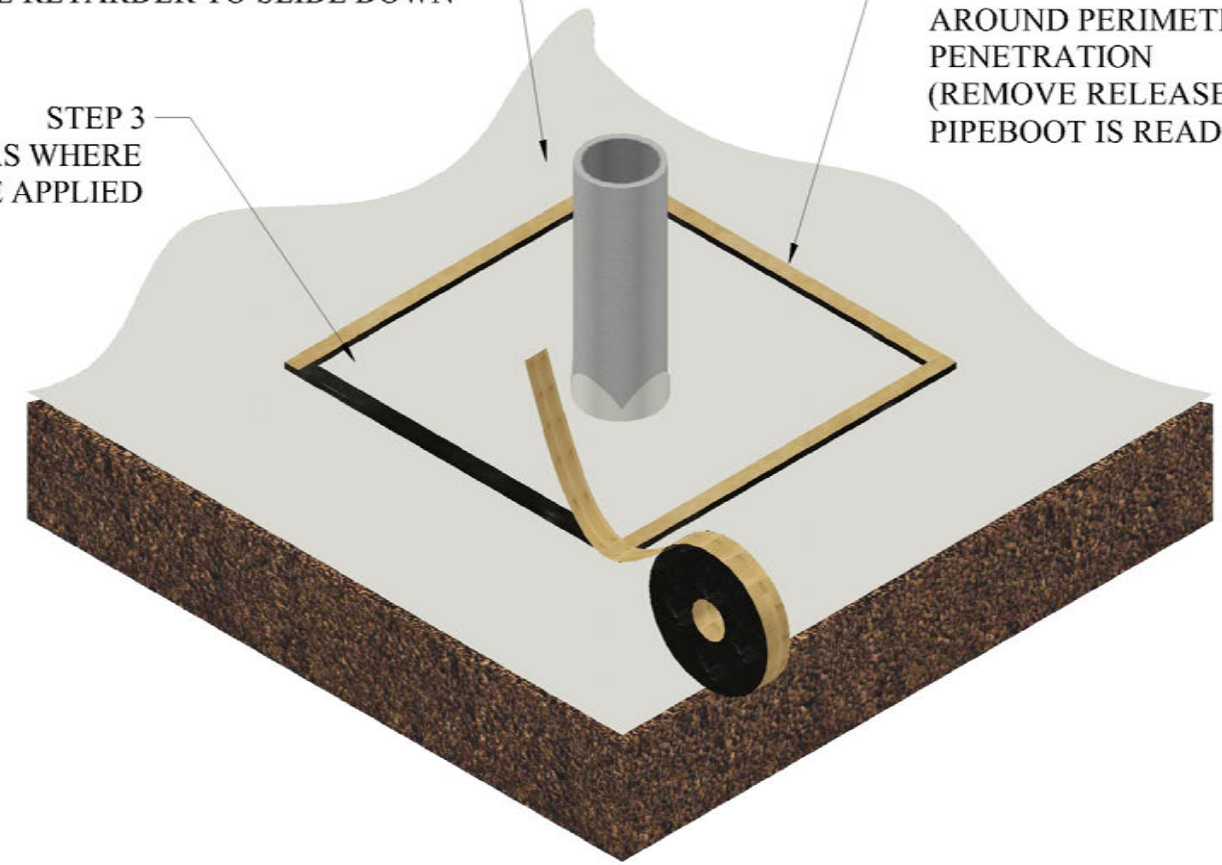
STANDARD PIPEBOOT INSTALLATION

DWG 2 OF 4

STEP 2
PUSH VAPOR RETARDER
OVER PENETRATION ALLOWING
THE RETARDER TO SLIDE DOWN

STEP 3
CLEAN ALL AREAS WHERE
FAB TAPE WILL BE APPLIED

STEP 4
APPLY DOUBLE SIDED FAB TAPE
AROUND PERIMETER OF PIPE
PENETRATION
(REMOVE RELEASE PAPER WHEN
PIPEBOOT IS READY TO BE APPLIED)



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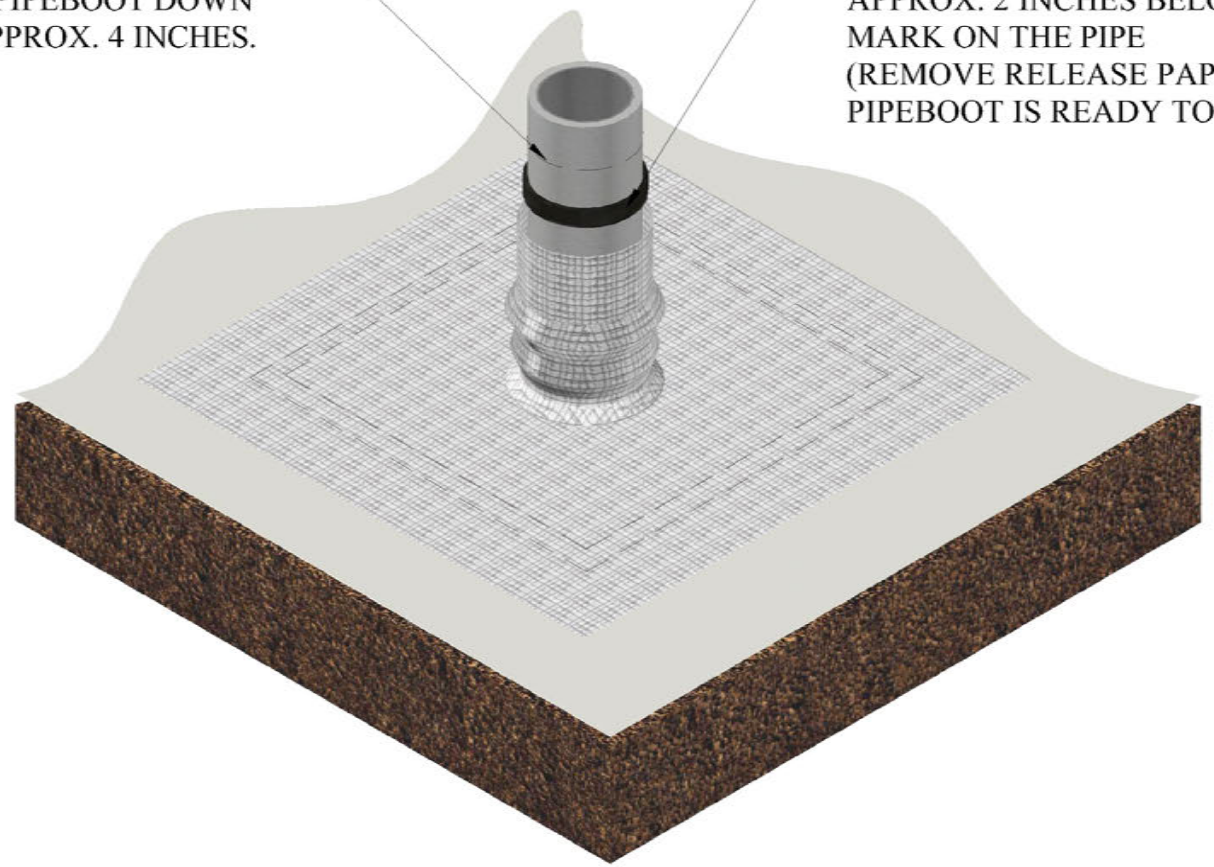
STANDARD PIPEBOOT INSTALLATION

DWG 3 OF 4

STEP 5
MARK TOP EDGE WHERE PIPEBOOT ENDS AND SLIDE PIPEBOOT DOWN APPROX. 4 INCHES.

STEP 6
APPLY DOUBLE SIDED FAB TAPE APPROX. 2 INCHES BELOW THE MARK ON THE PIPE
(REMOVE RELEASE PAPER WHEN PIPEBOOT IS READY TO BE ATTACHED)



NOTE: This document provides information related to the installation of "pipeboots" and it's components. This document does not attempt to address all aspects of an installation for all application. The information presented is general information in order to familiarize the individual with the overall scope of the project.

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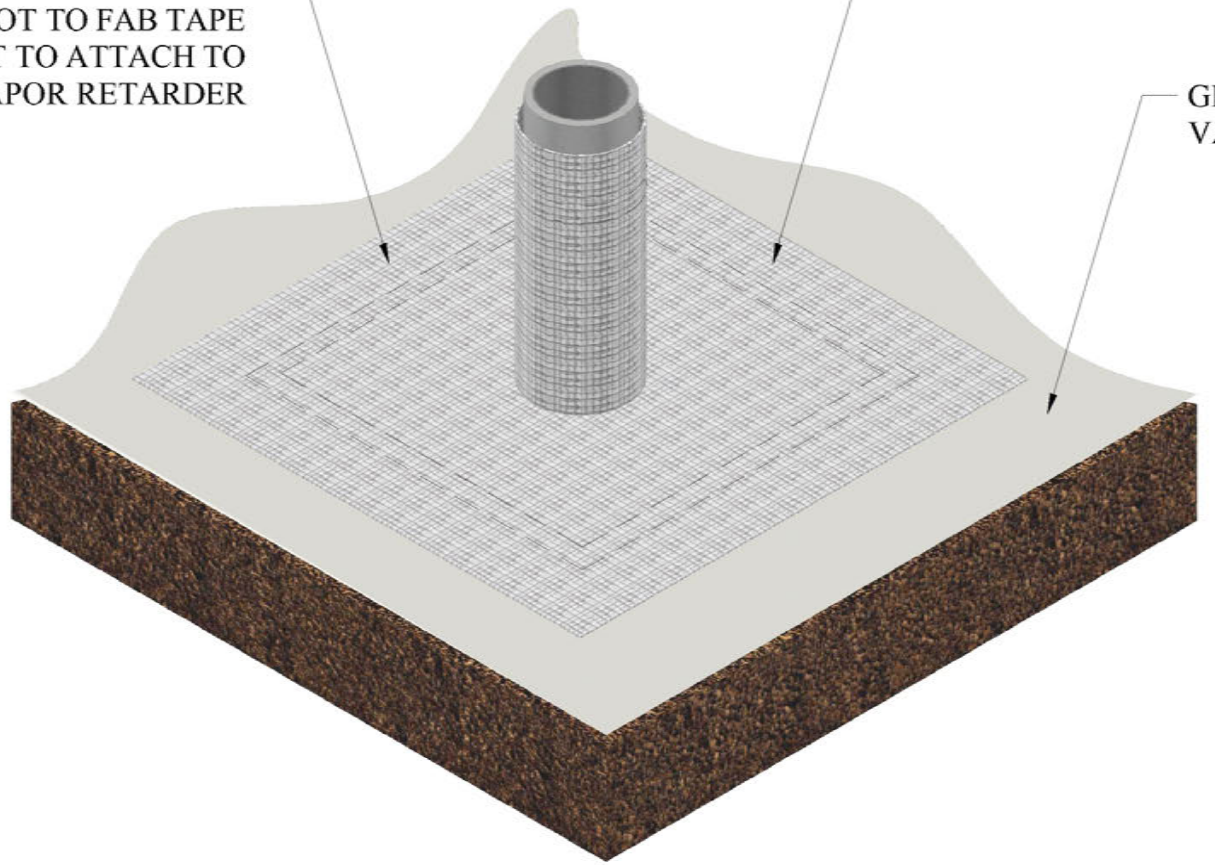
STANDARD PIPEBOOT INSTALLATION

DWG 4 OF 4

STEP 7
PLACE PIPEBOOT OVER PENETRATION AND SECURE PIPEBOOT TO FAB TAPE ALLOWING PIPEBOOT TO ATTACH TO THE VAPOR RETARDER

GRIFFOLYN PIPEBOOT

GRIFFOLYN VAPOR RETARDER



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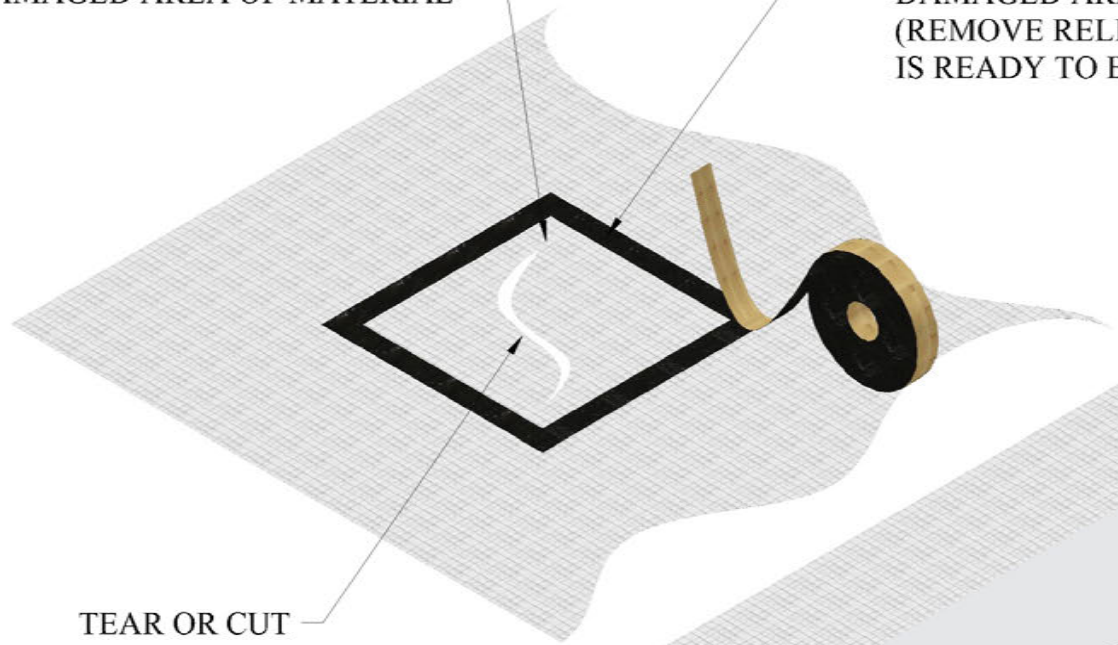
GRIFFOLYN
REPAIR

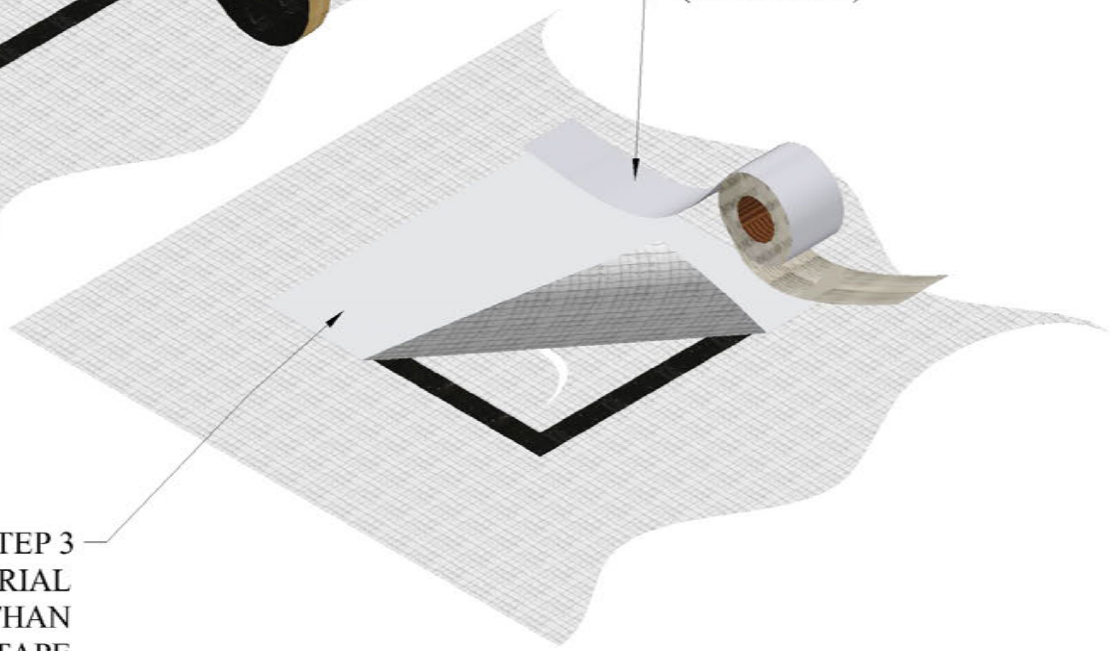
STEP 1
CLEAN A 1 - 2 FOOT AREA
AROUND ALL SIDES OF
DAMAGED AREA OF MATERIAL

STEP 2
APPLY A CONTINUOUS STRIP OF DOUBLE SIDED
BLACK FAB TAPE/CLEAR BONDING TAPE AROUND
DAMAGED AREA
(REMOVE RELEASE PAPER WHEN PATCH MATERIAL
IS READY TO BE APPLIED)



TEAR OR CUT

4" PRESSURE SENSITIVE TAPE
(OPTIONAL)



STEP 3
CUT PATCH MATERIAL
2 - 3 INCHES LARGER THAN
OUTER EDGE OF FAB TAPE

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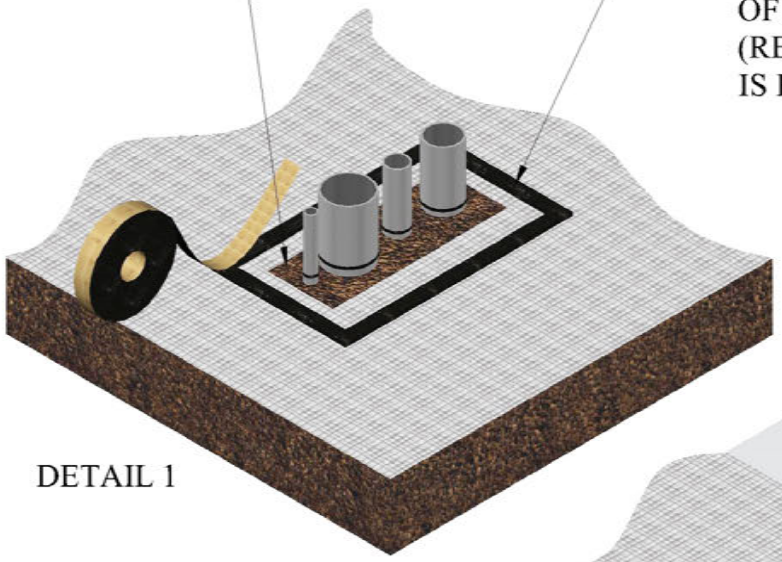
INDUSTRIES, INC.

PIPE CLUSTER
GRIFFOLYN REPAIR

STEP 1
VAPOR RETARDER WILL BE CUT
AROUND CLUSTER TO ALLOW PIPES
TO PASS THROUGH LINER

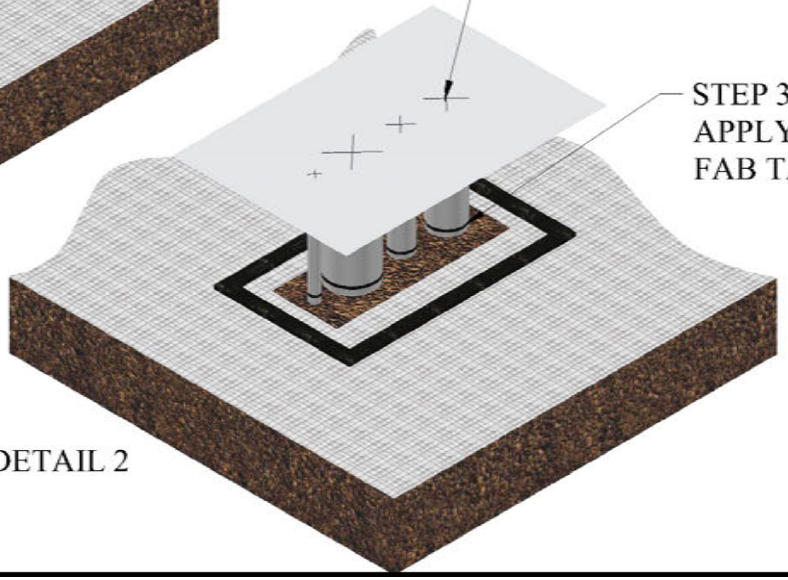
STEP 2
DOUBLE SIDED BONDING/FAB TAPE WILL
BE APPLIED AROUND ENTIRE PERIMETER
OF PIPE CLUSTER
(REMOVE RELEASE PAPER WHEN MATERIAL
IS READY TO BE APPLIED)



DETAIL 1

"X" REPRESENTS A SLIT
ON THE PATCH MATERIAL
("X" WILL BE SMALLER
THAN DIAMETER OF PIPE)

STEP 3
APPLY DOUBLE SIDED BONDING/
FAB TAPE AROUND BASE OF PIPE



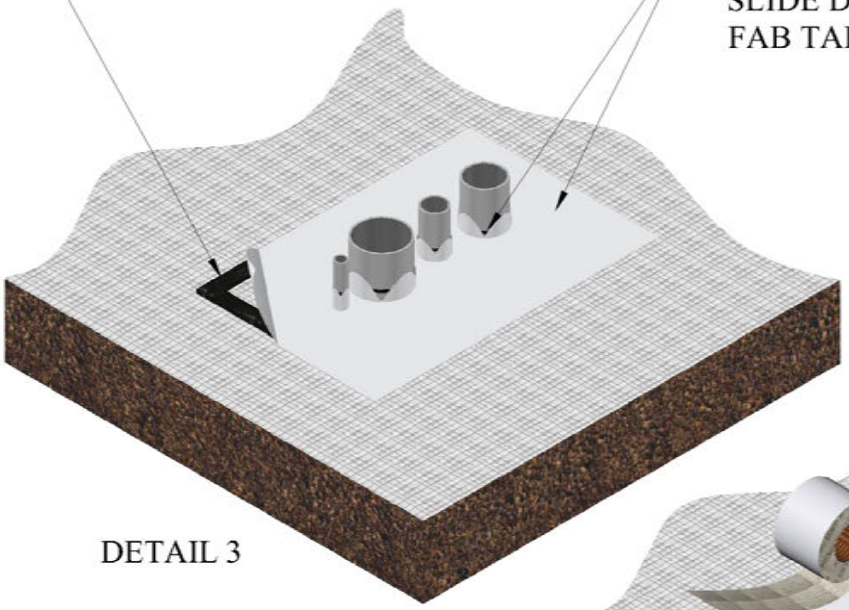
DETAIL 2

REEF
INDUSTRIES, INC.

PIPE CLUSTER
GRIFFOLYN REPAIR

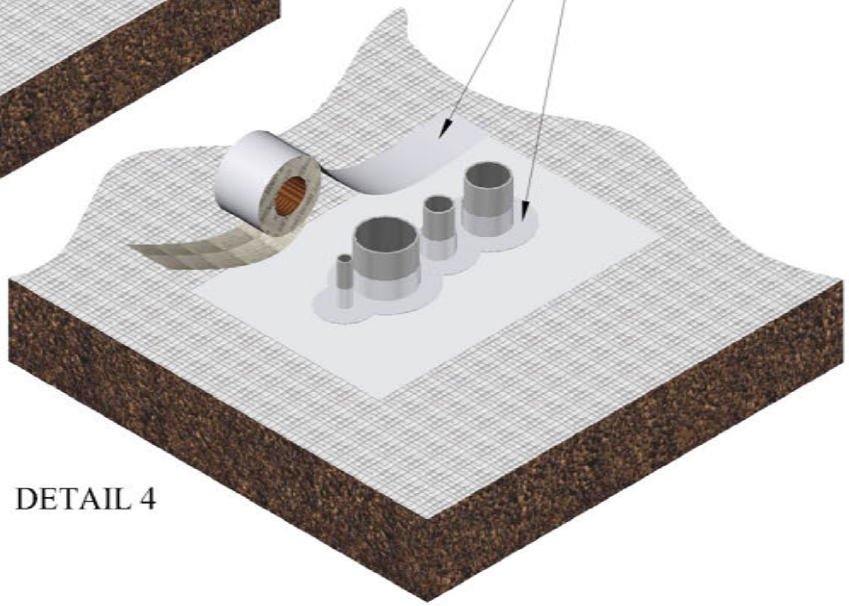
DOUBLE SIDED
BONDING/FAB TAPE

STEP 4
PUSH PATCH MATERIAL OVER PIPES ALLOWING MATERIAL TO SLIDE DOWN AND SECURE AGAINST LINER. ADHERE BONDING/ FAB TAPE TO MATERIAL ENSURING ALL OPENINGS ARE SEALED



DETAIL 3

STEP 5
4" PRESSURE SENSITIVE TAPE WILL BE APPLIED ALONG ALL EDGES OF MATERIAL



DETAIL 4

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATIONS AND OF THE COMPANY UNDERTAKING

Product Name: Griffolyn® 20 Mil Reinforced
Product Description: Reinforced Flexible Plastic Sheeting
Manufacturer/Supplier: Reef Industries Inc. 9209 Almeda Genoa Road Houston, TX 77075
Phone Number: (800) 231-6074 (Monday – Friday 8:00 am to 5:00 pm)
24 Hr Number: 713 507-4349
Revision Date: 17 October 2014
MSDS Date: 28 March 2013

Safety Data Sheet according to OSHA's Hazcom Standard (29 CFR 1910.1200)

2. HAZARDS IDENTIFICATION

Emergency Overview Plastic films with polyester reinforced. Not considered Hazardous

Potential Health Effects

Eyes: May cause irritation if exposed to fumes from burning material

Skin: No adverse affects to skin under normal ambient conditions. If heated to elevated temperatures, contact may cause thermal burns.

Ingestion: Not likely to be ingested inpresent form. Very low toxicity if particles are swallowed, may cause choking.

Inhalation: Vapors/fumes released during high heat or burning of product may cause respiratory irritation. Should not breathe fumes if this occurs. Product is not intended for high heat applications, product cannot be inhaled in solid state at ambient temperature.

Acute Health Hazards: None. Does not apply.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Polyethylene/polyolefin films with Polyester fibers

Component Name	**CAS#/Codes**
Linear Low Density Polyethylene	25087-34-7
Low Density Polyethylene	24937-78-8
Polyester continuous filament	N/A

4. FIRST AID MEASURES

Eyes

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

Skin

If molten material comes in contact with skin, cool under ice water or running stream of water. Do not attempt to remove the material from the skin as this may result in severe tissue damage. Seek medical attention immediately.

Ingestion

If swallowed seek medical attention. May cause gastrointestinal blockage. Obtain medical attention immediately.

Inhalation

Remove person to fresh air if fumes are inhaled from burning product. Seek medical attention if symptoms persist.

Advice to Physicians

Treat symptomatically.

5. FIRE -FIGHTING MEASURES

Flammable limits in Air, (% By Volume) **UPPER: Not Applicable** **LOWER: Not applicable**

Flash Point: Not Available

Autoignition Temperature: Not Available

Extinguishing Media: Water spray, carbon dioxide and dry chemical.

Unusual Fire and Explosion Hazard: Hydrocarbon oxidation products including CO and CO2 can be formed during combustion.

Hazardous Decomposition Products: Not Applicable.

6. ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURE: Not Applicable.

7. HANDLING AND STORAGE

Use safe handling practices to avoid physical Injury

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Not applicable

Ventilation: Not Applicable

Respiratory Protection: Not applicable

Eye Protection: Not applicable

Skin Protection: Not applicable

Exposure Guidelines: Not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Polyethylene films with multifilament reinforcement.
Color: Black
Odor: typical polyethylene odor
PH: Not applicable

Specific Gravity: .895 - .965

Boiling Range/Point (°C/F): Not applicable
Melting Point (°C/F): 90-135 **°C**
Flash Point (PMCC) (°C/F): Not known
Vapor Pressure: Not applicable
Vapor Density: (Air=1) Not applicable
Solubility in Water: Nil, Insoluble

10. STABILITY AND REACTIVITY

Stability
Stable under normal conditions.
Conditions to Avoid
-Heat -High temperatures
Materials to Avoid
None known
Hazardous Decomposition Products
Hydrocarbon oxidation products – oxides of carbon – hydrocarbons – aldehydes – oligomers– smoke – acrid fumes.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: No information available.

12. ECOLOGICAL INFORMATION

Ecological Information: Not Applicable.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

DOT CFR 172.101 Data
Transportation (IATA)
Not Regulated

15. REGULATORY INFORMATION

NFPA Ratings

NFPA Code for Flammability -1
NFPA Code for Health -0
NFPA Code for Reactivity -0
NFPA Code for Special Hazards – 0

WHMIS Class: Not Regulated – Manufactured Article

16. OTHER INFORMATION

Abbreviations

N/A: Denotes no applicable information found or available
CAS#: Chemical Abstracts Service Number
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer

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REEF INDUSTRIES INC
SAFETY DATA SHEET
GRIFFOLYN® FAB TAPE™

1. IDENTIFICATION

Product Name: Griffolyn® Fab Tape™
Product Description: Double sided black butyl tape with reinforcement
Manufacturer/Supplier: Reef Industries Inc. 9209 Almeda Genoa Road Houston, TX 77075
Phone Number: (800) 231-6074 (Monday – Friday 8:00 am to 5:00 pm)
24 Hr Number: 713 507-4349
Revision Date: 29 July 2014
MSDS Date: 1 April 2013
Safety Data Sheet according to OSHA's Hazcom Standard (29 CFR 1910.1200)

2. HAZARDS IDENTIFICATION

Emergency Overview Butyl adhesive with polyester reinforcement.

Potential Health Effects

Eyes: May cause irritation if exposed to fumes from burning material

Skin: No adverse affects to skin under normal ambient conditions. If heated to elevated temperatures, contact may cause thermal burns.

Ingestion: Not likely to be ingested in present form. Low toxicity if particles are swallowed, may cause choking.

Inhalation: Vapors/fumes released during high heat or burning of product may cause respiratory irritation. Should not breathe fumes if this occurs. Product is not intended for high heat applications, product cannot be inhaled in solid state at ambient temperature. Vapors from adhesive may have an offensive odor that may cause headaches, nausea, and vomiting.

Acute Health Hazards: None. Does not apply.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Double sided butyl adhesive with reinforcing Polyester fibers with a paper backing. Product contains one or more of the following components depending on color.

Component Name	**CAS#/Codes**
Polyester continuous filament	80595-68-2
Butyl Rubber	9060-33-7
Stoddard Solvent	8052-41-3

4. FIRST AID MEASURES

Eyes

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

Skin

If molten material comes in contact with skin, cool under ice water or running stream of water. Do not attempt to remove the material from the skin as this may result in severe tissue damage. Seek medical attention immediately.

Ingestion

If swallowed seek medical attention. May cause gastrointestinal blockage. Obtain medical attention immediately.

Inhalation

Remove person to fresh air if fumes are inhaled from burning product. Seek medical attention if symptoms persist.

Advice to Physicians

Treat symptomatically.

5. FIRE -FIGHTING MEASURES

Flammable limits in Air, (% By Volume) **UPPER: Not Applicable** **LOWER: Not applicable**

Flash Point: 204 C (400 F) adhesive

Autoignition Temperature: Not Available

Extinguishing Media: Water spray, carbon dioxide and dry chemical.

Unusual Fire and Explosion Hazard: Hydrocarbon oxidation products including CO and CO2 can be formed during combustion.

Hazardous Combustion Products: Carbon Dioxide, carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES Not Applicable.

7. HANDLING AND STORAGE

Use safe handling practices to avoid physical Injury

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Not applicable

Ventilation: Not Applicable

Respiratory Protection: Not applicable

Eye Protection: Not applicable

Skin Protection: Not applicable

Exposure Guidelines: Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Flexible black butyl rubber adhesive tape with paper backing.
Color: black
Odor: butyl or oil odor
PH: Not applicable

Specific Gravity: .895 - .965
Boiling Range/Point (°C/F): Not applicable

Melting Point (°C/F): 90-135 **°C**
Flash Point (PMCC) (°C/F): Not known
Vapor Pressure: Not applicable
Vapor Density: (Air=1) Not applicable
Solubility in Water: Nil, Insoluble

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to Avoid

-Heat -High temperatures

Materials to Avoid

None known

Hazardous Decomposition Products

Hydrocarbon oxidation products – oxides of carbon – hydrocarbons – aldehydes – oligomers– smoke – acrid fumes.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: No information available.

12. ECOLOGICAL INFORMATION

Ecological Information: Not Applicable.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

DOT CFR 172.101 Data
Transportation (IATA)
Not Regulated

15. REGULATORY INFORMATION

NFPA Ratings

NFPA Code for Flammability -1
NFPA Code for Health -0
NFPA Code for Reactivity -0
NFPA Code for Special Hazards – 0

WHMIS Class: Not Regulated – Manufactured Article

16. OTHER INFORMATION

Abbreviations

N/A: Denotes no applicable information found or available
CAS#: Chemical Abstracts Service Number
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer

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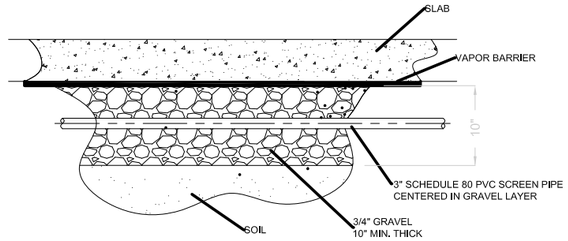
APPENDIX C

SSDS DOCUMENTATION

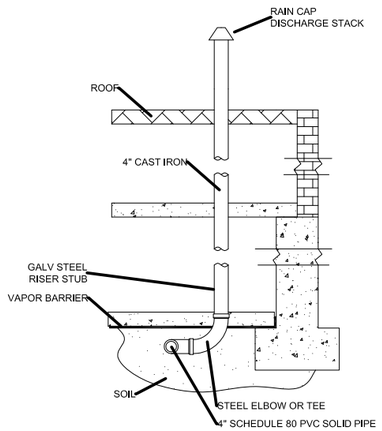
DEPRESSURIZATION SCREEN PIPING DETAIL

N.T.S.



SYSTEM PIPING AND EXHAUST DETAIL
(INSIDE BUILDING)

N.T.S.



Legend

- SCH. 80 Ø 3-INCH PVC SCREEN
- SCH. 80 Ø 4-INCH PVC SOLID PIPE
- STEEL RISER

TITLE: As-Built Plan
Sub-Slab Depressurization System
(Basement Level)

60 W. 177th St. & 92 Tremont Ave.
Bronx, New York

DRAWN BY:	BH
CHECKED BY:	HB
DATE:	1-25-16
SCALE:	1" = 20'

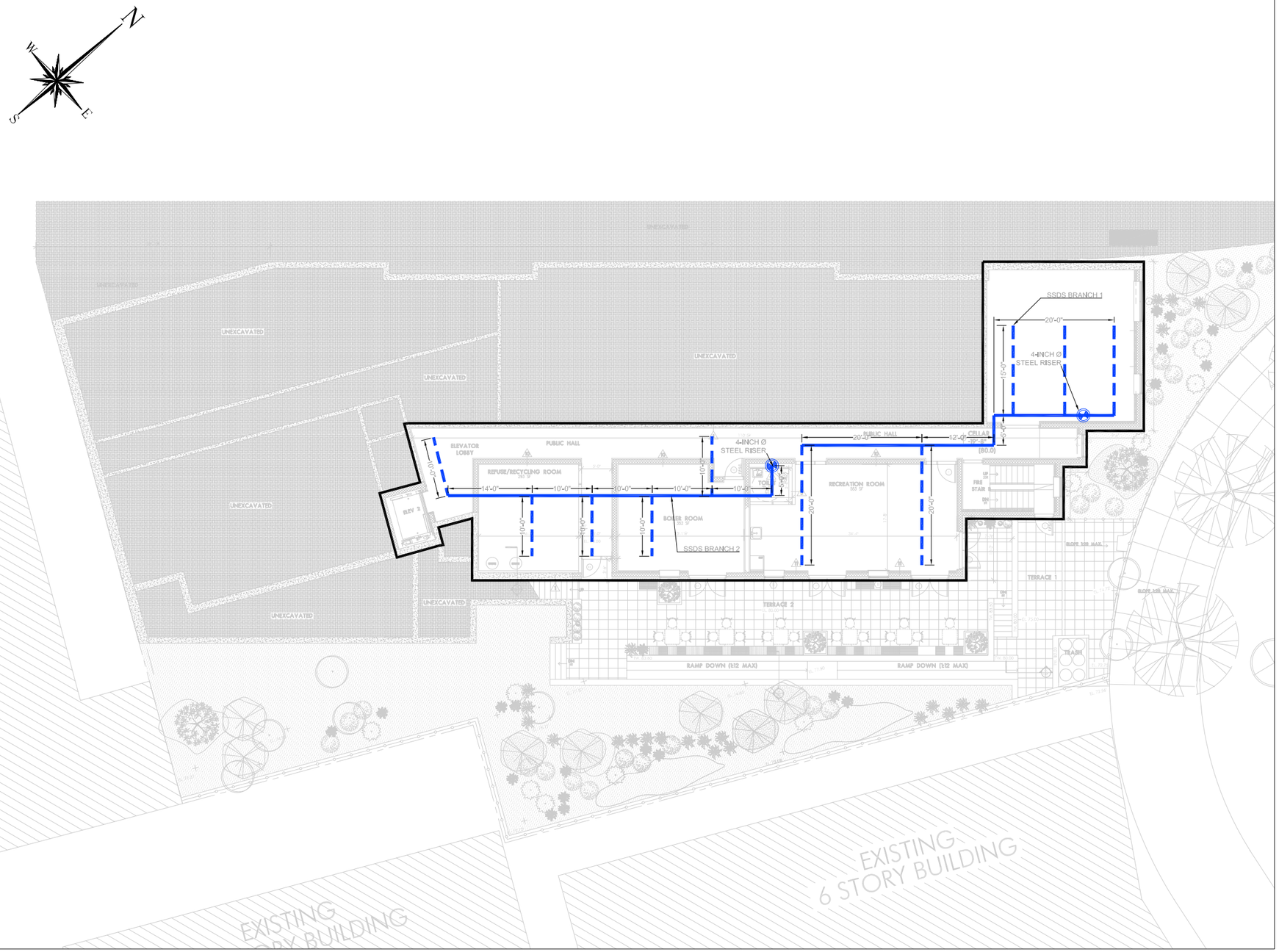
PROJECT # 2166-06-02-2000

SHEET# 1

SSDS layout base plan based on OCV Architects Cellar (A-101.00), Basement (A-102.00) and First Floor Plan (A-103.00) revision date 6.18.13

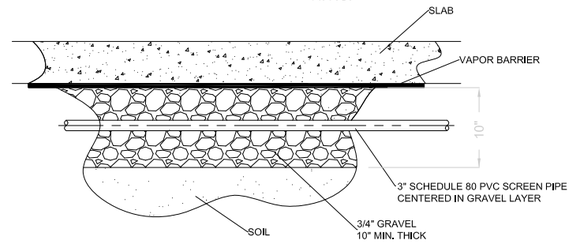
IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

1000 PAGE AVENUE
LYNDHURST, NEW JERSEY 07071



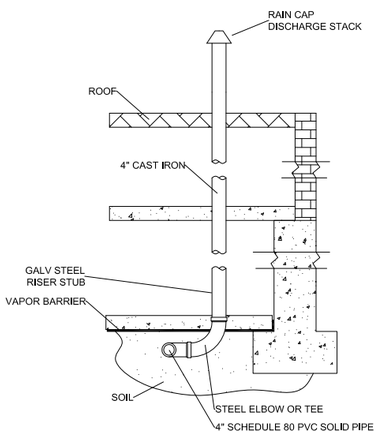
DEPRESSURIZATION SCREEN PIPING DETAIL

N.T.S.



SYSTEM PIPING AND EXHAUST DETAIL
(INSIDE BUILDING)

N.T.S.



Legend

- SCH. 80 Ø 3-INCH PVC SCREEN
- SCH. 80 Ø 4-INCH PVC SOLID PIPE
- STEEL RISER

TITLE: As-Built
Sub-Slab Depressurization System
(Cellar Level)

60 W. 177th St. & 92 Tremont Ave.
Bronx, New York

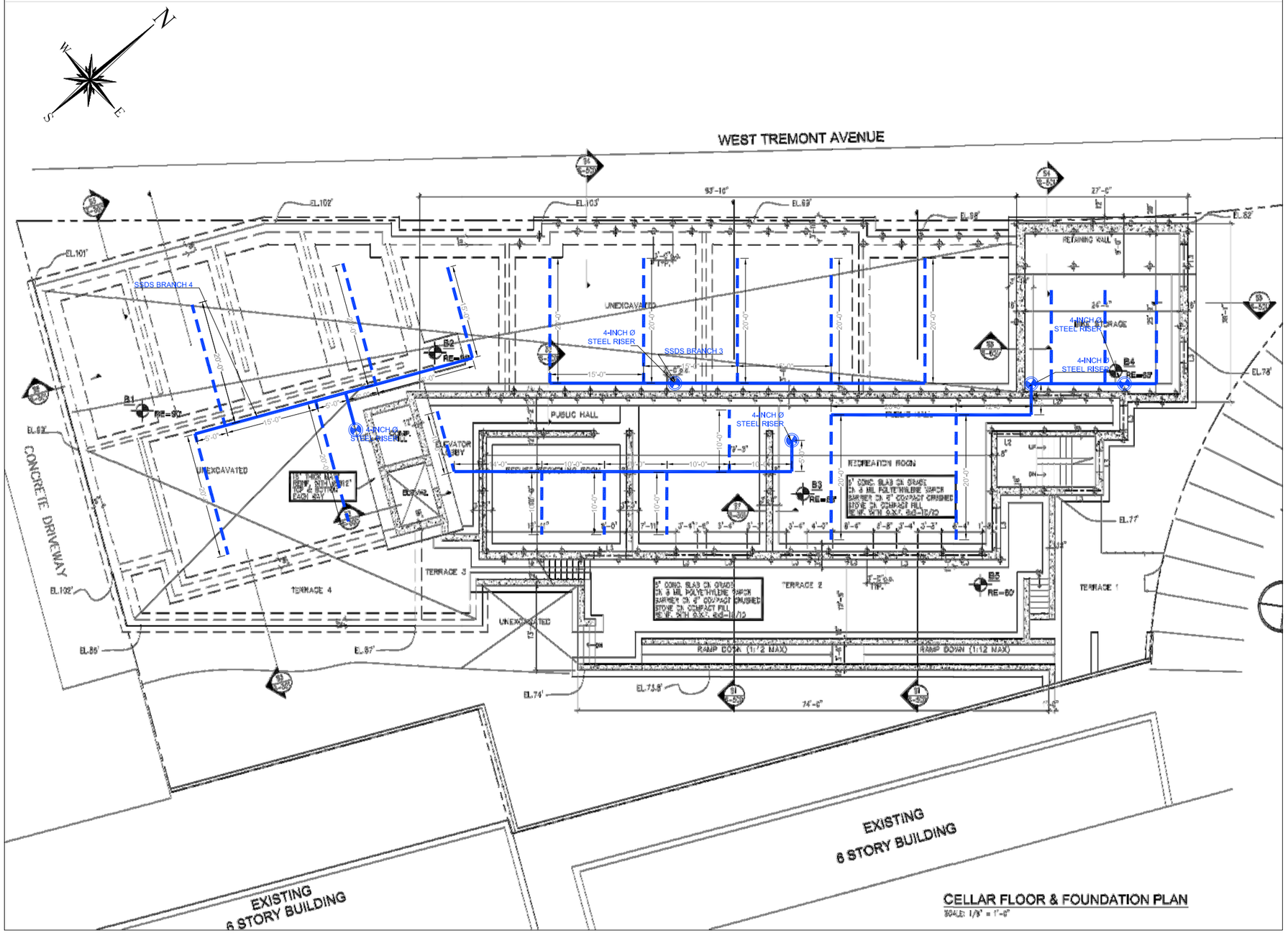
DRAWN BY:	BH
CHECKED BY:	HB
DATE:	1-25-16
SCALE:	1" = 20'

PROJECT #	2166-06-02-2000
PLATE #	2

SSDS layout base plan based on OCV Architects Cellar (A-101.00), Basement (A-102.00) and First Floor Plan (A-103.00) revision date 6.18.13

IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

1000 PAGE AVENUE
LYNDHURST, NEW JERSEY 07071

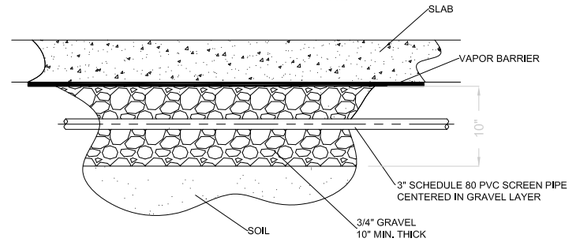


CELLAR FLOOR & FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

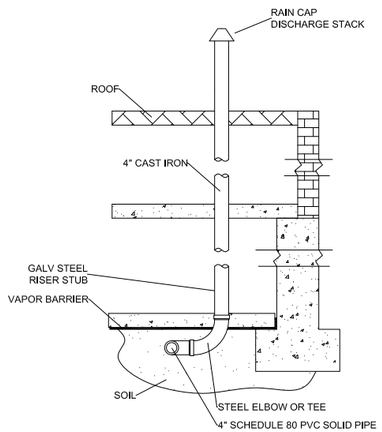
DEPRESSURIZATION SCREEN PIPING DETAIL

N.T.S.



SYSTEM PIPING AND EXHAUST DETAIL (INSIDE BUILDING)

N.T.S.



Legend

- SCH. 80 Ø 3-INCH PVC SCREEN
- SCH. 80 Ø 4-INCH PVC SOLID PIPE
- STEEL RISER

TITLE: As-Built
Sub-Slab Depressurization System
(Foundation Plan Overlay)

60 W. 177th St. & 92 Tremont Ave.
Bronx, New York

DRAWN BY:	BH
CHECKED BY:	HB
DATE:	1-25-16
SCALE:	NTS

PROJECT #	2166-06-02-2000
SHEET#	3

SSDS layout base plan based on OCV Architects Cellar (A-101.00), Basement (A-102.00) and First Floor Plan (A-103.00) revision date 6.18.13

IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

1000 PAGE AVENUE
LYNDHURST, NEW JERSEY 07071

SSDS STARTUP SAMPLING DATA

SSDS Startup Soil Vapor Sample Summary

92 W. Tremont Avenue, Bronx NY

CAS Number	Parameter Name	NYSDOH FINAL SVI GUIDANCE TABLE 3.1 AIR GUIDE LINES	SV-1 (SSDS "Branch 4")	SV-2 (SSDS "Branch 3")	SV-3 (SSDS "Branch 2")
			12/8/2014	12/8/2014	12/8/2014
	Sample ID		*ug/m^3*	*ug/m^3*	*ug/m^3*
71-55-6	1,1,1-Trichloroethane (TCA)	-	ND	ND	ND
79-34-5	1,1,2,2-Tetrachloroethane	-	ND	ND	ND
79-00-5	1,1,2-Trichloroethane	-	ND	ND	ND
76-13-1	1,1,2 Trichloro-1,2,2 Trifluoroethane	-	ND	ND	ND
75-34-3	1,1-Dichloroethane	-	ND	ND	ND
75-35-4	1,1-Dichloroethene	-	ND	ND	ND
95-63-6	1,2,4-Trimethylbenzene	-	ND	5.6	ND
106-93-4	1,2-Dibromoethane	-	ND	ND	ND
95-50-1	1,2-Dichlorobenzene	-	ND	ND	ND
107-06-2	1,2-Dichloroethane	-	ND	ND	ND
78-87-5	1,2-Dichloropropane	-	ND	ND	ND
120-82-1	1,2,4-Trichlorobenzene	-	ND	ND	ND
108-67-8	1,3,5-Trimethylbenzene	-	ND	1.59	ND
541-73-1	1,3-Dichlorobenzene	-	ND	ND	ND
106-99-0	1,3-Butadiene	-	ND	ND	ND
106-46-7	1,4-Dichlorobenzene	-	ND	ND	ND
123-91-1	1,4-Dioxane	-	ND	ND	ND
540-84-1	2,2,4-Trimethylpentane	-	1.06	1.97	1.12
78-93-3	2-Butanone	-	2.83	ND	1.86
591-78-6	2-Hexanone	-	ND	ND	ND
108-10-1	4-Methyl-2-Pentanone	-	ND	ND	ND
107-05-1	3-Chloropropene	-	ND	ND	ND
622-96-8	4-Ethyltoluene	-	ND	1.37	ND
67-64-1	Acetone	-	39.4	3.47	10
71-43-2	Benzene	-	1.41	2.84	0.847
100-44-7	Benzyl chloride	-	ND	ND	ND
75-27-4	Bromodichloromethane	-	ND	ND	ND
75-25-2	Bromoform	-	ND	ND	ND
74-83-9	Bromomethane	-	ND	ND	ND
75-15-0	Carbon Disulfide	-	0.676	2.33	0.71
56-23-5	Carbon Tetrachloride	-	ND	ND	ND

SSDS Startup Soil Vapor Sample Summary

92 W. Tremont Avenue, Bronx NY

CAS Number	Parameter Name	NYSDOH FINAL SVI GUIDANCE TABLE 3.1 AIR GUIDE LINES	SV-1 (SSDS "Branch 4")	SV-2 (SSDS "Branch 3")	SV-3 (SSDS "Branch 2")
			12/8/2014	12/8/2014	12/8/2014
	Sample ID		*ug/m^3*	*ug/m^3*	*ug/m^3*
108-90-7	Chlorobenzene	-	ND	ND	ND
124-48-1	Chlorodibromomethane	-	ND	ND	ND
75-00-3	Chloroethane	-	ND	ND	ND
67-66-3	Chloroform	-	1.21	3.38	2.53
74-87-3	Chloromethane	-	0.828	0.572	0.71
542-75-6	cis-1,3-Dichloropropene	-	ND	ND	ND
156-59-2	cis-1,2-Dichloroethene	-	ND	ND	ND
110-82-7	Cyclohexane	-	ND	1.17	ND
75-71-8	Dichlorodifluoromethane	-	2.7	3.84	4.4
100-41-4	Ethylbenzene	-	ND	0.977	ND
64-17-5	Ethanol	-	45.6	109	14.4
141-78-6	Ethyl Acetate	-	ND	ND	ND
76-14-2	Freon-114	-	ND	ND	ND
142-82-5	Heptane	-	ND	ND	ND
87-68-3	Hexachlorobutadiene	-	ND	ND	ND
67-63-0	Isopropanol	-	1.52	ND	ND
75-09-2	Methylene Chloride	60	ND	ND	ND
1634-04-4	Methyl Tert-Butyl Ether	-	ND	ND	ND
110-54-3	n-Hexane	-	1.22	1.14	0.899
1330-20-7	p/m-Xylene	-	2.51	3.97	ND
95-47-6	o-Xylene	-	0.999	1.56	ND
100-42-5	Styrene	-	ND	ND	ND
127-18-4	Tetrachloroethene (PCE)	30	14.4	38.7	36.1
109-99-9	Tetrahydrofuran	-	1.61	ND	ND
108-88-3	Toluene	-	5.77	3.17	3.47
1330-20-7	Total Xylenes	-	0.999	1.56	ND
156-60-5	trans-1,2-Dichloroethene	-	ND	ND	ND
10061-02-6	trans-1,3-Dichloropropene	-	ND	ND	ND
79-01-6	Trichloroethene (TCE)	5	ND	1.77	ND
75-69-4	Trichlorofluoromethane	-	5.55	7.25	52.5
593-60-2	Vinyl bromide	-	ND	ND	ND
75-01-4	Vinyl Chloride	-	ND	ND	ND
	Total BTEX		8.179	8.547	4.317
	Total VOCs		14.40	40.47	36.10

Notes: Shaded values indicate an exceedance of NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York October 2006 -

ANALYTICAL REPORT

Lab Number:	L1429571
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	Not Specified
Project Number:	2166-06
Report Date:	12/17/14

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Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: Not Specified
Project Number: 2166-06

Lab Number: L1429571
Report Date: 12/17/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1429571-01	SV-1	SOIL_VAPOR	92 WEST TREMONT AVE NY	12/08/14 13:00	12/09/14
L1429571-02	SV-2	SOIL_VAPOR	92 WEST TREMONT AVE NY	12/08/14 14:20	12/09/14
L1429571-03	SV-3	SOIL_VAPOR	92 WEST TREMONT AVE NY	12/08/14 16:45	12/09/14

Project Name: Not Specified
Project Number: 2166-06

Lab Number: L1429571
Report Date: 12/17/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	Not Specified	**Lab Number:**	L1429571
Project Number:	2166-06	**Report Date:**	12/17/14

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 5, 2014. The canister certification results are provided as an addendum.

Samples L1429571-02 and -03 results for Acetone should be considered estimated due to co-elution with a non-target peak.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 12/17/14

AIR

Project Name: ***Lab Number:*** L1429571

Project Number: 2166-06 ***Report Date:*** 12/17/14

SAMPLE RESULTS

Lab ID: L1429571-01
Client ID: SV-1
Sample Location: 92 WEST TREMONT AVE NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/16/14 19:00
Analyst: RY

Date Collected: 12/08/14 13:00
Date Received: 12/09/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.547	0.200	--	2.70	0.989	--		1
Chloromethane	0.401	0.200	--	0.828	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	24.2	2.50	--	45.6	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	16.6	1.00	--	39.4	2.38	--		1
Trichlorofluoromethane	0.987	0.200	--	5.55	1.12	--		1
Isopropanol	0.617	0.500	--	1.52	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.217	0.200	--	0.676	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.958	0.200	--	2.83	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: ***Lab Number:*** L1429571

Project Number: 2166-06 ***Report Date:*** 12/17/14

SAMPLE RESULTS

Lab ID: L1429571-01 Date Collected: 12/08/14 13:00
Client ID: SV-1 Date Received: 12/09/14
Sample Location: 92 WEST TREMONT AVE NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.248	0.200	--	1.21	0.977	--		1
Tetrahydrofuran	0.545	0.200	--	1.61	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.347	0.200	--	1.22	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.441	0.200	--	1.41	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.227	0.200	--	1.06	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.53	0.200	--	5.77	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	2.12	0.200	--	14.4	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	0.577	0.400	--	2.51	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: ***Lab Number:*** L1429571

Project Number: 2166-06 ***Report Date:*** 12/17/14

SAMPLE RESULTS

Lab ID: L1429571-01 Date Collected: 12/08/14 13:00
Client ID: SV-1 Date Received: 12/09/14
Sample Location: 92 WEST TREMONT AVE NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.230	0.200	--	0.999	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	80		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	87		60-140

Project Name: ***Lab Number:*** L1429571

Project Number: 2166-06 ***Report Date:*** 12/17/14

SAMPLE RESULTS

Lab ID:	L1429571-02	Date Collected:	12/08/14 14:20
Client ID:	SV-2	Date Received:	12/09/14
Sample Location:	92 WEST TREMONT AVE NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	12/16/14 19:32		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.777	0.200	--	3.84	0.989	--		1
Chloromethane	0.277	0.200	--	0.572	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	58.0	2.50	--	109	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.46	1.00	--	3.47	2.38	--		1
Trichlorofluoromethane	1.29	0.200	--	7.25	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.748	0.200	--	2.33	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: ***Lab Number:*** L1429571

Project Number: 2166-06 ***Report Date:*** 12/17/14

SAMPLE RESULTS

Lab ID: L1429571-02 Date Collected: 12/08/14 14:20
Client ID: SV-2 Date Received: 12/09/14
Sample Location: 92 WEST TREMONT AVE NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.693	0.200	--	3.38	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.324	0.200	--	1.14	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.889	0.200	--	2.84	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.339	0.200	--	1.17	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.330	0.200	--	1.77	1.07	--		1
2,2,4-Trimethylpentane	0.421	0.200	--	1.97	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.840	0.200	--	3.17	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	5.71	0.200	--	38.7	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.225	0.200	--	0.977	0.869	--		1
p/m-Xylene	0.913	0.400	--	3.97	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: ***Lab Number:*** L1429571

Project Number: 2166-06 ***Report Date:*** 12/17/14

SAMPLE RESULTS

Lab ID: L1429571-02 Date Collected: 12/08/14 14:20
Client ID: SV-2 Date Received: 12/09/14
Sample Location: 92 WEST TREMONT AVE NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.360	0.200	--	1.56	0.869	--		1
4-Ethyltoluene	0.278	0.200	--	1.37	0.983	--		1
1,3,5-Trimethylbenzene	0.324	0.200	--	1.59	0.983	--		1
1,2,4-Trimethylbenzene	1.14	0.200	--	5.60	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	78		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	89		60-140

Project Name: ***Lab Number:*** L1429571

Project Number: 2166-06 ***Report Date:*** 12/17/14

SAMPLE RESULTS

Lab ID:	L1429571-03	Date Collected:	12/08/14 16:45
Client ID:	SV-3	Date Received:	12/09/14
Sample Location:	92 WEST TREMONT AVE NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	12/16/14 20:04		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.889	0.200	--	4.40	0.989	--		1
Chloromethane	0.344	0.200	--	0.710	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	7.65	2.50	--	14.4	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.23	1.00	--	10.0	2.38	--		1
Trichlorofluoromethane	9.35	0.200	--	52.5	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.228	0.200	--	0.710	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.629	0.200	--	1.86	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: ***Lab Number:*** L1429571

Project Number: 2166-06 ***Report Date:*** 12/17/14

SAMPLE RESULTS

Lab ID: L1429571-03 Date Collected: 12/08/14 16:45
Client ID: SV-3 Date Received: 12/09/14
Sample Location: 92 WEST TREMONT AVE NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.519	0.200	--	2.53	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.255	0.200	--	0.899	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.265	0.200	--	0.847	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.240	0.200	--	1.12	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.922	0.200	--	3.47	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	5.33	0.200	--	36.1	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: ***Lab Number:*** L1429571

Project Number: 2166-06 ***Report Date:*** 12/17/14

SAMPLE RESULTS

Lab ID: L1429571-03 Date Collected: 12/08/14 16:45
Client ID: SV-3 Date Received: 12/09/14
Sample Location: 92 WEST TREMONT AVE NY Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	83		60-140
Bromochloromethane	80		60-140
chlorobenzene-d5	87		60-140

Project Name: Not Specified
Project Number: 2166-06

Lab Number: L1429571
Report Date: 12/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/16/14 10:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG749108-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: Not Specified
Project Number: 2166-06

Lab Number: L1429571
Report Date: 12/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/16/14 10:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG749108-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1

Project Name: Not Specified
Project Number: 2166-06
Lab Number: L1429571
Report Date: 12/17/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/16/14 10:57

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-03 Batch: WG749108-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Lab Control Sample Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 2166-06

Lab Number: L1429571
Report Date: 12/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG749108-3								
Chlorodifluoromethane	89		-		70-130	-		
Propylene	96		-		70-130	-		
Propane	82		-		70-130	-		
Dichlorodifluoromethane	100		-		70-130	-		
Chloromethane	96		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	106		-		70-130	-		
Methanol	90		-		70-130	-		
Vinyl chloride	100		-		70-130	-		
1,3-Butadiene	98		-		70-130	-		
Butane	84		-		70-130	-		
Bromomethane	100		-		70-130	-		
Chloroethane	100		-		70-130	-		
Ethyl Alcohol	94		-		70-130	-		
Dichlorofluoromethane	92		-		70-130	-		
Vinyl bromide	100		-		70-130	-		
Acrolein	91		-		70-130	-		
Acetone	101		-		70-130	-		
Acetonitrile	90		-		70-130	-		
Trichlorofluoromethane	103		-		70-130	-		
iso-Propyl Alcohol	99		-		70-130	-		
Acrylonitrile	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 2166-06

Lab Number: L1429571

Report Date: 12/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG749108-3								
Pentane	83		-		70-130	-		
Ethyl ether	86		-		70-130	-		
1,1-Dichloroethene	99		-		70-130	-		
tert-Butyl Alcohol	90		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	94		-		70-130	-		
Carbon disulfide	96		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	104		-		70-130	-		
trans-1,2-Dichloroethene	92		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
Vinyl acetate	109		-		70-130	-		
2-Butanone	96		-		70-130	-		
cis-1,2-Dichloroethene	109		-		70-130	-		
Ethyl Acetate	92		-		70-130	-		
Chloroform	100		-		70-130	-		
Tetrahydrofuran	91		-		70-130	-		
2,2-Dichloropropane	82		-		70-130	-		
1,2-Dichloroethane	98		-		70-130	-		
n-Hexane	94		-		70-130	-		
Isopropyl Ether	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 2166-06

Lab Number: L1429571

Report Date: 12/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG749108-3								
Ethyl-Tert-Butyl-Ether	85		-		70-130	-		
1,1,1-Trichloroethane	99		-		70-130	-		
1,1-Dichloropropene	92		-		70-130	-		
Benzene	96		-		70-130	-		
Carbon tetrachloride	95		-		70-130	-		
Cyclohexane	92		-		70-130	-		
Tertiary-Amyl Methyl Ether	82		-		70-130	-		
Dibromomethane	94		-		70-130	-		
1,2-Dichloropropane	98		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	98		-		70-130	-		
2,2,4-Trimethylpentane	97		-		70-130	-		
Methyl methacrylate	91		-		70-130	-		
Heptane	89		-		70-130	-		
cis-1,3-Dichloropropene	103		-		70-130	-		
4-Methyl-2-pentanone	95		-		70-130	-		
trans-1,3-Dichloropropene	87		-		70-130	-		
1,1,2-Trichloroethane	104		-		70-130	-		
Toluene	94		-		70-130	-		
1,3-Dichloropropane	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 2166-06

Lab Number: L1429571

Report Date: 12/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG749108-3								
2-Hexanone	103		-		70-130	-		
Dibromochloromethane	94		-		70-130	-		
1,2-Dibromoethane	100		-		70-130	-		
Butyl Acetate	90		-		70-130	-		
Octane	90		-		70-130	-		
Tetrachloroethene	97		-		70-130	-		
1,1,1,2-Tetrachloroethane	89		-		70-130	-		
Chlorobenzene	99		-		70-130	-		
Ethylbenzene	97		-		70-130	-		
p/m-Xylene	100		-		70-130	-		
Bromoform	94		-		70-130	-		
Styrene	101		-		70-130	-		
1,1,2,2-Tetrachloroethane	106		-		70-130	-		
o-Xylene	103		-		70-130	-		
1,2,3-Trichloropropane	93		-		70-130	-		
Nonane (C9)	87		-		70-130	-		
Isopropylbenzene	94		-		70-130	-		
Bromobenzene	94		-		70-130	-		
o-Chlorotoluene	93		-		70-130	-		
n-Propylbenzene	92		-		70-130	-		
p-Chlorotoluene	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 2166-06

Lab Number: L1429571

Report Date: 12/17/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 Batch: WG749108-3								
4-Ethyltoluene	95		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
tert-Butylbenzene	97		-		70-130	-		
1,2,4-Trimethylbenzene	106		-		70-130	-		
Decane (C10)	94		-		70-130	-		
Benzyl chloride	96		-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	105		-		70-130	-		
sec-Butylbenzene	96		-		70-130	-		
p-Isopropyltoluene	88		-		70-130	-		
1,2-Dichlorobenzene	105		-		70-130	-		
n-Butylbenzene	101		-		70-130	-		
1,2-Dibromo-3-chloropropane	95		-		70-130	-		
Undecane	99		-		70-130	-		
Dodecane (C12)	116		-		70-130	-		
1,2,4-Trichlorobenzene	123		-		70-130	-		
Naphthalene	105		-		70-130	-		
1,2,3-Trichlorobenzene	117		-		70-130	-		
Hexachlorobutadiene	114		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 2166-06

Lab Number: L1429571
Report Date: 12/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG749108-5 QC Sample: L1429858-01 Client ID: DUP Sample						
Dichlorodifluoromethane	0.676	0.706	ppbV	4		25
Chloromethane	ND	ND	ppbV	NC		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	3.66	4.02	ppbV	9		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	ND	ND	ppbV	NC		25
Trichlorofluoromethane	0.431	0.449	ppbV	4		25
iso-Propyl Alcohol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 2166-06

Lab Number: L1429571
Report Date: 12/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG749108-5 QC Sample: L1429858-01 Client ID: DUP Sample					
1,1-Dichloroethane	0.211	0.252	ppbV	18	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	3.13	3.40	ppbV	8	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	0.434	0.434	ppbV	0	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
1,1,1-Trichloroethane	0.766	0.922	ppbV	18	25
Benzene	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	0.494	0.558	ppbV	12	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 2166-06

Lab Number: L1429571
Report Date: 12/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG749108-5 QC Sample: L1429858-01 Client ID: DUP Sample					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	ND	ND	ppbV	NC	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	21.8	20.8	ppbV	5	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: 2166-06

Lab Number: L1429571
Report Date: 12/17/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG749108-5 QC Sample: L1429858-01 Client ID: DUP Sample					
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name:

Lab Number: L1429571

Project Number: 2166-06

Report Date: 12/17/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1429571-01	SV-1	0562	#20 AMB	12/05/14	112339		-	-	-	Pass	17.6	16.5	6
L1429571-01	SV-1	373	2.7L Can	12/05/14	112339	L1428685-01	Pass	-29.6	-4.6	-	-	-	-
L1429571-02	SV-2	0429	#30 SV	12/05/14	112339		-	-	-	Pass	17.3	19.7	13
L1429571-02	SV-2	193	2.7L Can	12/05/14	112339	L1428685-01	Pass	-29.8	-0.4	-	-	-	-
L1429571-03	SV-3	0466	#30 SV	12/05/14	112339		-	-	-	Pass	17.5	16.7	5
L1429571-03	SV-3	213	2.7L Can	12/05/14	112339	L1428685-01	Pass	-29.8	-4.0	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1428685
Report Date: 12/17/14

Air Canister Certification Results

Lab ID: L1428685-01
Client ID: CAN 514 SHELF 8
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/01/14 15:54
Analyst: MB

Date Collected: 11/26/14 17:15
Date Received: 11/28/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1428685
Report Date: 12/17/14

Air Canister Certification Results

Lab ID: L1428685-01
Client ID: CAN 514 SHELF 8
Sample Location:
Date Collected: 11/26/14 17:15
Date Received: 11/28/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1428685

Project Number: CANISTER QC BAT **Report Date:** 12/17/14

Air Canister Certification Results

Lab ID: L1428685-01 Date Collected: 11/26/14 17:15

Client ID: CAN 514 SHELF 8 Date Received: 11/28/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1428685

Project Number: CANISTER QC BAT **Report Date:** 12/17/14

Air Canister Certification Results

Lab ID: L1428685-01 Date Collected: 11/26/14 17:15

Client ID: CAN 514 SHELF 8 Date Received: 11/28/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1428685

Project Number: CANISTER QC BAT **Report Date:** 12/17/14

Air Canister Certification Results

Lab ID: L1428685-01 Date Collected: 11/26/14 17:15

Client ID: CAN 514 SHELF 8 Date Received: 11/28/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	88		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1428685

Project Number: CANISTER QC BAT **Report Date:** 12/17/14

Air Canister Certification Results

Lab ID: L1428685-01
Client ID: CAN 514 SHELF 8
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/01/14 15:54
Analyst: MB

Date Collected: 11/26/14 17:15
Date Received: 11/28/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1428685

Project Number: CANISTER QC BAT **Report Date:** 12/17/14

Air Canister Certification Results

Lab ID: L1428685-01 Date Collected: 11/26/14 17:15

Client ID: CAN 514 SHELF 8 Date Received: 11/28/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1428685
Report Date: 12/17/14

Air Canister Certification Results

Lab ID: L1428685-01
Client ID: CAN 514 SHELF 8
Sample Location:
Date Collected: 11/26/14 17:15
Date Received: 11/28/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	87		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	88		60-140

Project Name: Not Specified
Project Number: 2166-06

Lab Number: L1429571
Report Date: 12/17/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1429571-01A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1429571-02A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1429571-03A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	Not Specified	**Lab Number:**	L1429571
Project Number:	2166-06	**Report Date:**	12/17/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: Data Usability Report

Project Name:	Not Specified	**Lab Number:**	L1429571
Project Number:	2166-06	**Report Date:**	12/17/14

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: Not Specified
Project Number: 2166-06
Lab Number: L1429571
Report Date: 12/17/14

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1429571

Client Information

Client: IMPACT ENVIRONMENTAL
Address: 170 KEYLAND CT
Bohemia NY
Phone: 631-269-9800
Fax:
Email: Bhernandez@impactenvironmental.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name:
Project Location: 92 WEST TREMONT AVE NY
Project #: 2166-06
Project Manager: B. HERNANDEZ
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: 12/16/14 **Time:**

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:
CAN # 384 NOT USED, DO NOT ANALYZE.

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
-01	SV-1	12/8/14	1100	1300	-30.12	-7.82	SV	CM	2.7L	373	0562		X						
-02	SV-2	12/8/14	1311	1420	-30.13	-3.83	SV	CM	↓	193	0429		X						
-03	SV-3	12/8/14	1445	1645	-30.04	-7.12	SV	CM	↓	213	0466		X						

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: CS

Relinquished By:	Date/Time	Received By:	Date/Time:
Paul Lang - IAHL	12/9/14 1840	[illegible]	12/9/14 1840
Tom Tolen	12-10-14 0030	[illegible]	12/10/14 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 (19-Jun-09)

APPENDIX D

DAILY REPORTS

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70		70-85	X	>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	08/20/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Minimal excavation of soil along northwest property wall to allow installation of shoring pipes

Working In Area: Northwest property line along sidewalk cut.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels max 0.019mg/m^3 upwind and 0.035mg/m^3 downwind, gradually increased in the afternoon due to higher winds. Organic vapor levels at 0ppm throughout the entire work day.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continuation of the shoring process. Awaiting arrival of the drilling team, estimated to begin sometime next week.

Facility # Name/ Location Type of Waste Solid Or Liquid	-		-							
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons		.
Today	0	0	0	0	0	0	0	0		
Total	0	0	0	0	0	0	0	0		

Site Grid Map

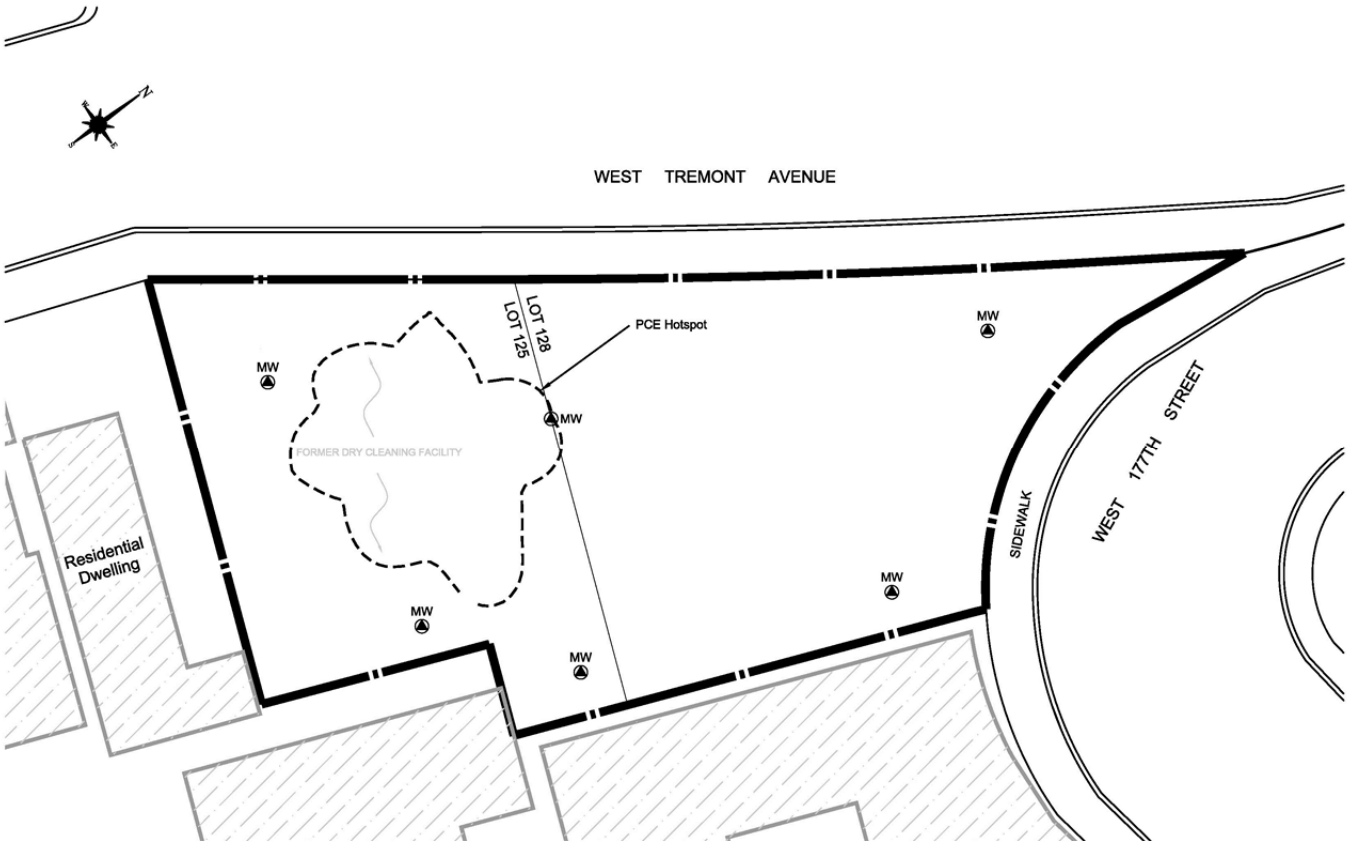


Photo Log

Photo 1 – View of excavation along northwest property line for the installation of shoring pipes in preparation for drilling. High amounts of rock and C&D debris can be seen commingled within excavated soil.	
Photo 2 – Installation of shoring pipes.	

Photo 3 – View of installed shoring pipes along the northwest property line adjacent to West Tremont Avenue.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70		70-85	X	>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	08/21/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Some excavation and movement of on-site soil/fill as the crew worked on shoring. A chain link fence was removed from one side of the site and replaced with a temporary plywood wall. No disturbance of the on-site hotspot.

Working In Area: Northwest property line along sidewalk cut.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels max 0.025mg/m^3 upwind and 0.030mg/m^3 downwind, gradually lowering as the day progressed likely due to increased wind. Organic vapor levels at 0ppm throughout the entire work day.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continuation of the shoring process. Awaiting arrival of the drilling team, estimated to begin sometime next week.

Facility # Name/ Location Type of Waste Solid Or Liquid	-		-							
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons		.
Today	0	0	0	0	0	0	0	0		
Total	0	0	0	0	0	0	0	0		

Site Grid Map

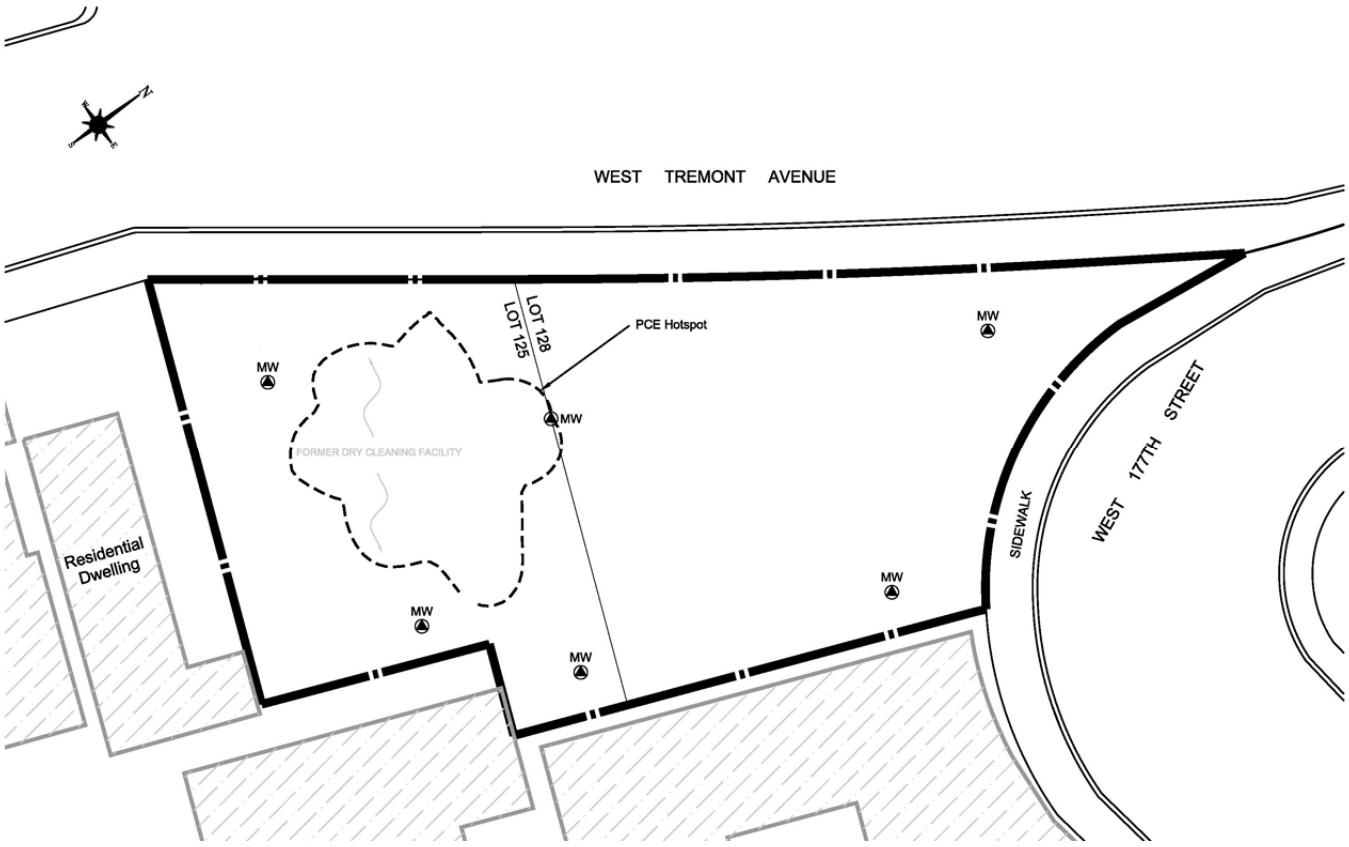


Photo Log

Photo 1 – Shoring, stabilization pipes placed in preparation of drilling.	
Photo 2 – The shoring pipes which are being placed along the upper perimeter.	

Photo 3 – Showing the rocky/rubble fill which characterizes the entire ground contents of the site. The chain link fence that was removed is also shown.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain	X	Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70		70-85	X	>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	08/22/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continuation of the shoring process. Moving existing soil/fill as stabilization pipes were placed in preparation of drilling team which is estimated to arrive next week.

Working In Area: Northwest property line along sidewalk cut.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels only detected between 8am-9am. Maximum levels from 0.035mg/m^3 upwind and 0.060mg/m^3 downwind. Heavy thunderstorms began around 9:15am, with rain concluding around 1pm. Particulate levels below detection levels after rain began. No organic vapor levels were detected.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Site will be closed Friday, 8/23/13. Stabilization pipes should be all set by early next week. Drilling team is expected sometime next week.

Facility # Name/ Location Type of Waste Solid Or Liquid	-		-							
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons		.
Today	0	0	0	0	0	0	0	0		
Total	0	0	0	0	0	0	0	0		

Site Grid Map

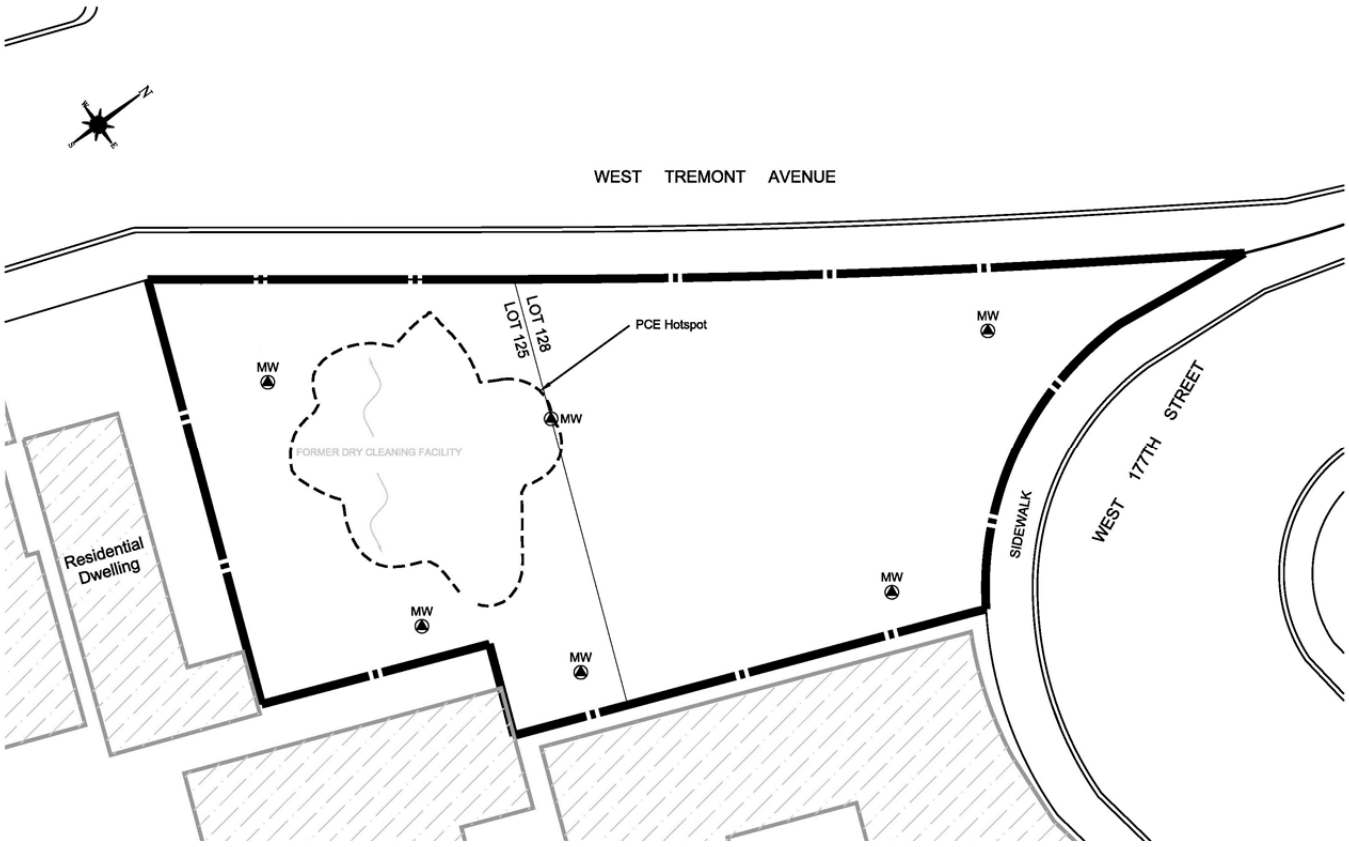


Photo Log

Photo 1 – The temporary plywood wall can be seen where the chain link fence once was. No ground was disturbed south of the existing retaining wall which stands along the right side of the pile of green pipes.	
Photo 2 – Excavation began along the temporary plywood wall, several pipes installed in the same manner as 8/21.	

Photo 3 – Another image showing the area where work was conducted on 8/22. Hotspot remains undisturbed.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	09/23/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Crew began to install lumber lagging in the southern perimeter of the Site. A 20-foot section was completed and backfilled.

Working In Area: South and Northwest property line along sidewalk cut.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continue lagging installation and commence off-site disposal of hotspot soils on 9/25/13.

Facility # Name/ Location Type of Waste Solid Or Liquid	-		-							
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons		.
Today	0	0	0	0	0	0	0	0		
Total	0	0	0	0	0	0	0	0		

Site Grid Map

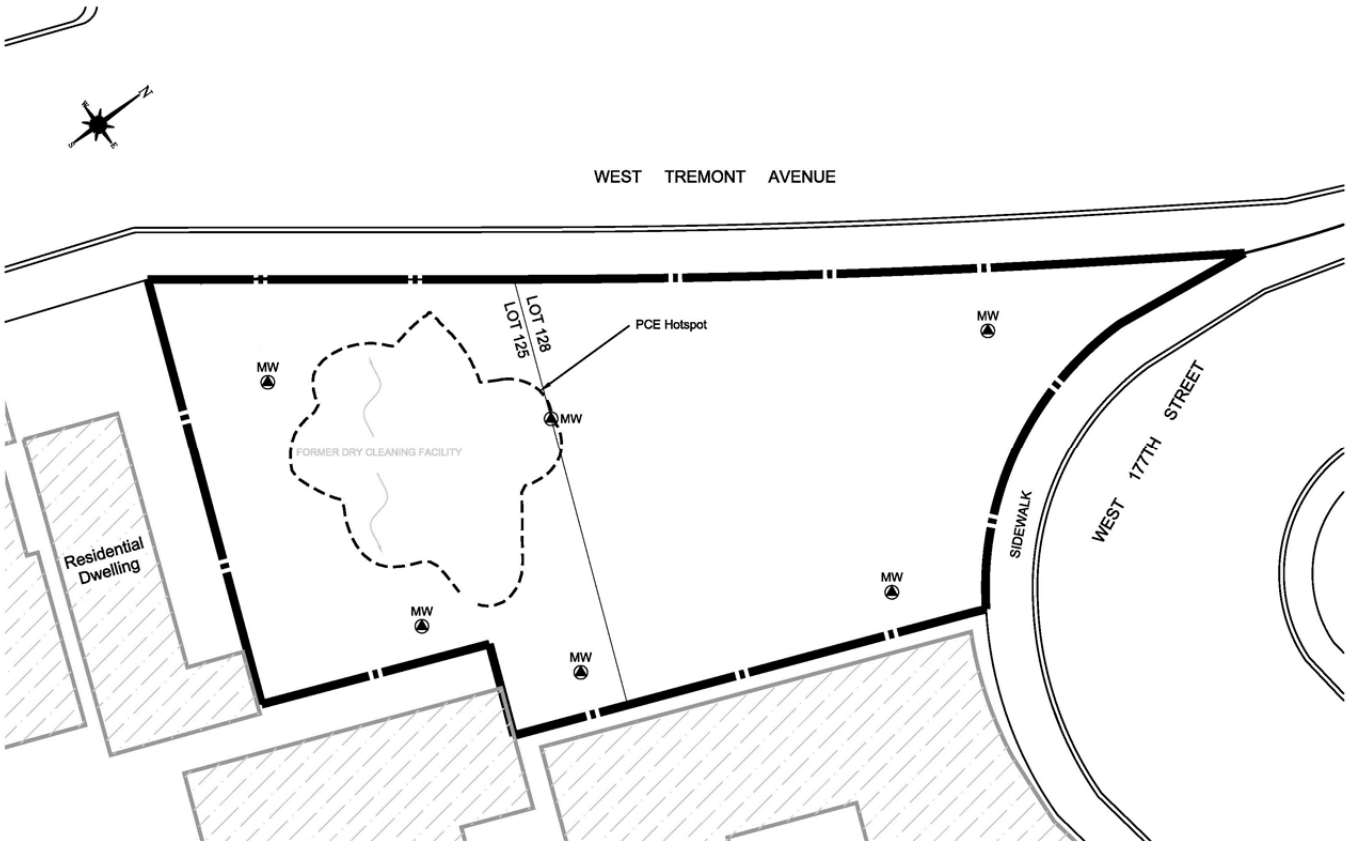


Photo Log

Photo 1 – The shoring beams and work area for the day.	
Photo 2 – Excavation for lumber lagging installation (outside of hotspot).	

Photo 3 – Completed section of lagging on southwest corner of the Site.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	09/24/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued installing lumber lagging along southern wall.

Working In Area: South and Northwest property line along sidewalk cut.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continue lagging installation and commence off-site disposal of hotspot soils on 9/25/13.

Facility # Name/ Location Type of Waste Solid Or Liquid	-		-							
(Trucks, Cu.Yds. Or Gallons)	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons	Trucks	Cu. Yds. *Or* Gallons		.
Today	0	0	0	0	0	0	0	0		
Total	0	0	0	0	0	0	0	0		

Site Grid Map

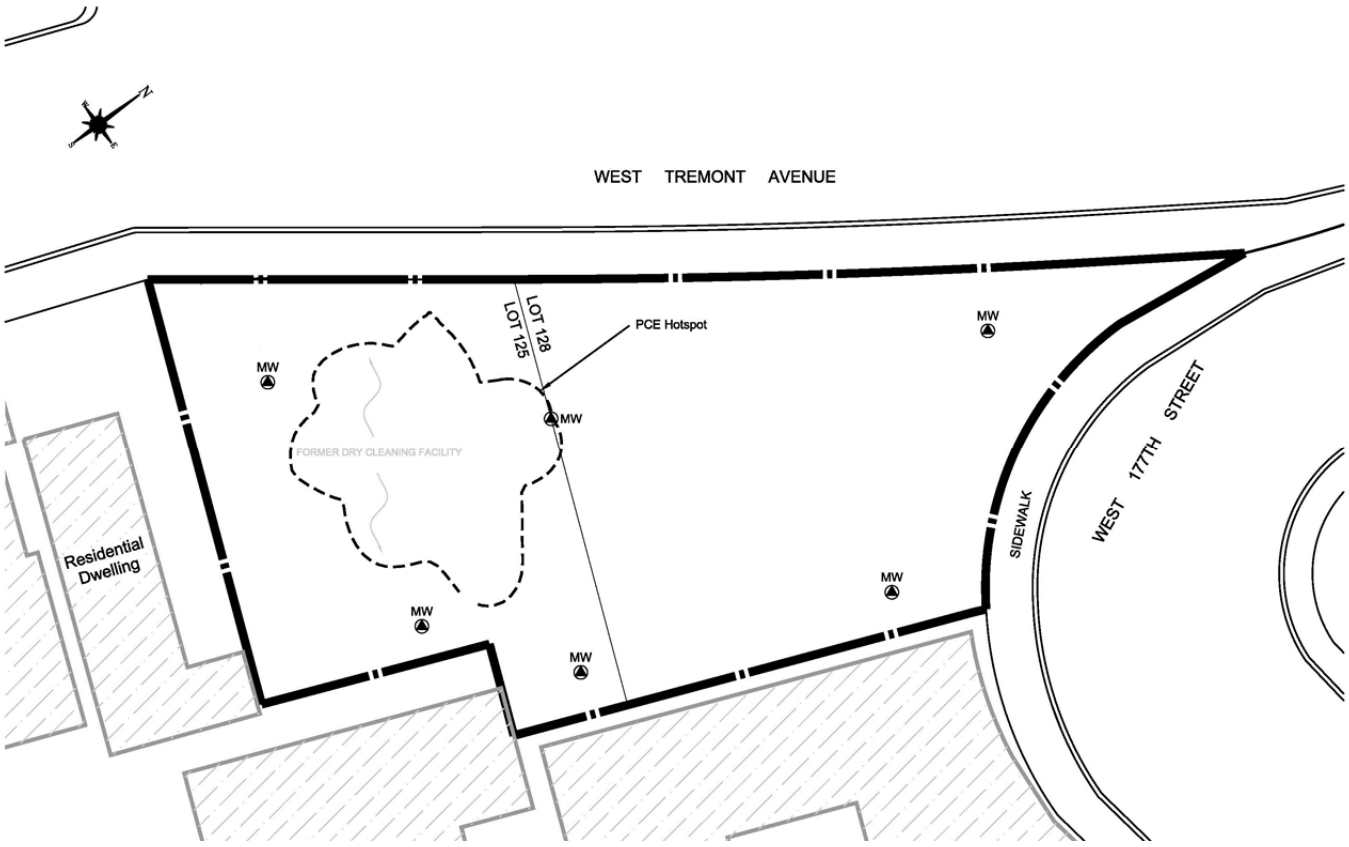


Photo Log

Photo 1 – Excavator removing soils for lagging installation.	
Photo 2 – Stockpile of non-hotspot soils and rubble originating from lagging installation excavation along south wall.	

Photo 3 – View of lagging installation progress along south wall.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	09/25/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued installing lumber lagging along southern wall.

Working In Area: South and Northwest property line along sidewalk cut and Hotspot.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continue lagging installation and off-site disposal of hotspot soils.

Facility # Name/ Location Type of Waste Solid Or Liquid			-							
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons		.
Today	0	0	0	0	0	0	0	0		
Total	0	0	0	0	0	0	0	0		

Site Grid Map

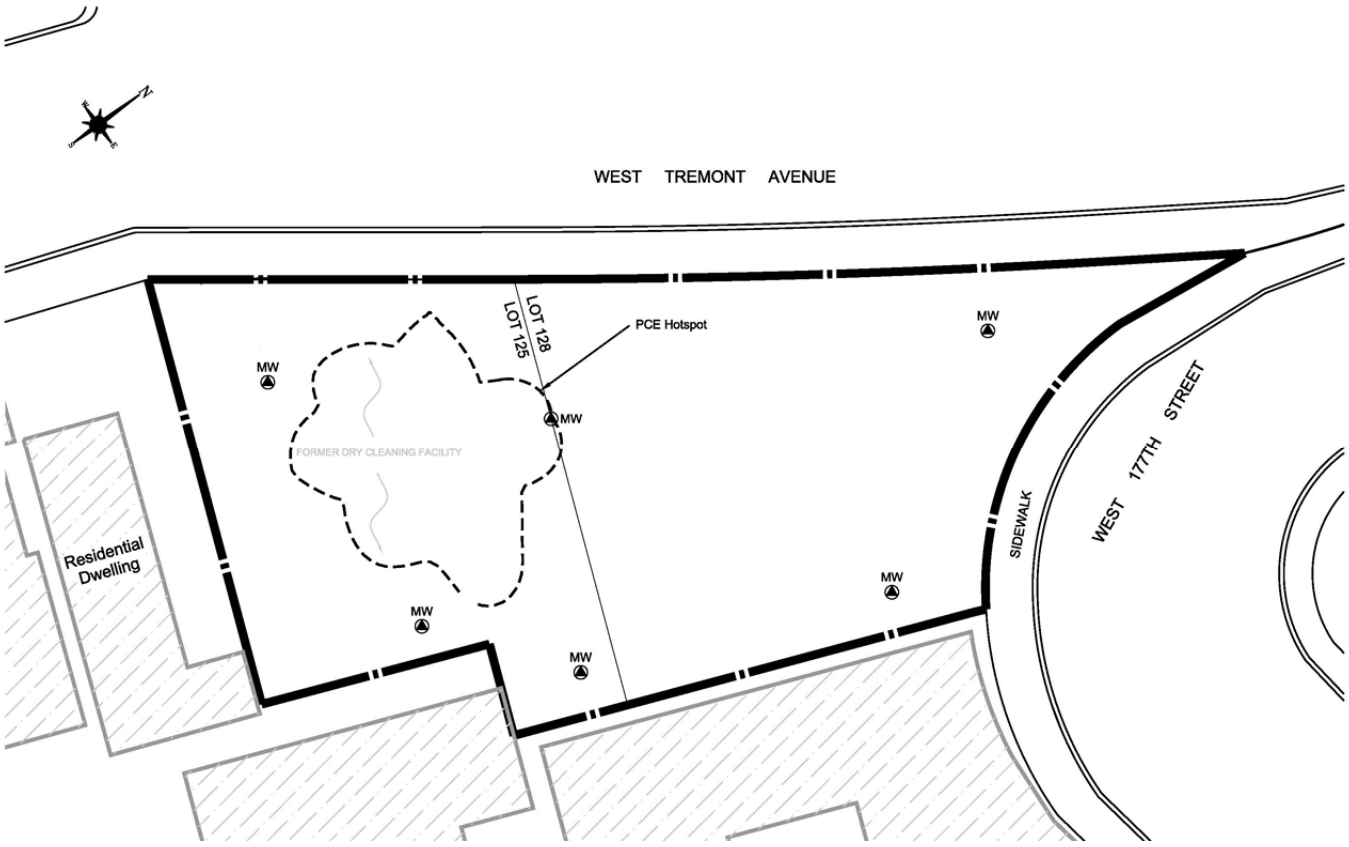


Photo Log

Photo 1 – View of shoring sleeves along West Farms Road and excavation for lagging installation along south wall.	
Photo 2 – View of northeastern portion of site along W 177th Street.	

Photo 3 – View of ramp from lower, northeast portion of the Site to the Southwest portion of the Site.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	09/26/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued installing lumber lagging along southern wall.
- Excavation and offsite disposal of hotspot soils.

Working In Area: South and Northwest property line along sidewalk cut and Hotspot.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continue lagging installation and off-site disposal of hotspot soils.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ		-							
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons		.
Today	19	~475 CY	0	0	0	0	0	0		
Total	19	~475 CY	0	0	0	0	0	0		

Site Grid Map

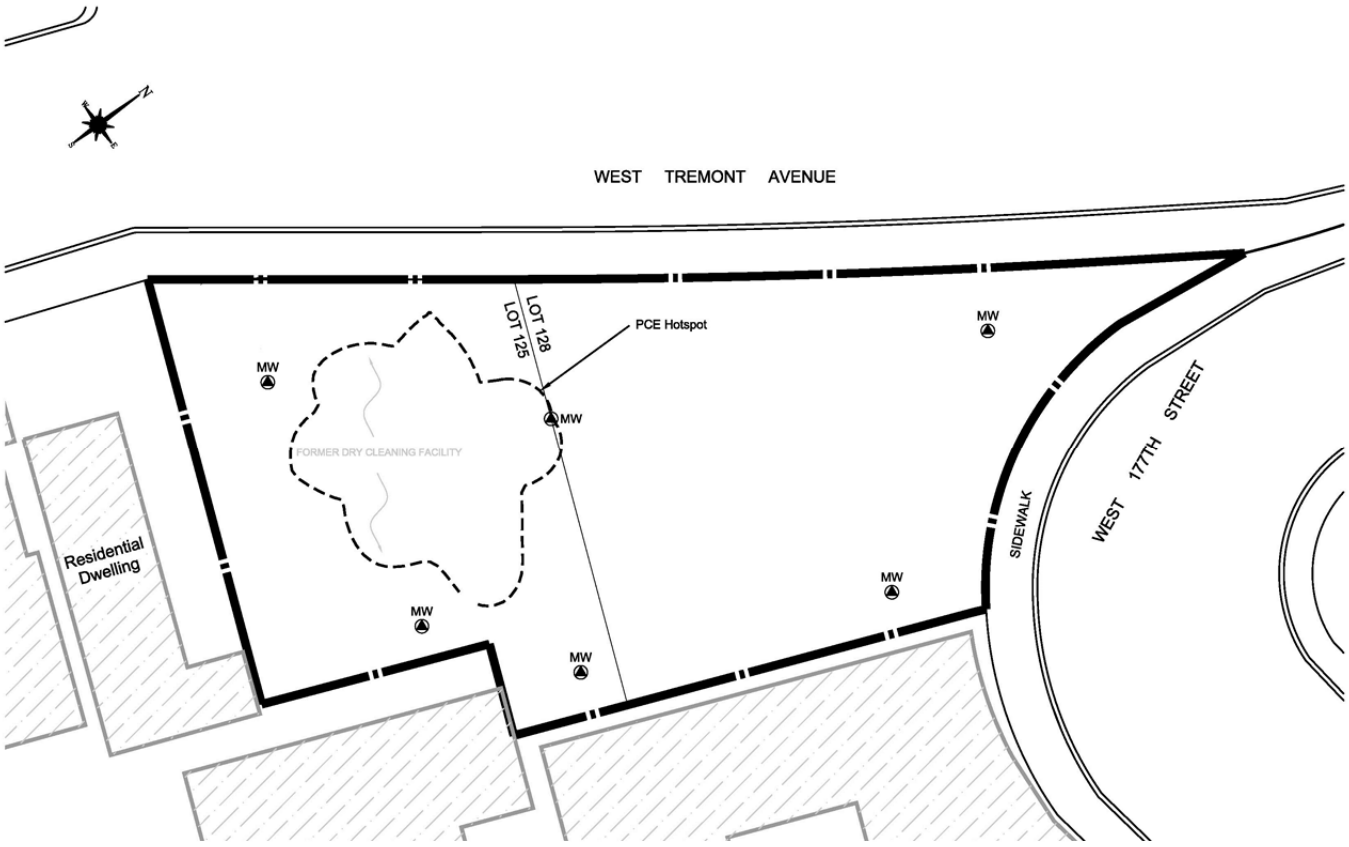


Photo Log

Photo 1 – Hotspot soils being loaded onto dump truck for offsite disposal.	
Photo 2 – View of hotspot excavation. Large quantities of oversize debris and garbage can be seen commingled with soil.	

Photo 3 – View of hotspot excavation and south wall lagging at the end of work day.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	09/27/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued installing lumber lagging along south and west wall.
- Excavation and stockpiling of soils for lagging installation activities.
- No offsite soil disposal for this day.

Working In Area: South and Northwest property line along sidewalk cut and Hotspot.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continue lagging installation and off-site disposal of hotspot soils.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ		-							
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons		.
Today	0	0	0	0	0	0	0	0		
Total	19	~475 CY	0	0	0	0	0	0		

Site Grid Map

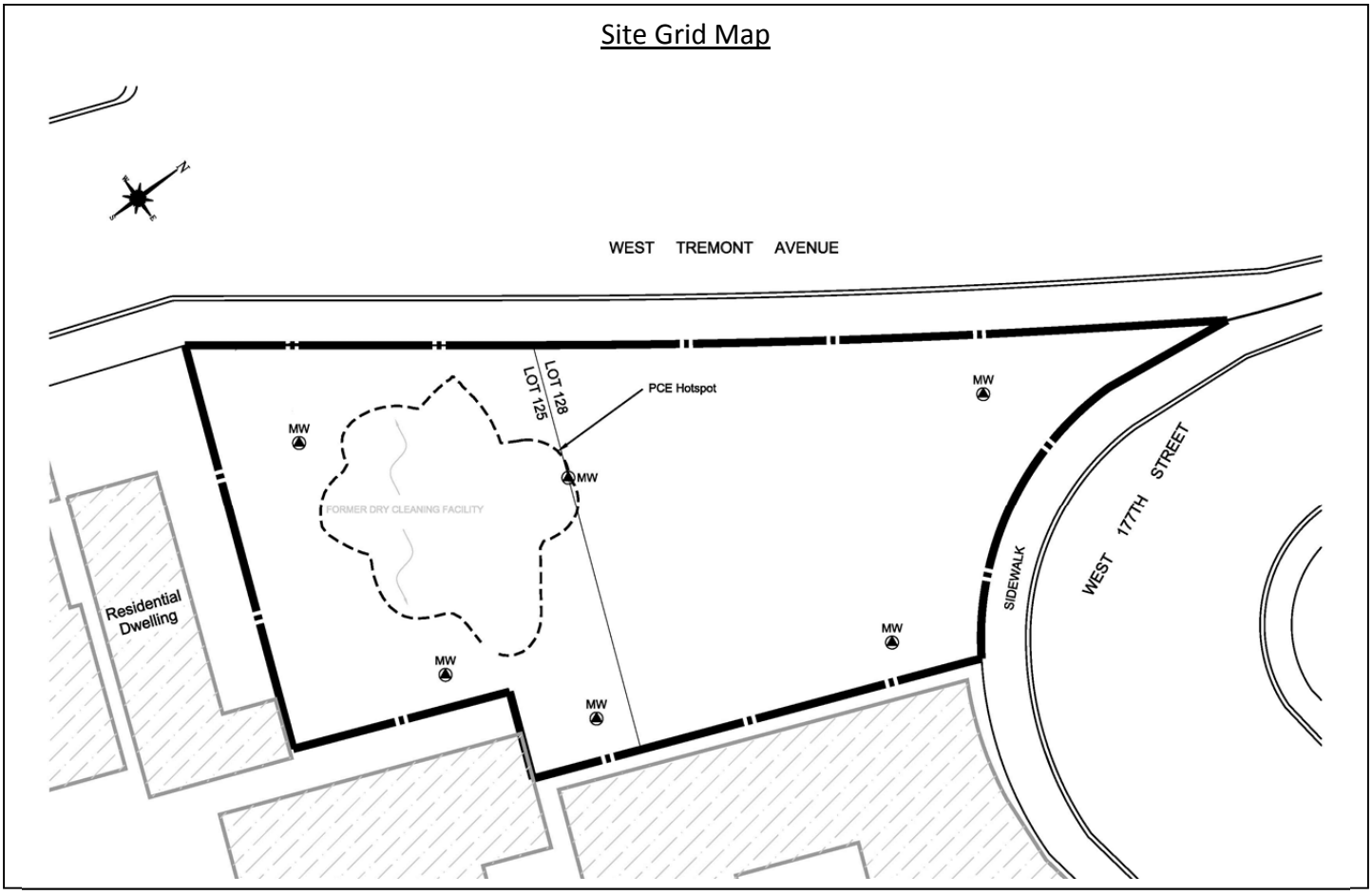


Photo Log

Photo 1 – View of eastern portion of the Site.	
Photo 2 – View of retaining wall to be demolished, looking north.	

Photo 3 – View of lagging installation along west wall (Tremont Ave) and adjacent to site entrance.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	09/30/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued installing lumber lagging along south and west wall.
- Excavation and offsite disposal of hotspot soils.
- Discovered two 275 gallon ASTs buried in the south west portion of the site.

Working In Area: South and Northwest property line along sidewalk cut and Hotspot.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continue lagging installation and off-site disposal of hotspot soils.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ		-							
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons		.
Today	22	~550	0	0	0	0	0	0		
Total	41	~1025 CY	0	0	0	0	0	0		

Site Grid Map

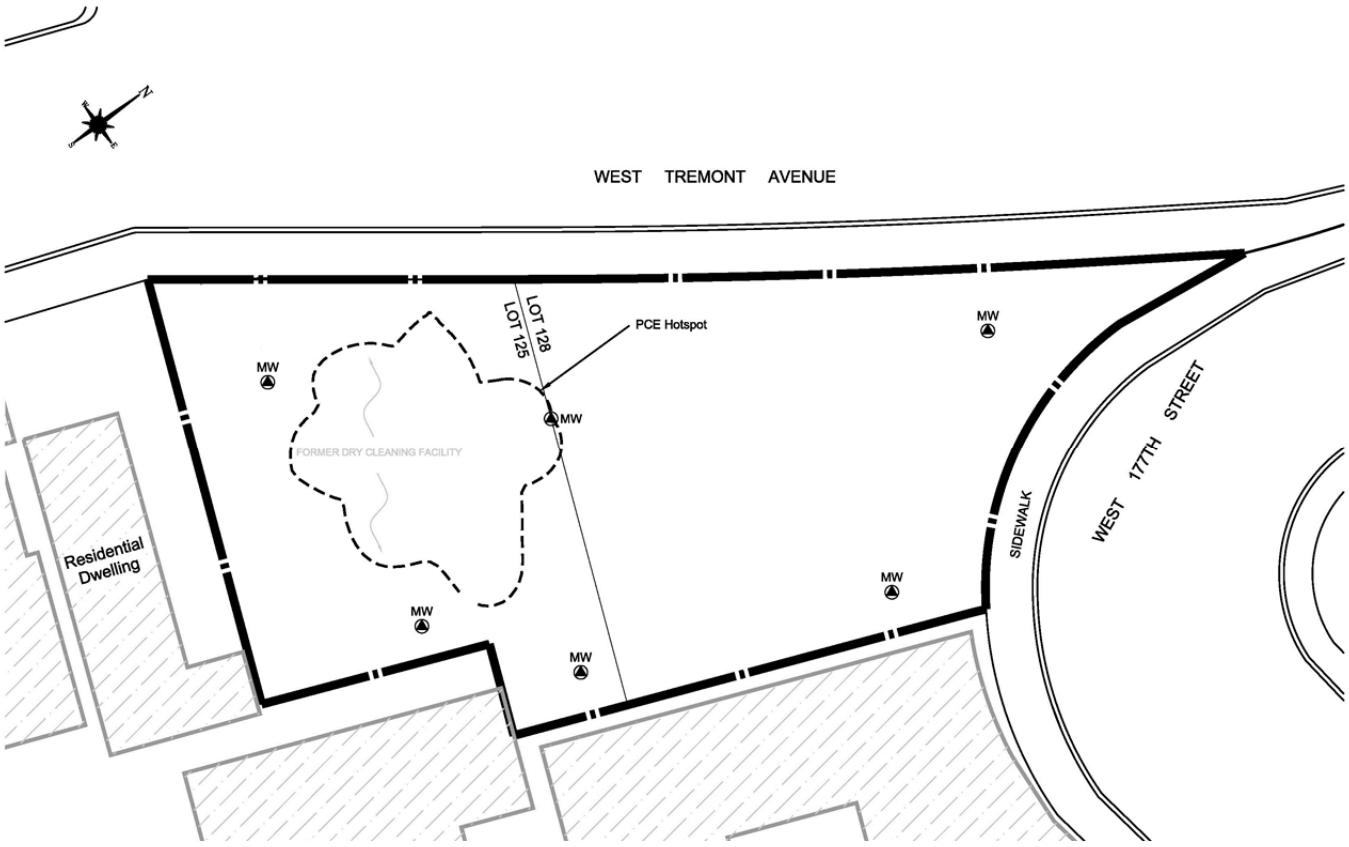


Photo Log

Photo 1 – View of hotspot excavation and loading for offsite disposal.	
Photo 2 – Two 275 gallon empty ASTs discovered in the southwest corner of the Site. Tanks were heavily corroded and damaged.	

Photo 3 – Dust suppression during hotspot excavation.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70		70-85	X	>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	10/01/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued installing lumber lagging along south and west wall.
- Excavation and offsite disposal of hotspot soils.

Working In Area: South and Northwest property line along sidewalk cut and Hotspot.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continue lagging installation and off-site disposal of hotspot soils.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ		-							
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons		.
Today	15	~375	0	0	0	0	0	0		
Total	56	~1400 CY	0	0	0	0	0	0		

Site Grid Map

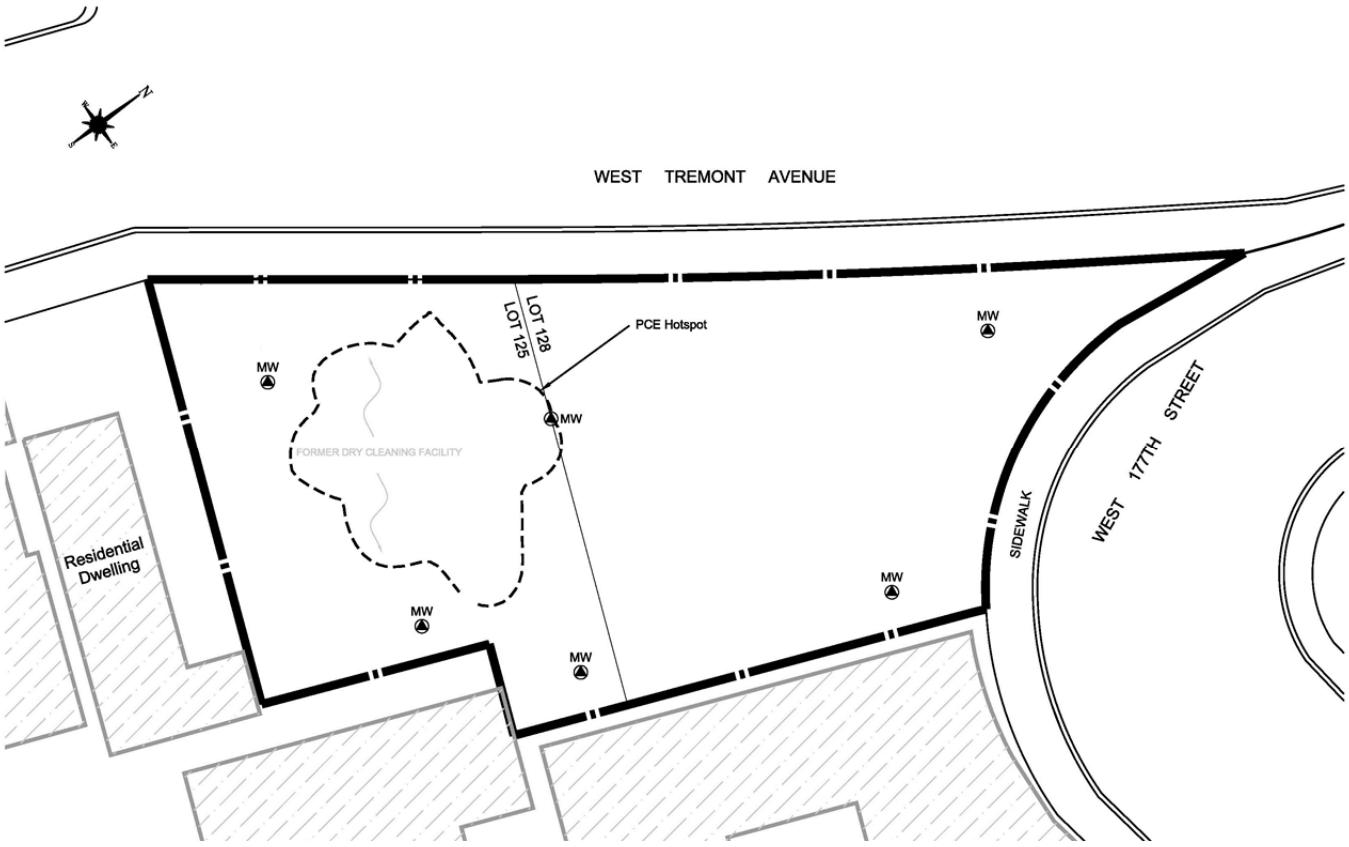


Photo Log

Photo 1 – View of soil being excavated and disposed offsite from the center of the VOC Hotspot.	
Photo 2 – View of northeast portion of the site (towards W. 177th Street).	

Photo 3 – View of lagging along the southern wall.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70		70-85	X	>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	10/02/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued installing lumber lagging along south and west wall.
- Excavation and offsite disposal of non-hotspot soils.

Working In Area: South and Northwest property line along sidewalk cut and non-hotspot areas.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continue lagging installation and off-site disposal of non-hotspot soils

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ							
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons		
Today	0	0	18	~450 CY	0	0	0	0		
Total	56	~1400 CY	18	~450 CY	0	0	0	0		

Site Grid Map

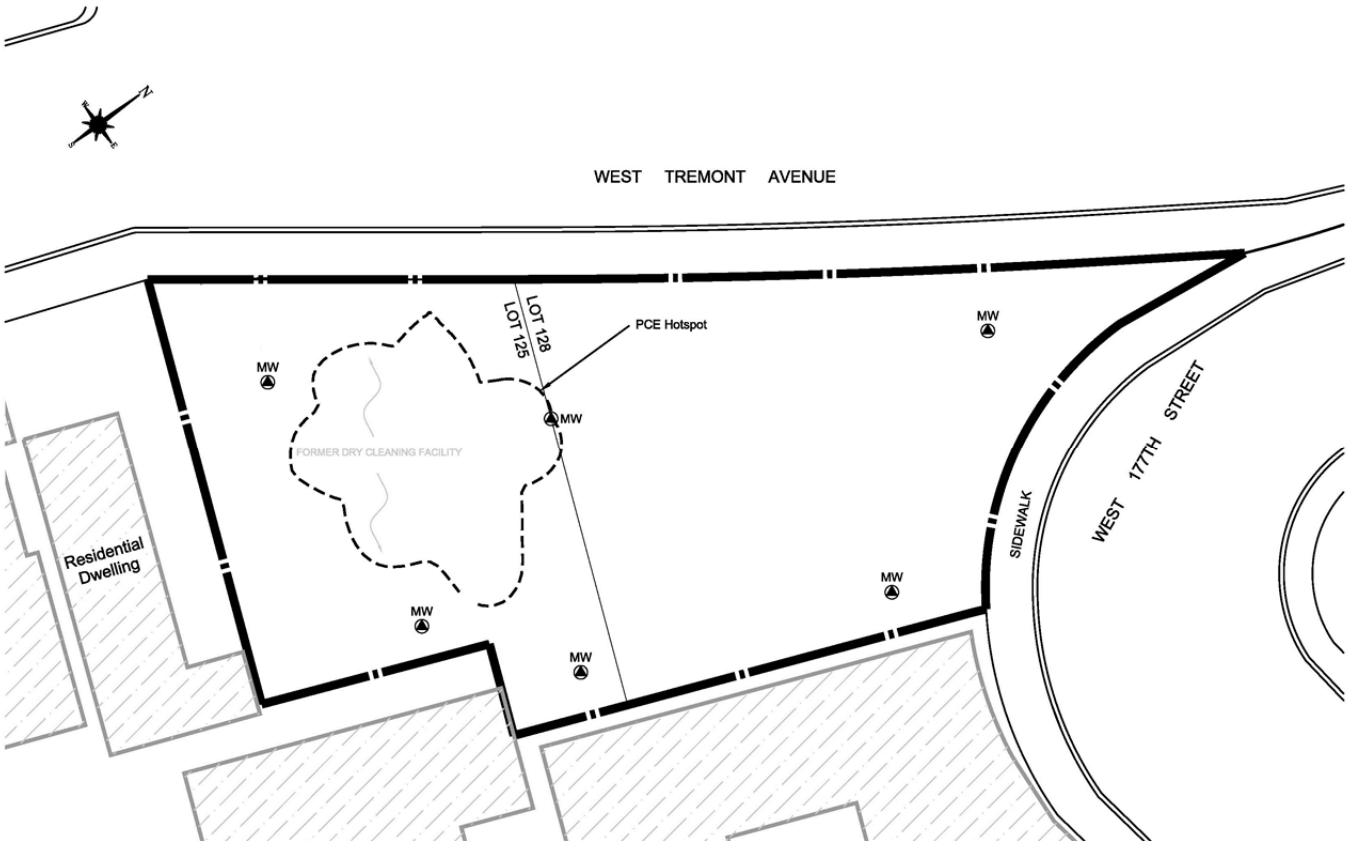


Photo Log

Photo 1 – Truck being loaded with non-hotspot soils.	
Photo 2 – Excavation of non-hotspot soils from the approximate center of the Site.	

Photo 3 – View of lagging along the western wall (adjacent to West Tremont Avenue).	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70		70-85	X	>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	10/03/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued installing lumber lagging along south and west wall.
- Excavation and offsite disposal of non-hotspot soils.
- In Situ Chemical Oxidation injections of PersulfOx into groundwater via monitoring wells for groundwater treatment.

Working In Area: South and Northwest property line along sidewalk cut and non-hotspot areas.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continue lagging installation and off-site disposal of non-hotspot soils

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ							
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons		.
Today	0	0	17	~425 CY	0	0	0	0		
Total	56	~1400 CY	35	~875 CY	0	0	0	0		

Site Grid Map

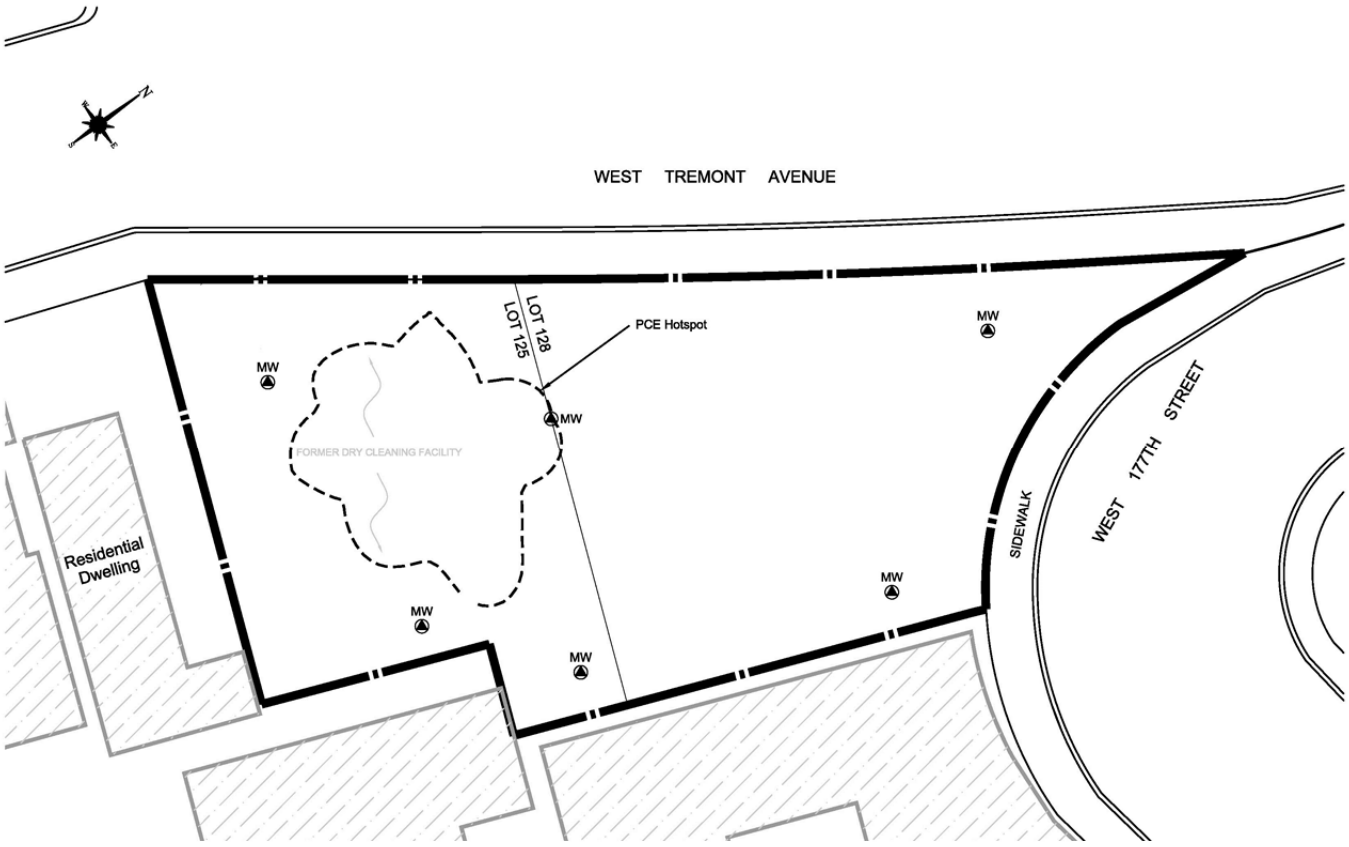


Photo Log

Photo 1 – Truck being loaded with non-hotspot soils.	
Photo 2 – In situ chemical oxidation (ISCO) injection of PersulfOx into a monitoring well.	

Photo 3 – View of western portion of the Site at end of the work day.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70		70-85	X	>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	10/04/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued installing lumber lagging along west wall.
- Application of PersulfOx (chemical oxidation reagent) in the bottom of hotspot excavation.

Working In Area: South and Northwest property line along sidewalk cut and non-hotspot areas.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continue lagging installation and off-site disposal of non-hotspot soils

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ							
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons		.
Today	0	0	0	0	0	0	0	0		
Total	56	~1400 CY	35	~875 CY	0	0	0	0		

Site Grid Map

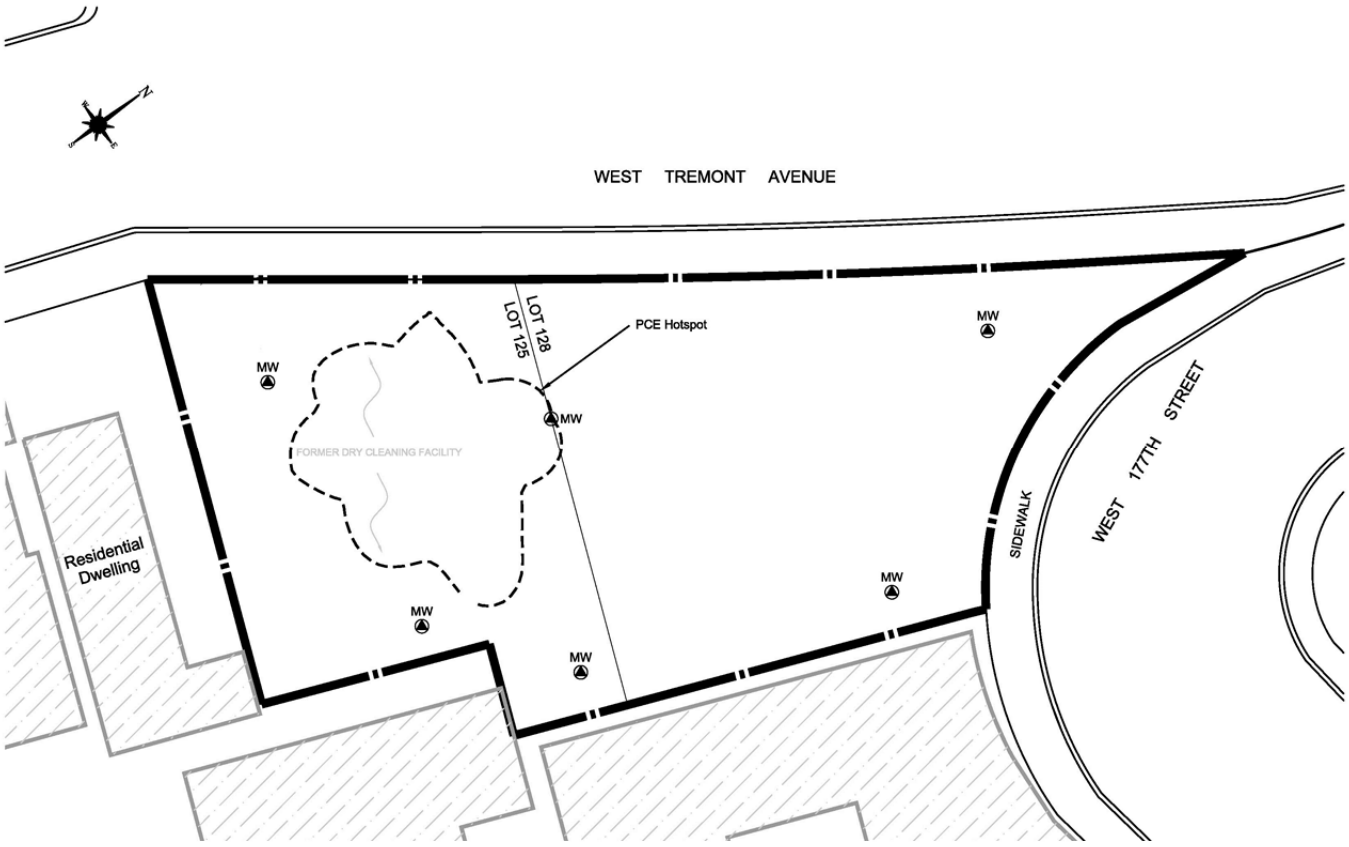


Photo Log

Photo 1 – View of excavation advancing north along western portion of the Site. Bedrock outcrop encountered during excavation.	
Photo 2 – Application of PersulfOx into the bottom of hotspot center, approximately 25 feet below existing grade and at bedrock.	

Photo 3 – View of western portion of the Site, along West Tremont Ave, at end of the work day.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50		50-70	X	70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	10/08/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued installing lumber lagging along west wall adjacent to West Tremont Ave.
- Removal of non-hotspot soil and stone retaining wall debris

Working In Area: Northwest property line along sidewalk cut and non-hotspot areas.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continue lagging installation and off-site disposal of non-hotspot soils and stone retaining wall debris.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ							
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yds. *Or* Gallons	Loads	Cu. Yds. *Or* Gallons		
Today	0	0	16	~400 CY	0	0	0	0		
Total	56	~1400 CY	51	~1275 CY	0	0	0	0		

Site Grid Map

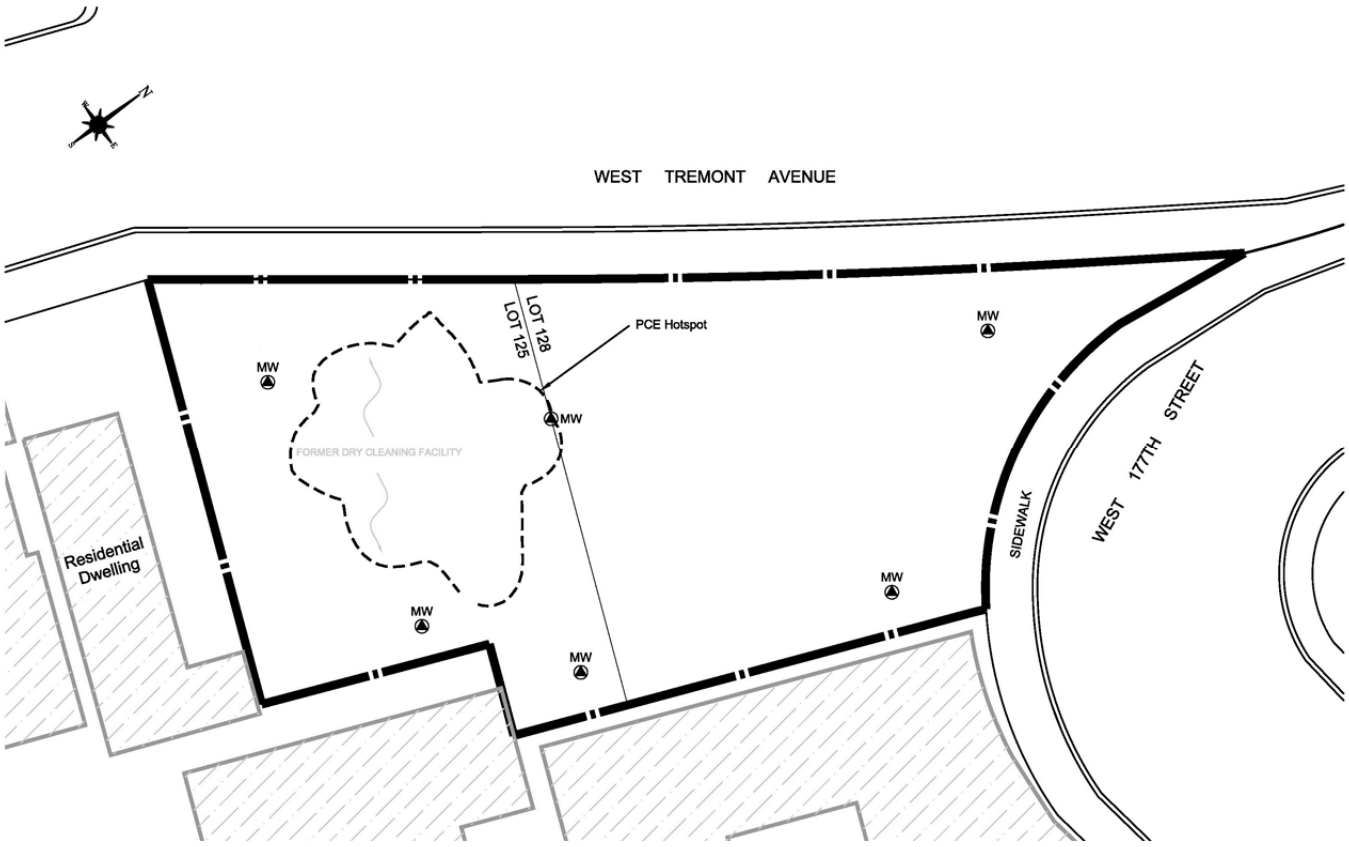


Photo Log

Photo 1 – View of truck being loaded with non-hotspot soil and stone retaining wall debris.	
Photo 2 – View of completed lagging along West Tremont Avenue and excavation advancing north.	

Photo 3 – View of site looking south from West 177th Street at the end of work day.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	10/11/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued excavation and installing lagging along west wall adjacent to West Tremont Ave.
- Removal of non-hotspot soil and stone retaining wall debris

Working In Area: Northwest property line along sidewalk cut and non-hotspot areas.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Complete lagging installation and begin foundation piles installation.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ **Soil**		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ **Soil**		Impact Reuse and Recovery Center – Lyndhurst, NJ **Rock Debris**					
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yds. *Or* Gallons		
Today	0	0	2	~50 CY	8	~200 CY	0	0		
Total	56	~1400 CY	53	~1325 CY	8	~200 CY	0	0		

Site Grid Map

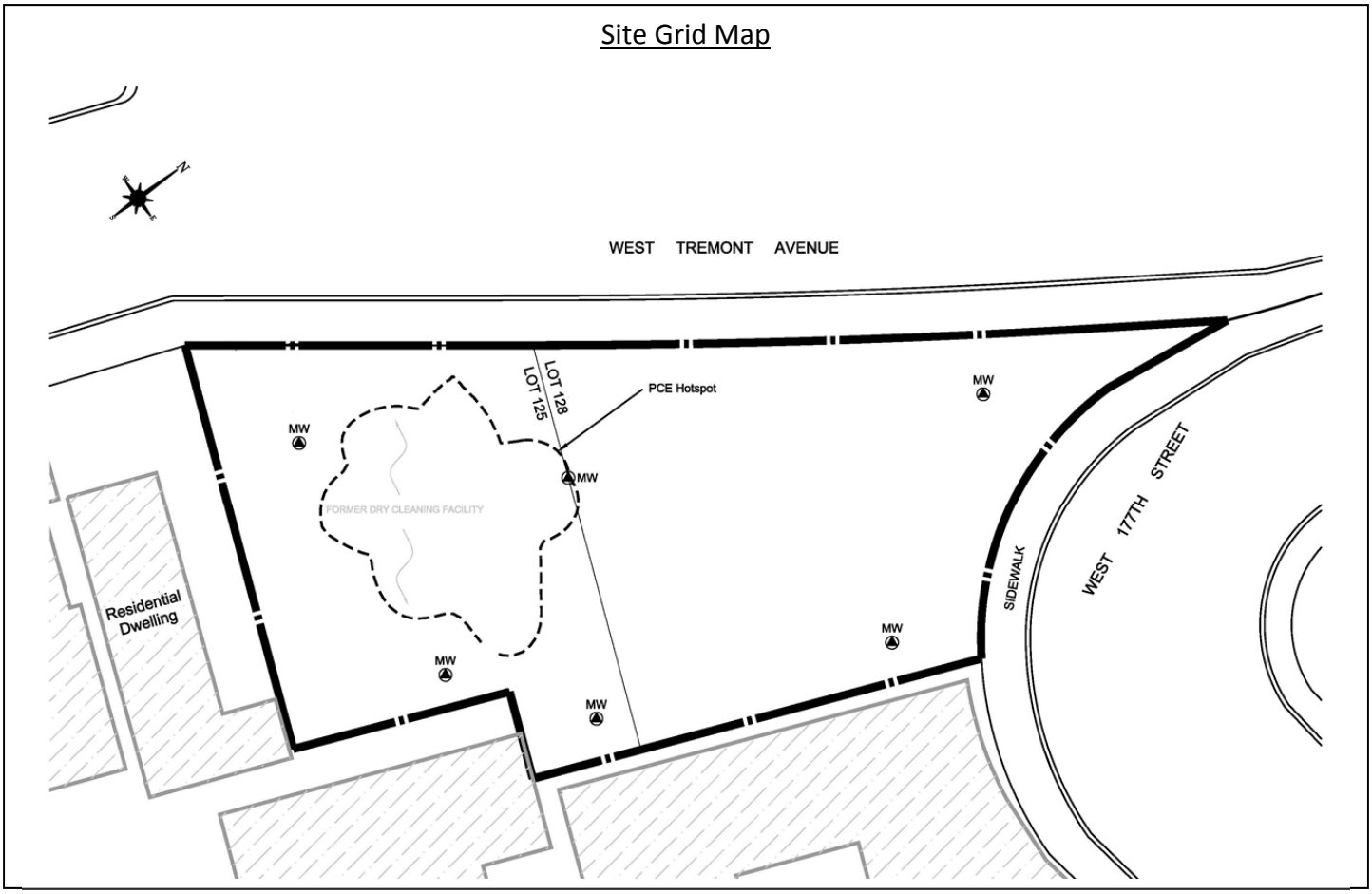


Photo Log

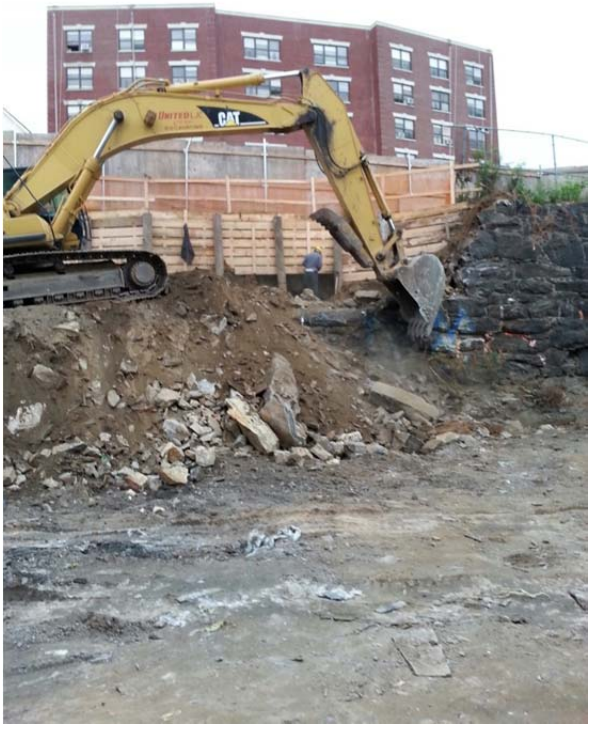
Photo 1 – View of truck being loaded with rock debris from demolished retaining wall.	
Photo 2 – Retaining wall demolition and excavation. Lagging installation can be seen beyond along western property line, adjacent to West Tremont Avenue.	

Photo 3 – View of site looking south from West 177th Street at the end of work day.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	10/17/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued excavation and installing lagging along west wall adjacent to West Tremont Ave.
- Off-site disposal of non-hotspot soil

Working In Area: Northwest property line along sidewalk cut and non-hotspot areas.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Complete lagging installation and begin foundation piles installation.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ **Soil**		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ **Soil**		Impact Reuse and Recovery Center – Lyndhurst, NJ **Rock Debris**					
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yds. *Or* Gallons		
Today	0	0	8	~200 CY	0	0	0	0		
Total	56	~1400 CY	61	~1525 CY	8	~200 CY	0	0		

Site Grid Map

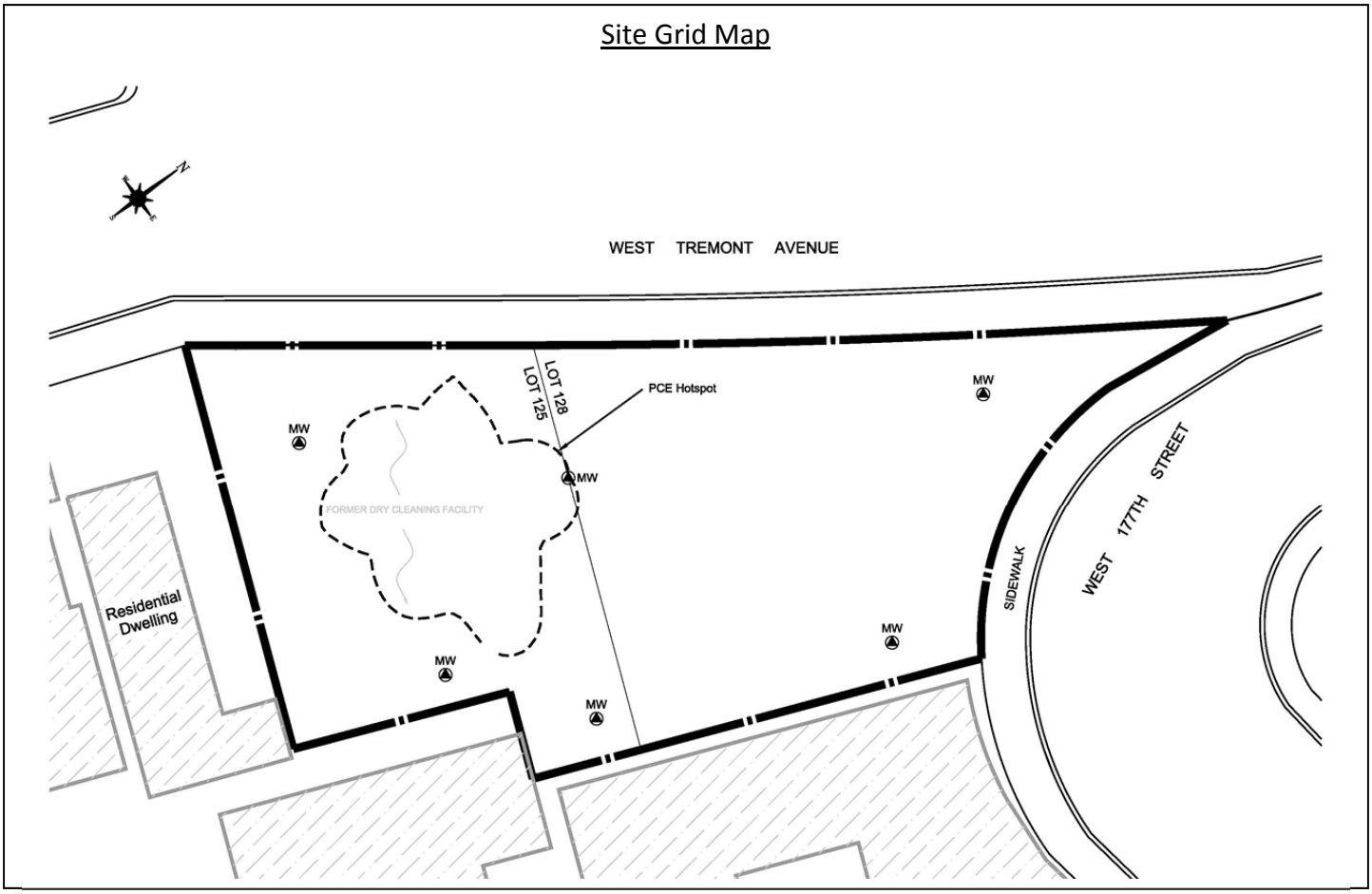


Photo Log

Photo 1 – View of truck being loaded with non-hotspot soils	
Photo 2 – View of excavated soil to be disposed off-site.	

Photo 3 – View of site looking north towards West 177th Street at the end of work day.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50	X	50-70		70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	10/22/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued excavation and installing lagging along west wall adjacent to West Tremont Ave.
- Off-site disposal of non-hotspot soil

Working In Area: Northwest property line along sidewalk cut and non-hotspot areas.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Complete lagging installation and begin foundation piles installation.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ **Soil**		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ **Soil**		Impact Reuse and Recovery Center – Lyndhurst, NJ **Rock Debris**		Former NJ Zinc-West Plant – Palmerton, PA **Soil**			
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards		
Today	0	0	0	0	0	0	33	~825 CY		
Total	56	~1400 CY	61	~1525 CY	8	~200 CY	33	~825 CY		

Site Grid Map

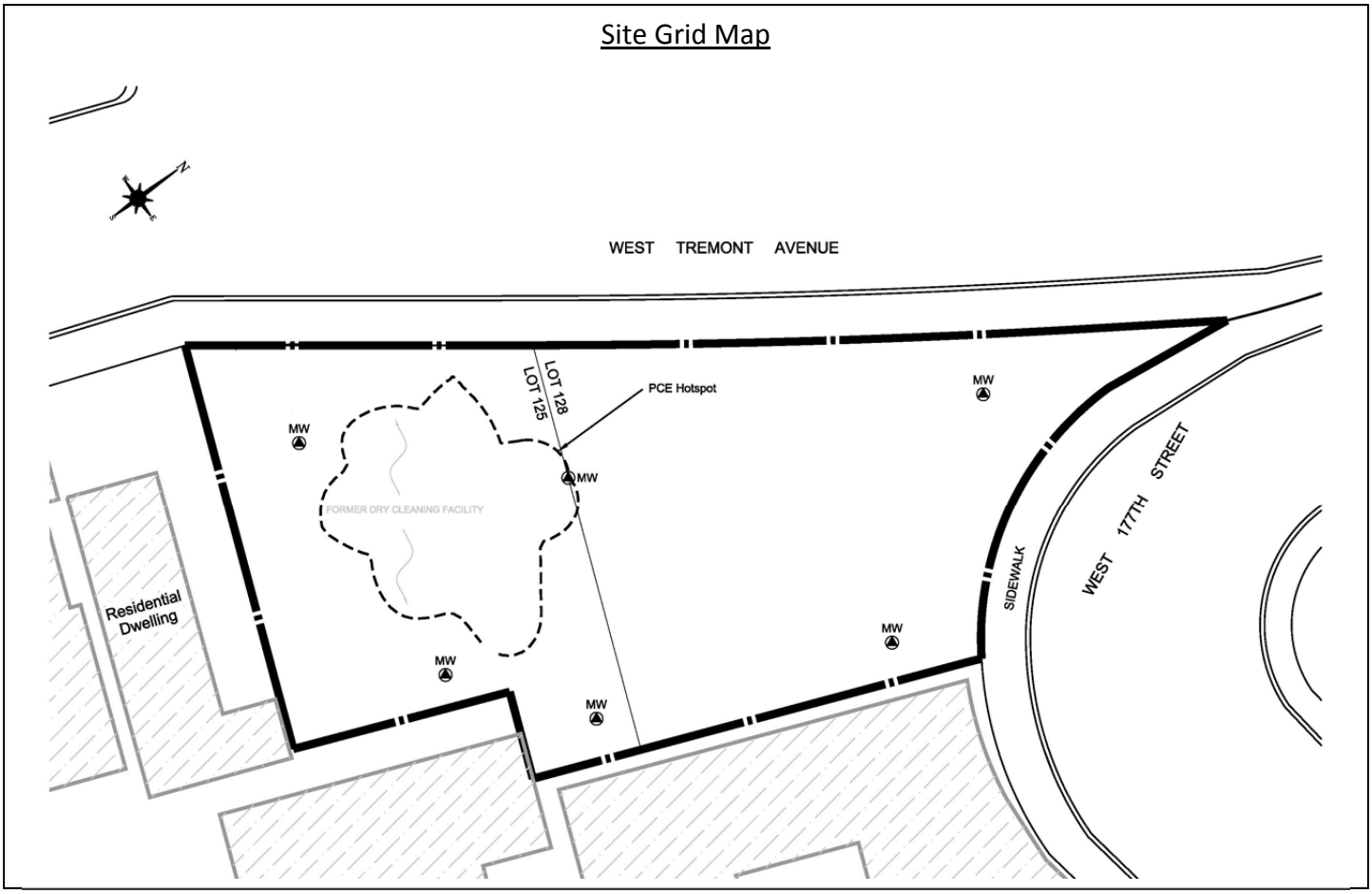


Photo Log

Photo 1 – View of truck being loaded with non-hotspot soils	
Photo 2 – Closeup view of stockpiled material to be disposed offsite.	

Photo 3 – View of excavated material stockpile balance at the end of off-site soil disposal for this day.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50	X	50-70		70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	10/29/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued excavation and installing lagging along west wall adjacent to West Tremont Ave.
- Off-site disposal of non-hotspot soil

Working In Area: Northwest property line along sidewalk cut and non-hotspot areas.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Complete lagging installation and begin foundation piles installation.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ **Soil**		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ **Soil**		Impact Reuse and Recovery Center – Lyndhurst, NJ **Rock Debris**		Former NJ Zinc-West Plant – Palmerton, PA **Soil**			
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards		
Today	0	0	0	0	0	0	14	~350 CY		
Total	56	~1400 CY	61	~1525 CY	8	~200 CY	47	~1175 CY		

Site Grid Map

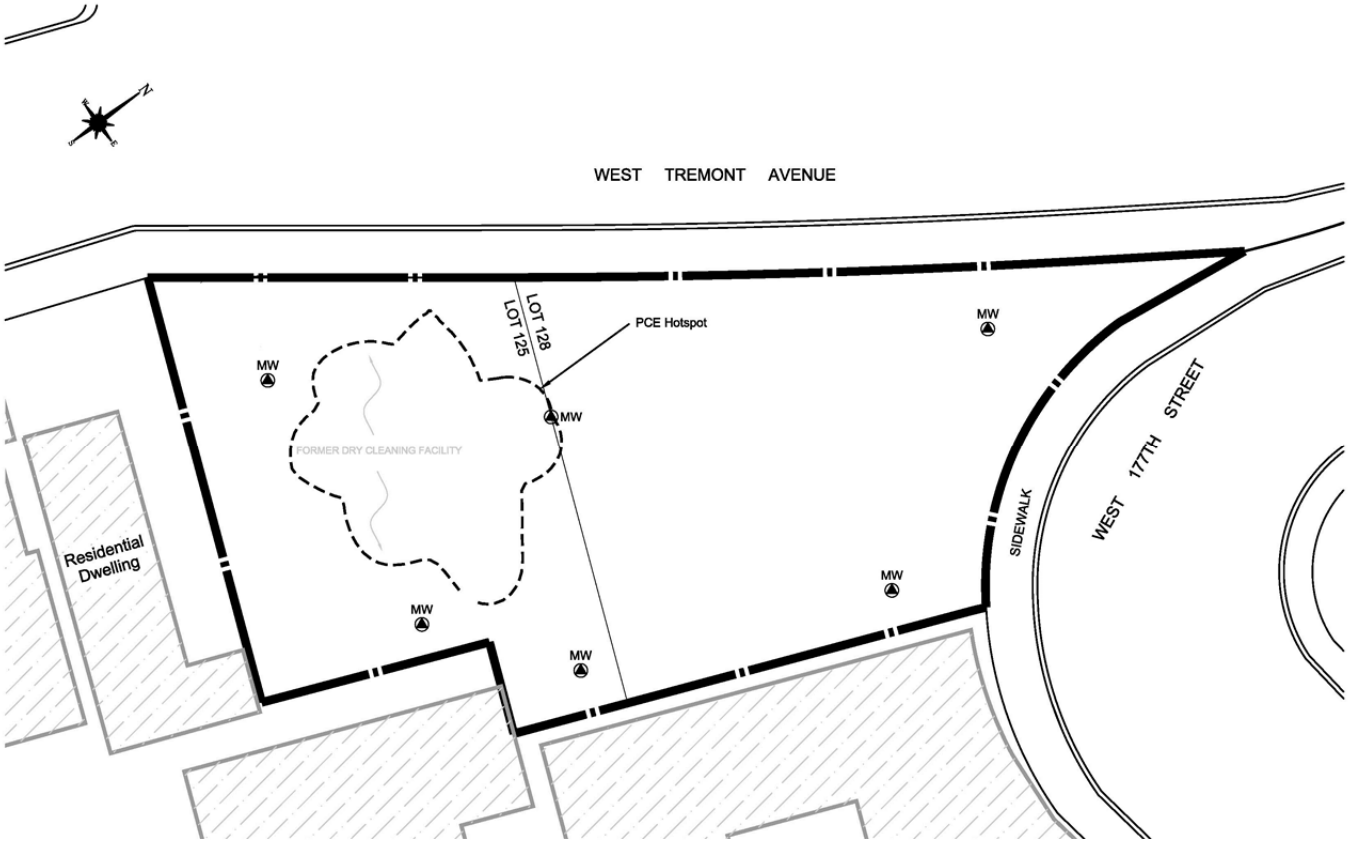


Photo Log

Photo 1 – View of excavated soil stockpile being loaded onto trucks for offsite disposal.	
Photo 2 – View of site looking north towards W 177th street.	

Photo 3 – View of site looking south towards Grand Avenue.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast	X	Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	10/30/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Continued excavation and installing lagging along west wall adjacent to West Tremont Ave.
- Off-site disposal of non-hotspot soil

Working In Area: Northwest property line along sidewalk cut and non-hotspot areas.

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Begin foundation piles installation.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ **Soil**		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ **Soil**		Impact Reuse and Recovery Center – Lyndhurst, NJ **Rock Debris**		Former NJ Zinc-West Plant – Palmerton, PA **Soil**			
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards		.
Today	0	0	0	0	0	0	5	~125 CY		
Total	56	~1400 CY	61	~1525 CY	8	~200 CY	52	~1300 CY		

Site Grid Map

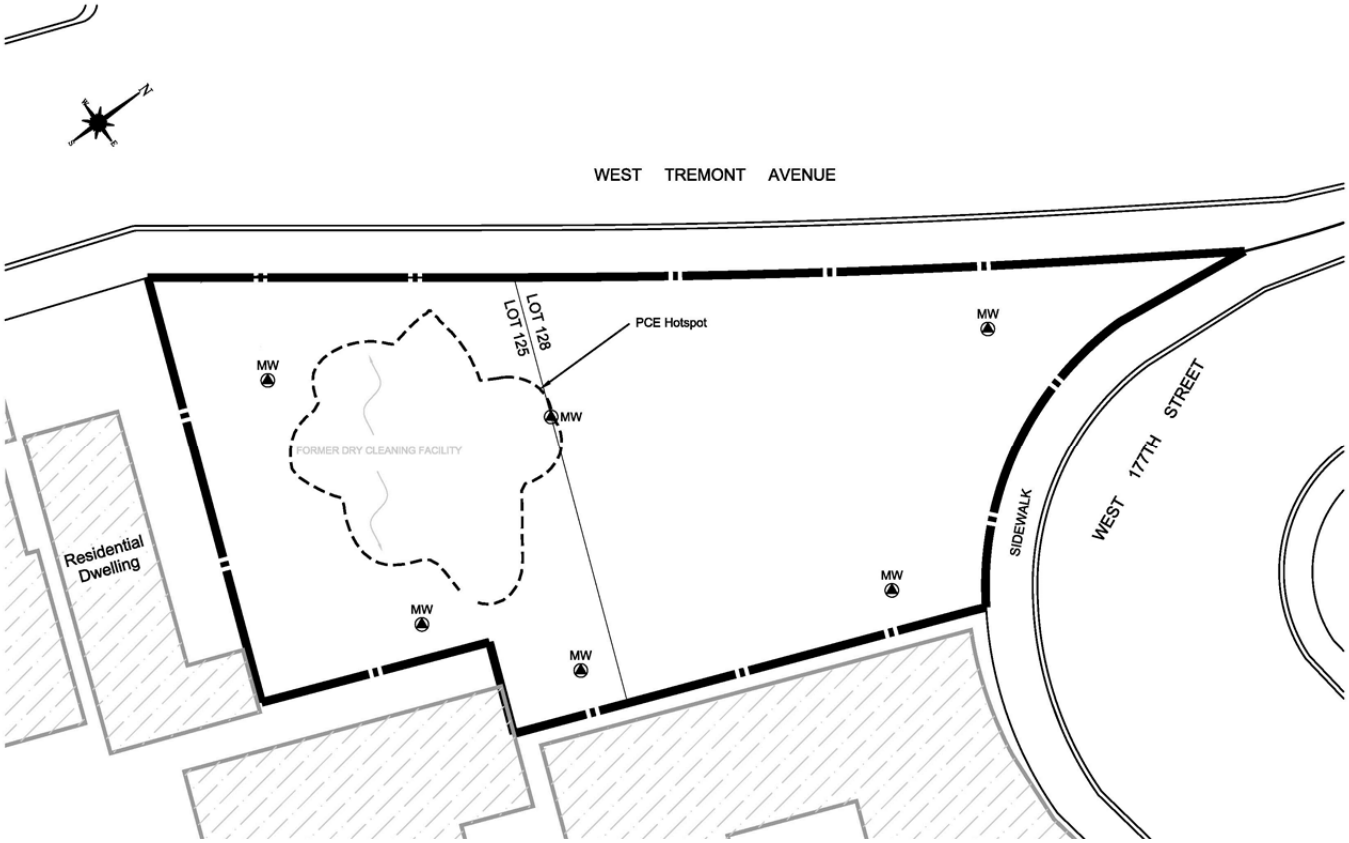


Photo Log

Photo 1 – View of site from W 177th Street at the beginning of the work day.	
Photo 2 – Soil being placed as berm against remaining section of stone retaining wall.	

Photo 3 – View of elevator pit excavation. Bedrock encountered on sidewalls and base.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain	X	Overcast		Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50	X	50-70		70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	12/23/13
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Southern portion of Cellar footings and foundation walls poured.
- Installation of Cellar level piles completed
- Installation of vapor barrier beneath elevator pit and on completed portion of Cellar foundation walls.

Working In Area: Cellar partial foundation structure

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Install formwork on northern portion of Cellar foundation
- Continue installation of Basement level piles.
- Installation of vapor barrier on northern portion of cellar foundation walls.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ **Soil**		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ **Soil**		Impact Reuse and Recovery Center – Lyndhurst, NJ **Rock Debris**		Former NJ Zinc-West Plant – Palmerton, PA **Soil**			
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards		.
Today	0	0	0	0	0	0	0	0		
Total	56	~1400 CY	61	~1525 CY	8	~200 CY	52	~1300 CY		

Site Grid Map

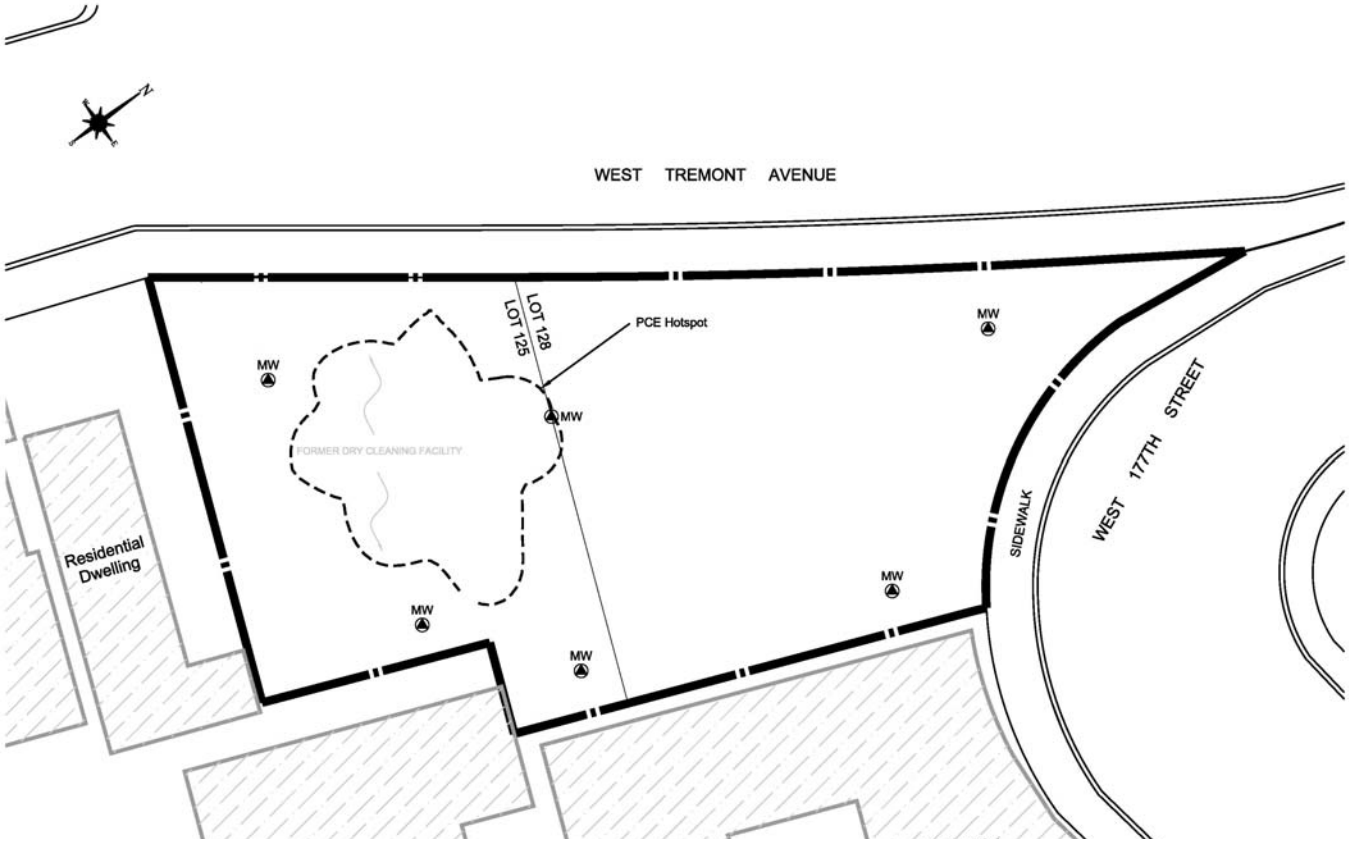


Photo Log

Photo 1 – View of vapor barrier installed on completed northern portion of the Cellar foundation walls.	
Photo 2 – View of vapor barrier installed in elevator pit. Elevator pit slab formwork is being installed over vapor barrier.	

Photo 3 – View of basement level piles being installed on southern portion of the Site.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast	X	Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50	X	50-70		70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	1/20/14
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Northern cellar and basement foundation walls poured.
- Vapor barrier installed along north cellar foundation walls and elevator foundation walls.
- Terrace footing layout and preparation

Working In Area: Cellar partial foundation structure

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Install formwork for foundation wall along W. Tremont Ave and for terrace.
- Complete final foundation piles adjacent to elevator on basement level.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ **Soil**		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ **Soil**		Impact Reuse and Recovery Center – Lyndhurst, NJ **Rock Debris**		Former NJ Zinc-West Plant – Palmerton, PA **Soil**			
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards		.
Today	0	0	0	0	0	0	0	0		
Total	56	~1400 CY	61	~1525 CY	8	~200 CY	52	~1300 CY		

Site Grid Map

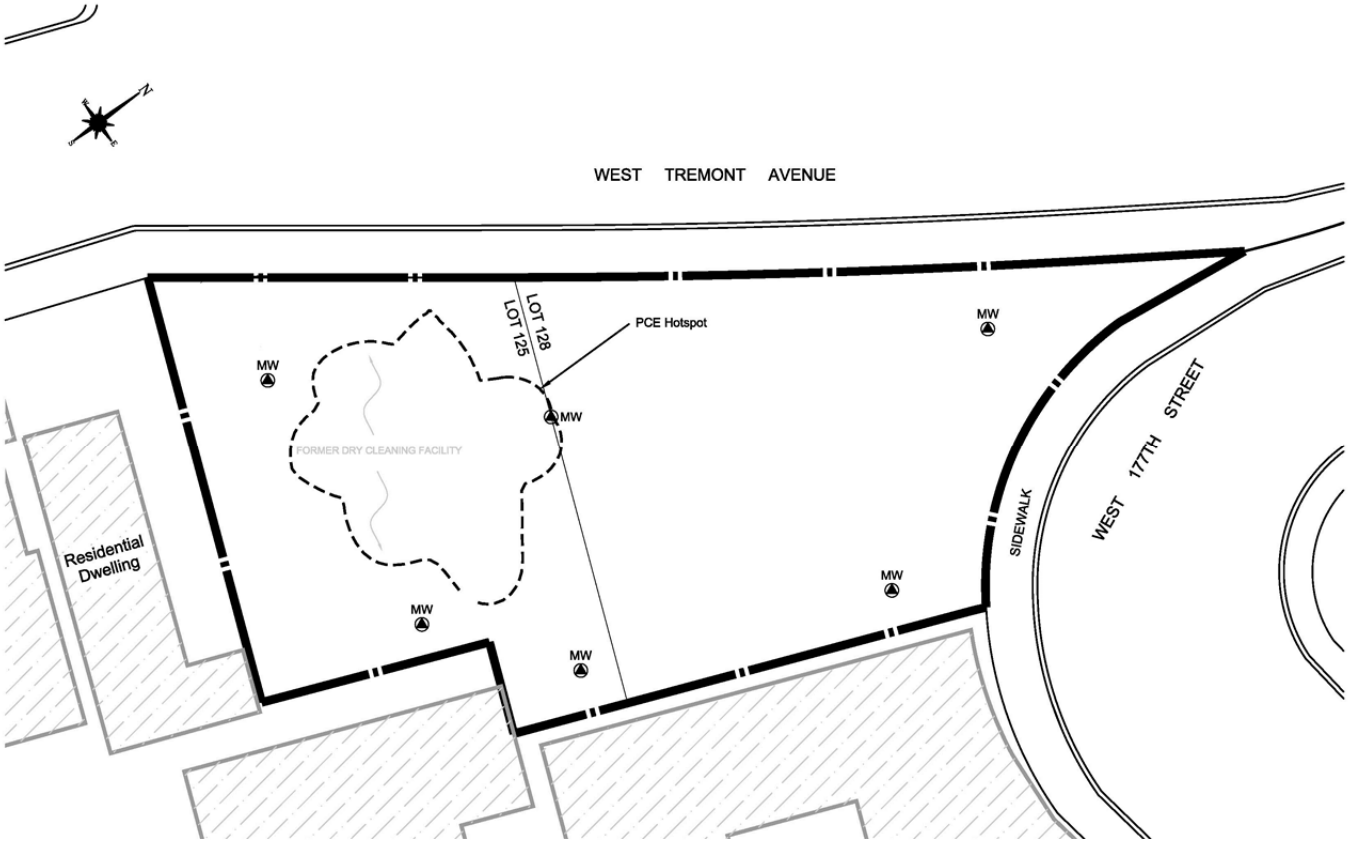


Photo Log

Photo 1 – View of vapor barrier installed on completed northern portion of the Cellar foundation walls.	
Photo 2 – View of vapor barrier installed on elevator shaft foundation walls.	

Photo 3 – View of backfill and compaction around completed elevator shaft foundation walls with vapor barrier.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32	X	32-50		50-70		70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	2/11/14
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Southern portion of terrace foundation walls poured and backfilled.
- Vapor barrier installed along west foundation wall adjacent to W. Tremont Ave

Working In Area: Cellar/basement partial foundation structure

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Complete final foundation piles adjacent to elevator on basement level.
- Continue forming southern foundation footings and walls

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ **Soil**		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ **Soil**		Impact Reuse and Recovery Center – Lyndhurst, NJ **Rock Debris**		Former NJ Zinc-West Plant – Palmerton, PA **Soil**			
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards		
Today	0	0	0	0	0	0	0	0		
Total	56	~1400 CY	61	~1525 CY	8	~200 CY	52	~1300 CY		

Site Grid Map

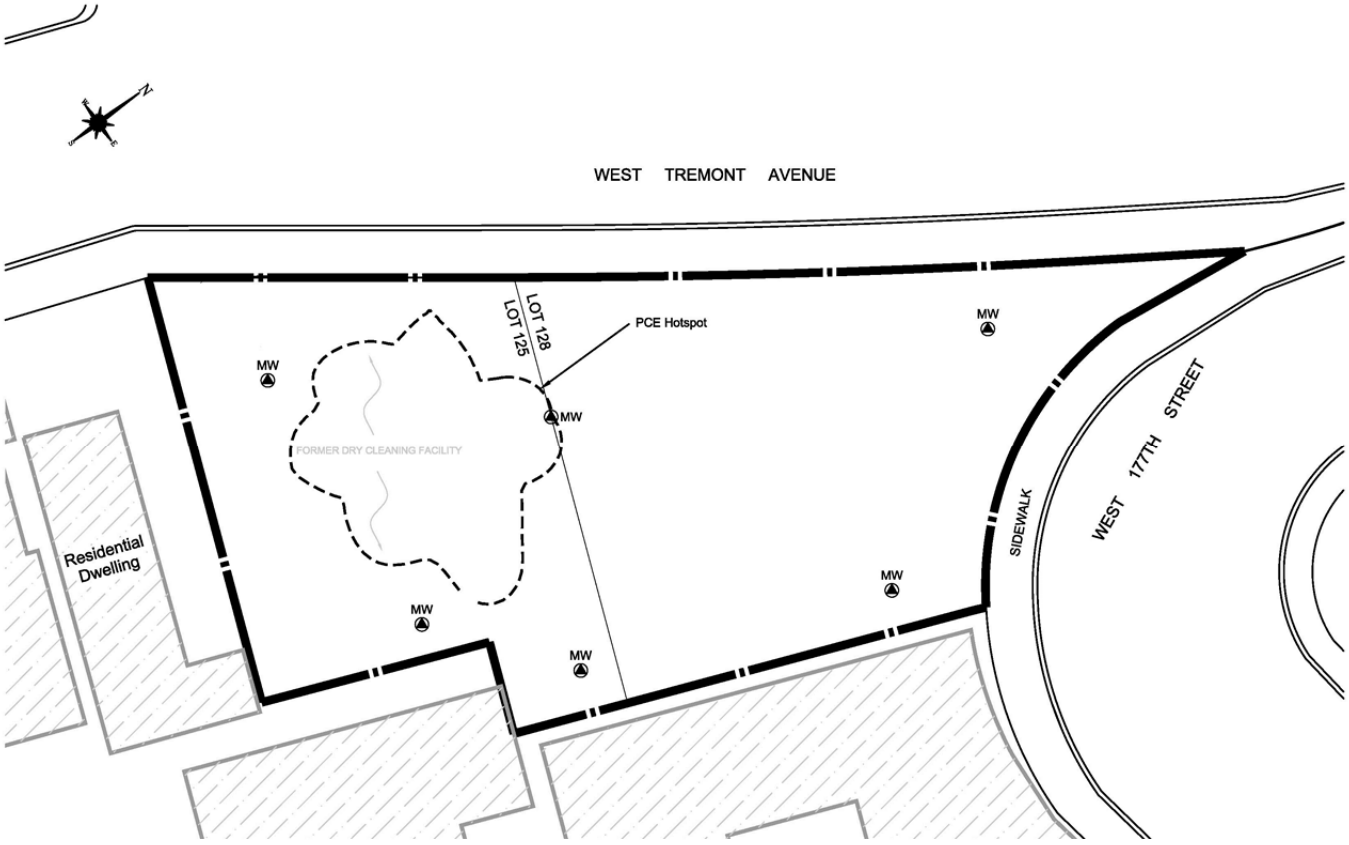


Photo Log

Photo 1 – View of vapor barrier installed on completed western portion of basement foundation walls adjacent to W. Tremont Ave.	
Photo 2 – View of vapor barrier installed on completed western portion of basement foundation walls at transition from basement level to cellar level.	

Photo 3 – View of completed basement level west foundation walls looking north.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32	X	32-50		50-70		70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	3/4/14
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Southern portion of terrace foundation walls poured and backfilled.
- Basement level footings poured.
- Final foundation piles installed
- Vapor barrier installed along west foundation wall adjacent to W. Tremont Ave

Working In Area: Cellar/basement partial foundation structure

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Continue forming south foundation footings and walls
- Continue forming remaining terrace structure.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ **Soil**		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ **Soil**		Impact Reuse and Recovery Center – Lyndhurst, NJ **Rock Debris**		Former NJ Zinc-West Plant – Palmerton, PA **Soil**			
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards		.
Today	0	0	0	0	0	0	0	0		
Total	56	~1400 CY	61	~1525 CY	8	~200 CY	52	~1300 CY		

Site Grid Map

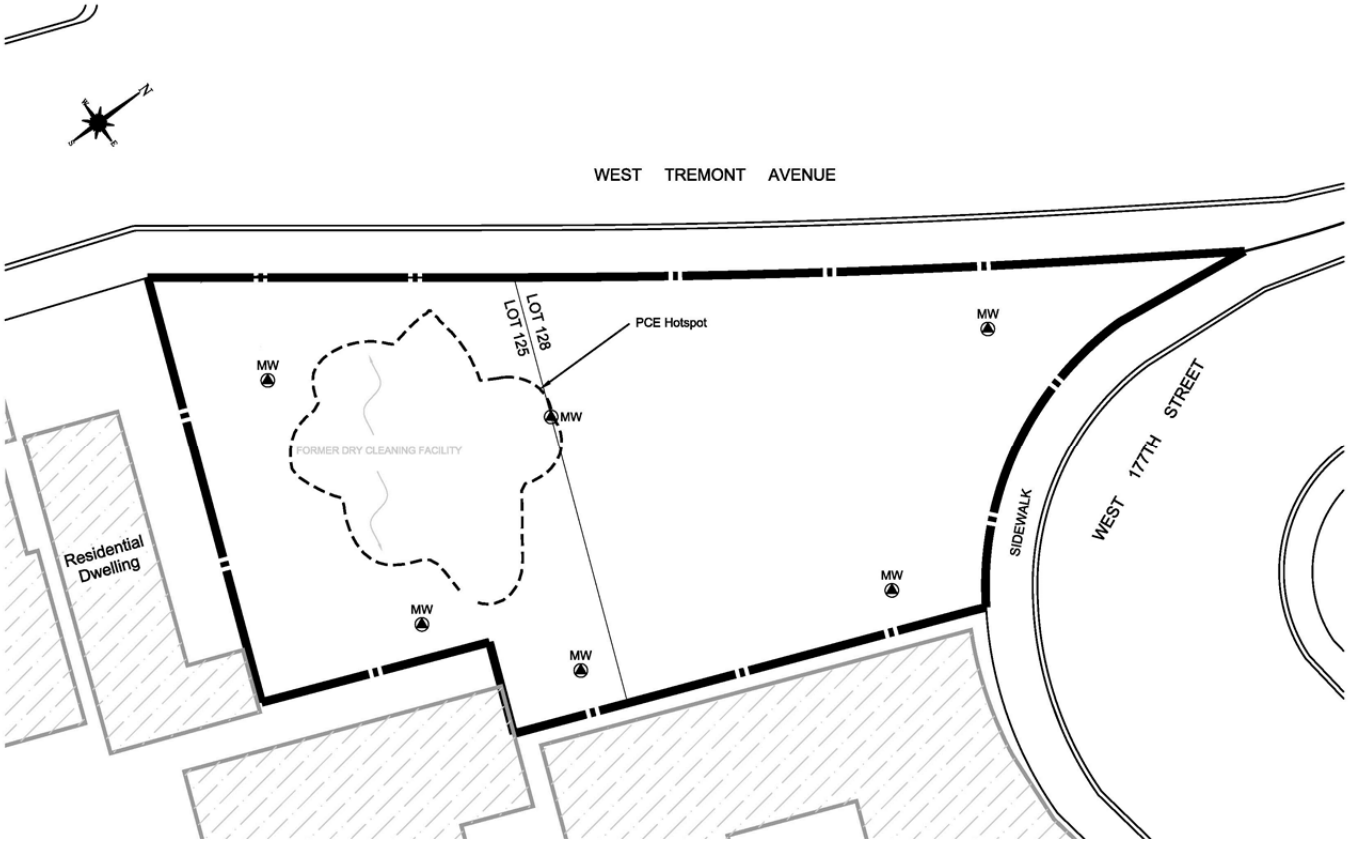


Photo Log

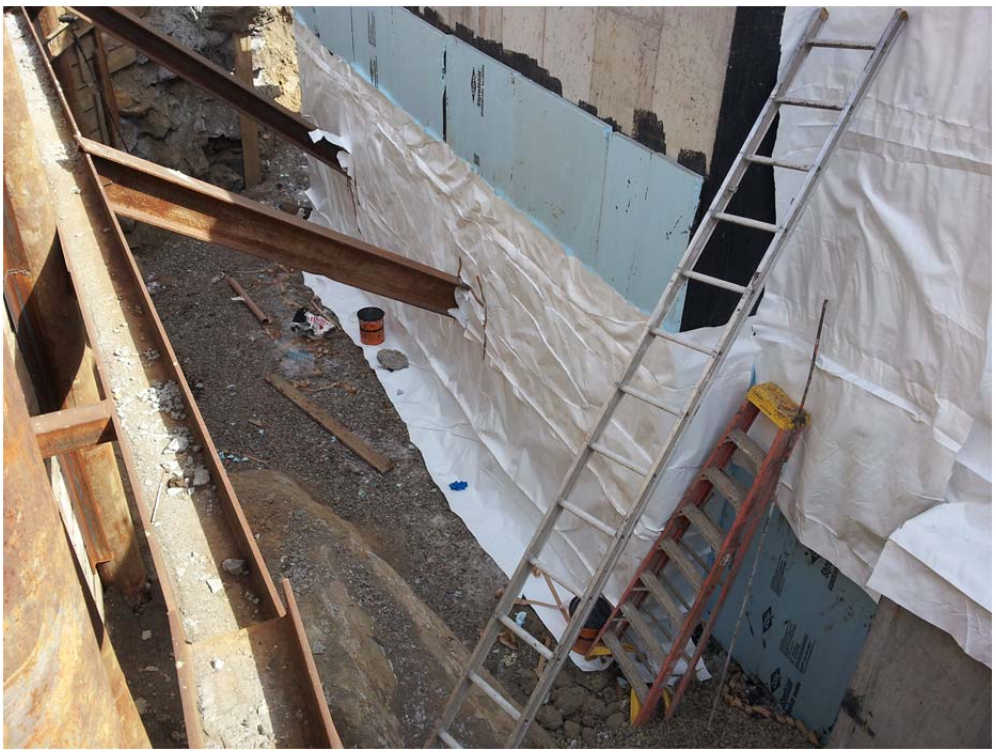
Photo 1 – View of 10-foot height section of vapor barrier installed on northwest corner of the foundation. Remaining height of vapor barrier to be installed after area is backfilled to raise elevation.	
Photo 2 – Raker interface at foundation wall being sealed with bitumen around vapor barrier penetration.	

Photo 3 – West foundation wall adjacent to W. Tremont Ave being backfilled after vapor barrier installation.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50	X	50-70		70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	3/24/14
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Southern and Western concrete foundation walls completed
- Vapor barrier installed along south half of west foundation wall adjacent to W. Tremont Ave

Working In Area: Cellar/basement partial foundation structure

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Completion of major concrete work
- Continue installation of vapor barrier on south foundation wall.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ **Soil**		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ **Soil**		Impact Reuse and Recovery Center – Lyndhurst, NJ **Rock Debris**		Former NJ Zinc-West Plant – Palmerton, PA **Soil**			
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards		.
Today	0	0	0	0	0	0	0	0		
Total	56	~1400 CY	61	~1525 CY	8	~200 CY	52	~1300 CY		

Site Grid Map

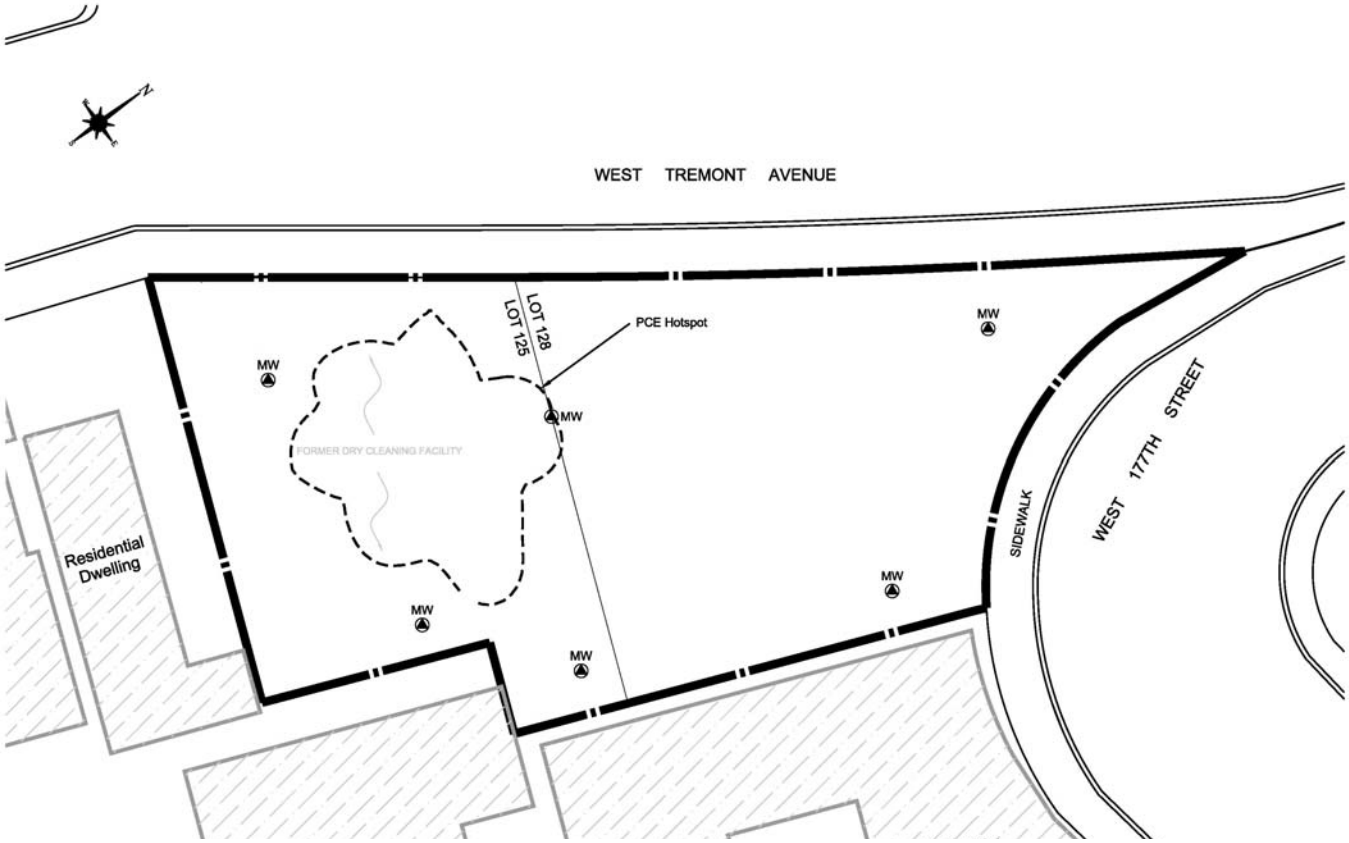


Photo Log

Photo 1 – View of the site looking north towards West Tremont Avenue. Western concrete foundation wall complete.	
Photo 2 – Vapor barrier installed on the remaining southern portion of the west foundation wall.	

Photo 3 – View of vapor barrier installation on corner of west foundation wall and south foundation wall.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy		Bright Sun	X
TEMP.	< 32		32-50	X	50-70		70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	3/26/14
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Vapor barrier installed along south foundation wall.
- West foundation wall where vapor barrier was installed on 3/24/14 backfilled.

Working In Area: Cellar/basement partial foundation structure

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Completion of major concrete work
- Complete installation of vapor barrier in remaining north corner of west foundation wall.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ **Soil**		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ **Soil**		Impact Reuse and Recovery Center – Lyndhurst, NJ **Rock Debris**		Former NJ Zinc-West Plant – Palmerton, PA **Soil**			
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards		.
Today	0	0	0	0	0	0	0	0		
Total	56	~1400 CY	61	~1525 CY	8	~200 CY	52	~1300 CY		

Site Grid Map

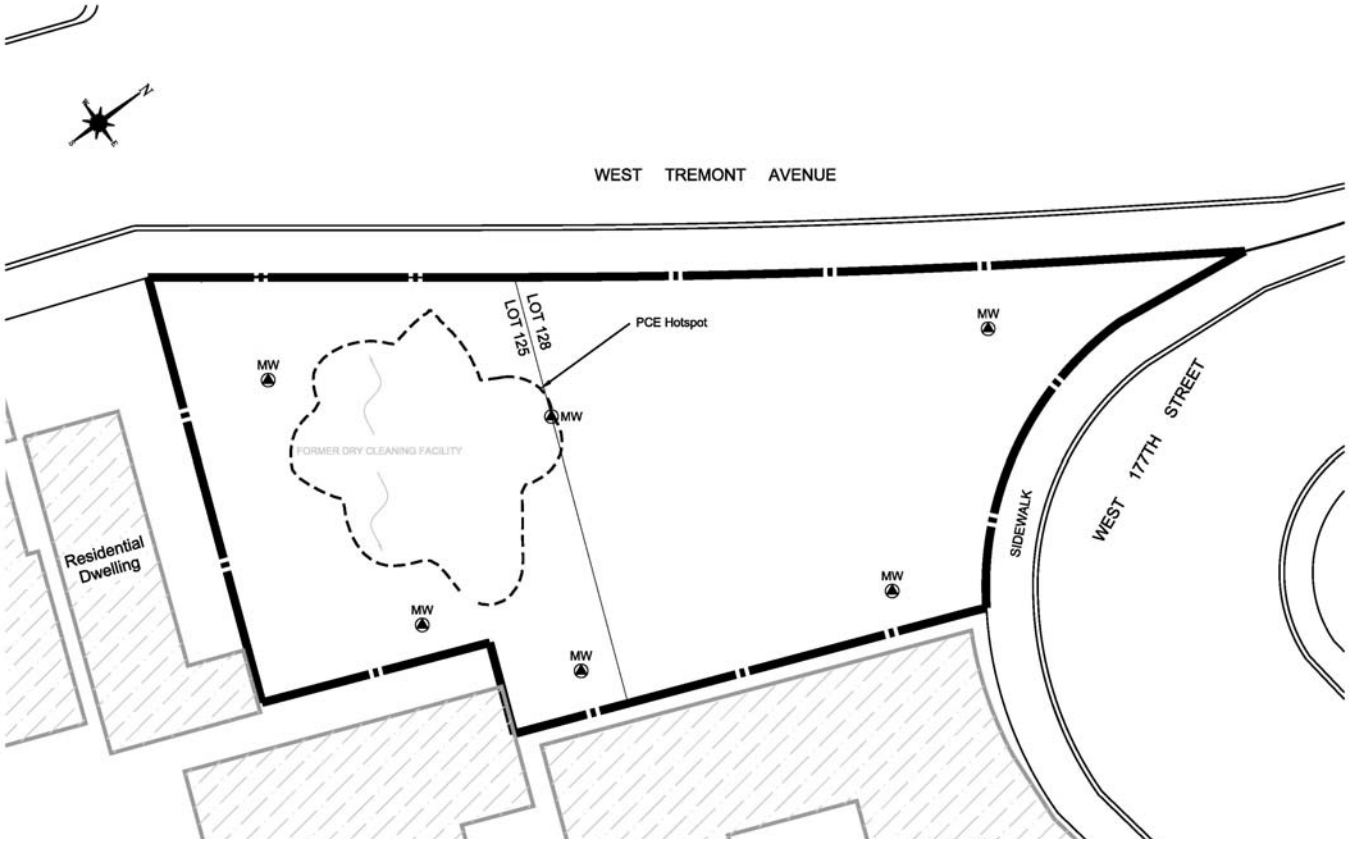


Photo Log

Photo 1 – View of the site looking south. Completed south basement concrete foundation wall.	
Photo 2 – Vapor barrier installed on the southern foundation wall.	

Photo 3 – View of the site looking north towards W 177th Street. Backfill placed at west foundation wall can be seen on bottom left.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast	X	Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50	X	50-70		70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	4/04/14
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Sub-slab Depressurization System (SSDS) underground piping installed in cellar level, except for cellar Social Service Activity Room in northwest corner of the building due to pending underground utility installations.
- Sub-slab vapor barrier installed in cellar level, except for cellar Social Service Activity Room in northwest corner of the building due to pending underground utility installations.

Working In Area: Cellar/basement foundation structure

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Installation of SSDS and sub-slab vapor barrier in basement level
- Pour concrete slab in basement and cellar levels.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ **Soil**		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ **Soil**		Impact Reuse and Recovery Center – Lyndhurst, NJ **Rock Debris**		Former NJ Zinc-West Plant – Palmerton, PA **Soil**			
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards		
Today	0	0	0	0	0	0	0	0		
Total	56	~1400 CY	61	~1525 CY	8	~200 CY	52	~1300 CY		

Site Grid Map

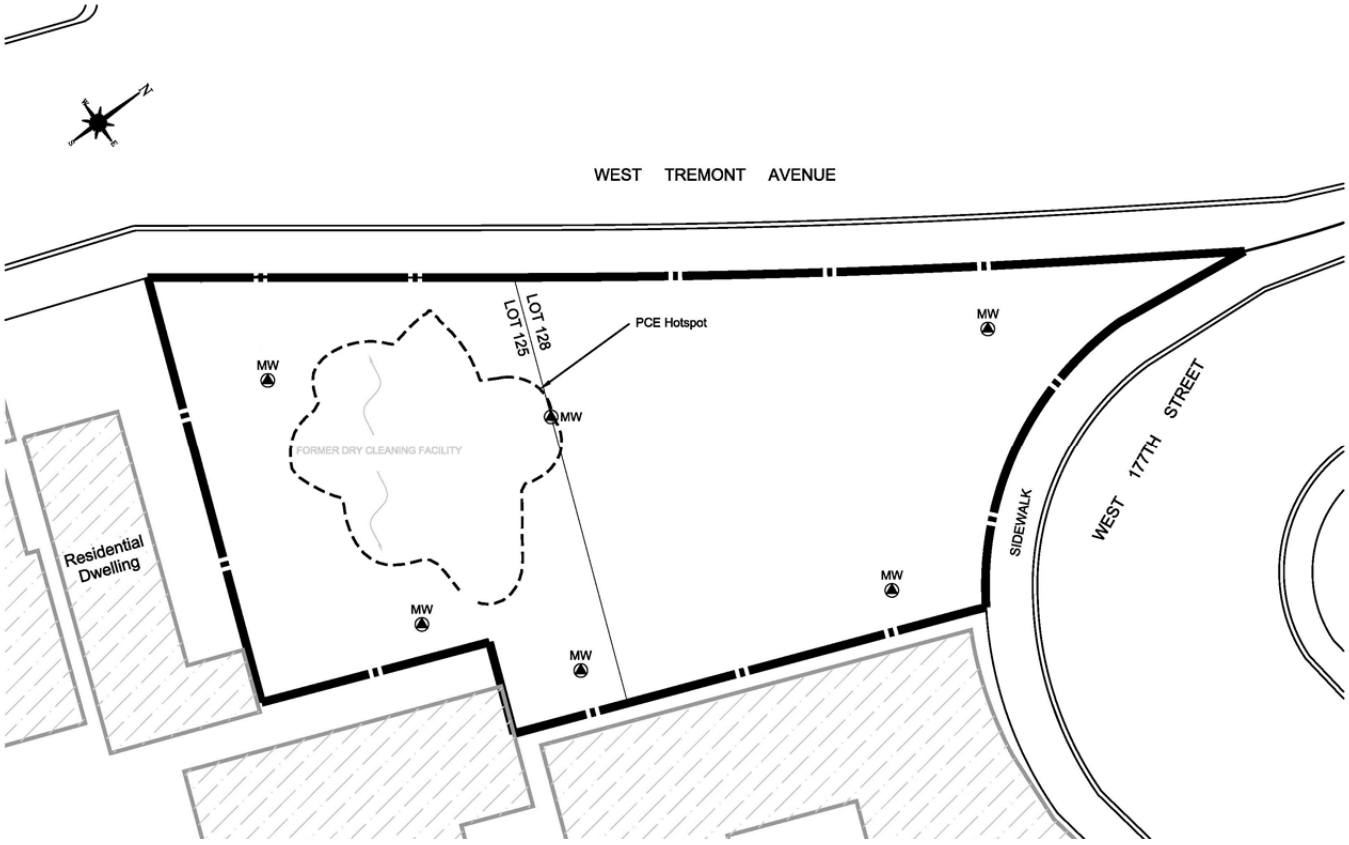


Photo Log

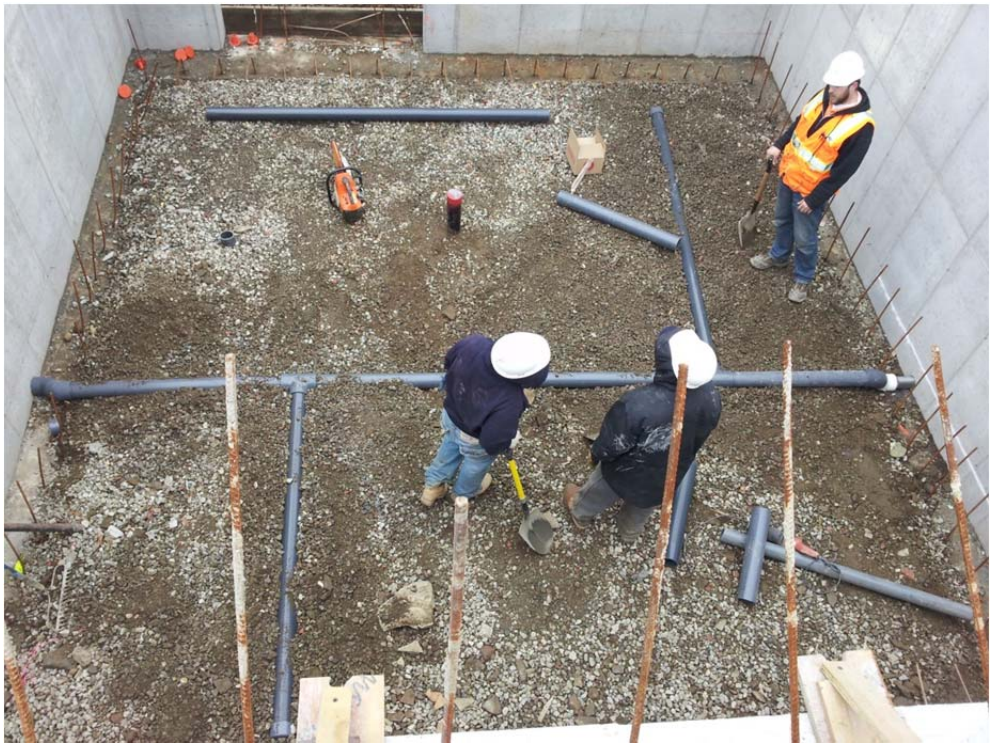
Photo 1 – View of SSDS piping installed in the cellar Refuse/Recycling Room prior to crushed-stone cover.	
Photo 2 – View of SSDS piping installed in the cellar Boiler Room prior to crushed-stone cover.	

Photo 3 – View of SSDS piping installed in the cellar Recreation Room. Crushed stone cover being placed over piping.	
Photo 4 – View of sub-slab vapor barrier installed in cellar.	

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

DAILY STATUS REPORT

WEATHER	Snow		Rain		Overcast		Partly Cloudy	X	Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	4/07/14
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Sub-slab Depressurization System (SSDS) underground piping installed in basement level.
- Sub-slab vapor barrier installed in basement level.

Working In Area: Cellar/basement foundation structure

Samples Collected (Since Last Report):

- No samples collected

Air Monitoring (Since Last Report):

- Particulate levels within acceptable range.

Problems Encountered:

- No problems encountered.

Planned Activities for the Next Day/ Week:

- Pour concrete slab in basement and cellar levels.

Facility # Name/ Location Type of Waste Solid Or Liquid	Cumberland County Solid Waste Complex – Millville, NJ Via IRRC – Lyndhurst, NJ **Soil**		Former NJ Zinc-West Plant – Palmerton, PA Via IRRC – Lyndhurst, NJ **Soil**		Impact Reuse and Recovery Center – Lyndhurst, NJ **Rock Debris**		Former NJ Zinc-West Plant – Palmerton, PA **Soil**			
(Trucks, Cu.Yds. Or Gallons)	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards	Loads	Cu. Yards		
Today	0	0	0	0	0	0	0	0		
Total	56	~1400 CY	61	~1525 CY	8	~200 CY	52	~1300 CY		

Site Grid Map

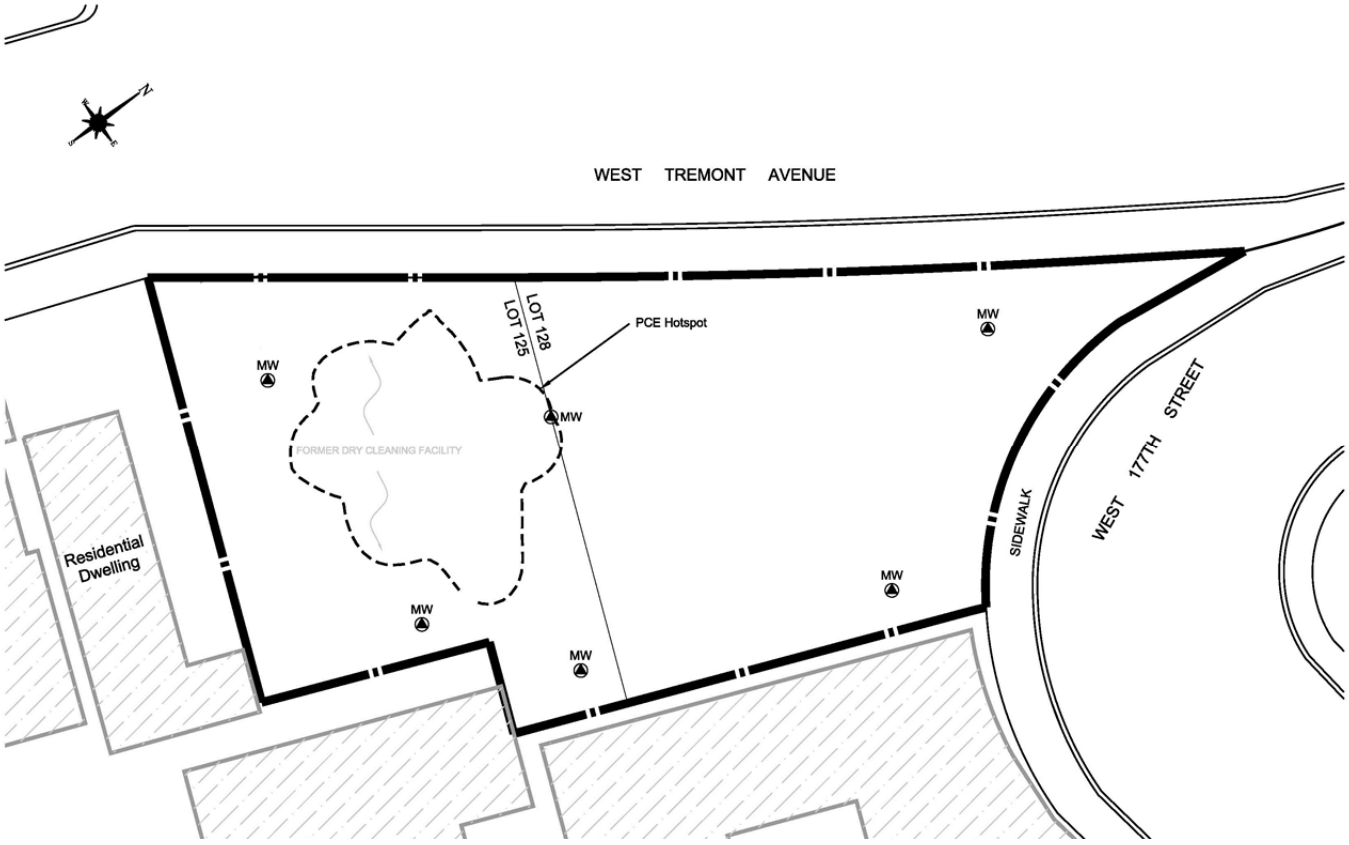


Photo Log

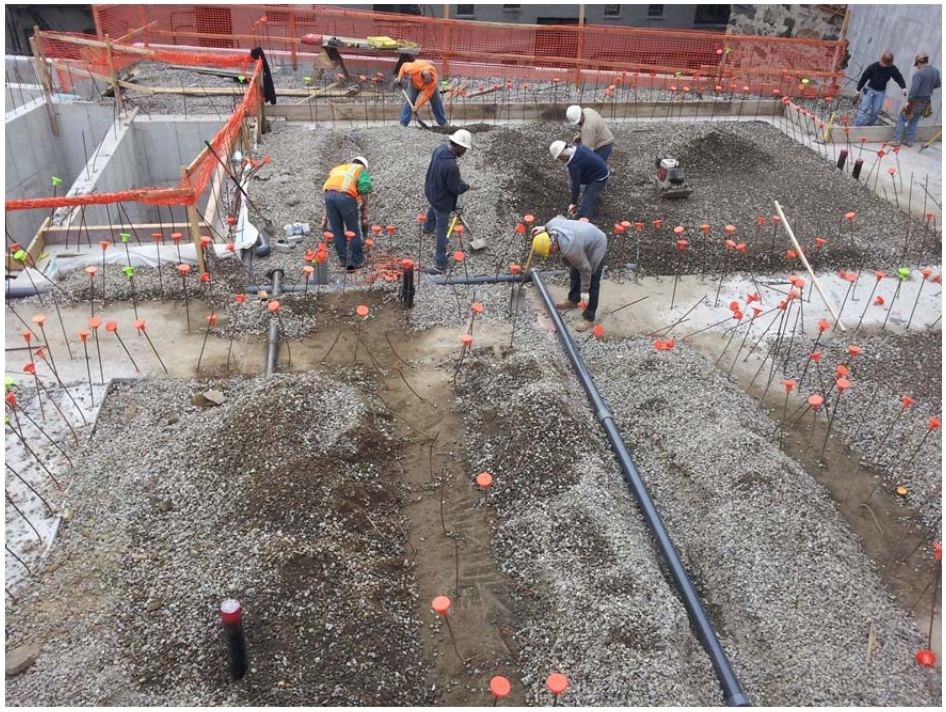
Photo 1 – View of SSDS piping installed in the basement Storage Room prior to crushed-stone cover.	
Photo 2 – View of SSDS piping installed in the basement Utility Rooms, Bicycle Parking Room and Bedroom. Crushed-stone cover being placed over piping to the right.	

Photo 3 – View of basement level. Crushed stone cover installed over SSDS piping. Sub-slab vapor barrier installation in Bicycle Parking Room.	
Photo 4 – View of sub-slab vapor barrier installed in basement level.	

APPENDIX E

CAMP DATA

On- Site Dust and Volatile Organic Vapor Monitoring

Project: West Tremont Residence | Job No.: 2166-06-02-2000

Location: 92 West Tremont, Bronx, NY | On-site Personnel: CO

Day & Date: 8/20/13 TUES | Weather: Sunny, hot

	AM	PM	
			Sample Interval: 15 minutes
Wind Direction	N/A		Background Reading (particulates) 0.000 mg/m³
Temperature Range:	70-85 °F		Background Reading (organic vapors) 0 ppm
Calibration Dates:	Particulate Meters: 8/12/13		Photoionization Detector: 8/12/13
Action Level/Response:	Organic vapors: > 5ppm above background levels/ 15 minute readings		
	Particulates: 0.100 mg/m³ above up wind reading/15 minute period		

Time	Particulate levels: UPWIND (mg/m³)	Particulate levels: DOWNWIND (mg/m³)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700	–	–	–	
0715	–	–	–	
0730	~~0~~	~~–~~	0.0	Installing casing tubes
0745	–	–	0.0	digging + " " "
0800	–	–	0.0	
0815	–	–	0.0	
0830	–	–	0.0	
0845	–	–	0.0	
0900	–	–	0.0	
0915	0.000	0.000	0.0	
0930	0.002	0.004	0.0	
0945	0.000	0.000	0.0	
1000	0.005	0.005	0.0	
1015	0.003	0.008	0.0	
1030	0.004	0.010	0.0	
1045	0.002	0.001	0.0	
1100	0.008	0.016	0.0	
1115	0.012	0.009	0.0	
1130	0.005	0.001	0.0	
1145	0.007	0.010	0.0	
1200	0.005	0.014	0.0	

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date:

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANCI VAPOR LEVELS (ppm)	NOTES
1215	0.000	0.002	0.0	No work
1230	↓	0.000	↓	↓
1245	↓	↓	↓	↓
1300	↓	↓	↓	↓
1315	0.035	0.009	0.0	organizing soldier
1330	0.017	0.019	0.0	piles and rubble
1345	0.002	0.013	0.0	
1400	0.004	0.007	0.0	No work
1415	0.002	0.009	0.0	No work
1430	0.005	0.004	0.0	No work
1445	—	—	↓	No work
1500				
1515				
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project: West Tremont Residence | Job No.: 2166-06-02-2000

Location: 92 West Tremont, Bronx, NY | On-site Personnel: David Stimas

Day & Date: Thurs 8/22/13 | Weather: Cloudy, light rain

	AM	PM			
Wind Direction	SSW 8-10mph	NW	Sample Interval:	15 minutes	
Temperature Range:	75 - 77 °F		Background Reading (particulates)	0.030	mg/m³
Calibration Dates:	Particulate Meters: 8/21		Background Reading (organic vapors)	0	ppm
Action Level/Response:	Photoionization Detector: 8/14				
	Organic vapors: > 5ppm above background levels/ 15 minute readings				
	Particulates: 0.100 mg/m³ above up wind reading/15 minute period				

Time	Particulate levels: UPWIND (mg/m³)	Particulate levels: DOWNWIND (mg/m³)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700				
0715				
0730				
0745				
0800	0.025	0.027	0	Ambients Checked, excavator Starting
0815	0.027	0.050	0	Digging for Placement of Stabilizer Pipes
0830	0.020	0.034	0	Lifting Pipes w/ excavator
0845	0.008	0.036	0	Clearing for another Stabilizer Pipe.
0900	0.025	0.060	0	Break, Foreman Planning
0915	0.00	0.00	0	No work, Storming
0930	0.00	0.00	0	No work, Storm
0945	0.00	0.00	0	No work, Storm
1000	0.00	0.00	0	No work
1015	0.00	0.00	0	No work
1030	0.00	0.00	0	No work
1045	0.00	0.00	0	No work
1100	0.00	0.00	0	No work
1115	0.00	0.00	0	Plugging Stabilizer Pipe
* 1130	0.00	0.00	0	Pulling around Pipe
1145	0.00	0.00	0	Pulling Pipe
1200	0.00	0.00	0	Packing Up

Storm over, light rain

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: Thursday 8/22/13

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANCI VAPOR LEVELS (ppm)	NOTES
1215	0.00	0.00	0	No work
1230	0.00	0.00	0	No work
1245	0.00	0.00	0	No work
1300	0.00	0.00	0	Clearing for Stabilizer Pipe
1315	0.00	0.00	0	Clearing for Pipe
1330	0.00	0.00	0	Moving Chunks of rubble into Pile
1345	0.00	0.00	0	Leveling ground by Pipes
1400	0.00	0.00	0	Placing Stabilizer Pipe.
1415	0.00	0.00	0	Filling around Pipe
1430	0.00	0.00	0	Filling around Pipe
1445	0.00	0.00	0	Moving around Pipes
1500				
1515				
1530				
1545				
1600				
1615				
1630				
1645				
1700				

Ground Soaked from heavy rain Storm.

On- Site Dust and Volatile Organic Vapor Monitoring

Project: West Tremont Residence | Job No.: 2166-06-02-2000

Location: 92 West Tremont, Bronx, NY | On-site Personnel: David Strimas

Day & Date: Wednesday, 8/21/13 | Weather: Clear, Sunny

	AM	PM			
Wind Direction	N	S	Sample Interval:	15 minutes	
Temperature Range:	75 –	88 °F	Background Reading (particulates)	0.027	mg/m³
Calibration Dates:	Particulate Meters:		Background Reading (organic vapors)		ppm
			Photoionization Detector:		

Action Level/Response: Organic vapors: > 5ppm above background levels/ 15 minute readings

Particulates: 0.100 mg/m³ above up wind reading/15 minute period

Time	Particulate levels: UPWIND (mg/m³)	Particulate levels: DOWNWIND (mg/m³)	ORGANIC VAPOR LEVELS Toxic(co) / oxy-20.9 (ppm)	NOTES
0700	.025	.030	0	No work
0715	.018	.022	0	No work
0730	.022	.015	0	Excavator removing rock wall
0745	.015	.005	0	Excavator removing rock wall
0800	.005	.003	0	Removing Plywood from chain link fence
0815	.020	.015	0	No work
0830	0.005	.022	0	Cutting Fence Posts
0845	0.001	.017	0	Excavator work at front of site
0900	0.012	.009	0	Excavator Digging at front of site
0915	0.002	0.011	0	Lowering Large Pipes into ground
0930	0.009	0.018	0	Workers Positioning a Pipe
0945	0.004	0.016	0	Excavator Digging a hole for another Pipe
1000	0.009	0.014	0	Removing Chain link fence
1015	0.004	0.010	0	Setting up temporary railing
1030	0.008	0.006	0	Meeting with Driller/engineering
1045	0.012	0.015	0	Setting up railing by office
1100	0.001	0.010	0	No work
1115	0.010	0.025	0	Woodwork for temp fence
1130	0.000	0.000	0	No work, Batteries in Dust Mon low
1145	0.000	0.000	0	No work, low Batt Dust Mon
1200	0.000	0.000	0	Batteries replaced, No work

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: Wed 8/21/13

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANCI VAPOR LEVELS (ppm)	NOTES
1215	0.00	0.00	0	No work
1230	0.00	0.00	0	No work
1245	0.00	0.00	0	No work
1300	0.00	0.00	0	Making Temporary wall by office
1315	0.00	0.010	0	No work
1330	0.00	0.008	0	No work, excavator idling
1345	0.005	0.00	0	Excavator Breaking rock wall
1400	0.00	0.00	0	Excavator moving steel girders
1415	0.05	0.00	0	Digging on top hill
1430	0.00	0.00	0	Watering Down ground
1445	0.00	0.00	0	Digging on top hill
1500	0.00	0.00	0	Setting Stabilizer Pipes
1515	0.00	0.00	0	Setting Stabilizer Pipes
1530	0.00	0.00	0	Crane up, organizing Pipes
1545				
1600				
1615				
1630				
1645				
1700				

* Spoke with Chris. Concluded the low readings are due to the wind picking up.

On- Site Dust and Volatile Organic Vapor Monitoring

Project: West Tremont Residence | Job No.: 2166-06-02-2000

Location: 92 West Tremont, Bronx, NY | On-site Personnel: Ben Hernandez

Day & Date: Wednesday, 9/25/2013 | Weather: Partly Cloudy

	AM	PM		
Wind Direction	NNE		Sample Interval:	15 minutes
Temperature Range:	55° - 72°	°F	Background Reading (particulates)	mg/m³
Calibration Dates:	Particulate Meters:		Background Reading (organic vapors)	ppm
			Photoionization Detector:	

Action Level/Response: Organic vapors: > 5ppm above background levels/ 15 minute readings

Particulates: 0.100 mg/m³ above up wind reading/15 minute period

Time	Particulate levels: UPWIND (mg/m³)	Particulate levels: DOWNWIND (mg/m³)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700		0.000	0.0	Preparing for daily activities
0715		0.000	0.0	↓
0730	0.005	0.013	0.0	Excavating along South wall + Installing lumber lagging
0745		0.019	0.0	↓
0800		0.021	0.0	↓
0815		0.019	0.0	↓
0830		0.010	0.0	↓
0845	0.008	0.035	0.0	↓
0900		0.006	0.0	No activity
0915		0.003	0.0	No activity
0930		0.000	0.0	No activity
0945		0.014	0.0	Excavating along south wall + Installing lumber lagging.
1000	0.000	0.002	0.0	↓
1015		0.013	0.0	↓
1030		0.013	0.0	↓
1045		0.010	0.0	↓
1100	0.002	0.007	0.0	↓
1115		0.005	0.0	↓
1130		0.000	0.0	↓
1145		0.001	0.0	↓
1200	0.000	0.000	0.0	No activity

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: Wednesday, 9/25/13

Time	Particulate levels:		ORGANCI VAPOR LEVELS	NOTES
	UPWIND (mg/m^3)	DOWNWIND (mg/m^3)	(ppm)	
1215		0.000	0.0	No activity
1230		0.000	0.0	No activity
1245		0.000	0.0	Installing lumber lagging
1300	0.001	0.003	0.0	↓
1315		0.011	0.0	↓
1330		0.009	0.0	↓
1345		0.006	0.0	↓
1400		0.000	0.0	↓
1415	0.000	0.000	0.0	↓
1430		0.001	0.0	↓
1445	0.000	0.000	0.0	↓
1500				Site work complete for day
1515				
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project: West Tremont Residence | Job No.: 2166-06-02-2000

Location: 92 West Tremont, Bronx, NY | On-site Personnel: David Strimas

Day & Date: Tuesday, 7/24/13 | Weather: Clear, Sunny 6mph winds

	AM	PM	Sample Interval: 15 minutes
Wind Direction	NW	NNW	Background Reading (particulates) 0.005 mg/m³
Temperature Range:	52	70 °F	Background Reading (organic vapors) 0.0 ppm
Calibration Dates:	Particulate Meters: 8/29/13		Photoionization Detector: 8/14/13
Action Level/Response:	Organic vapors: > 5ppm above background levels/ 15 minute readings		
	Particulates: 0.100 mg/m³ above up wind reading/15 minute period		

Time	Particulate levels: UPWIND (mg/m³)	Particulate levels: DOWNWIND (mg/m³)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700				
0715				
0730				
0745				
0800	0.00	0.000	0	work start, Excavator digging
0815	0.00	0.000	0	along Shoring beams on
0830	0.00	0.058	0	From-right of Site.
0845	0.003	0.000	0	(not in hotspot)
0900	0.000	0.000	0	Several Crews on Site.
0915	0.000	0.000	0	
0930	0.000	0.001	0	
0945	0.000	0.000	0	
1000	0.000	0.000	0	
1015	0.000	0.000	0	
1030	0.000	0.000	0	
1045	0.000	0.000	0	
1100	0.000	0.002	0	Excavator tore down
1115	0.006	0.000	0	Section of rock wall by
1130	0.000	0.000	0	office
1145	0.000	0.000	0	15 min. lunch
1200	0.000	0.000	0	

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: Tuesday 9/24/13

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANCI VAPOR LEVELS (ppm)	NOTES
1215	0.000	0.000	0	Taking Out Some large Chunks
1230	0.000	0.000	0	of Concrete from the Fill
1245	0.000	0.000	0	with excavator
1300	0.000	0.000	0	Break for lunch until 1PM
1315	0.000	0.000	0	
1330	0.000	0.000	0	
1345	0.000	0.000	0	
1400	0.000	0.000	0	
1415	0.000	0.000	0	Clearing work trench
1430	0.000	0.000	0	w/hand tools
1445	0.000	0.000	0	
1500	0.000	0.000	0	
1515				
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont, Bronx, NY On-site Personnel:

Day & Date: Monday 9/23/13 Weather: Clear

	AM	PM	
Wind Direction	7 mph W		Sample Interval: 15 minutes
Temperature Range:	50	65 °F	Background Reading (particulates) 0.00 mg/m³
Calibration Dates:	Particulate Meters: 8/31/13		Background Reading (organic vapors) 0 ppm
			Photoionization Detector: 9/4/13

Action Level/Response: Organic vapors: > 5ppm above background levels/ 15 minute readings

Particulates: 0.100 mg/m³ above up wind reading/15 minute period

Time	Particulate levels: UPWIND (mg/m³)	Particulate levels: DOWNWIND (mg/m³)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700				
0715				
0730				
0745				
0800				
0815				
0830	0.00	0.00	0	Ambients taken, ground very wet
0845	0.00	0.00	0	
0900	0.00	0.00	0	
0915	0.00	0.00	0	
0930	0.00	0.00	0	
0945	0.00	0.00	0	Excavator work Log in
1000	0.00	0.00	0	
1015	0	0	0	Excavator off, woodwork, cutting
1030	0	0	0	
1045	0	0	0	
1100	0	0	0	
1115	0	0	0	
1130	0	0	0	
1145	0	0	0	
1200	0	0	0	

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: Monday 9/23/13

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANCI VAPOR LEVELS (ppm)	NOTES
1215	0	0	0	Placing wood stabilizer planks
1230	0	0	0	between shoring beams.
1245	0	0	0	
1300	0	0	0	
1315	0	0	0	
1330	0	0	0	Filling in cleared area
1345	0	0	0	on front-right corner of site
1400	0	0	0	w/ site soil/rubble, around
1415	0	0	0	shoring beams.
1430	0	0	0	Cutting wood planks w/
1445	0	0	0	Chainsaw
1500	0	0	0	
1515				
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project: West Tremont | Job No.: 2166-06-02-2000

Location: 92 West Tremont | On-site Personnel: SR

Day & Date: 4/26/2013 | Weather: Sunny

	AM	PM
Wind Direction		
Temperature Range:	60-70	°F

Sample Interval: 15 minutes

Background Reading (particulates) mg/m³

Background Reading (organic vapors) ppm

Calibration Dates: Particulate Meters: Photoionization Detector:

Action Level/Response: Organic vapors: > 5ppm above background levels/ 15 minute readings

Particulates: 0.100 mg/m³ above up wind reading/15 minute period

Time	Particulate levels: UPWIND (mg/m³)	Particulate levels: DOWNWIND (mg/m³)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700				
0715				
0730	0.0	0.0	0.0	digging
0745	0.0	0.0	0.0	wall instal
0800	0.0	0.0	0.0	wall
0815	0.0	0.0	0.0	wall
0830	0	0	0	wall
0845	0	0	0	wall
0900	—	—	—	no work
0915	0.0	0.0	0.0	wall
0930	0.0	0.0	0.0	wall
0945	0	0	0	digging/wall
1000	0.0	0.0	0.0	wall
1015	0	0	0	wall
1030	0.0	0.0	0.0	digging/wall
1045	0.0	0	0	wall
1100	0.0	0.0	0.0	wall
1115	0.0	0.0	0.0	wall
1130	—	—	—	no work
1145	—	—	—	no work
1200	0.0	0.0	0.0	wall

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: 9/26

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANCI VAPOR LEVELS (ppm)	NOTES
1215	0.0	0.0	0.0	digging
1230	0.0	0.0	0.0	digging
1245	0.0	0.0	0.0	wall
1300	0.0	0.0	0.0	wall
1315	0.0	0.0	0.0	wall
1330	0.0	0.0	0.0	wall
1345	—	—	—	no work
1400	—	—	—	no work
1415	0.0	0.0	0.0	wall
1430	0.0	0.0	0.0	wall
1445	0.0	0.0	0.0	wall
1500	0.0	0.0	0.0	wall
1515				
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project:	West Tremont	Job No.:	2166-06-02-2000
Location:	92 West Tremont	On-site Personnel:	SM
Day & Date:	9/25/2013	Weather:	Sunny

	AM	PM		
			Sample Interval:	15 minutes
Wind Direction			Background Reading (particulates)	mg/m³
Temperature Range:	65-75	°F	Background Reading (organic vapors)	ppm
Calibration Dates:	Particulate Meters:		Photoionization Detector:	
Action Level/Response:	Organic vapors: > 5ppm above background levels/ 15 minute readings			
	Particulates: 0.100 mg/m³ above up wind reading/15 minute period			

Time	Particulate levels: UPWIND (mg/m³)	Particulate levels: DOWNWIND (mg/m³)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700				
0715				
0730				
0745	0.0	0.0	0.0	digging
0800	0.0	0.0	0.0	digging
0815	0.0	0.0	0.0	digging
0830	0.0	0.0	0.0	digging
0845	0.0	0.0	0.0	installing wall
0900	0.0	0.0	0.0	wall
0915	0.0	0.0	0.0	"
0930	0.0	0.0	0.0	"
0945	0.0	0.0	0.0	"
1000	0.0	0.0	0.0	digging
1015	0.0	0.0	0.0	digging
1030	0.0	0.0	0.0	wall
1045	0.0	0.0	0.0	wall
1100	0.0	0.0	0.0	wall
1115	0.0	0.0	0.0	wall
1130	0.0	0.0	0.0	wall
1145	—	—	—	No work
1200	—	—	—	no work

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: 9/25/2013

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANCI VAPOR LEVELS (ppm)	NOTES
1215	0.0	0.0	0.0	wall
1230	0.0	0.0	0.0	wall
1245	0.0	0.0	0.0	wall
1300	—	—	—	no work
1315	—	—	—	no work
1330	0.0	0.0	0.0	digging
1345	0.0	0.0	0.0	digging
1400	0.0	0.0	0.0	wall
1415	0.0	0.0	0.0	wall
1430	0.0	0.0	0.0	wall
1445	0.0	0.0	0.0	wall
1500	0.0	0.0	0.0	wall
1515	0.0	0.0	0.0	
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project:	West Tremont	Job No.:	2166-06-02-2000
Location:	92 West Tremont	On-site Personnel:	SM
Day & Date:	9/30/2013	Weather:	Sunny

	AM	PM		
Wind Direction			Sample Interval:	15 minutes
Temperature Range:		°F	Background Reading (particulates)	**mg/m^3**
Calibration Dates:	Particulate Meters:		Background Reading (organic vapors)	**ppm**
Action Level/Response:	Photoionization Detector:			
	Organic vapors: > 5ppm above background levels/ 15 minute readings			
	Particulates: 0.100 mg/m^3 above up wind reading/15 minute period			

Time	Particulate levels:		ORGANIC VAPOR LEVELS	NOTES
	UPWIND (mg/m^3)	DOWNWIND (mg/m^3)	(ppm)	
0700				
0715				
0730	0.0			
0745	0.0	0.0	0.0	Wall Installation
0800	0.0	0.0	0.0	No Work
0815	0.0	0.0	0.0	No Work
0830	0.0	0.0	0.0	Wall Installation
0845	0.0	0.0	0.0	Wall Installation
0900	0.0	0.0	0.0	Wall Installation
0915	0.0	0.0	0.0	Wall Installation
0930	0.0	0.0	0.0	Wall Installation
0945	0.0	0.0	0.0	Wall Installation
1000	0.0	0.0	0.0	Wall Installation
1015	0.0	0.0	0.0	Wall Installation
1030	0.0	0.0	0.0	Wall Installation
1045	0.0	0.0	0.0	Wall Installation
1100	0.0	0.0	0.0	Wall Installation
1115	0.0	0.0	0.0	Wall Installation
1130	0.0	0.0	0.0	Wall Installation
1145	0.0	0.0	0.0	Wall Installation
1200				No Work

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: 9/30/2013

Time	Particulate levels:		ORGANCI VAPOR LEVELS	NOTES
	UPWIND (mg/m^3)	DOWNWIND (mg/m^3)	(ppm)	
1215				No Work
1230	0.0	0.0	0.0	Wall Installation
1245	0.0	0.0	0.0	Wall Installation
1300	0.0	0.0	0.0	Wall Installation
1315	0.0	0.0	0.0	Wall Installation
1330	0.0	0.0	0.0	Wall Installation
1345	0.0	0.0	0.0	Wall Installation
1400	0.0	0.0	0.0	Wall Installation
1415	0.0	0.0	0.0	Wall Installation
1430	0.0	0.0	0.0	Wall Installation
1445	0.0	0.0	0.0	Wall Installation
1500	0.0	0.0	0.0	Wall Installation
1515				
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project:	West Tremont	Job No.:	2166-06-02-2000
Location:	92 West Tremont	On-site Personnel:	SM
Day & Date:	9/27/2013	Weather:	Sunny

	AM	PM		
Wind Direction			Sample Interval:	15 minutes
Temperature Range:		°F	Background Reading (particulates)	**mg/m^3**
Calibration Dates:	Particulate Meters:		Background Reading (organic vapors)	**ppm**
Action Level/Response:	Photoionization Detector:			
	Organic vapors: > 5ppm above background levels/ 15 minute readings			
	Particulates: 0.100 mg/m^3 above up wind reading/15 minute period			

Time	Particulate levels:		ORGANIC VAPOR LEVELS	NOTES
	UPWIND (mg/m^3)	DOWNWIND (mg/m^3)	(ppm)	
0700				
0715				
0730	0.0			
0745	0.0	0.0	0.0	Wall Installation
0800	0.0	0.0	0.0	Wall Installation
0815	0.0	0.0	0.0	Wall Installation
0830	0.0	0.0	0.0	Wall Installation
0845	0.0	0.0	0.0	Wall Installation
0900	0.0	0.0	0.0	Wall Installation
0915	0.0	0.0	0.0	Wall Installation
0930	0.0	0.0	0.0	No Work
0945	0.0	0.0	0.0	Wall Installation
1000	0.0	0.0	0.0	Wall Installation
1015	0.0	0.0	0.0	Wall Installation
1030	0.0	0.0	0.0	Wall Installation
1045	0.0	0.0	0.0	Wall Installation
1100	0.0	0.0	0.0	Wall Installation
1115	0.0	0.0	0.0	Wall Installation
1130	0.0	0.0	0.0	Wall Installation
1145	0.0	0.0	0.0	Wall Installation
1200				No Work

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date:

Time	Particulate levels:		ORGANCI VAPOR LEVELS	NOTES
	UPWIND (mg/m^3)	DOWNWIND (mg/m^3)	(ppm)	
1215				No Work
1230	0.0	0.0	0.0	Wall Installation
1245	0.0	0.0	0.0	Wall Installation
1300	0.0	0.0	0.0	Wall Installation
1315	0.0	0.0	0.0	Wall Installation
1330	0.0	0.0	0.0	Wall Installation
1345	0.0	0.0	0.0	Wall Installation
1400	0.0	0.0	0.0	No Work
1415	0.0	0.0	0.0	No Work
1430	0.0	0.0	0.0	Wall Installation
1445	0.0	0.0	0.0	Wall Installation
1500	0.0	0.0	0.0	Wall Installation
1515				
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project: West Tremont | Job No.: 2166-06-02-2000

Location: 92 West Tremont | On-site Personnel: SM

Day & Date: 10/3 | Weather:

AM	PM	Sample Interval: 15 minutes
Wind Direction		Background Reading (particulates) mg/m³
Temperature Range:	°F	Background Reading (organic vapors) ppm

Calibration Dates: Particulate Meters: Photoionization Detector:

Action Level/Response: Organic vapors: > 5ppm above background levels/ 15 minute readings

Particulates: 0.100 mg/m³ above up wind reading/15 minute period

Time	Particulate levels: UPWIND (mg/m³)	Particulate levels: DOWNWIND (mg/m³)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700				
0715				
0730	0.0	0.0	0.0	trucks/
0745	0	0	0	trucks
0800	0	0	0	trucks
0815	0	0	0	trucks
0830	0.002	0.00	0.0	pile making
0845	0.001	0.001	0.0	pile soil
0900	0.001	0.002	0.0	pile soil
0915	0.00	0.0	0.0	
0930	0.0	0.0	0	wall
0945				
1000				
1015				
1030				
1045	0	0	0	trucks
1100	0	0.0	0.0	
1115	0.0	0.0	0.0	
1130	0.0	0.0	0.0	
1145				
1200	—	—	—	

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date:

Time	Particulate levels:		ORGANCI VAPOR LEVELS	NOTES
	UPWIND (mg/m^3)	DOWNWIND (mg/m^3)	(ppm)	
1215	—	—	—	
1230	0.0	0.0	0.0	wall
1245	0.0	0.0	0	"
1300	0.0	0.0	0	"
1315	0.0	0.0	0.0	"
1330	0.0	0.0	0.0	"
1345	0.0	0.0	0.0	truck
1400	0.0	0.0	0	truck
1415	0	0	0	truck
1430	0	0	0	truck
1445	0.0	0.0	0.0	wall
1500	0.0	0.0	0.0	↓
1515	0.0	0.0	0.0	
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project:	West Tremont	Job No.:	2166-06-02-2000
Location:	92 West Tremont	On-site Personnel:	SM
Day & Date:	10/2/2013	Weather:	Clear

	AM	PM	
Wind Direction			Sample Interval: 15 minutes
Temperature Range:		°F	Background Reading (particulates) mg/m³
Calibration Dates:			Background Reading (organic vapors) ppm

Particulate Meters: Photoionization Detector:

Action Level/Response: Organic vapors: > 5ppm above background levels/ 15 minute readings

Particulates: 0.100 mg/m³ above up wind reading/15 minute period

Time	Particulate levels: UPWIND (mg/m³)	Particulate levels: DOWNWIND (mg/m³)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700	C			
0715				
0730	0.0	0.0	0.0	trucks
0745	0.0	0.0	0.0	" "
0800	0.0	0.0	0.0	" "
0815	0.0	0.0	0.0	" "
0830	—	—	—	no work
0845	—	—	—	no work
0900	0.0	0.0	0.0	wall
0915	0.0	0.0	0.0	wall
0930	0.0	0.0	0.0	wall
0945	0.0	0.0	0.0	wall
1000	0.0	0.0	0.0	wall
1015	0.0	0.0	0.0	wall/trucks
1030	0.0	0.0	0.0	wall
1045	—	—	—	no work
1100	0.0	0.0	0.0	wall
1115	0	0.0	0.0	wall
1130	0	0	0	wall
1145	0	0	0	wall
1200	—	—	—	no work

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: 10/2

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANCI VAPOR LEVELS (ppm)	NOTES
1215	—	—	—	no work
1230	0.0	0.0	0.0	no trucks
1245	0.0	0.0	0.0	trucks
1300	0.0	0.0	0.0	"
1315	0.0	0.0	0.0	trucks
1330	0.0	0.0	0.0	wall
1345	0.0	0.0	0.0	wall
1400	0.0	0.0	0.0	no work
1415	0.0	0.0	0.0	wall
1430	0.0	0	0	wall
1445	0	0	0	wall
1500	0	0	0	wall
1515				
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project: West Tremont
Job No.: 2166-06-02-2000
Location: 92 West Tremont
On-site Personnel: Sam
Day & Date: 10/1/2013
Weather: Overcast

	AM	PM
Wind Direction		
Temperature Range:		°F

Sample Interval: 15 minutes
Background Reading (particulates) mg/m³
Background Reading (organic vapors) ppm
Calibration Dates: Particulate Meters: Photoionization Detector:
Action Level/Response: Organic vapors: > 5ppm above background levels/ 15 minute readings
Particulates: 0.100 mg/m³ above up wind reading/15 minute period

Time	Particulate levels: UPWIND (mg/m³)	Particulate levels: DOWNWIND (mg/m³)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700				
0715				
0730	0.0	0.0	0.0	truck trucks
0745	0.0	0.0	0.0	truck
0800	0.0	0.0	0.0	trucks
0815	0.0	0.0	0.0	trucks
0830	0.0	0.0	0.0	truck
0845	.002	.003	0.0	digging pile
0900	.001	.001	0.00	digging pile
0915	.00	0.00	0.0	digging pile
0930	.002	0.00	0.0	wall
0945	0.0	0.0	0.0	wall
1000	—	—	—	no work
1015	0.0	0.0	0.0	trucks
1030	0.0	0.0	0.0	trucks
1045	0.0	0.0	0.0	trucks
1100	0.0	0.0	0.0	trucks
1115	0.0	0.0	0.0	wall
1130	0.0	0.0	0.0	wall
1145	0.0	0.0	0.0	wall
1200	—	—	—	

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: 10/1

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANCI VAPOR LEVELS (ppm)	NOTES
1215	—	—	—	No work
1230	—	—	—	no work
1245	0.0	0.0	0.0	
1300	0.0	0.0	0.0	
1315	0	0	0	
1330	0	0	0	
1345	0.0	0.0	0.0	
1400	0.0	0.0	0.0	trucks
1415	0.0	0.0	0.0	"
1430	0.0	0.0	0.0	"
1445	—	—	—	
1500	0.0	0.0	0.0	Wall
1515	0.0	0.0	0.0	Clean
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project:	West Tremont	Job No.:	2166-06-02-2000
Location:	92 West Tremont	On-site Personnel:	SM
Day & Date:	10/04//2013	Weather:	Sun

	AM	PM		
Wind Direction			Sample Interval:	15 minutes
Temperature Range:	30-40°F		Background Reading (particulates)	**mg/m³**
Calibration Dates:	Particulate Meters:		Background Reading (organic vapors)	**ppm**
Action Level/Response:	Photoionization Detector:			
	Organic vapors: > 5ppm above background levels/ 15 minute readings			
	Particulates: 0.100 mg/m^3 above up wind reading/15 minute period			

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700				
0715				
0730	0.0			Rock Wall Removal
0745	0.0	0.0	0.0	Soil Movement
0800	0.0	0.0	0.0	Soil Movement
0815	0.0	0.0	0.0	Soil Movement
0830	0.0	0.0	0.0	Soil Movement
0845	0.0	0.0	0.0	Soil Movement
0900	0.0	0.0	0.0	Soil Movement
0915	0.0	0.0	0.0	No Work
0930	0.0	0.0	0.0	No Work
0945	0.0	0.0	0.0	No Work
1000	0.0	0.0	0.0	Soil Movement
1015	0.0	0.0	0.0	Soil Movement
1030	0.0	0.0	0.0	Soil Movement
1045	0.0	0.0	0.0	Soil Movement
1100	0.0	0.0	0.0	No Work
1115	0.0	0.0	0.0	No Soil Movement
1130	0.0	0.0	0.0	No Soil Movement
1145	0.0	0.0	0.0	No Soil Movement
1200				No Soil Movement

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: 10/04/2013

Time	Particulate levels:		ORGANCI VAPOR LEVELS	NOTES
	UPWIND (mg/m^3)	DOWNWIND (mg/m^3)	(ppm)	
1215				No Work
1230	0.0	0.0	0.0	No Work
1245	0.0	0.0	0.0	No Soil Movement
1300	0.0	0.0	0.0	No Soil Movement
1315	0.0	0.0	0.0	No Soil Movement
1330	0.0	0.0	0.0	No Soil Movement
1345	0.0	0.0	0.0	No Soil Movement
1400	0.0	0.0	0.0	No Soil Movement
1415	0.0	0.0	0.0	Soil Organization
1430	0.0	0.0	0.0	Soil Organization
1445	0.0	0.0	0.0	Clean Up
1500	0.0	0.0	0.0	Clean up
1515	0.0	0.0	0.0	Clean up
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project: West Tremont Residence | Job No.: 2166-06-02-2000

Location: 92 West Tremont, Bronx, NY | On-site Personnel: David Grimes

Day & Date: Tuesday 10/8/13 | Weather:

	AM	PM			
Wind Direction	N	N	Sample Interval:	15 minutes	
Temperature Range:	58	70 °F	Background Reading (particulates)	0.00	mg/m³
Calibration Dates:	Particulate Meters: 10/9/13		Background Reading (organic vapors)	0	ppm
			Photoionization Detector: 10/9/13		
Action Level/Response:	Organic vapors: > 5ppm above background levels/ 15 minute readings				
	Particulates: 0.100 mg/m³ above up wind reading/15 minute period				

Time	Particulate levels: UPWIND (mg/m³)	Particulate levels: DOWNWIND (mg/m³)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700	0	0	0	Ambients @ 7am
0715	0	0	0	Loading trucks with rock
0730	0	0	0	to be trucked off site
0745	0	0	0	all day.
0800	0	0	0	
0815	0	0	0	
0830	0	0	0	
0845	0	0	0	
0900	0	0	0	
0915	0	0	0	
0930	0	0	0	
0945	0	0	0	
1000	0	0	0	
1015	0	0	0	Workers working along
1030	0	0	0	Shoring w/ hand tools.
1045	0	0	0	
1100	0	0	0	
1115	0	0	0	
1130	0	0	0	
1145	0	0	0	
1200	0	0	0	

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: Tuesday 10/8/13

Time	Particulate levels:		ORGANCI VAPOR LEVELS	NOTES
	UPWIND (mg/m^3)	DOWNWIND (mg/m^3)	(ppm)	
1215	0	0	0	
1230	0	0	0	
1245	0	0	0	
1300	0	0	0	
1315	0	0	0	
1330	0	0	0	16th Truck leaving/work complete
1345				
1400				
1415				
1430				
1445				
1500				
1515				
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project: West Tremont Residence | Job No.: 2166-06-02-2000

Location: 92 West Tremont, Bronx, NY | On-site Personnel: David Stamas

Day & Date: Friday 10/11/13 | Weather:

	AM	PM			
Wind Direction	NE	ENE	Sample Interval:	15 minutes	
Temperature Range:	50	65 °F	Background Reading (particulates)	0.000	mg/m³
Calibration Dates:	Particulate Meters:		Background Reading (organic vapors)	0	ppm
			Photoionization Detector:		

Action Level/Response: Organic vapors: > 5ppm above background levels/ 15 minute readings

Particulates: 0.100 mg/m³ above up wind reading/15 minute period

Time	Particulate levels: UPWIND (mg/m³)	Particulate levels: DOWNWIND (mg/m³)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700	0.000	0.000	0	Ambients Taken @ 7
0715	0	0	0	Trucking out oversized rock,
0730	0	0	0	Loading Trucks w/excavator
0745	0	0	0	
0800	0	0	0	
0815	0	0	0	
0830	0	0	0	
0845	0	0	0	
0900	0	0	0	
0915	0	0	0	
0930	0	0	0	
0945	0	0	0	
1000	0	0	0	
1015	0	0	0	
1030	0	0	0	
1045	0	0	0	
1100	0	0	0	
1115	0	0	0	
1130	0	0	0	
1145	0	0	0	
1200	0	0	0	

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date:

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANCI VAPOR LEVELS (ppm)	NOTES
1215	0	0	0	Trucking out 50/50 rocket
1230	0	0	0	non-hotspot soil, loaded
1245	0	0	0	with excavator
1300	0	0	0	Work along Shoring W/
1315	0	0	0	hand tools. No more
1330	0	0	0	dirt being moved today.
1345	0	0	0	
1400	0	0	0	
1415				
1430				
1445				
1500				
1515				
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project:	West Tremont	Job No.:	2166-06-02-2000
Location:	92 West Tremont	On-site Personnel:	SM
Day & Date:	10/30//2013	Weather:	Sun

	AM	PM		
Wind Direction			Sample Interval:	15 minutes
			Background Reading (particulates)	**mg/m^3**
Temperature Range:	30-40°F		Background Reading (organic vapors)	**ppm**
Calibration Dates:	Particulate Meters:		Photoionization Detector:	
Action Level/Response:	Organic vapors: > 5ppm above background levels/ 15 minute readings			
	Particulates: 0.100 mg/m^3 above up wind reading/15 minute period			

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700				
0715				
0730	0.0			Trucks
0745	0.0	0.0	0.0	Trucks
0800	0.0	0.0	0.0	Trucks
0815	0.0	0.0	0.0	Trucks
0830	0.0	0.0	0.0	Trucks
0845	0.0	0.0	0.0	Trucks
0900	0.0	0.0	0.0	Trucks
0915	0.0	0.0	0.0	Trucks
0930	0.0	0.0	0.0	No Work
0945	0.0	0.0	0.0	No Work
1000	0.0	0.0	0.0	Organization
1015	0.0	0.0	0.0	Organization
1030	0.0	0.0	0.0	Organization
1045	0.0	0.0	0.0	Organization
1100	0.0	0.0	0.0	Soil Organization
1115	0.0	0.0	0.0	Soil Organization
1130	0.0	0.0	0.0	Soil Organization
1145	0.0	0.0	0.0	Soil Organization
1200				No Work

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: 10/30/2013

Time	Particulate levels:		ORGANCI VAPOR LEVELS	NOTES
	UPWIND (mg/m^3)	DOWNWIND (mg/m^3)	(ppm)	
1215				No Work
1230	0.0	0.0	0.0	Soil Organization
1245	0.0	0.0	0.0	Soil Organization
1300	0.0	0.0	0.0	Soil Organization
1315	0.0	0.0	0.0	No Work
1330	0.0	0.0	0.0	No Work
1345	0.0	0.0	0.0	No Work
1400	0.0	0.0	0.0	Soil Organization
1415	0.0	0.0	0.0	Soil Organization
1430	0.0	0.0	0.0	Soil Organization
1445	0.0	0.0	0.0	Clean Up
1500	0.0	0.0	0.0	Clean up
1515	0.0	0.0	0.0	Clean up
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project:	West Tremont	Job No.:	2166-06-02-2000
Location:	92 West Tremont	On-site Personnel:	SM
Day & Date:	10/29//2013	Weather:	Sun

	AM	PM		
Wind Direction			Sample Interval:	15 minutes
Temperature Range:	30-40°F		Background Reading (particulates)	**mg/m^3**
Calibration Dates:	Particulate Meters:		Background Reading (organic vapors)	**ppm**
			Photoionization Detector:	
Action Level/Response:	Organic vapors: > 5ppm above background levels/ 15 minute readings			
	Particulates: 0.100 mg/m^3 above up wind reading/15 minute period			

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700				
0715				
0730	0.0			Trucks
0745	0.0	0.0	0.0	Trucks
0800	0.0	0.0	0.0	Trucks
0815	0.0	0.0	0.0	Trucks
0830	0.0	0.0	0.0	Trucks
0845	0.0	0.0	0.0	Trucks
0900	0.0	0.0	0.0	Trucks
0915	0.0	0.0	0.0	Trucks
0930	0.0	0.0	0.0	No Work
0945	0.0	0.0	0.0	No Work
1000	0.0	0.0	0.0	Organization
1015	0.0	0.0	0.0	Organization
1030	0.0	0.0	0.0	Organization
1045	0.0	0.0	0.0	Organization
1100	0.0	0.0	0.0	Trucks
1115	0.0	0.0	0.0	Trucks
1130	0.0	0.0	0.0	Trucks
1145	0.0	0.0	0.0	Trucks
1200				No Work

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: 10/29/2013

Time	Particulate levels:		ORGANCI VAPOR LEVELS	NOTES
	UPWIND (mg/m^3)	DOWNWIND (mg/m^3)	(ppm)	
1215				No Work
1230	0.0	0.0	0.0	Wall Installation Support
1245	0.0	0.0	0.0	Wall Installation Support
1300	0.0	0.0	0.0	Wall Installation Suport
1315	0.0	0.0	0.0	Trucks
1330	0.0	0.0	0.0	Trucks
1345	0.0	0.0	0.0	Trucks
1400	0.0	0.0	0.0	Trucks
1415	0.0	0.0	0.0	Soil Organization
1430	0.0	0.0	0.0	Organization
1445	0.0	0.0	0.0	Clean Up
1500	0.0	0.0	0.0	Clean up
1515	0.0	0.0	0.0	Clean up
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project:	West Tremont	Job No.:	2166-06-02-2000
Location:	92 West Tremont	On-site Personnel:	SM
Day & Date:	10/22/2013	Weather:	Sun

	AM	PM		
Wind Direction			Sample Interval:	15 minutes
Temperature Range:	30-40°F		Background Reading (particulates)	**mg/m^3**
Calibration Dates:	Particulate Meters:		Background Reading (organic vapors)	**ppm**
			Photoionization Detector:	
Action Level/Response:	Organic vapors: > 5ppm above background levels/ 15 minute readings			
	Particulates: 0.100 mg/m^3 above up wind reading/15 minute period			

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700				
0715				
0730	0.0			Trucks
0745	0.0	0.0	0.0	Trucks
0800	0.0	0.0	0.0	Trucks
0815	0.0	0.0	0.0	Trucks
0830	0.0	0.0	0.0	Trucks
0845	0.0	0.0	0.0	Trucks
0900	0.0	0.0	0.0	Trucks
0915	0.0	0.0	0.0	Trucks
0930	0.0	0.0	0.0	No Work
0945	0.0	0.0	0.0	No Work
1000	0.0	0.0	0.0	Organization
1015	0.0	0.0	0.0	Organization
1030	0.0	0.0	0.0	Organization
1045	0.0	0.0	0.0	Organization
1100	0.0	0.0	0.0	Trucks
1115	0.0	0.0	0.0	Trucks
1130	0.0	0.0	0.0	Trucks
1145	0.0	0.0	0.0	Trucks
1200				No Work

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: 9/30/2013

Time	Particulate levels:		ORGANCI VAPOR LEVELS	NOTES
	UPWIND (mg/m^3)	DOWNWIND (mg/m^3)	(ppm)	
1215				No Work
1230	0.0	0.0	0.0	Wall Installation
1245	0.0	0.0	0.0	Wall Installation
1300	0.0	0.0	0.0	Wall Installation
1315	0.0	0.0	0.0	Trucks
1330	0.0	0.0	0.0	Trucks
1345	0.0	0.0	0.0	Trucks
1400	0.0	0.0	0.0	Trucks
1415	0.0	0.0	0.0	Soil Organization
1430	0.0	0.0	0.0	Organization
1445	0.0	0.0	0.0	Clean Up
1500	0.0	0.0	0.0	Clean up
1515	0.0	0.0	0.0	Clean up
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project:	West Tremont	Job No.:	2166-06-02-2000
Location:	92 West Tremont	On-site Personnel:	SM
Day & Date:	10/21//2013	Weather:	Sun

	AM	PM		
Wind Direction			Sample Interval:	15 minutes
			Background Reading (particulates)	mg/m^3
Temperature Range:	30-40°F		Background Reading (organic vapors)	ppm
Calibration Dates:	Particulate Meters:		Photoionization Detector:	
Action Level/Response:	Organic vapors: > 5ppm above background levels/ 15 minute readings			
	Particulates: 0.100 mg/m^3 above up wind reading/15 minute period			

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700				
0715				
0730	0.0			Rock Wall Removal
0745	0.0	0.0	0.0	Soil Movement
0800	0.0	0.0	0.0	Soil Movement
0815	0.0	0.0	0.0	Soil Movement
0830	0.0	0.0	0.0	Soil Movement
0845	0.0	0.0	0.0	Soil Movement
0900	0.0	0.0	0.0	Soil Movement
0915	0.0	0.0	0.0	No Work
0930	0.0	0.0	0.0	No Work
0945	0.0	0.0	0.0	No Work
1000	0.0	0.0	0.0	Soil Movement
1015	0.0	0.0	0.0	Soil Movement
1030	0.0	0.0	0.0	Soil Movement
1045	0.0	0.0	0.0	Soil Movement
1100	0.0	0.0	0.0	No Work
1115	0.0	0.0	0.0	No Soil Movement
1130	0.0	0.0	0.0	No Soil Movement
1145	0.0	0.0	0.0	No Soil Movement
1200				No Soil Movement

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: 10/21/2013

Time	Particulate levels:		ORGANCI VAPOR LEVELS	NOTES
	UPWIND (mg/m^3)	DOWNWIND (mg/m^3)	(ppm)	
1215				No Work
1230	0.0	0.0	0.0	No Work
1245	0.0	0.0	0.0	No Soil Movement
1300	0.0	0.0	0.0	No Soil Movement
1315	0.0	0.0	0.0	No Soil Movement
1330	0.0	0.0	0.0	No Soil Movement
1345	0.0	0.0	0.0	No Soil Movement
1400	0.0	0.0	0.0	No Soil Movement
1415	0.0	0.0	0.0	Soil Organization
1430	0.0	0.0	0.0	Soil Organization
1445	0.0	0.0	0.0	Clean Up
1500	0.0	0.0	0.0	Clean up
1515	0.0	0.0	0.0	Clean up
1530				
1545				
1600				
1615				
1630				
1645				
1700				

On- Site Dust and Volatile Organic Vapor Monitoring

Project:	West Tremont	Job No.:	2166-06-02-2000
Location:	92 West Tremont	On-site Personnel:	SM
Day & Date:	10/17/2013	Weather:	Sun

	AM	PM		
Wind Direction			Sample Interval:	15 minutes
Temperature Range:	30-40°F		Background Reading (particulates)	**mg/m^3**
Calibration Dates:	Particulate Meters:		Background Reading (organic vapors)	**ppm**
			Photoionization Detector:	
Action Level/Response:	Organic vapors: > 5ppm above background levels/ 15 minute readings			
	Particulates: 0.100 mg/m^3 above up wind reading/15 minute period			

Time	Particulate levels: UPWIND (mg/m^3)	Particulate levels: DOWNWIND (mg/m^3)	ORGANIC VAPOR LEVELS (ppm)	NOTES
0700				
0715				
0730	0.0			Trucks
0745	0.0	0.0	0.0	Trucks
0800	0.0	0.0	0.0	Trucks
0815	0.0	0.0	0.0	Trucks
0830	0.0	0.0	0.0	Trucks
0845	0.0	0.0	0.0	Trucks
0900	0.0	0.0	0.0	Trucks
0915	0.0	0.0	0.0	Trucks
0930	0.0	0.0	0.0	No Work
0945	0.0	0.0	0.0	No Work
1000	0.0	0.0	0.0	Organization
1015	0.0	0.0	0.0	Organization
1030	0.0	0.0	0.0	Organization
1045	0.0	0.0	0.0	Organization
1100	0.0	0.0	0.0	Trucks
1115	0.0	0.0	0.0	Trucks
1130	0.0	0.0	0.0	Trucks
1145	0.0	0.0	0.0	Trucks
1200				No Work

Project: West Tremont Residence Job No.: 2166-06-02-2000

Location: 92 West Tremont Avenue Bronx, NY Day & Date: 9/30/2013

Time	Particulate levels:		ORGANCI VAPOR LEVELS	NOTES
	UPWIND (mg/m^3)	DOWNWIND (mg/m^3)	(ppm)	
1215				No Work
1230	0.0	0.0	0.0	Supports for Wall Installation
1245	0.0	0.0	0.0	Supports Wall Installation
1300	0.0	0.0	0.0	Supports Wall Installation
1315	0.0	0.0	0.0	Soil Organization
1330	0.0	0.0	0.0	Soil Organization
1345	0.0	0.0	0.0	Soil Organization
1400	0.0	0.0	0.0	Soil Organization
1415	0.0	0.0	0.0	Soil Organization
1430	0.0	0.0	0.0	Equipment organization
1445	0.0	0.0	0.0	Wall inspection
1500	0.0	0.0	0.0	Wall inspection
1515	0.0	0.0	0.0	Clean up
1530	0.0	0.0	0.0	Clean up
1545				
1600				
1615				
1630				
1645				
1700				

APPENDIX F

PHOTO LOG

Photo 1: View of Site facing South during Site mobilization and preparation. (8/20/13)

Photo 2: View of Site facing north towards W 177th Street during Site preparation and mobilization (8/20/13)

Photo 3: View Site facing west towards West Tremont Avenue. Installation of pile casings along perimeter. (8/21/13)

Photo 4: View of Site facing south. Steep elevation profile of Site can be seen, future location of landscaped area seen at the flat area at the base of slope (8/22/13)

Photo 5: View of test pit representing quality of fill material encountered throughout Site. (8/22/13)

Photo 6: View of Site facing east, excavation of sloped area in progress. (9/27/13)

Photo 7: View of Site facing North. Excavation of sloped area in progress. (12/17/14)

Photo 8: Dust suppression during excavation activities. (9/30/13)

Photo 9: View of Site facing West Tremont Ave. Excavated fill being loaded onto trucks for offsite disposal. (10/01/13)

Photo 10: Preparation and mixing of Regenesis PersulfOx for ISCO treatment at Site. (10/03/13)

Photo 11: View of Regenesis PersulfOx bag next to mixing tank. (10/03/13)

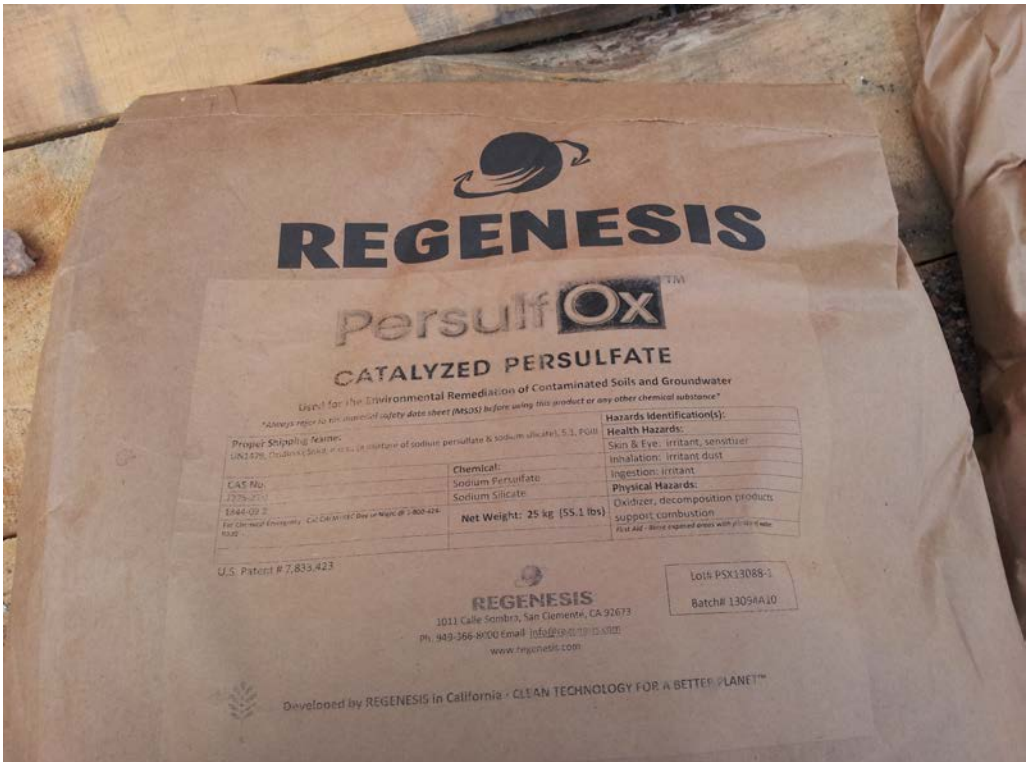


Photo 12: Closeup of Regenesis PersulfOx bag. (10/03/13)

Photo 13: View of ISCO injection well. (10/03/13)

Photo 14: View of Site facing north. Excavation of sloped area in progress, bedrock outcrops encountered. (10/04/13)

Photo 15: View of Hotspot excavation in progress. (10/04/13)

Photo 16: View of PersulfOx application to base of Hotspot excavation. (10/04/13)

Photo 17: Vew of stockpiled onsite material proposed for reuse, material was sampled in 500 CY frequency. (10/17/13)

Photo 18: View of Site facing south. Most of excavation and offsite disposal is complete. Installation of test piles in progress. (11/06/13)

Photo 19: View of Site facing North. Pile cap and footing formwork installation in progress. (12/04/13)

Photo 20: View of Site facing North. Concrete footings installed, approved onsite soil reused as backfill. (12/11/13)

Photo 21: View of vapor barrier membrane installed on foundation wall between basement and cellar level. Approved onsite material reused for backfill behind wall. (12/26/13)

Photo 22: View of elevator pit formwork with vapor barrier membrane installed.. (12/26/13)

Photo 23: View of Site facing South, portions of Cellar level foundation walls and footings completed. (12/31/13)

Photo 24: View of Terrace and landscape area backfilled with approved onsite soils.. (1/15/14)

Photo 25: View of vapor barrier membrane installation on foundation wall between basement and cellar level. (1/29/14)

Photo 26: View of vapor barrier membrane installed on foundation walls adjacent to West Tremont Avenue. (2/11/14)

Photo 27: View of SSDS piping installation in portion of Cellar level. (4/4/14)

Photo 28: View of SSDS piping installation in portion of Cellar level. (4/4/14)

Photo 29: View of vapor barrier membrane installed beneath foundation slab in Cellar level. (4/7/14)

Photo 30: View of SSDS piping in Basement level. (4/7/14)

Photo 31: View of SSDS piping in Basement level. (4/7/14)

Photo 32: View of sub-slab vapor barrier membrane installed in Basement Level. (4/8/14)

Photo 33: View of sub-slab vapor barrier membrane installed in Basement Level. (4/8/14)

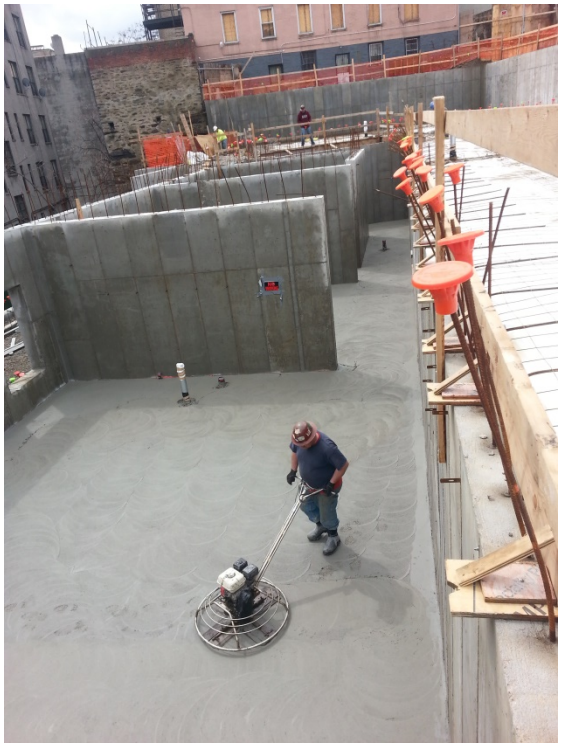


Photo 34: View of composite cover concrete foundation slab installed in Cellar Level. (4/8/14)

Photo 35: View of composite cover concrete foundation slab installed in Basement Level. (4/9/14)

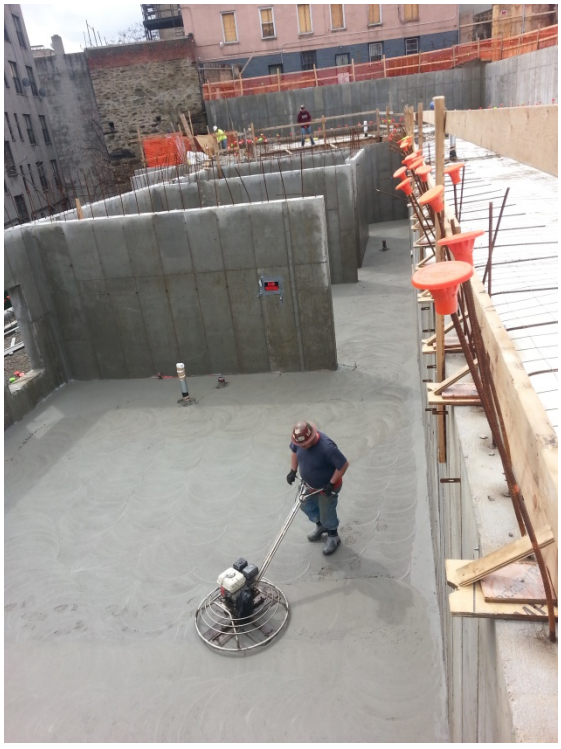


Photo 36: View of composite cover concrete foundation slab installed in Cellar Level. (4/8/14)

Photo 37: View of Terrace and rear yard landscaped area. (9/30/15)

Photo 38: View of north rear yard landscaped area. (9/30/15)

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

INSTALLATION REPORT

WEATHER	Snow		Rain	X	Overcast	X	Partly Cloudy		Bright Sun	
TEMP.	< 32		32-50		50-70	X	70-85		>85	

Prepared By: Benjamin H. Salazar

E-Number:	12CBCP016X	**E-Number**:	-	**Date**:	6/16/16
Project Name:	Promesa West Tremont Residences – 92 West Tremont Avenue Bronx, NY				

Environmental Consultant: Kevin Kleaka Impact Environmental Closures, Inc.	**Environmental Safety Officer:** Benjamin Hernandez Salazar Impact Environmental Closures, Inc.
General Contractor: Charles Tsetsekas Galaxy Construction	**Site Manager/ Supervisor:** Construction: Charles Tsetsekas, Galaxy Cons. Environmental: Ben Hernandez, Impact Env.

Work Activities Performed (Since Last Report):

- Installation of 4 in. galvanized steel wind driven turbine fans on SSDS risers on top of the roof and rooftop garden.

Working In Area: Rooftop and rooftop garden

Photo Log

Photo 1 – View of installed wind driven turbine fan on SSDS riser.	
Photo 2 – View of wind driven turbine fan installed on SSDS riser located on rooftop garden.	

Photo 3 – View of installed wind driven turbine fan on SSDS riser.	

APPENDIX G

FACILITY APPROVAL LETTERS

IMPACT ENVIRONMENTAL
170 Keyland Court| Bohemia| NY | 11716 | 631.269.8800
welcome to solid ground… *www.impactenvironmental.com*

August 16, 2013

Kevin Kleaka
Impact Environmental
170 Keyland Ct
Bohemia, NY 11716

RE: IMP #2166-01-01-1001
92 W. Tremont Ave. (60 W. 177th St.), Bronx, New York

Dear Mr. Kleaka:

We have reviewed information regarding the material from the above referenced site ("site") proposed for acceptance at the Impact Recovery and Reuse Center ("IRRC") located at 1000 Page Avenue, Lyndhurst, NJ. Impact Environmental has reviewed the following documents:

- Soil Removal Tonnage Estimation Map;
- Contained-In Request Approval Letter dated July 8, 2013 (NYSDEC);
- Soil Boring Location Map (Impact Environmental);
- Laboratory report dated August 9, 2013 (Alpha);
- Site pictures; and
- Remedial Investigation Report (Impact Environmental).

The reports/investigations identifies that the site is underlain by a fill layer comprised principally of a mix of brick and block with incidental soils. Such materials are acceptable to the IRRC facility as Class B material. The reports and lab data identifies that the IRRC facility can accept Class B materials from the excavation area.

The Class B materials are recycled and returned into the economic mainstream as a valuable commodity for variety of end uses, including a saleable product and/or materials are beneficially reused for landfill closure at the Kingsland Redevelopment Area.

The appropriate end-market facilities for the soil byproducts have been identified as follows:

"VOC Hot Spot" area - Cumberland County Landfill, Millville, NJ.

"Non-VOC Hot Spot" area – Phase III Environmental, Palmerton, PA.

Receipt of all materials is subject to an inspection at the facility. The facility operates between 7:00 AM to 5:00 PM Monday through Friday and 7:00 AM to 3:00 PM on Saturday.

Sincerely,
IMPACT ENVIRONMENTAL

Richard Parrish
President

Cumberland County Improvement Authority

August 13, 2013

Mr. Philip Guenzer
ENR-Environmental Services, LLC.
PO Box 70
Winslow, NJ 08095

RE: Landfill Daily Cover Soil
92 West Tremont
New York, NY

Dear Mr. Guenzer:

Based on the review of the above referenced results performed by Alpha Analytical (sample #: L1314887). I have determined that the soil meets the criteria for non-hazardous I.D. 27 soil and is acceptable for use as daily cover at the Cumberland County Solid Waste Complex. Accordingly the soil may be delivered to the Cumberland County Solid Waste Complex for use as daily cover at a tipping fee of [redacted]

All debris (wood, plastic paper, etc.) must be removed from the soil prior to delivery.

All concrete, brick, blocks, and rock over 6 inches in any dimension must be removed prior to delivery.

Per our various discussions, sampling and analysis is to be conducted at the rate of one per 1000 cubic yards of soil. This letter is granting approval for approx. (1,500 tons). The results of the additional sampling are to be submitted as soon as possible.

All trucks transporting the above referenced soil to the Cumberland County Solid Waste Complex must be A-901 registered vehicles, must have towing hooks both front and rear and must be properly tarped.

Each truck delivering soil from the above referenced site must present a copy of the attached form signed by me to the weigh-master upon arrival at the Cumberland County Solid Waste Complex along with ENR-Environmental Service's "Shipping Documents". **Trucks not presenting a copy of this form to the scale house will be denied admittance to the facility.**

All trucks transporting the above referenced soil must be weighed at the Cumberland County Solid Waste Complex and will then be directed either to the working face of the landfill or to the soil stockpile area where the load will be tipped.

Delivery of the soil to the Cumberland County Solid Waste Complex may begin on Wednesday, August 14, 2013 contingent upon the submission of a list of the A-901 license numbers of the trucks (if different those already on file with us) that will be used to transport the soil.

Please call Mr. Craig Truitt at (856) 825-3700 regarding any rescheduling of the delivery of the soil to the landfill.

Very Truly Yours,

James B. Rocco

cc: Jerry Velazquez, III, Executive Director
Craig Truitt, Facility Manager
Scale House Personnel
Accounts Receivable

CUMBERLAND COUNTY IMPROVEMENT AUTHORITY

DELIVERY OF SOIL TO SOLID WASTE COMPLEX

SCALEHOUSE PERSONNEL PLEASE ADMINISTER AS FOLLOWS:

Charge Account #	**165**	
Commodity Code	**27S$$$**	[redacted]
Origin	**XOOS**	**New York**
Comment Field	**221 92 West Tremont New York, NY**	
Delivery start date:	**August 14, 2013**	

The approval for this delivery is currently 1,500 tons. Approval for additional tonnage please call Jim Rocco

James B. Rocco

8-13-13

Date

IMPACT ENVIRONMENTAL
170 Keyland Court| Bohemia| NY | 11716 | 631.269.8800
welcome to solid ground… *www.impactenvironmental.com*

October 1, 2013

Kevin Kleaka
Impact Environmental
170 Keyland Ct
Bohemia, NY 11716

RE: IMP #2166-01-01-1001
92 W. Tremont Ave. (60 W. 177th St.), Bronx, New York

Dear Mr. Kleaka:

Impact Environmental Consulting, Inc. is the authorized environmental compliance engineer for the disposal facility at the former NJ Zinc site in Palmerton, PA. As compliance engineer, Impact Environmental reviews analytical data and site background information for site-specific sources to evaluate acceptance of materials into the facility in compliance with the facility permit.

Impact Environmental has reviewed information regarding material from the above referenced site ("site"). The review included an evaluation of the following documents:

- Soil Removal Tonnage Estimation Map;
- Soil Boring Location Map (Impact Environmental); and
- Remedial Investigation Report (Impact Environmental);
- Contained-In Request Approval Letter dated July 8, 2013 (NYSDEC);
- Sample Acquisition Map dated September 30, 2013 (Impact); and
- Laboratory Report dated September 30, 2013 (Alpha).

The analytical data subject to the reports was reviewed and compared with the facility permit requirements. Soils from the "non-VOC Hot Spot" area representing by the following samples are acceptable for reuse at the NJ Zinc – West Plant site:

SP1 0-2', SP5 0-2', SP7 0-2', SP8 0-2', SP9 0-2', SP10 0-2', SP11 0-2'; 92WT-1 COMP, 92WT-1 GRAB, 92WT-2 COMP, and 92WT-2 GRAB.

The volume of material represented by this approval is approximately 1,500 CYD. The material meets the definition of Regulated fill as defined in General Permit No. WMGR096. Soil will be accepted and managed in accordance with facility permits. Please feel free to contact me with any questions.

Sincerely,
IMPACT ENVIRONMENTAL

Richard Parrish
President

APPENDIX H

DISPOSAL MANIFESTS

CUMBERLAND COUNTY SOLID WASTE COMPLEX

2 NORTH HIGH STREET

MILLVILLE, NJ 08332

MANIFESTS and SCALE TICKETS

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14368

154,210 *welcome to solid ground....* 14368

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

86920 lb
28260 lb
57660 lb

NET (tons):

28.830 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	7:47 am	7:48 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

feljoe

Driver Name and Signature (conditional):

Truck Plate:

AJ106H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 7:08 DATE: 10/1/2013

Transporter:

C. Feijoo

I.E

2

Driven By C. FEIJOO TRUCKING

Truck/Trailer Plate 78/AJ106A

Driver Signature Julio Hdez

TIME: 7:08 DATE: 10/1

Material/Note(s):

Manifest Number 154210

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 85920

NET TONS 2883 TARE WEIGHT 28260

TICKET NUMBER 143608

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Amanda Tucker

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/1/13 7:49

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Julio Hdez

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:	Ticket #: 14369

154,211 *welcome to solid ground....* 14369

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:	Source of Material (Description and Address):
2166 W Tremont Res LLC 300 E 175TH St Bronx, NY	Promesa W Tremont Res 92 W Tremont Ave Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
84760 lb	
27400 lb	28.680 tn
57360 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	7:56 am	7:56 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #: JENCAR

Driver Name and Signature (conditional):

Truck Plate: AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner / Rep

Authorized By (sig)

TIME: 7:15 DATE: 10/1

Transporter:

Jenlar

Impact Environ

2

Driver By Abdelaziz H.

Truck/Trailer Plate 70 / AP552R

Driver Signature

TIME: 7:15 DATE: 10/1

Material/Note(s):

Manifest Number 154211

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 84740

NET TONS 28.68 TARE WEIGHT 27400

TICKET NUMBER 143609

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Amanda Tucker

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/1/13 7:57

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14370

154,212 *welcome to solid ground....* 14370

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

83840 lb
29000 lb
54840 lb

NET (tons):

27.420 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	8:12 am	8:12 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
gomez

Driver Name and Signature (conditional):
Mario

Truck Plate:
AN667W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Ra Lee / Fernandez

Authorized By (title) Owner / Rep

Authorized By (sig) [signature]

TIME: 7:25 DATE: 10/1

Transporter:

Kas #2

Impact E

2

Driven By Mario Gomez

Truck/Trailer Plate 02 / AN6674

Driver Signature [signature]

TIME: 7:25 DATE: 10/1

Material/Note(s):

Manifest Number 154212

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 83840

NET TONS 27.42 TARE WEIGHT 29000

TICKET NUMBER 14370

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Amanda Tucker

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/1/13 8:13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 7:40 DATE: 10/1

Transporter:

Jencar

I.E.

2

Driven By Hernandez

Truck/Trailer Plate 67/AP884D

Driver Signature

TIME: 7:40 DATE: 10/1

Manifest Number 154213

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 52010

NET TONS 32.56 TARE WEIGHT 26900

TICKET NUMBER 14372

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Amanda Lerma

Date/Time 10/1/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

Manifest #:

Ticket #: 14384

154,201welcome1438Mid ground....

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

82780 lb
28260 lb
54520 lb

NET (tons):

27.260 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	9:45 am	9:45 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

feljoe

Driver Name and Signature (conditional):

Truck Plate:

AJ106H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig) [signature]

TIME: 9:12 DATE: 10/1/2013

Transporter:

C. Feijoo

Impact E

2

X C. Feijoo Trucking

Driver By

Truck/Trailer Plate 78/AJ106H

X

Driver Signature Julio Valdez

TIME: 9:12 DATE: 10/1

Manifest Number 154201

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 82780

NET TONS 27.26 TARE WEIGHT 28260

TICKET NUMBER 14384

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Amanda Lora

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/1/13 9:46

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Julio Valdez

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14385

154.199welcome14385id ground....

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

88120 lb
27400 lb
60720 lb

NET (tons):

30.360 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	10:00 am	10:01 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

jericar

Driver Name and Signature (conditional):

Truck Plate:

AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (~~print~~) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 9:26 DATE: 10/1/2013

Transporter:

Jercar

Impact E

2

Driver By Abdeen H.

Truck/Trailer Plate 4P552K

Driver Signature

TIME: 9:26 DATE: 10/1

Material/Note(s):

Manifest Number 154199

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 88120

NET TONS 30.36 TARE WEIGHT 27400

TICKET NUMBER 143895

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Amanda Locke

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/1/13 10:01

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14386

154,200welcome14386id ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:
2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):
Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)
87640 lb
29900 lb
58640 lb

NET (tons):
29.320 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	10:23 am	10:23 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
gomez

Driver Name and Signature (conditional):
Marco

Truck Plate:
AN667W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 9:50 DATE: 9/27/2013 10/1

Transporter:

Kay #2

I.E.

2

Driven By Mario Gomez

Truck/Trailer Plate 02/AW667W

Driver Signature

TIME: 9:50 DATE: 10/1

Manifest Number 154200

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 87640

NET TONS 29.32 TARE WEIGHT 29000

TICKET NUMBER 143849

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Amanda Locke

Date/Time 10/1/13 10:24

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14389

welcome to solid ground....

154,222 14389

Facility Registration #: 121888
Permit: CBG070002

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

93280 lb
26900 lb
66380 lb

NET (tons):

33.190 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	10:30 am	10:31 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 10:06 DATE: 10/1/2013

Transporter:

Jenlar

2

Driven By X Hernandez

Truck/Trailer Plate 67/AP8840

Driver Signature X

TIME: 10:00 DATE: 10/1

Manifest Number 154222

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 93280

NET TONS 33.19 TARE WEIGHT _____

TICKET NUMBER 14389

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/1/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14396

154,223 14396

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

88320 lb
28260 lb
60060 lb

NET (tons):

30.030 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	11:32 am	11:33 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

FEIJOO

Driver Name and Signature (conditional):

Julio Adez

Truck Plate:

AJ106H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig) [signature]

TIME: 10:58 DATE: 10/1/2013

Transporter:

L.Fe)00

I.E

2

Driven By ~~X~~ L. FE)00 TRUCKING

Truck/Trailer Plate 78/AJ106H

~~X~~ Driver Signature Julio Hdez

TIME: 10:58 DATE: 10/1

Material/Note(s):

Manifest Number 154223

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 88320

NET TONS 30.03 TARE WEIGHT _____

TICKET NUMBER 14396

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/1/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Julio Hdez

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14397

welcome to solid ground....

2 154,224 14397

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St.
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

91380 lb
27400 lb
63980 lb

NET (tons):

31.990 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	11:43 am	11:44 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:
AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig) [signature]

TIME: 11:03 DATE: 10/1

Transporter:

Jencar

I.E

2

Driven By Abdiel J.

Truck/Trailer Plate AP552R #70

Driver Signature [signature]

TIME: 11:03 DATE: 10/1

Manifest Number 154224

IMPACT ENVIRONMENTAL

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 91380

NET TONS 31.99 TARE WEIGHT _____

TICKET NUMBER 14397

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Date/Time 10/1/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2
1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14398

welcome to solid ground....

154,225 14398

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

89620 lb
29000 lb
59620 lb

NET (tons):

29.810 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	12:04 pm	12:05 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

KAS

Driver Name and Signature (conditional):

Mario

Truck Plate:

AN667W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 11:23 DATE: 10/1/2013

Transporter:

Kas #2

2

Driven By Mario Ramos.

Truck/Trailer Plate 02/AN69W

Driver Signature

TIME: 10:23 DATE: 10/1

Manifest Number 154225

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 88620

NET TONS 29.81 TARE WEIGHT _____

TICKET NUMBER 14398

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/1/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14401

154,226 14401

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

94120 lb
26900 lb
67220 lb

NET (tons):

33.610 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	12:42 pm	12:42 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) owner/Rep

Authorized By (sig)

TIME: 11:35 DATE: 10/1

Transporter:

Jencar

I.E

2

Driven By Hernandez

Truck/Trailer Plate 67/AP884D

Driver Signature

TIME: 11:35 DATE: 10/1

Manifest Number 154226

Material/Note(s):

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 74120

NET TONS 33.6 TARE WEIGHT _____

TICKET NUMBER 14401

Received By (print)

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/1/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14407

welcome to solid ground....

2 154,230 14407

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

93420 lb
27400 lb
66020 lb

NET (tons):

33.010 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	1:36 pm	1:36 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig) [signature]

TIME: 12:55 DATE: 10/1/2013

Transporter:

Jerca
I.E

2

Driven By Aldebien H.

Truck/Trailer Plate 10/AP552R

Driver Signature [signature]

TIME: 12:55 DATE: 10/1

Manifest Number 154230

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 73420

NET TONS 33.01 TARE WEIGHT _____

TICKET NUMBER 14407

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/1/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14408

welcome to solid ground....

154,226 14408

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

92640 lb
26900 lb
65740 lb

NET (tons):

32.870 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	2:16 pm	2:17 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

H Russ

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 1:26 DATE: 10/1

Transporter:

Jencar

I.E.

2

Driven By Fernandez

Truck/Trailer Plate 67/AP8640

Driver Signature

TIME: 1:26 DATE: 10/1

Manifest Number 154228

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 92640

NET TONS 32.87 TARE WEIGHT _____

TICKET NUMBER 14408

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/1/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2
1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14411

welcome to solid ground....

154,229 14411

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2168
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

88420 lb
29000 lb
59420 lb

NET (tons):

29.710 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/1/13	2:30 pm	2:30 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

KAS

Driver Name and Signature (conditional):

Truck Plate:

AN667W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Resendez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 1410 DATE: 10/1

Transporter:

Kag #2

I.E.

2

Driven By Mario Gomez

Truck/Trailer Plate 04 AW667W

Driver Signature

TIME: 1410 DATE: 10/1

Material/Note(s):

Manifest Number 154229

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 88420

NET TONS 29.71 TARE WEIGHT _____

TICKET NUMBER 14410

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/1/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14285

welcome to solid ground....

2 154,247 14285

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB - Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

86900 lb
26900 lb
60000 lb

NET (tons):

30.000 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	8:13 am	8:14 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: _____ DATE: 9/27-2013

Transporter:

2

Driven By

JEMAR 67

Truck/Trailer Plate AP8840

Driver Signature

TIME: 1235 DATE: 9-30-13

Material/Note(s):

Manifest Number 154247

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 86900

NET TONS 30.00 TARE WEIGHT _____

TICKET NUMBER 14285

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14288

154,248 ~~14288~~ *welcome to solid ground....*

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

86840 lb
28180 lb
58660 lb

NET (tons):

29.330 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	8:21 am	8:21 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AN509W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME:_____ DATE 9/27/2013

Transporter:

2

Driven By William Garcia

Truck/Trailer Plate JENCAR # 71 AN569W

Driver Signature

TIME: 7:32 DATE: 9-30-13

Material/Note(s):

Manifest Number 154248

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 86840

NET TONS 29.33 TARE WEIGHT _____

TICKET NUMBER 14288

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 9/30/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14289

welcome to solid ground....

2 154,246 14289

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

86220 lb
27400 lb
58820 lb

NET (tons):

29.410 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	8:23 am	8:24 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: _____ DATE: 9/27/2013

Transporter:

2

Driven By Adebien Hernandez

Truck/Trailer Plate APS52R JFNCM A70

Driver Signature

TIME: 7:40AM DATE: 9-30-13

Material/Note(s):

Manifest Number 154246

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 86220

NET TONS 29.41 TARE WEIGHT 27400

TICKET NUMBER 14289

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14291

2

154,239 *welcome to solid ground....* 14291

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

WEIGHTS

GROSS/TARE/NET (lbs)

84980 lb
28260 lb
56720 lb

NET (tons):

28.360 tn

NOTES:

Thanks

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

GIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	8:30 am	8:31 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

CF

Driver Name and Signature (conditional):

Truck Plate:

AJ106H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) owner/Rep

Authorized By (sig)

TIME: 7:55 DATE: 9/30

Transporter:

C.F
FEJ00 AJ106H
#478

2

Driven By C. FEIJOO TRUCKING

Truck/Trailer Plate AJ106H/78

Driver Signature

TIME: 7:55 DATE: 9/30

Material/Note(s):

Manifest Number 154239

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 84980

NET TONS 28.36 TARE WEIGHT _____

TICKET NUMBER 14291

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14292

welcome to solid ground....

154,245 14292

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

83780 lb
29000 lb
54780 lb

NET (tons):

27.390 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	8:33 am	8:34 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

KAS

Driver Name and Signature (conditional):

Truck Plate:

AN667W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owners Rep

Authorized By (sig)

TIME: 7:47 DATE 9/27

Transporter:

Kas #2

Impact Environmental

2

Driven By Mario Gomez

KAS #02

Truck/Trailer Plate AN6670

Driver Signature

TIME: 7:47 DATE: 9-30-13

Material/Note(s):

Manifest Number 154245

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 83780

NET TONS 27.39 TARE WEIGHT _____

TICKET NUMBER 14292

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14299

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

welcome to solid ground....

154,240 14299

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

78280 lb
26980 lb
51400 lb

NET (tons):

25.700 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	9:02 am	9:03 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

COSTA

Driver Name and Signature (conditional):

Truck Plate:

AN780W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig) [signature]

TIME: 8:07 DATE: 9/30

Transporter:

Costa
Impact Environmental

2

X Driven By COSTA 1

Truck/Trailer Plate 01 / AN-780W

X Driver Signature [signature]

TIME: 8:02 DATE: 9/30

Manifest Number 154240

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 78280

NET TONS 25.0 TARE WEIGHT _____

TICKET NUMBER 14299

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14308

welcome to solid ground....

154-241 14308

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
87520 lb	
26900 lb	30.310 tn
60620 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	9:48 am	9:48 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 4:15 DATE: 9/30

Transporter:

Jencar

Impact Environmental

2

Driven By Fernando Russi

Truck/Trailer Plate 67/AP 884D

Driver Signature

TIME: 4:15 DATE: 9/30

Material/Note(s):

Manifest Number 154241

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 87520

NET TONS 30.3 TARE WEIGHT _____

TICKET NUMBER 14308

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/20/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2
1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14310

welcome to solid ground....

154.242 14310

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166 -
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

91880 lb
28180 lb
63700 lb

NET (tons):

31.850 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	10:01 am	10:01 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AN509W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owners Rep

Authorized By (sig)

TIME: 9:20 DATE: 9/30

Transporter:

JCar

Impact Environmental

2

Driver By William Garcia.

Truck/Trailer Plate 71 / AN509W

Driver Signature

TIME: 9:20 DATE: 9/30

Manifest Number 154242

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 91880

NET TONS 31.85 TARE WEIGHT _____

TICKET NUMBER 14310

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14313

2

welcome to solid ground....

154,243 14313

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

85440 lb
27400 lb
58040 lb

NET (tons):

29.020 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	10:09 am	10:09 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 9:35 DATE: 9/29

Transporter:

Jencar

Impact Environ

2

Driven By Aldebica H.

Truck/Trailer Plate 70/AP552R

Driver Signature

TIME: 4:35 DATE: 9/30

Material/Note(s):

Manifest Number 154243

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 25440

NET TONS 29.02 TARE WEIGHT _____

TICKET NUMBER 14313

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2
1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14317

welcome to solid ground....

154,244 14317

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

87220 lb
28260 lb
58960 lb

NET (tons):

29.480 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	10:16 am	10:16 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

FEIJOO

Driver Name and Signature (conditional):

Truck Plate:

AJ106H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig) [signature]

TIME: 9:45 DATE: 9/30

Transporter:

C.F FEJOO #78

2

Driver By C. FEIJOO TRUCKING

Truck/Trailer Plate 78 / AJ106H

Driver Signature [signature]

TIME: 9:45 DATE: 9/30

Manifest Number 154244

IMPACT ENVIRONMENTAL

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 87220

NET TONS 29.48 TARE WEIGHT _____

TICKET NUMBER 14317

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14324

welcome to solid ground....

2
1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

154,202 14324
Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

78780 lb
26200 lb
52560 lb

NET (tons):

26.280 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	11:02 am	11:03 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

COSTA

Driver Name and Signature (conditional):

Truck Plate:

AN780U

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 10:30 DATE: 9/30

Transporter:

Costa

2

Driven By William

Truck/Trailer Plate 01 / AN7804

Driver Signature

TIME: 10:30 DATE: 9/30

Material/Note(s):

Manifest Number 154202

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 78760

NET TONS 26.38 TARE WEIGHT _____

TICKET NUMBER 14324

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14328

welcome to solid ground....

154,203 14328

Facility Registration #: 121888
Permit: CBG070002

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

91060 lb
26900 lb
64160 lb

NET (tons):

32.080 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Date and Time In and Out: CIS

	Tare Time	Gross Time
9/30/13	11:31 am	11:31 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) owner/Rep

Authorized By (sig) [signature]

TIME: 11:00 DATE: 9/30

Transporter:

Jencar

I. E.

2

Driven By Hernandez

Truck/Trailer Plate 67 AP4880

Driver Signature [signature]

TIME: 11:00 DATE: 9/30

Manifest Number 154203

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 91060

NET TONS 32.08 TARE WEIGHT _____

TICKET NUMBER 14328

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14333

welcome to solid ground....

2
1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

154,217 14333

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

96120 lb
27400 lb
68720 lb

NET (tons):

34.360 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Date and Time In and Out: CIS

	Tare Time	Gross Time
9/30/13	11:46 am	11:46 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Raul Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 11:15 DATE: 9/30/2013

Transporter:

Jencar

2

Driven By Audebert H.

Truck/Trailer Plate 70/AP552R

Driver Signature

TIME: 11:15 DATE: 9/30

Manifest Number 154217

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 91620

NET TONS 3436 TARE WEIGHT _____

TICKET NUMBER 14333

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14334

welcome to solid ground....

2
1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

154,210 14334
Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

96620 lb
28180 lb
68440 lb

NET (tons):

34.220 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	11:56 am	11:56 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AN509W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Carlos Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 11:25 DATE: 9/30/2013

Transporter:

Jesus

I.E.

2

Driven By William Garcia

Truck/Trailer Plate 71 / AR 1504W

Driver Signature

TIME: 11:25 DATE: 9/30

Manifest Number 154218

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 96620

NET TONS 34.22 TARE WEIGHT _____

TICKET NUMBER 14334

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) William Garcia

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2
1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14340

welcome to solid ground....

154,221 14340
Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
92040 lb	31.890 tn
28260 lb	
63780 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	12:27 pm	12:28 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

FEIJOO

Driver Name and Signature (conditional):

Truck Plate:

AJ166H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) [illegible]

Authorized By (title) [illegible]

Authorized By (sig) [illegible]

TIME: 11:55 DATE: 9/30/2013

Transporter:

CFeijo

IE

2

Driven By X CFeijo TRUCKING

Truck/Trailer Plate 78 / AJ106H

Driver Signature [illegible]

TIME: 11:55 DATE: 9/30

Manifest Number 154221

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 92040

NET TONS 31.89 TARE WEIGHT _____

TICKET NUMBER 14340

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [illegible]

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14348

welcome to solid ground....

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

154,208 14348

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

80080 lb
29000 lb
51080 lb

NET (tons):

25.540 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	1:11 pm	1:11 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

KAS

Driver Name and Signature (conditional):

Mario Gomez

Truck Plate:

AN067W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 12:33 DATE: 9/30

Transporter:

Kas #2

I.E

2

Driven By Mario Gomes

Truck/Trailer Plate AN6674

Driver Signature

TIME: 12:33 DATE: 9/30

Material/Note(s):

Manifest Number 154208

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 80080

NET TONS 25.54 TARE WEIGHT _____

TICKET NUMBER 143148

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) JO

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14350

welcome to solid ground....

154,209 14350

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

WEIGHTS

GROSS/TARE/NET (lbs)

80700 lb
26880 lb
53820 lb

NET (tons):

26.910 tn

NOTES:

Thanks

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	1:20 pm	1:21 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

COSTA

Driver Name and Signature (conditional):

Truck Plate:

AN780W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 12:40 DATE: 9/30

Transporter:

Costa

I.E.

2

Driven By William

Truck/Trailer Plate 01 / AN780W

Driver Signature

TIME: 12:40 DATE: 9/30

Material/Note(s):

Manifest Number 154209

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 80700

NET TONS 26.91 TARE WEIGHT _____

TICKET NUMBER 14350

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14351

welcome to solid ground....

154.216 14351
Facility Registration #: 121888
Permit: CBG070002

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

88040 lb
27400 lb
60640 lb

NET (tons):

30.320 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	1:33 pm	1:33 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) owner / Rep

Authorized By (sig)

TIME: 1:00 DATE: 9/30

Transporter:

Jencar

I.E

2

Driven By Aldebier A.

Truck/Trailer Plate AP552R#70

Driver Signature

TIME: 1:06 DATE: 9/30

Manifest Number 154216

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 88040

NET TONS 3032 TARE WEIGHT _____

TICKET NUMBER 14351

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14353

welcome to solid ground....

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

154220 14353
Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

91180 lb
26900 lb
64280 lb

NET (tons):

32.140 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Date and Time In and Out: CIS

	Tare Time	Gross Time
9/30/13	1:38 pm	1:39 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig) [signature]

TIME: 1:15 DATE: 9/30/2013

Transporter:

Jenlar
I.E

2

Driven By [signature]

Truck/Trailer Plate 67/A18844

Driver Signature [signature]

TIME: 1:15 DATE: 9/30

Manifest Number 154220

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 91180

NET TONS 32.14 TARE WEIGHT _____

TICKET NUMBER 14353

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14361

2

154,219 *welcome to solid ground....* 14361

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

94660 lb
28180 lb
66480 lb

NET (tons):

33.240 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	2:01 pm	2:02 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AN509W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 1:28 DATE: 9/30/2013

Transporter:

Jencar

I.E.

2

Driven By William Garcia

Truck/Trailer Plate 71/AN509W

Driver Signature

TIME: 1:28 DATE: 9/30

Manifest Number 154219

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 94660

NET TONS 33.24 TARE WEIGHT _____

TICKET NUMBER 14361

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14363

2

154,215 welcome to solid ground.... 14363

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

86340 lb
29000 lb
57340 lb

NET (tons):

28.670 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	2:50 pm	2:50 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

KAS

Driver Name and Signature (conditional):

Truck Plate:

AN667W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 2:10 DATE: 9/30

Transporter:

Kas #2

I.E.

2

Driven By ~~X~~ MARIO GOMEZ

Truck/Trailer Plate 82/AN667W

Driver Signature

TIME: 2:10 DATE: 9/30

Material/Note(s):

Manifest Number 154215

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 86340

NET TONS 28.67 TARE WEIGHT _____

TICKET NUMBER 141363

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14365

154,214 14365

welcome to solid ground....

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

78660 lb
26680 lb
51980 lb

NET (tons):

25.990 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/30/13	3:09 pm	3:09 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

COSTA

Driver Name and Signature (conditional):

Truck Plate:

AN780W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 2:37 DATE: 9/30

Transporter:

Costa

I.E

2

Driver By Williams

Truck/Trailer Plate 01 AN 780W

Driver Signature

TIME: 2:37 DATE: 9/30

Material/Note(s):

Manifest Number 154214

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 78860

NET TONS 25.99 TARE WEIGHT _____

TICKET NUMBER 14165

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/30/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14209

welcome to solid ground....

154,206 14209

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

86780 lb
27200 lb
59580 lb

NET (tons):

29.790 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	7:53 am	7:55 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP885D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) [illegible]

Authorized By (title) [illegible]

Authorized By (sig) [illegible]

TIME: 7:15 DATE: 9/26

Transporter:

Jencar

Impact Environmental

2

Driven By Juan Rodriguez

Truck/Trailer Plate 69 / AP885D

Driver Signature Juan Rodriguez

TIME: 7:15 DATE: 9/26

Manifest Number 154206

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 86780

NET TONS 29.79 TARE WEIGHT _____

TICKET NUMBER 14209

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 9/26/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14210

154,204 14210

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

79260 lb
25200 lb
54060 lb

NET (tons):

27.030 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	8:09 am	8:09 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

AMBER

Driver Name and Signature (conditional):

Truck Plate:

AN715V

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) owner/rep

Authorized By (sig)

TIME: 1:30 DATE: 9/26

Transporter:

Amber

Impact Environ

2

Driven By Jaime

Truck/Trailer Plate #1 / AN715V

Driver Signature

TIME: 1:30 DATE: 9/26

Material/Note(s):

Manifest Number 154204

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 99260

NET TONS 27.03 TARE WEIGHT _____

TICKET NUMBER 14210

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14213

welcome to solid ground....

154,205 14213

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

87580 lb
26900 lb
60680 lb

NET (tons):

30.340 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	8:20 am	8:20 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) [signature]

Authorized By (title) [signature]

Authorized By (sig) [signature]

TIME: 7:45 DATE: 9/26

Transporter:

Jen Car

Impact Environmental

2

Driven By [signature]

Truck/Trailer Plate 67 AP884D

Driver Signature [signature]

TIME: 7:45 DATE: 9/26

Material/Note(s):

Manifest Number 154205

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 81580

NET TONS 30.34 TARE WEIGHT _____

TICKET NUMBER 14213

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14224

2

154,184 14224

welcome to solid ground....

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

83320 lb
27200 lb
56120 lb

NET (tons):

28.060 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	9:30 am	9:30 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP885D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Gabriel Fennoni

Authorized By (title) Owner/Rep

Authorized By (sig) [signature]

TIME: 9:06 DATE: 9/20/2013

Transporter:

Jan Car 69.
Impact Environmental

2

Driven By [signature]

Truck/Trailer Plate 69 AP 8850

Driver Signature [signature]

TIME: 9:00 DATE: 9/24

Manifest Number 154184

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 83320

NET TONS 28.06 TARE WEIGHT _____

TICKET NUMBER 14224

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14225

welcome to solid ground....

154,188 14225

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

80800 lb
25200 lb
55600 lb

NET (tons):

27.800 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	9:42 am	9:43 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

AMBER

Driver Name and Signature (conditional):

Truck Plate:

AN715V

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fermaint

Authorized By (title) Owner Rep

Authorized By (sig) [signature]

TIME: 9:10 DATE: 9/26/2013

Transporter:

Amber

Impact Environmental

2

Driver By [signature]

Truck/Trailer Plate 1141 AN 715V

Driver Signature [signature]

TIME: 9:10 DATE: 9/26

Material/Note(s):

Manifest Number 154188

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 80800

NET TONS 37.80 TARE WEIGHT _____

TICKET NUMBER 14225

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 9/26/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14226

154,187 14226

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

96040 lb
26900 lb
69140 lb

NET (tons):

34.570 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	9:52 am	9:52 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 9:20 DATE: 9/26/13

Transporter:

Jenkar

Impact Environmental

2

Driven By Fernando Rosa

Truck/Trailer Plate 67/AP 8840

Driver Signature

TIME: 9:20 DATE: 9/26

Manifest Number 154187

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 96040

NET TONS 34.57 TARE WEIGHT _____

TICKET NUMBER 14226

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14229

welcome to solid ground....

154,198 14229

Facility Registration #: 121888
Permit: CBG070002

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

90960 lb
25000 lb
65960 lb

NET (tons):

32.980 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	10:23 am	10:23 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

[redacted] VE

Driver Name and Signature (conditional):

[signature]

Truck Plate:

AP828N

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Carlos Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 9:48 DATE: 9/26/13

Transporter:

V + B

Impact Environmental

2

Driven By VENNY

Truck/Trailer Plate 3 AP828N

Driver Signature

TIME: 9:48 DATE: 9/26

Manifest Number 154198

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 90960

NET TONS 32.98 TARE WEIGHT _____

TICKET NUMBER 14229

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14232

welcome to solid ground....

154,197 14232

Facility Registration #: 121888
Permit: CBG070002

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

GENERATOR

Part 1

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

MATERIAL CLASSIFICATION AND WEIGHT

Part 2

Classification of Material:

CLASSB Class B Materi

WEIGHTS

GROSS/TARE/NET (lbs)

93380 lb
25000 lb
68380 lb

NET (tons):

34.190 tn

NOTES: Thanks

WEIGHT CETIFICATION

Part 3

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	10:30 am	10:30 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Part 4

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Andres Arroyo

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Carlos Fernandez

Authorized By (title) Owner / Rep

Authorized By (sig)

TIME: 9:52 DATE: 9/26/2013

Transporter:

Jarcar

2

Driven By Andres Arenza

Truck/Trailer Plate 68/AP812A

Driver Signature

TIME: 9:52 DATE: 9/26

Material/Note(s):

Manifest Number 154197

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 93380

NET TONS 34.19 TARE WEIGHT _____

TICKET NUMBER 14232

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14235

welcome to solid ground....

154,186 - 14235

Facility Registration #: 121888
Permit: CBG070002

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

GENERATOR

Part 1

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

MATERIAL CLASSIFICATION AND WEIGHT

Part 2

Classification of Material:

CLASSB Class B Materi

WEIGHTS

GROSS/TARE/NET (lbs)

86840 lb
27200 lb
59640 lb

NET (tons):

29.820 tn

NOTES:
Thanks

WEIGHT CETIFICATION

Part 3

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	10:56 am	10:57 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Part 4

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP885D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Carol Kennedy

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 10:20 DATE: 9/26/2013

Transporter:

Jencar 69.

Impact Environmental

2

Driver By

Truck/Trailer Plate 69 / AP885D

Driver Signature

TIME: 10:20 DATE: 9/26

Manifest Number 154186

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 86840

NET TONS 29.82 TARE WEIGHT _____

TICKET NUMBER 14235

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14236

welcome to solid ground....

154,185 14236

Facility Registration #: 121888
Permit: CBG070002

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

90980 lb
25200 lb
66780 lb

NET (tons):

32.890 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	11:09 am	11:10 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

AMBER

Driver Name and Signature (conditional):

Truck Plate:

AN715V

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Edwin Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 10137 DATE: 9/26/13

Transporter:

Amber Impact

2

Driven By J Mizo

Truck/Trailer Plate 141/AN 715V

Driver Signature

TIME: 10137 DATE: 9/26

Material/Note(s):

Manifest Number 154185

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 90980

NET TONS 32.89 TARE WEIGHT _____

TICKET NUMBER 14236

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 9/26/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14239

welcome to solid ground....

154,196 14239

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

GENERATOR

Part 1

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

MATERIAL CLASSIFICATION AND WEIGHT

Part 2

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

92520 lb
26900 lb
65620 lb

NET (tons):

32.810 tn

WEIGHT CETIFICATION

Part 3

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	11:17 am	11:18 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Part 4

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 10:50 DATE: 9/26

Transporter:

JenCar
Impact

2

Driven By Hernandez

Truck/Trailer Plate 67/AP8840

Driver Signature

TIME: 10:50 DATE: 9/26

Material/Note(s):

Manifest Number 154196

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 92520

NET TONS 32.81 TARE WEIGHT _____

TICKET NUMBER 14239

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14242

welcome to solid ground....

154,195 14242

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

93320 lb
28180 lb
65140 lb

NET (tons):

32.570 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	11:34 am	11:34 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AN509W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner / Rep

Authorized By (sig)

TIME: 11:00 DATE: 9/26

Transporter:

Jencar

2

Driven By William Garcia

Truck/Trailer Plate 79 / AN509W

Driver Signature

TIME: 11:00 DATE: 9/26

Manifest Number 154195

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 93320

NET TONS 32.57 TARE WEIGHT _____

TICKET NUMBER 14242

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2
1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14245

welcome to solid ground....

154,189 14245

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

92240 lb
25000 lb
67240 lb

NET (tons):

33.620 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	11:51 am	11:51 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

VE

Driver Name and Signature (conditional):

Truck Plate:

AP828N

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner / Rep

Authorized By (sig)

TIME: 11:20 DATE: 9/26/13

Transporter:

V & E

Impact Environmental

2

Driven By Harry

Truck/Trailer Plate 3 / AP828N

Driver Signature

TIME: 11:20 DATE: 9/26

Material/Note(s):

Manifest Number 154189

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 92240

NET TONS 33.62 TARE WEIGHT _____

TICKET NUMBER 14245

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14246

welcome to solid ground....

154,190 14246

Facility Registration #: 121888
Permit: CBG070002

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

93320 lb
25000 lb
68320 lb

NET (tons):

34.160 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	12:09 pm	12:09 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Andres Areiza

Truck Plate:

AP812A

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 11:27 DATE: 9/26/2013

Transporter:

Jencar

Impact Environmental

2

Driven By ~~X~~ Andres Arroyo

Truck/Trailer Plate 68/AP812A

Driver Signature

TIME: 11:27 DATE: 9/26

Material/Note(s):

Manifest Number 154190

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 83320

NET TONS 34.16 TARE WEIGHT _____

TICKET NUMBER 14246

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14250

welcome to solid ground....

154,191 14250

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

90760 lb
25200 lb
65580 lb

NET (tons):

32.790 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	12:35 pm	12:35 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

AMBER

Driver Name and Signature (conditional):

T

Truck Plate:

AN715V

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 11:55 DATE: 9/26/13

Transporter:

Amber

Impact Environmental

2

Driven By ~~X~~ Duing

Truck/Trailer Plate 1141/AN715V

Driver Signature ~~X~~

TIME: ~~11:55~~ DATE: 9/26

Manifest Number 154191

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 90780

NET TONS 32.79 TARE WEIGHT _____

TICKET NUMBER 14250

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14251

welcome to solid ground....

154,192 14251

Facility Registration #: 121888
Permit: CBG070002

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

93880 lb
27200 lb
66680 lb

NET (tons):

33.340 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	12:42 pm	12:43 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP885D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner / Rep

Authorized By (sig)

TIME: 12:05 DATE: 9/26/2013

Transporter:

Jenlar

Impact Environmental

2

Driven By Hernandez

Truck/Trailer Plate 69/AP885D

Driver Signature

TIME: 12:05 DATE: 9/26

Material/Note(s):

Manifest Number 154192

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 93880

NET TONS 33.34 TARE WEIGHT _____

TICKET NUMBER 14251

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14256

welcome to solid ground....

154,193 14256

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

93180 lb
28180 lb
65000 lb

NET (tons):

32.500 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	1:29 pm	1:29 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AN509W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 12:50 DATE: 9/26/2013

Transporter:

Jer Car

Impact Environmental

2

Driven By William Garcia

Truck/Trailer Plate 71/AN509W

Driver Signature

TIME: 12:50 DATE: 9/26

Manifest Number 154193

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 93180

NET TONS 32.50 TARE WEIGHT _____

TICKET NUMBER 1 4286

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14259

welcome to solid ground....

154,194 14259

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

95340 lb
25000 lb
70340 lb

NET (tons):

35.170 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	1:38 pm	1:38 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Andres Areiza

Truck Plate:

AP812A

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) owner/Rep

Authorized By (sig)

TIME: 1:05 DATE: 9/26

Transporter:

JenCar

Impact Environmental

2

Driven By Andres Arcia

Truck/Trailer Plate 68/AP812A

Driver Signature

TIME: 1:05 DATE: 9/26

Manifest Number 154194

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 95340

NET TONS 35.17 TARE WEIGHT _____

TICKET NUMBER 14259

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14265

154,207 *welcome to solid ground....* 14265

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

87900 lb
26900 lb
61000 lb

NET (tons):

30.500 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
9/26/13	2:24 pm	2:24 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 1:45 DATE: 9/27/2013

Transporter:

JenCar

Impact Environmental

2

Driven By Fernandez

Truck/Trailer Plate 67/AP8849

Driver Signature

TIME: 1:45 DATE: 9/26

Manifest Number 154207

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 87900

NET TONS 30.50 TARE WEIGHT _____

TICKET NUMBER 14265

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 9/26/13

Receiving Facility:

CUMBERLAND COUNTY SOLID WASTE COMPLEX
2 NORTH HIGH ST.
MILLVILLE, NJ 08332

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

FORMER NEW JERSEY-ZINC WEST PLANT

1120 MAUCH CHUNK ROAD

PALMERTON, PA 18071

MANIFESTS and SCALE TICKETS

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 158834

Ticket Number: 18791 18791

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

91660 lb
29300 lb
62360 lb

NET (Tons):

31.180 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: GIS

Date and Time In and Out: 10/29/13 Tare Time 9:26 am Gross Time 9:28 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AP328G

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 7:10 DATE: 10/29

Transporter:

Mendez

94

2

Driven By Roger Mesen

Truck/Trailer Plate AP 3286/94

Driver Signature

TIME: 7:10 DATE: 10/29

Manifest Number 156034

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62368 GROSS WEIGHT 91660

NET TONS 31.18 TARE WEIGHT 29034

TICKET NUMBER 18791

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mlm 75975

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/29/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,035

Ticket Number: 18792 18792

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

99460 lb
28860 lb
70600 lb

NET (Tons):

35.300 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIC

Date and Time In and Out:	Tare Time	Gross Time
10/29/13	9:35 am	9:35 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AP659R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) [illegible]

Authorized By (title) [illegible]

Authorized By (sig) [signature]

TIME: 720 DATE: 10/29

Transporter:
Mendez

2

Driven By E Mata

Truck/Trailer Plate 101 / AP 639R

Driver Signature [signature]

TIME: 720 DATE: 10/29

Manifest Number 156035

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 70600 GROSS WEIGHT 99460
NET TONS 35.30 TARE WEIGHT 28860
TICKET NUMBER 18792

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) MLM 75919

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/29/13 936

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~156,036~~

Ticket Number: 18793 ~~18793~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
~~3476493134~~

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

100920 lb
~~28660~~ lb
72260 lb

NET (Tons):

~~00.100~~ tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: Tare Time / Gross Time

10/29/13 9:40 am 9:42 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:

AN719Y

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fermaint

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 736 DATE: 10/29/15

Transporter:

Mendez

2

Driven By Jaime Velasko

Truck/Trailer Plate 87/AN 7194

Driver Signature

TIME: 735 DATE: 10/29/15

Manifest Number 156036

IMPACT ENVIRONMENTAL

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 72.260 GROSS WEIGHT 100920

NET TONS 36.13 TARE WEIGHT 28660

TICKET NUMBER 18793

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mem 75979

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/29/15 942a

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,037

Ticket Number: 18795 18795

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

97860 lb
26500 lb
71360 lb

NET (Tons):

35.680 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CHS

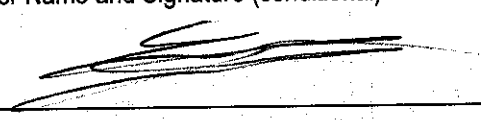
	Tare Time	Gross Time
Date and Time In/Out: 10/29/13	9:50 am	9:50 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):



Truck Plate Number: AR792H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 735 DATE: 10/29

Transporter:

Mendez
98.

2

Driven By Elias Marquez

Truck/Trailer Plate 98/AP7924

Driver Signature

TIME: 735 DATE: 10/29

Material/Note(s):

PA REGULATED FILL

Manifest Number 156037

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 71360 GROSS WEIGHT 97860

NET TONS 35.68 TARE WEIGHT 26500

TICKET NUMBER 18795

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) MEM 75919

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/29/13 950

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,039

Ticket Number: 18796 (18796)

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES:
Thanks

GROSS/TARE/NET (lbs)

101880 lb
26200 lb
75680 lb

NET (Tons):

37.840 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/29/13	10:01 am	10:02 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AM320V

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner / Mgr

Authorized By (sig)

TIME: 750 DATE: 10/29

Transporter:

Mendez

2

Driven By Cesar Zamora

Truck/Trailer Plate 223/AM32A

Driver Signature Cesar Zamora

TIME: 750 DATE: 10/30

Manifest Number 156039

IMPACT ENVIRONMENTAL

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 75680 GROSS WEIGHT 101880

NET TONS 37.84 TARE WEIGHT 26200

TICKET NUMBER 18796

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Alex 75279

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10-29-13 1002a

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Cesar Zay

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,040

Ticket Number: 18800

18800

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
2176493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES:
Thanks

GROSS/TARE/NET (lbs)

99740 lb
28760 lb
70980 lb

NET (Tons):

35.490 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out: Tare Time Gross Time
10/29/13 10:20 am 10:21 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AK597T

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Richie Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 745 DATE: 10/29

Transporter:

Manolo's

2

Driven By

Truck/Trailer Plate 02/AK5977

Driver Signature

TIME: 745 DATE: 10/29

Manifest Number 156040

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 70980 GROSS WEIGHT 99740

NET TONS 35.49 TARE WEIGHT 28760

TICKET NUMBER 18800

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Glen 75979

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/29/3 1022

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~156,452~~

Ticket Number: ~~18803~~ 18803

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:
~~2166~~
WEST TREMONT RESIDENCES LLC
~~300 E. 175th STREET~~
~~BRONX, NY 10457~~
3476493134

Source Location (Name, Address):
~~PROMESA (WEST TREMONT RESI~~
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
~~Regulated Fill~~

~~Thanks~~

NOTES:

GROSS/TARE/NET (lbs)
~~99120 lb~~
~~28820 lb~~
~~70300 lb~~

NET (Tons):
~~35.150 tn~~

WEIGHT CETIFICATION

~~CIS~~

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Date	Tare Time	Gross Time
~~10/29/13~~	~~11:58 am~~	~~11:59 am~~

Date and Time In and Out:

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

~~ORACLE~~
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):
~~AN694R~~

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Impact Environmental
Authorized By (print) Per Promesa

Environmental Consultant
Authorized By (title) Stuart Mark

Authorized By (sig) Stuart Mark
TIME: 853 DATE: 10/29

Transporter:

Mender
#24

2

Driven By William Lopez

Truck/Trailer Plate 21 / AN694R

Driver Signature

TIME: 855 DATE: 10/29

Material/Note(s):

PA REGULATED FILL

Manifest Number 156452

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 70300 GROSS WEIGHT 99120
35.15 NET TONS 28820 TARE WEIGHT
TICKET NUMBER 18803

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mlm Torres

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/29/13 11:54

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~156,038~~

Ticket Number: ~~18806~~ 18806

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX NY 10457
3478493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES:
Thanks

GROSS/TARE/NET (lbs)

99800 lb
29420 lb
70380 lb

NET (Tons):

35.190 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out: 10/29/13 Tare Time 12:16 pm Gross Time 12:17 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AN843J

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

Authorized By (print) Rafic Kennedy

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 8:45 DATE: 10/29

Transporter:

Mendez

Driven By Rene Cop

Truck/Trailer Plate 36/AM843J

Driver Signature

TIME: 8:45 DATE: 10/29

Material/Note(s):

PA REGULATED FILL

Manifest Number 156038

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 70380 GROSS WEIGHT 99800

NET TONS 35.19 TARE WEIGHT 29420

TICKET NUMBER 18806

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mem 75919

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

Date/Time 10/29/13 12:17p

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156453

Ticket Number: 18809 18809

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

95480 lb
29300 lb
66180 lb

NET (Tons): 33.090 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: Tare Time Gross Time
10/29/13 1:52 pm 1:53 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AP328G

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Impact for Promesa

Authorized By (title) Environmental Consultant Stuart Mack

Authorized By (sig) Stuart Mack

TIME: 1130 DATE: 10/29

Transporter:

Mendez

2

Driven By Roger Mesen

Truck/Trailer Plate 94 / AP328G

Driver Signature

TIME: 1130 DATE: 10/29

Material/Note(s):

PA REGULATED FILL

Manifest Number 156453

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 66180 GROSS WEIGHT 95460

NET TONS 33.09 TARE WEIGHT 29300

TICKET NUMBER 18809

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) MLM 7595

Date/Time 10/29/13 1:53pm

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,450

Ticket Number: 18813 18813

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

99480 lb
26500 lb
72980 lb

NET (Tons):

36.490 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 10/29/13 Tare Time 2:32 pm Gross Time 2:33 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AP792H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Impact Environmental Promesa

Authorized By (title) Environmental Consultant Stu Mack

Authorized By (sig) [signature] TIME: 1210 DATE: 10/29

Transporter:

Mendez
98.

2

Driven By Elias Marquez Trinidad

Truck/Trailer Plate 98/AP792H

Driver Signature [signature] TIME: 1210 DATE: 10/29

Material/Note(s):

PA REGULATED FILL

Manifest Number 156450

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 72980 GROSS WEIGHT 99480

NET TONS 3649 TARE WEIGHT 26500

TICKET NUMBER 18813

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) mlm 7523

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/29/13 2330

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156.455

Ticket Number: 18814 ~~18814~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

96120 lb
28860 lb
67260 lb

NET (Tons):

33.630 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
GIS

Date and Time In and Out: 10/29/19 Tare Time 2:35 pm Gross Time 2:36 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

AF638 Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Impact Environmental for Promesa

Authorized By (title) Environmental Consultant Stuart Mack

Authorized By (sig) [signature]

TIME: 1156 DATE: 10/29

Transporter:

Meder

2

Driven By E Mata.

Truck/Trailer Plate 101 / AP639R

Driver Signature [signature]

TIME: 1150 DATE: 10/29

Material/Note(s):

PA REGULATED FILL

Manifest Number 156455

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 67260 GROSS WEIGHT 96120

NET TONS 3363 TARE WEIGHT 28860

TICKET NUMBER 8814

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Date/Time 10/29/13 2370

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~156,454~~ ~~18815~~

Ticket Number: 18815

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
~~3476493134~~

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

~~98080~~ lb
~~28660~~ lb
~~69420~~ lb

NET (Tons):

~~34.710~~ tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 10/29/13 Tare Time 2:39 pm Gross Time 2:40 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate Number: AN719Y

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Impact Environmental for Promesa

Authorized By (title) Environmental Consultant Stuart Mack

Authorized By (sig) [signature]

TIME: 1145 DATE: 10/29

Transporter:

Mendez

2

Driven By Jaime Velasco

Truck/Trailer Plate 87/AN719Y

Driver Signature [signature]

TIME: 1145 DATE: 10/29

Manifest Number 156454

IMPACT ENVIRONMENTAL

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 69420 GROSS WEIGHT 98080

NET TONS 34.71 TARE WEIGHT 28660

TICKET NUMBER 18815

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mike 75919

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/29/13 2:40 p.

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,449

Ticket Number: 18821 ~~18821~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
2176493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

98220 lb
26220 lb
72000 lb

NET (Tons):

36.000 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: Tare Time Gross Time
10/29/13 3:33 pm 3:34 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AP864P

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Impact Environmental Promesa

Authorized By (title) Environmental Consultant Stuart Mack

Authorized By (sig) [signature]

TIME: 10:29 DATE: 10/29

Transporter:
Mendez

2

Driver By [signature]

Truck/Trailer Plate 61 / AP864P

Driver Signature [signature]

TIME: 1:11 DATE: 10/29

Material/Note(s):

PA REGULATED FILL

Manifest Number 156449

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 72000 GROSS WEIGHT 98220
NET TONS 36.00 TARE WEIGHT 26220
TICKET NUMBER 18821

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/29/13 3:34 pm

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,448

Ticket Number: 18824 (18824)

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

~~102640 lb~~
28140 lb
74700 lb

NET (Tons):

37.350 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: Tare Time / Gross Time

10/29/13 4:23 pm 4:24 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:

AP414M

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Impact Environmental
Authorized By (print) Promesa

Environmental Consultant
Authorized By (title) Stuart Mack

Authorized By (sig) [signature]
TIME: 1200 DATE: 10/29

Transporter:
Manolos

2

Driven By GONZALO FLORES

Truck/Trailer Plate 05 / AP444M

Driver Signature [signature]
TIME: 1200 DATE: 10/29

Manifest Number 156448

IMPACT ENVIRONMENTAL

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 74700 GROSS WEIGHT 102840
NET TONS 37.35 TARE WEIGHT 28140
TICKET NUMBER 18824

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Date/Time 10/29/13 425

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,001

Ticket Number: 18449 ~~18449~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
~~300 E. 75th~~ STREET
BRONX, NY 10457

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 W. TREMONT AVENUE
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

92920 lb
29300 lb
63620 lb

NET (Tons):

31.810 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 10/22/13 Tare Time 9:22 am Gross Time 9:23 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AP328G

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) ENV. CONSULTANT ON BEHALF OF PROMESA

Authorized By (title) IMPACT ENV. ENV. CONSULTANT

Authorized By (sig) Benjamin Munoz

TIME: 7: DATE: 10-22-13

Transporter:

ORIELE

2

Driven By Roger Mesen

Truck/Trailer Plate MENDEZ #94 AP3286

Driver Signature

TIME: 7:12 AM DATE: 10-22-13

Manifest Number 156001

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 63620 GROSS WEIGHT 92920

NET TONS 31.81 TARE WEIGHT 29300

TICKET NUMBER 18449

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) mlm 7579

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/13 IN 923am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,002

Ticket Number: 18453 18453

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

91460 lb
27300 lb
64160 lb

NET (Tons):

32.080 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CHS

Date and Time In/Out:	Tare Time	Gross Time
10/22/18	9:41 am	9:42 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number: AK1764

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

ENVIRONMENTAL CONSULTANT ON
Authorized By (print) BEHALF OF PROMESA

IMPACT ENVIRONMENTAL
Authorized By (title) B. HERNANDEZ

Authorized By (sig) [signature]

TIME: _____ DATE: 10-22-13

Transporter:

ORACLE

2

Driven By ISRAEL RODRIGUEZ

FY MUNOZ #17
Truck/Trailer Plate AK176A

Driver Signature [signature]

TIME: 7:20AM DATE: 10-22-13

Material/Note(s):

PA REGULATED FILL

Manifest Number 156002

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 64160 GROSS WEIGHT 91460
NET TONS 3208 TARE WEIGHT 27300
TICKET NUMBER 18453

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) MLM 75975

Date/Time 10/22/13 942a

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~156,003~~

Ticket Number: ~~18456~~ 18455

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

~~94700~~ lb
28660 lb
66040 lb

NET (Tons):

33.020 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 10/22/13 Tare Time 9:47 am Gross Time 9:48 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:

AN7 19Y

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

ENVIRONMENTAL CONSULTANT ON
Authorized By (print) BEHALF OF PROMESA

IMPACT ENVIRONMENTAL
Authorized By (title) B. HERNANDEZ

Authorized By (sig) [signature]

TIME: _____ DATE: 10-22-13

Transporter:

2

Driven By Jaime Velasco

MENDEZ #87
Truck/Trailer Plate AN7197

Driver Signature [signature]

TIME: 7:28AM DATE: 10-22-13

Manifest Number 156003

IMPACT ENVIRONMENTAL

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 66040 GROSS WEIGHT 94700
NET TONS 33.02 TARE WEIGHT 28660
TICKET NUMBER 18455

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) MEM 7595

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/13 948am

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,004

Ticket Number: 18458 (18458)

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

93420 lb
27200 lb
66220 lb

NET (Tons):

33.110 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: Tare Time 10/22/13 10:09 am Gross Time 10:10 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

J Milton

Truck Plate Number:

AK972W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) ENVIRONMENTAL COORDINATOR ON BEHALF of PROMESA

Authorized By (title) IMPACT ENVIRONMENTAL B. HERNANDEZ

Authorized By (sig) [signature]

TIME: 730 DATE: 10-22-13

Transporter:

FY MUÑOZ #20

2

Driven By MILTON QUINTERO,

FY MUNOZ #20

Truck/Trailer Plate AK 972W

Driver Signature [signature]

TIME: 730 DATE: 10-22-13

Manifest Number 156004

IMPACT ENVIRONMENTAL

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 66226 GROSS WEIGHT 93420

NET TONS 33.11 TARE WEIGHT 27200

TICKET NUMBER 18458

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Date/Time 10/22/13 10:10 am

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~156:005~~ ~~18458~~

Ticket Number: 18459

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

94080 lb
28840 lb
65240 lb

NET (Tons):

32.620 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 10/22/13 Tare Time 10:16 am Gross Time 10:16 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):
Marcelo Siqueira

Truck Plate Number:
AN550M

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant on behalf of Promesa

Authorized By (title) Impact Environmental / Stuart Mack

Authorized By (sig) [signature]

TIME: 744 DATE: 10/22

Transporter:

Mendez

2

Driver By Marcelo Siqueira

Truck/Trailer Plate 10/AN550M

Driver Signature [signature]

TIME: 744 DATE: 10/22

Material/Note(s):

PA REGULATED FILL

Manifest Number 156005

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 65240 GROSS WEIGHT 94080

NET TONS 3262 TARE WEIGHT 28840

TICKET NUMBER 1859

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible] 7543

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/15 10:17a

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,006

Ticket Number: 18462 (18462)

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
[illegible]493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

89340 lb
28820 lb
60520 lb

NET (Tons):

30.260 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: Tare Time 10/22/13 10:42 am Gross Time 10:44 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

AN694R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Environmental consultant on behalf of Promesa
Authorized By (print)

Impact Environmental
Authorized By (title) Stuart Mark

Authorized By (sig) Stuart Mark

TIME: ~~7~~50 DATE: 10/22

Transporter:

Mendez

2

Driven By Wilmer Lozano

Truck/Trailer Plate 21 / AN694R

Driver Signature

TIME: 750 DATE: 10/22

Manifest Number 156006

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 60520 GROSS WEIGHT 89340

NET TONS 30.26 TARE WEIGHT 28820

TICKET NUMBER 18462

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Wilmer Lozano

Date/Time 10/22/13 1044

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,007

Ticket Number: 18464 18464

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:
2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):
PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

Thanks

NOTES:

GROSS/TARE/NET (lbs)
94940 lb
27500 lb
67440 lb

NET (Tons):
33.720 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out:
10/22/13 Tare Time 10:49 am Gross Time 10:50 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):
Luis Tello

Truck Plate Number:
AN556Y

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant on behalf of Promesa

Authorized By (title) Impact Environmental Stuart Mack

Authorized By (sig) Stuart Mack

TIME: 805 DATE: 10/22

Transporter:

Mendez #91

2

Driver By Luis Tello

Truck/Trailer Plate 91/AN556Y

Driver Signature Luis Tello

TIME: 805 DATE: 10/22

Material/Note(s):

PA REGULATED FILL

Manifest Number 156007

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 67440 GROSS WEIGHT 94940

NET TONS 33.72 TARE WEIGHT 27500

TICKET NUMBER 18464

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Omar Soto

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/22 1051

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Luis Tello

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~156,011~~ ~~18465~~

Ticket Number: 18465

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
~~3476493134~~

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES:

Thanks

GROSS/TARE/NET (lbs)

88440 lb
26500 lb
61940 lb

NET (Tons):

30.970 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: ~~10/22/13~~ Tare Time 10:52 am Gross Time 10:53 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:

~~AP792H~~

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant Promesa

Authorized By (title) Impact Environmental Stuart Mack

Authorized By (sig) Stuart Mack

TIME: 825 DATE: 10/22

Transporter:

Mendez
98.

2

Driven By Elias M T

Truck/Trailer Plate 98/AP7921H

Driver Signature

TIME: 825 DATE: 10/22

Manifest Number 156011

IMPACT ENVIRONMENTAL

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 61940 GROSS WEIGHT 88440

NET TONS 30.97 TARE WEIGHT 26500

TICKET NUMBER

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) mlm 75929

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/13 1054a

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~156,008~~

Ticket Number: 18466 ~~18466~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES: [redacted]

GROSS/TARE/NET (lbs)

93660 lb
26600 lb
~~67060~~ lb

NET (Tons):

33.530 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: Tare Time 10/22/13 10:55 am Gross Time 10:56 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:

AN656Y

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant for Promesa

Authorized By (title) Impact Environmental Stuart Mark

Authorized By (sig) Stuart Mark

TIME: 810 DATE: 10/22

Transporter:

CF

2

Driven By MARCUS BENGA

Truck/Trailer Plate 09/AN656X

Driver Signature

TIME: 810 DATE: 10/22

Manifest Number 156008

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 67060 GROSS WEIGHT 93660

NET TONS 3353 TARE WEIGHT 26600

TICKET NUMBER 184464

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) mlm 7593

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/13 1054

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,009

Ticket Number: 18468 18468

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

94740 lb
29420 lb
65320 lb

NET (Tons):

32.660 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
10/22/19	11:03 am	11:04 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AN8430

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant Promesa

Authorized By (title) Impact Environmental Stuart Mark

Authorized By (sig) [signature]

TIME: 820 DATE: 10/22

Transporter:

Mander

2

Driven By [signature] Rene Lopez

Truck/Trailer Plate 36/AN843J

Driver Signature [signature]

TIME: 920 DATE: 10/22

Manifest Number 156009

IMPACT ENVIRONMENTAL

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 65320 GROSS WEIGHT 94740

NET TONS 3266 TARE WEIGHT 29420

TICKET NUMBER 18468

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Ymbra 7548

Date/Time 10/22/13 11:04a

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,010

Ticket Number: 18469 (18469)

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #: 2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source Description (Address): PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: Regulated Fill

Thanks

NOTES:

GROSS/TARE/NET (lbs)
92320 lb
30300 lb
62020 lb

NET (Tons): 31.010 tn

WEIGHT CETIFICATION

CIS

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: Tare Time Gross Time
10/22/13 11:04 am 11:06 am

Date and Time In and Out:

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

MENDEZ
Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

AN370M

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant Promesa

Authorized By (title) Impact Environmental / Stuart Mack

Authorized By (sig) Stuart Mack

TIME: 420 DATE: 10/22

Transporter:
Mendez

2

Driver By Eulalio Aviles

Truck/Trailer Plate 286/AN3701B

Driver Signature Eulalio Aviles

TIME: 820 DATE: 10/22

Material/Note(s):

PA REGULATED FILL

Manifest Number 156010

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62020 GROSS WEIGHT 92320.

NET TONS 31.01 TARE WEIGHT 30300.

TICKET NUMBER 18469

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/22 11:01

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Eulalio Aviles

156.013 18470

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number:

Ticket Number: 18470

SCALE TICKET

GENERATOR

PROMESA WEST TREMONT RESI

Generator Name, Address and Telephone #:
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Thanks

NOTES:

GROSS/TARE/NET (lbs)
96920 lb
26200 lb
70720 lb

NET (Tons):
35.360 tn

WEIGHT CETIFICATION CIS

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:	Tare Time	Gross Time
10/22/13	11:08 am	11:09 am

Date and Time In and Out:

Scale Operator Notes:
ok / mlm 7595

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
Angel Morales

Driver Name and Signature (conditional):
AN869W

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant Promesa

Authorized By (title) Impact Environmental Stuart Mack

Authorized By (sig) Stuart Mack

TIME: 940 DATE: 10/22

Transporter:

Mendez

2

Driven By ANGEL MORALES

Truck/Trailer Plate 28/AN869W

Driver Signature

TIME: 940 DATE: 10/22

Manifest Number 156013

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 70720 GROSS WEIGHT 96920

NET TONS 3536 TARE WEIGHT 26200

TICKET NUMBER 18470

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mendez 75475

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/13 11:09a

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,012

Ticket Number: 18471 18471

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: [redacted]

GROSS/TARE/NET (lbs)

95860 lb
29380 lb
66480 lb

NET (Tons):

33.240 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out: Tare Time Gross Time
10/22/13 11:11 am 11:12 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AL116A

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Environmental Consultant
Authorized By (print)

Impact Environmental
Authorized By (title) Stuart Mark

Authorized By (sig) X
TIME: 830 DATE: 10/22

Transporter:

Salazar

2

Driven By X Gustavo Ramos

Truck/Trailer Plate 7/AL16A

Driver Signature X
TIME: 830 DATE: 10/22

Manifest Number 156012

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 66480 GROSS WEIGHT 95860
NET TONS 33.24 TARE WEIGHT 29380
TICKET NUMBER 18477

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Wm Tsang

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/13 11:13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,014

Ticket Number: 18472 18472

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

91820 lb
29120 lb
62700 lb

NET (Tons):

31.350 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CHS

Date and Time In/Out:	Tare Time	Gross Time
10/22/13	11:14 am	11:15 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):
Mario A. Zamora

Truck Plate Number:
AR1850

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant Promesa

Authorized By (title) Impact Environmental Project Manager

Authorized By (sig) [signature]

TIME: 440 DATE: 10/22

Transporter:

Mendez

2

Driven By Mendez

Truck/Trailer Plate 420 / AK185V

Driver Signature Mario A. Zamora

TIME: 440 DATE: 10/22

Manifest Number 156014

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62700 GROSS WEIGHT 91820

NET TONS 3135 TARE WEIGHT 29120

TICKET NUMBER 18472

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Ulen Tech.

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/13 11:15a

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Mario Zamora

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~156,015~~

Ticket Number: 18474 ~~18474~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

91540 lb
26300 lb
65240 lb

NET (Tons):

32.620 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/22/13	11:23 am	11:24 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:

AN951K

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant Promesa

Authorized By (title) Impact Environmental Stuart Mack

Authorized By (sig) [signature]

TIME: 900 DATE: 10/22

Transporter:

C.F.

2

Driver By [signature]

Truck/Trailer Plate 6/AN951K

Driver Signature [signature]

TIME: 907 DATE: 10/22

Manifest Number 156015

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 65246 GROSS WEIGHT 91540

NET TONS 32.62 TARE WEIGHT 26300

TICKET NUMBER 18474

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/13 11:23

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,016

Ticket Number: 18481 (18481)

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
2126493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES:
Thanks

GROSS/TARE/NET (lbs)

94560 lb
29300 lb
65260 lb

NET (Tons):

32.630 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out: Tare Time / Gross Time
10/22/13 1:52 pm 1:53 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
AP328G

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant Promesa

Authorized By (title) Impact Environmental Stuart Mark

Authorized By (sig) [signature]

TIME: 1200 DATE: 10/22

Transporter:

Mendez

2

Driver By [signature]

Truck/Trailer Plate 94 / AP3286

Driver Signature [signature]

TIME: 1200 DATE: 10/22

Material/Note(s):

PA REGULATED FILL

Manifest Number 156016

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 65260 GROSS WEIGHT 94560

NET TONS 32.63 TARE WEIGHT 29300

TICKET NUMBER 18481

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) MLM 75925

Date/Time 10/22/13 1:54p

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,017

Ticket Number: 18485

18485

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
2176493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES:
Thanks

GROSS/TARE/NET (lbs)

95880 lb
28660 lb
67220 lb

NET (Tons):

33.610 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out: Tare Time / Gross Time
10/22/13 2:48 pm 2:49 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AN719Y

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Environmental Consultant
Authorized By (print) Promesa

Impact Environmental
Authorized By (title) Stuart Mark

Authorized By (sig) Stuart Mark
TIME: 1202 DATE: 10/22

Transporter:

Munoz

2

Driven By Jaime Velasco

Truck/Trailer Plate 87/AN719Y

Driver Signature
TIME: 1202 DATE: 10/22

Manifest Number 156017

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 67720 GROSS WEIGHT 95880
NET TONS 3361 TARE WEIGHT 28660
TICKET NUMBER 18485

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) MLM 75975

Date/Time 10/22/13 249p

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By ~~(sig)~~

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156.018

Ticket Number: 18486

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

93560 lb
27300 lb
66260 lb

NET (Tons):

33.130 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 10/22/13 Tare Time 2:52 pm Gross Time 2:53 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AK176R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Environmental Consultant
Authorized By (print) Promesa

Impact Environmental
Authorized By (title) Stu Mark

Authorized By (sig) Stuart Mark
TIME: 1210 DATE: 10/22

Transporter:

F & Y

2

Driven By ISRAEL RODRIGUEZ

F&Y MUNOZ 17/AK176/A
Truck/Trailer Plate

Driver Signature Israel Rodriguez
TIME: 1211 DATE: 10/22

Manifest Number 156018

IMPACT ENVIRONMENTAL

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 66266 GROSS WEIGHT 93560
NET TONS 33.13 TARE WEIGHT 27300
TICKET NUMBER 18486

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Yelm 7515

Date/Time 10/22/13 254p

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Israel Rodriguez

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~156,020~~ ~~18489~~

Ticket Number: 18489

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
~~3476493134~~

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

98580 lb
28840 lb
~~69740~~ lb

NET (Tons):

34.870 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 10/22/13 Tare Time 3:06 pm Gross Time 3:07 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Marcelo Siqueira

~~AN550M~~ ate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Environmental Consultant
Authorized By (print) Promesa

Impact Environmental
Authorized By (title) Stuart Mack

Authorized By (sig) [redacted]
TIME: 1240 DATE: 10/22

Transporter:

Mendez

2

Driven By Marcelo Sifuentes

Truck/Trailer Plate 10/AN550M

Driver Signature

TIME: 1240 DATE: 10/22

Manifest Number 156020

IMPACT ENVIRONMENTAL

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 69740 GROSS WEIGHT 98580
NET TONS 34.87 TARE WEIGHT 28840
TICKET NUMBER 18489

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) mlm 75979

Date/Time 10/22/13 3085

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,021

Ticket Number: 18495 ~~18495~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
~~380~~ E. 175th STREET
BRONX, NY 10457
~~3476493134~~

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES:
Thanks

GROSS/TARE/NET (lbs)

94040 lb
28900 lb
65140 lb

NET (Tons):
32.570 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 10/22/13 Tare Time 3:29 pm Gross Time 3:31 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AL337N

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized [redacted]

Authorized By (title) Impact Environmental Staff Mark

Authorized By (sig) Staff Mark

TIME: 1240 DATE: 10/22

Transporter:

Mendez

2

Driven By Jorge Acevedo

Truck/Trailer Plate 83/AL337N

Driver Signature

TIME: 1240 DATE: 10/22

Material/Note(s):

PA REGULATED FILL

Manifest Number 156021

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 65140 GROSS WEIGHT 94040

NET TONS 3257 TARE WEIGHT 28900

TICKET NUMBER 18495

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Glen 75515

Date/Time 10/22/13 331

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,026

Ticket Number: 18502 18502

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

88920 lb
28820 lb
60100 lb

NET (Tons):

30.050 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 10/22/13 Tare Time 3:55 am Gross Time 3:56 am

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):

Truck Plate Number:
ANB5LR

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant Promesa

Authorized By (title) Impact Environmental/ Short Mack

Auth [redacted]

TIME: 1:00 DATE: 10/22

Transporter:

Mendez

2

Driven By William Lozano

Truck/Trailer Plate 21/AW644K

Driver Signature

TIME: 1400 DATE: 10/22

Material/Note(s):

PA REGULATED FILL

Manifest Number 156026

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 60100 GROSS WEIGHT 88920

NET TONS 30.05 TARE WEIGHT 28820

TICKET NUMBER 18502

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Unem Tug

Date/Time 10/22/13 3540

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~156.028~~

Ticket Number: 18505 ~~18505~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
~~2476493134~~

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES:

Thanks

GROSS/TARE/NET (lbs)

95260 lb
29420 lb
65840 lb

NET (Tons):

32.920 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

~~CIS~~

Date and Time In and Out: Tare Time Gross Time

~~10/22/13~~ ~~4:11 pm~~ ~~4:12 pm~~

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:

~~AN843J~~

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafic Fernandez

Authorized By (title) Owner / Rep

Authorized By (sig)

TIME: 1530 DATE: 10/22

Transporter:

Rene Lopez

2

Driven By Rene Lopez

Truck/Trailer Plate 31 / AN643J

Driver Signature

TIME: 150 DATE: 10/22

Material/Note(s):

PA REGULATED FILL

Manifest Number 156028

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 65840 GROSS WEIGHT 95260

NET TONS 32.92 TARE WEIGHT 29420

TICKET NUMBER 18505

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mlm 75979

Date/Time 10/22/13 4:37

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,024

Ticket Number: 18506 18506

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

96280 lb
27500 lb
68780 lb

NET (Tons):

34.390 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 10/22/13 Tare Time 4:16 pm Gross Time 4:17 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):
Luis Tello

Truck Plate Number:
AN556Y

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Cosultant Promesa

Authorized By (title) Impact Environmental Stuart

Authorized By (sig) [signature]

TIME: 130 DATE: 10/22

Transporter:

Mendez

2

Driven By Luis Tello

Truck/Trailer Plate 91/AW556Y

Driver Signature Luis Tello

TIME: 130 DATE: 10/22

Manifest Number 156024

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 68780 GROSS WEIGHT 96280

NET TONS 34.39 TARE WEIGHT 27500

TICKET NUMBER 18506

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Yelm 75979

Date/Time 10/22/13 4pm

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Luis Tello

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~156,023~~

Ticket Number: 18507 ~~18507~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

~~2166~~
~~WEST TREMONT RESIDENCES LLC~~
~~300 E. 175th STREET~~
~~BRONX, NY 10457~~
~~3476493134~~

Source of Material (Description and Address):

~~PROMESA WEST TREMONT RESI~~
~~92 WEST TREMONT AVENI~~
~~BRONX NY~~

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

~~Regulated Fill~~

NOTES:
~~Thanks~~

GROSS/TARE/NET (lbs)

~~99560 lb~~
~~26600 lb~~
~~72960 lb~~

NET (Tons):

~~36.480 tn~~

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
~~CIS~~

Date and Time In and Out: ~~Tare Time~~ ~~Gross Time~~
~~10/22/13~~ ~~4:22 pm~~ ~~4:23 pm~~

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

~~ORACLE~~

Driver Name and Signature (conditional):

Truck Plate Number:
~~AN656Y~~

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant Promesa

Authorized By (title) Impact Environmental Steward

Authorized By (sig) [signature]

TIME: 1300 DATE: 10/22

Transporter:

CF

2

Driven By Marcio Reyes

Truck/Trailer Plate 09 / AN6564

Driver Signature [signature]

TIME: 130 DATE: 10/22

Manifest Number 156023

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 72960 GROSS WEIGHT 99560

NET TONS 36.48 TARE WEIGHT 26600

TICKET NUMBER 18507

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Wilm Tores

Date/Time 10/22/13 423p.

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,027

Ticket Number: 18508 18508

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:
2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):
PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES:
Thanks

GROSS/TARE/NET (lbs)
95040 lb
26200 lb
68840 lb

NET (Tons):
34.420 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

	Tare Time	Gross Time
Date and Time In and Out: 10/22/18	4:25 pm	4:27 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

CRAIG Transporter Name, Address and Permit #:

Driver Name and Signature (conditional):

ANGEL

Truck Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 2:00 DATE: 10/22

Transporter:

Mendez

2

Driven By ANGEL MORALES

Truck/Trailer Plate 28 / AN869W

Driver Signature

TIME: 2:00 DATE: 10/22

Material/Note(s):

PA REGULATED FILL

Manifest Number 156027

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 68840 GROSS WEIGHT 95040

NET TONS 34.42 TARE WEIGHT 26200

TICKET NUMBER 18508

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/22/15 4:27 P

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR09[illegible]SE003

Manifest Number: 156.025

Ticket Number: 18509 18509

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

99940 lb
29120 lb
70820 lb

NET (Tons):

35.410 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 10/22/13 Tare Time 4:30 pm Gross Time 4:31 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
MENDEZ

Driver Name and Signature (conditional):
Mario A-Zamora.

Truck Plate Number:
AK185V

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consult Promesa

Authorized By (title) Stuart

Authorized By (sig) [signature]

TIME: 140 DATE: 10/22

Transporter:

Mendez

2

Driven By ~~[illegible]~~ Mendez Trucking

Truck/Trailer Plate 420/AK1854

Driver Signature Mario A. Zamora

TIME: 140 DATE: 10/22

Material/Note(s):

PA REGULATED FILL

Manifest Number 156025

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 70820 GROSS WEIGHT 99940

NET TONS 354 TARE WEIGHT 29120

TICKET NUMBER 18509

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) YMM 7575

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/22 1431

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Mario A. Zamora.

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,029

Ticket Number: 18510

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

99820 lb
30300 lb
69520 lb

NET (Tons):

34.760 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CHS

Date and Time In and Out: 10/22/13 Tare Time 4:33 pm Gross Time 4:34 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck/Plate Number: AN370M

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) owner/Rep

Authorized By (sig)

TIME: 210 DATE: 10/22

Transporter:

Mendez

2

Driven By Carlos Apolo

Truck/Trailer Plate 286/AN370M

Driver Signature Carlos Apolo

TIME: 210 DATE: 10/22

Material/Note(s):

PA REGULATED FILL

Manifest Number 156029

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 69570 GROSS WEIGHT 99810

NET TONS 34.76 TARE WEIGHT 30240

TICKET NUMBER 18510

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Mlm 7593

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/13 435p

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) Carlos Apolo

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156.031

Ticket Number: 18511 ~~18511~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

95040 lb
29380 lb
65660 lb

NET (Tons):

32.830 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CHS

Date and Time In/Out:	Tare Time	Gross Time
10/22/13	4:37 pm	4:37 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

AL116A Plate Number:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Carlos Fernandez

Authorized By (title) owner / Rep

Authorized By (sig)

TIME: 210 DATE: 10/22

Transporter:

Sulza

2

Driven By Gustavo Ramos

Truck/Trailer Plate 7/AL116A

Driver Signature

TIME: 210 DATE: 10/22

Manifest Number 156031

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 65660 GROSS WEIGHT 95040

NET TONS 3283 TARE WEIGHT 29380

TICKET NUMBER 18511

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) mlm 7548

Date/Time 10/22/13 1537

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,022

Ticket Number: 18514 18514

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

98820 lb
26500 lb
72320 lb

NET (Tons):

36.160 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 10/22/13 Tare Time 4:49 pm Gross Time 4:50 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AP752H

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Environmental consultant
Authorized By (print)

Impact Environmental / Stuart
Authorized By (title)

Authorized By (sig)
TIME: 120 DATE: 10/22

Transporter:

Mender

2

Driven By Elias M.

Truck/Trailer Plate 98/ AP7924

Driver Signature
TIME: 120 DATE: 10/22

Material/Note(s):

PA REGULATED FILL

Manifest Number 156022

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT 73320 GROSS WEIGHT 98820
NET TONS 36.66 TARE WEIGHT 26520
TICKET NUMBER 15574

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) mlm 75929

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/22 450p

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156,030

Ticket Number: 18516 ~~18516~~

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

98960 lb
26300 lb
~~72660~~ lb

NET (Tons):

36.330 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:	Tare Time	Gross Time
~~10/22/13~~	4:57 pm	4:58 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AN961K

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Robert Fernandez

Authorized By (title) Owner Rep

Authorized By (sig) [signature]

TIME: 2:05 DATE: 10/22

Transporter:

CF

2

Driven By [signature]

Truck/Trailer Plate 8/ AN951K

Driver Signature [signature]

TIME: 2:05 DATE: 10/22

Material/Note(s):

PA REGULATED FILL

Manifest Number 156030

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 72660 GROSS WEIGHT 98960

NET TONS 36.33 TARE WEIGHT 26300

TICKET NUMBER 18516

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) mlm 7525

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/13 4:50p

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: ~~156,032~~

Ticket Number: ~~18518~~ 18518

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

~~2166~~
WEST TREMONT RESIDENCES LLC
~~300~~ E. 175th STREET
BRONX, NY 10457
~~3476493134~~

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES:
Thanks

GROSS/TARE/NET (lbs)

92380 lb
30360 lb
62020 lb

NET (Tons):

31.010 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out: 10/22/13 Tare Time 5:04 pm Gross Time 5:05 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AN786K

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 2:30 DATE: 10/22

Transporter:

DI #2.

2

Driven By

Truck/Trailer Plate 02/AM786K

Driver Signature

TIME: 2:30 DATE: 10/22

Material/Note(s):

PA REGULATED FILL

Manifest Number 156032

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 62020 GROSS WEIGHT 92380

NET TONS 31.01 TARE WEIGHT 30360

TICKET NUMBER 18518

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) CMLM TSKR

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

Date/Time 10/22/13 1055

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156.033

Ticket Number: 18520 18520

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:
Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

94560 lb
26900 lb
67660 lb

NET (Tons):

33.830 lb

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out: 10/22/13 Tare Time 5:15 pm Gross Time 5:16 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:
ORACLE

Driver Name and Signature (conditional):

Truck Plate Number:
AP3840

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) [signature]

Authorized By (title) owner/Rep

Authorized By (sig) [signature]

TIME: 240 DATE: 10/22

Transporter:

DI

2

Driven By J. WILSON

Truck/Trailer Plate 06/AP5844

Driver Signature [signature]

TIME: 240 DATE: 10/22

Manifest Number 156033

IMPACT ENVIRONMENTAL

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 67640 GROSS WEIGHT 94540

NET TONS 33.83 TARE WEIGHT 26900

TICKET NUMBER 18520

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) UNUM 76595

Date/Time 10-22-13 5140 10/22/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

Phase III Environmental, LLC

FORMER NJ ZINC FACILITY
1120 MAUCH CHUNK ROAD
PALMERTON, PENNSYLVANIA 18071
Regulated Fill Site Permit WMGR096SE003

Manifest Number: 156.019

Ticket Number: 18526 18526

SCALE TICKET

GENERATOR

Generator Name, Address and Telephone #:

2166
WEST TREMONT RESIDENCES LLC
300 E. 175th STREET
BRONX, NY 10457
3476493134

Source of Material (Description and Address):

PROMESA WEST TREMONT RESI
92 WEST TREMONT AVENI
BRONX NY

MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

Regulated Fill

NOTES: Thanks

GROSS/TARE/NET (lbs)

96160 lb
27200 lb
68960 lb

NET (Tons):

34.480 tn

WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with 25 Pa. Code 295.214.

Where applicable, I hereby certify that the Transporter Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CTS

Date and Time In and Out: 10/22/13 Tare Time 9:51 pm Gross Time 9:53 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

J Milton D

Truck Plate Number:

AK972W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at the former NJ Zinc facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from the former NJ Zinc facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Phase III Environmental, LLC to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at the former NJ Zinc facility and as directed by Phase III Environmental, LLC staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Promesa

Authorized By (title) Impact E Stuart Mark

Authorized By (sig) Stuart Mark

TIME: 1230 DATE: 10/22

Transporter:

F & J
20

2

Driven By MILTON QUINTERO

Truck/Trailer Plate 20 / AK 972W

Driver Signature Jmilton Q

TIME: 1230 DATE: 10/22

Manifest Number 156019

Material/Note(s):

PA REGULATED FILL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT 68940 GROSS WEIGHT 96160

NET TONS 34.48 TARE WEIGHT 27200

TICKET NUMBER 18526

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) MM 7575

Date/Time 10/22/13 9:53

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD
PALMERTON, PA 18071

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) J Milton Q

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15740

welcome to solid ground....

152.153 15740

Facility Registration #: 121888
Permit: CBG070002

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175th St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

oversize

WEIGHTS

GROSS/TARE/NET (lbs)

91160 lb
27400 lb
63760 lb

NET (tons):

31.880 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIC

Date and Time In and Out:

	Tare Time	Gross Time
10/17/13	7:54 am	7:56 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) owner / Rep

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

ORACLE TRUCKING

2

Driven By Aldebert H

JENCAR # 70

Truck/Trailer Plate APS52R

Driver Signature

TIME: 7:20 AM DATE: 10-17-13

Material/Note(s):

NON-HOTSPOT SOILS
W/ CLASS B
OVERSIZED ROCK

Manifest Number 152153

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 91160

NET TONS 31.88 TARE WEIGHT _____

TICKET NUMBER 15740

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 10/17/13

Receiving Facility:

FORMER NJ ZINC - WEST PLANT
1120 MUCH SHUNK RD
PALMERTON PA VIA
IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15741

welcome to solid ground....

2 152.152 15741

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

oversize

WEIGHTS

GROSS/TARE/NET (lbs)

86240 lb
29660 lb
56580 lb

NET (tons):

29.690 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/17/13	7:56 am	7:57 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate:

AP753U

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig) [signature]

TIME:_____ DATE:_____

Transporter:

ORKEL TRUCKING

2

Driven By J. TORO.

Truck/Trailer Plate JSJ #107 Jercar. AP 753 U

Driver Signature [signature]

TIME: 10-17-13 DATE: 7:25 AM

Material/Note(s):

NON-HOTSPOT SOIL
W/ CLASS B E
OVERSIZED ROCK

Manifest Number 152152

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 86240 (80T 14T

NET TONS 29.69 TARE WEIGHT _____

TICKET NUMBER 15741

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Date/Time 10/17/13

Receiving Facility:

FORMER NJ ZINC - WEST PLANT
1420 MINCH CHUNK RD, PALMERTON PA

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15748

welcome to solid ground....

152142 15748

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

oversize

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
92440 lb	32.520 tn
27400 lb	
65040 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/17/13	9:42 am	9:43 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENCAR

Driver Name and Signature (conditional):

Truck Plate:

AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-849-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig) [signature] TIME: _____ DATE: 10-

Transporter:

ORACLE TRUCKING

2

Driven By Aldebien H.

Truck/Trailer Plate JENCAR #70 APS52R

Driver Signature [signature]

TIME: 9:10AM DATE: 10-17-13

Manifest Number 152142

IMPACT ENVIRONMENTAL

Material/Note(s):

NON HOTSPOT SOILS
W/
OVERSIZED ROCK

EST MAX : 14T

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 92440

NET TONS 32.52 TARE WEIGHT _____

TICKET NUMBER 15748

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Date/Time 10/17/13

Receiving Facility:

FORMER NJ ZINC WEST PLANT
1120 MINCH CHUNK RD, PHILLIPSBURG PA

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15749

welcome to solid ground....

152143 15749

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2186
W Tremont Res I LLC
300 E 175th St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

oversize

WEIGHTS

GROSS/TARE/NET (lbs)

88760 lb
26860 lb
61900 lb

NET (tons):

30.950 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/17/13	9:45 am	9:46 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate:

AP753U

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fermaint

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

ORACLE TRUCKING

2

Driven By J. TORO

JSJ JENCAR #107
Truck/Trailer Plate AP753U

Driver Signature

TIME: 9:10 AM DATE: 10-17-13

Material/Note(s):

NON-HOTSPOT SOILS

W/

OVERSIZED ROCK

EST TARE : 14T

Manifest Number 152143

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 88760

NET TONS 30.95 TARE WEIGHT _____

TICKET NUMBER 15749

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD, PALMERTON PA

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/17/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15753

welcome to solid ground....

152144 15753

Facility Registration #: 121888
Permit: CBG070002

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

oversize

WEIGHTS

GROSS/TARE/NET (lbs)

91700 lb
26860 lb
64840 lb

NET (tons):

32.420 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/17/13	11:03 am	11:05 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate:

AP753U

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

Job # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owners Rep

Authorized By (sig)

TIME: _____ DATE: 10-17-13

Transporter:

ORACLE TRUCKING

2

Driven By J. Toro

JRMAR JSC #107

Truck/Trailer Plate AP7531

Driver Signature

TIME: 10:30AM DATE: 10-17-13

Material/Note(s):

NON-HOTSPOT SOIL
W/
OVERSIZED ROCK

Manifest Number 152144

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 91700

NET TONS 32.42 TARE WEIGHT _____

TICKET NUMBER 15753

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC WEST PLANT
1120 MARCH CHUNK RD
PALMERTON PA
VIA
IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/17/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15754

welcome to solid ground....

152.145 15754

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166 W Tremont Res LLC
300 E 175th St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

oversize

WEIGHTS

GROSS/TARE/NET (lbs)

94740 lb
27400 lb
67340 lb

NET (tons):

33.670 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/17/13	11:15 am	11:15 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP553R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

ORACLE TRUCKING

2

Driven By Abdoulaye H.

JENNIR # 70

Truck/Trailer Plate AP 652R

Driver Signature

TIME: 10:37 AM DATE: 10-17-13

Material/Note(s):

NON HOTSPOT SOIL
W/
OVERSIZED ROCK

ESTIMATE 14T

Manifest Number 152145

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 94740

NET TONS 33.67 TARE WEIGHT _____

TICKET NUMBER 15754

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAIN CHUNK RD PALMERTON PA

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/17/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #: .

Ticket #: 15761

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

welcome to solid ground....

152.146 15761

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2168 W Tremont Res LLC
300 E 175TH St
Bronx NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

oversize

WEIGHTS

GROSS/TARE/NET (lbs)

87480 lb
28860 lb
58620 lb

NET (tons):

29.310 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CAS

Date and Time In and Out:

	Tare Time	Gross Time
10/17/13	12:23 pm	12:24 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

ORACLE

Driver Name and Signature (conditional):

Truck Plate:

AP753U

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) owner/Rep

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

ORACLE TRUCKING

2

Driven By J TORO

JENCAR #107

Truck/Trailer Plate AP 753U

Driver Signature

TIME: 11:50AM DATE: 10-17-13

Material/Note(s):

NON HOTSPOT SOIL
W/
OVERSIZED ROCK

EST TARE - 14T

Manifest Number 152146

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 87480

NET TONS 30.31 TARE WEIGHT _____

TICKET NUMBER 15761

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC WEST PLANT
1120 MUCH CHUNK RD PALMERTON PA

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/17/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15763

welcome to solid ground....

152147 15763

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
360 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promissa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

oversize

WEIGHTS

GROSS/TARE/NET (lbs)

98280 lb
27490 lb
70880 lb

NET (tons):

32.940 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/17/16	12:33 pm	1:35 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

ORACLE TRUCKING

2

Driven By Abdelhak H.

JENC18 #70

Truck/Trailer Plate 1PSS2R

Driver Signature

TIME: 12:00PM DATE: 10-17-13

Material/Note(s):

NON HOTSPOT SOIL
W/
OVERSIZED ROCK

EST TARE: 195

Manifest Number 152147

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 83280

NET TONS 32.94 TARE WEIGHT _____

TICKET NUMBER 15763

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 10/17/13

Receiving Facility:

FORMER NJ ZINC MILL PLANT
1120 MAUCH CHUNK RD
PALMERTON PA VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant on behalf of Promesa (owner)

Authorized By (title) Environmental Consulting Impact Environmental

Authorized By (sig)

TIME:_____ DATE: 10-8-13

Transporter:

Oracle Trucking

2

Driven By Jencar Truck # 67 Hernando

Truck/Trailer Plate AP884D

Driver Signature

TIME: 1:20PM DATE: 10-8-13

Material/Note(s):

Non Hotspot

Est. Tare: 14T

Manifest Number 154142

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 95180

NET TONS 34.14 TARE WEIGHT _____

TICKET NUMBER 15414

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/8/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 15414

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 170th St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Mater

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

95180 lb
26900 lb
68280 lb

NET (tons):

34.140 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/13	1:58 pm	1:58 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENCAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Environmental Consultant on behalf
Authorized By (print) of Promesa (owner)

Environmental Consulting
Authorized By (title) Impact Environmental

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Oracle Trucking

2

Driven By William Garcia

Jencar Truck # 71
Truck/Trailer Plate AN509W

Driver Signature

TIME: 1:00pm DATE: 10-8-13

Material/Note(s):

Non-Hotspot

Est Tare: 14T

Manifest Number 154141

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 98220

NET TONS 35.02 TARE WEIGHT _____

TICKET NUMBER 154110

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 10/8/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15410

welcome to solid ground....

2 154141 15410

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Mater

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
68220 lb	
28180 lb	35.020 tn
70040 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/13	1:41 pm	1:41 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENCAR

Driver Name and Signature (conditional):

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Environmental Consultant on
Authorized By (print) Behalf of Promesa (Owner)

Environmental Consultant
Authorized By (title) Impact Environmental

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Oracle Trucking

2

Driven By Aldebra H.

Jencar Truck # 70
Truck/Trailer Plate AP552R

Driver Signature

TIME:_____ DATE: 10-8-13

Manifest Number 154073

Material/Note(s):

Non-Hotspot

Est. Tare: 14T

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT _____ GROSS WEIGHT 99560
NET TONS 36.08 TARE WEIGHT _____
TICKET NUMBER 15406

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/8/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15406

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

welcome to solid ground....

154073 15406

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175th St
Bronx, NY

Source of Material (Description and Address):

Premesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Mixed

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

[redacted] lb
27400 lb
72160 lb

NET (tons):

36.080 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

OIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/19	1:20 pm	1:22 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENCAR

Driver Name and Signature (conditional):

Truck Plate:

AR552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant on behalf of Promesa (owner)

Authorized By (title) Environmental Consulting Impact Environmental

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Oracle Trucking

2

Driven By Andres Areiza

Foncer Truck #68
Truck/Trailer Plate AP812A

Driver Signature

TIME: 2:30pm DATE: 10-8-13

Manifest Number 154074

Material/Note(s):

Non-Hotspot

Est. Tare: 14T

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 94860

NET TONS 34.93 TARE WEIGHT _____

TICKET NUMBER 15401

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Date/Time 10/8/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15401

welcome to solid ground....

2 154 074 10401

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

94830 lb
25000 lb
69830 lb

NET (tons):

34.915 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/13	1:01 pm	1:01 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP812A

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant on Behalf of Promesa (owner)

Authorized By (title) Environmental Consultant Impact Environmental

Authorized By (sig)

TIME:_____ DATE: 10-8-13

Transporter:

Oracle Trucking

2

Driven By

Juncar Truck # 69

Truck/Trailer Plate AP8840

Driver Signature

TIME:_____ DATE:_____

Material/Note(s):

Non-Hotspot

Est. Tare: 141

Manifest Number 154078

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 93500

NET TONS 33.30 TARE WEIGHT _____

TICKET NUMBER 19397

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Date/Time 10/8/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15397

welcome to solid ground....

154-076 15397

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
390 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
93500 lb	
26900 lb	33.300 tn
66600 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIG

Date and Time In and Out:

Tare Time	Gross Time
10/8/13 12:35 pm	12:34 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENIGAR

Driver Name and Signature (conditional):

Truck Plate:

AP864D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Environmental Consultant on behalf
Authorized By (print) of Promesa (owner)

Environmental Consulting
Authorized By (title) Impact Environmental

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Oracle Trucking

2

Driven By William Garcia

Jorcar Truck # 71
Truck/Trailer Plate AN 509 W

Driver Signature

TIME:_____ DATE: 10-8-13

Material/Note(s):

Non-Hotspot

Est. Tare 14T

Manifest Number 154075

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 100560

NET TONS 36.19 TARE WEIGHT _____

TICKET NUMBER 15392

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/8/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15392

welcome to solid ground....

154975 15392

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

GENERATOR

Part 1

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175th St
Bronx NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

MATERIAL CLASSIFICATION AND WEIGHT

Part 2

Classification of Material:

CLASSB Class B Materi

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
180580 lb	36.190 tn
28180 lb	
152380 lb	

NOTES:
Thanks

WEIGHT CETIFICATION

Part 3

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:
CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/13	12:11 pm	12:11 pm

Scale Operator Notes:

TRANSPORTER DATA AND CERTIFICATION

Part 4

Transporter Name, Address and Permit #:
JENSAR

Driver Name and Signature (conditional):

Truck Plate:
ANS004W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental consultant on behalf of Promesa (Owner)

Authorized By (title) Environmental Consultant Impact Environmental

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Oracle Trucking

2

Driven By Aldebier H.

Truck/Trailer Plate Jinco Truck II APS52R #76

Driver Signature

TIME: 11:10am DATE: 10-8-13

Material/Note(s):

Non-Hotspot

Est. Tare: 14T

Manifest Number 154076

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 95980

NET TONS 34.29 TARE WEIGHT _____

TICKET NUMBER 15387

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/8/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15387

2

welcome to solid ground....

154.076 15387

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175th St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Mater

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

95980 lb
27400 lb
68580 lb

NET (tons):

34.290 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/13	11:52 am	11:53 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Environmental Consultant
Authorized By (print) on behalf of Promesa (Owner)

Environmental Consulting
Authorized By (title) Impact Environmental

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Oracle Trucking

2

Driven By Andres Arriza

Jorcar Truck # 68
Truck/Trailer Plate AP812A

Driver Signature

TIME: 11:60am DATE: 10-8-13

Manifest Number 154077

Material/Note(s):

Non-Hotspot

Est. Tare: 14T

TARE WEIGHT MUST BE INCLUDED
NET WEIGHT _____ GROSS WEIGHT 92040
NET TONS 33.52 TARE WEIGHT _____
TICKET NUMBER 19384

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/8/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15384

welcome to solid ground....

154077 15384

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175th St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
92040 lb	33.520 tn
25000 lb	
67040 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/13	11:36 am	11:36 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENCAR

Driver Name and Signature (conditional):

Truck Plate:

AP812A

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant on Behalf of Promesa (owner)

Authorized By (title) Environmental Consultant Impact Environmental

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Oracle trucking

2

Driven By Hernan C.

Truck/Trailer Plate Jencar Truck # 67 AP8840

Driver Signature

TIME 10:30AM DATE: 10-8-13

Manifest Number 154080

Material/Note(s):

Non-Hotspot

Est. Tare: 14T

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 96560

NET TONS 34.83 TARE WEIGHT _____

TICKET NUMBER 15380

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/8/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15380

welcome to solid ground....

154.080 15380

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175th St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

56560 lb
26800 lb
29760 lb

NET (tons):

34.830 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/13	11:04 am	11:05 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENISAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant On Behalf of Promesa (Owner)

Authorized By (title) Environmental Consultant Impact Environmental

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Oracle Trucking

2

Driven By William Garcia

Truck/Trailer Plate Jon Car Truck # 71 AN509W

Driver Signature

TIME:_____ DATE: 10-8-13

Material/Note(s):

Non-Hotspot

Est. Tare: 14T

Manifest Number 154079

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 97280

NET TONS 34.55 TARE WEIGHT _____

TICKET NUMBER 15378

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/8/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 15378

welcome to solid ground....

154.079 15378

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
360 E 176th St
Bronx NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Material

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

97280 lb
26180 lb
69100 lb

NET (tons):

34.550 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/13	10:28 am	10:29 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AN899W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant on behalf of Promesa (owner)

Authorized By (title) Environmental Consulting Impact Environmental

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Oracle Trucking

2

Driven By Aldebier H

Truck/Trailer Plate Jon car Truck # 70 R03373 AP552R

Driver Signature

TIME: 2:40pm DATE: 10-8-13

Material/Note(s):

Non-Hotspot

Est Tare: 14T

Manifest Number 154081

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 91480

NET TONS 32.04 TARE WEIGHT _____

TICKET NUMBER 153774

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/8/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15374

welcome to solid ground....

154.981 15374

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2168
W Tremont Res LLC
380 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

91490 lb
27460 lb
64090 lb

NET (tons):

32.045 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

Tare Time Gross Time
10/28/13 10:13 am 10:13 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENIGAR

Driver Name and Signature (conditional):

Truck Plate:

AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Environmental Consultant
Authorized By (print) On Behalf of Promesa Carrier

Environmental Consulting
Authorized By (title) Impact environmental

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Oracle Trucking

2

Driven By Andres Arezo

Jmcar #68
Truck/Trailer Plate AP 812A

Driver Signature

TIME: 7:20Am DATE: 10/8/13

Manifest Number 154148

Material/Note(s):

Non-Hotspot

Est Tare: 14T

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 95040

NET TONS 35.02 TARE WEIGHT _____

TICKET NUMBER 19372

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 10/8/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15372

welcome to solid ground....

154 148 15372

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175th St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

WEIGHTS

GROSS/TARE/NET (lbs)

95040 lb
25000 lb
70040 lb

NET (tons):

35.020 tn

NOTES:

Thanks

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/13	10:03 am	10:04 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENCAR

Driver Name and Signature (conditional):

Truck Plate:

AP612A

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant on Behalf of Promesa Owner

Authorized By (title) Environmental Consulting Impact Environmental

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

Oracle Trucking

2

Driven By

Truck/Trailer Plate Jencar AP8840 67

Driver Signature

TIME: 8:10am DATE 10-8-13

Material/Note(s):

Non-Hotspot

Est Tare: 14T

Manifest Number 154070

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 95340

NET TONS 34.22 TARE WEIGHT _____

TICKET NUMBER 15364

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/8/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15364

welcome to solid ground....

154.070 15364

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx NY

Source of Material (Description and Address):

Proposed W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

95340 lb
26900 lb
68440 lb

NET (tons):

34.220 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/13	8:52 am	8:52 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Environmental Consultant on Behalf of Promesa (owner)

Authorized By (title) Environmental Consulting Impact Environmental

Authorized By (sig)

TIME:_____ DATE:_____

Transporter:

oracle Trucking

2

Driven By William Garcia.

Truck/Trailer Plate JENCAR #71 AN 509 W

Driver Signature

TIME: 7:50am DATE: 10-8-13

Manifest Number 154071

Material/Note(s):

NON-Hotspot

Est Tare: 14T

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 87160

NET TONS 29.49 TARE WEIGHT _____

TICKET NUMBER 15358

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/8/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 15358

welcome to solid ground....

154,071 15358

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2168
W Trement Res LLC
300 E 175TH St
Bronx NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

97160 lb
28180 lb
68980 lb

NET (tons):

29.490 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

GIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/13	8:35 am	8:35 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AN60BW

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) ENVIRONMENTAL CONSULTANT ON BEHALF OF PROMESA (OWNER)

Authorized By (title) ENVIRONMENTAL CONSULTANTS IMPACT ENVIRONMENTAL

Authorized By (sig) Benjamin Hines

TIME:_____ DATE:_____

Transporter:

ORACLE RECYCLING

2

Driven By Aldeen H.

Truck/Trailer Plate Jacar #70 ~~AB552R~~ AP552R

Driver Signature

TIME:_____ DATE: 10-8-13

Material/Note(s):

NON-HOTSPOT

EST TARE: 14T

Manifest Number 154072

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 54300

NET TONS 2845 TARE WEIGHT _____

TICKET NUMBER 15353

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/8/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2
1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 15353

welcome to solid ground....

154.072 15353

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

84360 lb
27400 lb
56960 lb

NET (tons):

28.450 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

GIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/13	8:21 am	8:23 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JEMCAR

Driver Name and Signature (conditional):

Truck Plate:

AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 15345

welcome to solid ground....

154.147 15345

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

96240 lb
25000 lb
71240 lb

NET (tons):

35.620 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/8/13	7:58 am	7:59 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Andres Arreza

Truck Plate:

AP812A

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) ENVIRONMENTAL CONSULTANT ON BEHALF OF PROMESA

Authorized By (title) ENV. CONSULTANT IMPACT ENVIRONMENTAL

Authorized By (sig) [signature]

TIME:_____ DATE:_____

Transporter:

ORACLE

2

Driven By Andres Arenas

JENCAR
Truck/Trailer Plate # 68 AP812A

Driver Signature [signature]

TIME: 7:20 AM DATE: 10/8/13

Manifest Number 154147

Material/Note(s):

NON HOTSPOT

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 96240

NET TONS 35.62 TARE WEIGHT _____

TICKET NUMBER 19345

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Date/Time 10/8/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14493

welcome to solid ground....

154.120 14493

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

93740 lb
27200 lb
66540 lb

NET (tons):

33.270 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Date and Time In and Out: CIS

	Tare Time	Gross Time
10/3/13	7:58 am	7:58 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP685D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig) [signature]

TIME: 7:16 DATE: 10/2

Transporter:

Jencar

Impact Environmental

2

Driver By: Juan Rodriguez

Truck/Trailer Plate AP885D

Driver Signature Juan Rodriguez

TIME: 7:16 DATE: 10/2

Material/Note(s):

Manifest Number 154120

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 93240

NET TONS 33.27 TARE WEIGHT _____

TICKET NUMBER 14493

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/3/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14496

welcome to solid ground....

2
1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

154,124 14496

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
390 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

92480 lb
26900 lb
65580 lb

NET (tons):

32.790 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

Date and Time In and Out: CIS

	Tare Time	Gross Time
10/3/13	8:16 am	8:17 am

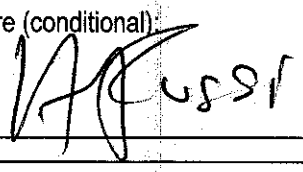
Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):



Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 7:30 DATE: 10/3

Transporter:

Jenlar

T.E.

2

Driven By Hernando

Truck/Trailer Plate 67/AP8824D

Driver Signature

TIME: 7:30 DATE: 10/3

Manifest Number 154124

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 92480

NET TONS 32.99 TARE WEIGHT _____

TICKET NUMBER 14496

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/3/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14504

welcome to solid ground....

154,123 14504

Facility Registration #: 121888
Permit: CBG070002

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

87360 lb
26860 lb
60500 lb

NET (tons):

30.250 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	8:30 am	8:40 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

AJC

Driver Name and Signature (conditional):

Truck Plate

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 7:45 DATE: 10/3

Transporter:

JSJ

Impact Environmental

2

Driven By J. TORO

Truck/Trailer Plate 107/AP7534

Driver Signature

TIME: 7:45 DATE: 10/3

Material/Note(s):

Manifest Number 154123

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 87360

NET TONS 30.25 TARE WEIGHT _____

TICKET NUMBER 14504

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/3/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14505

welcome to solid ground....

154,122 14505

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

91020 lb
28180 lb
62840 lb

NET (tons):

31.420 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	8:44 am	8:44 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AN509W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 8:40 DATE: 10/3

Transporter:

Jencar

2

Driven By William Garcia

Truck/Trailer Plate 71 / AN504W

Driver Signature

TIME: 8:40 DATE: 10/3

Manifest Number 154122

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 91020

NET TONS 31.42 TARE WEIGHT _____

TICKET NUMBER 14505

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/3/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14513

welcome to solid ground....

154,121 14513

Facility Registration #: 121888
Permit: CBG070002

2
1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

98120 lb
27200 lb
70920 lb

NET (tons):

35.460 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	9:40 am	9:40 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP885D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner / Rep

Authorized By (sig)

TIME: 9:00 DATE: 10/3

Transporter:

Jencar 69.
I.E.

2

Driver By Juan C Rodriguez

Truck/Trailer Plate 10/AP8450

Driver Signature Juan C Rodriguez

TIME: 9:00 DATE: 10/3

Material/Note(s):

Manifest Number 154121

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 98120

NET TONS 35.46 TARE WEIGHT _____

TICKET NUMBER 14513

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/3/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14516

welcome to solid ground....

154,095 14516

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
88040 lb	
26900 lb	30.570 tn
61140 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	9:59 am	9:59 am

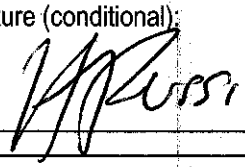
Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENKAR

Driver Name and Signature (conditional):



Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owners Rep

Authorized By (sig)

TIME: 9:10 DATE: 10/3

Transporter:

Jencar

I.E

2

Driver By Hernandez

Truck/Trailer Plate 67/AP8849

Driver Signature

TIME: 9:10 DATE: 10/3

Material/Note(s):

Manifest Number 154095

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 88040

NET TONS 30.57 TARE WEIGHT _____

TICKET NUMBER 14516

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/3/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14519

welcome to solid ground....

154,104 14519

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

85920 lb
26860 lb
59060 lb

NET (tons):

29.530 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CRS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	10:12 am	10:12 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JSJ

Driver Name and Signature (conditional):

Truck Plate:

AP753J

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 9:35 DATE: 10/3

Transporter:

JSJ Jercar

Impact Environmental

2

Driven By J. TORO.

Truck/Trailer Plate 107 / AP753U

Driver Signature

TIME: 9:35 DATE: 10/3

Manifest Number 154104

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 65920

NET TONS 29.53 TARE WEIGHT _____

TICKET NUMBER 14519

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/3/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14522

welcome to solid ground....

154,105 14522

Facility Registration #: 121888
Permit: CBG070002

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

80840 lb
28160 lb
52680 lb

NET (tons):

26.340 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	10:26 am	10:26 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENCAR

Driver Name and Signature (conditional):

Truck Plate:

AN509W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 9:50 DATE: 10/3

Transporter:

Jencar

I.E

2

Driven By William Garcia

Truck/Trailer Plate 71/AN509W

Driver Signature

TIME: 9:50 DATE: 10/3

Material/Note(s):

Manifest Number 154105

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 83840

NET TONS 27.83 TARE WEIGHT _____

TICKET NUMBER 14522

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Date/Time 10/3/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14529

154,100 welcome to solid ground.... 14529

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

92000 lb
27200 lb
64800 lb

NET (tons):

32.400 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	11:16 am	11:17 am

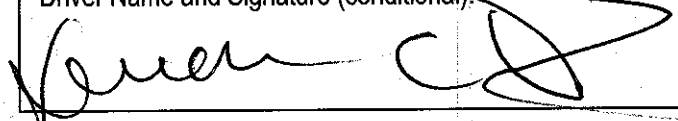
Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):



Truck Plate:

AP885D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner / Rep

Authorized By (sig)

TIME: 10:38 DATE: 10/3/13

Transporter:

Jencar 69,

J. E.

2

Driven By Jeanne Rodriguez

Truck/Trailer Plate 69 / AP 885D

Driver Signature Jeanne R

TIME: 10:38 DATE: 10/3/13.

Material/Note(s):

Manifest Number 154106

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 92000

NET TONS 32.40 TARE WEIGHT _____

TICKET NUMBER 14529

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/3/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14531

2

154.107 *welcome to solid ground....* 14531

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
94400 lb	33.750 tn
26900 lb	
67500 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	11:30 am	11:30 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENIGAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 4:00 DATE: 10/3

Transporter:

Jencor

Impact Environmental

2

Driven By X Hernandez

Truck/Trailer Plate 67/AP8840

Driver Signature X

TIME: 4:00 DATE: 10/3

Manifest Number 154107

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 94400

NET TONS 33.75 TARE WEIGHT _____

TICKET NUMBER 14531

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/3/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14535

154,109 14535

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

88240 lb
26860 lb
61380 lb

NET (tons):

30.690 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	11:44 am	11:44 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JSJ

Driver Name and Signature (conditional):

Truck Plate:

AP753U

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 11:55 DATE: 10/3

Transporter:

JSJ

Jencar

2

Driven By J TORO

Truck/Trailer Plate 107/AP753U

Driver Signature

TIME: 11:55 DATE: 10/3

Material/Note(s):

Manifest Number 154109

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 88240

NET TONS 30.69 TARE WEIGHT _____

TICKET NUMBER 14535

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/3/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14536

welcome to solid ground....

154.108 14536

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
99000 lb	35.410 tn
28180 lb	
70820 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	11:58 am	11:58 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AN609W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 10:15 DATE: 10/3

Transporter:

Jencar

I.F.

2

Driven By William Garcia

71

Truck/Trailer Plate AN509W

Driver Signature

TIME: 11:15 DATE: 10/3

Manifest Number 154108

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 79000

NET TONS 35.41 TARE WEIGHT _____

TICKET NUMBER 14536

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/3/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14546

welcome to solid ground....

2

154,110 14546

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

91680 lb
26900 lb
64768 lb

NET (tons):

32.380 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	12:52 pm	12:52 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: _____ DATE: 10/1

Transporter:

ORACLE

2

Driven By Fernando C

Truck/Trailer Plate JENCAR 67 AP884D

Driver Signature

TIME: 12:25pm DATE: 10-3-13

Material/Note(s):

Manifest Number 154110

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 41260

NET TONS 32.38 TARE WEIGHT _____

TICKET NUMBER 14546

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/3/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14552

welcome to solid ground....

145,114 14552

100 Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

91480 lb
26860 lb
64620 lb

NET (tons):

32.310 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	1:22 pm	1:22 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JSD

Driver Name and Signature (conditional):

Truck Plate:

AP753U

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) owner / Rep

Authorized By (sig)

TIME: 12:40 DATE: 10/3

Transporter:

Jencar
JSJ

2

Driven By J. TORO.

Truck/Trailer Plate 107/AP753U

Driver Signature

TIME: 12:40 DATE: 10/3

Material/Note(s):

Manifest Number 154114

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 91480

NET TONS 32.31 TARE WEIGHT 26860

TICKET NUMBER 14551

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Amanda Tucker

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/3/13 1:19

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14555

welcome to solid ground....

154,111* 14555

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

94060 lb
27200 lb
66860 lb

NET (tons):

33.430 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	1:35 pm	1:35 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENKAR

Driver Name and Signature (conditional):

Truck Plate:

AP885D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 12:35 DATE: 10/3

Transporter:

Jencar

I.E.

2

Driven By

Truck/Trailer Plate 69/AP8857

Driver Signature

TIME: 12:35 DATE: 10/3

Material/Note(s):

Manifest Number 154111

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 94060

NET TONS 33.43 TARE WEIGHT _____

TICKET NUMBER 14555

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/3/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14556

welcome to solid ground....

154,112 14556

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2168
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

95220 lb
28180 lb
67040 lb

NET (tons):

33.520 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	1:37 pm	1:37 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AN509W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:
GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 1:00 DATE: 10/3

Transporter:

Jencar

Impact Environ

2

Driven By William Garcia

Truck/Trailer Plate 71 / AN5074W

Driver Signature

TIME: 1400 DATE: 10/3

Material/Note(s):

Manifest Number 154112

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 95220

NET TONS 33.52 TARE WEIGHT _____

TICKET NUMBER 145556

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [illegible]

Receiving Facility:
FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/3/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14566

welcome to solid ground....

154,113 14566

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
93860 lb	
26900 lb	33.480 tn
66960 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/3/13	2:14 pm	2:15 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 1140 DATE: 10/3

Transporter:

Senior

Impact Environmental

2

Driven By Hernando Russi

Truck/Trailer Plate 67 HP8840

Driver Signature

TIME: 1140 DATE: 10/3

Material/Note(s):

Manifest Number 154113

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 93860

NET TONS 33.48 TARE WEIGHT _____

TICKET NUMBER 145666

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Date/Time 10/3/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14424

154,116 14424 *welcome to solid ground....*

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

97040 lb
27400 lb
69640 lb

NET (tons):

34.820 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	8:48 am	8:48 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENIGAR

Driver Name and Signature (conditional):

Truck Plate:

AP552R

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Impact Environmental

Authorized By (title) Promesa

Authorized By (sig) [signature]

TIME: 8:41 DATE: 10/2

Transporter:

Jencar

I.E.

2

Driven By Aldebin Hernandez

Truck/Trailer Plate 70 / AP552R

Driver Signature [signature]

TIME: _____ DATE: 10/2

Material/Note(s):

Manifest Number 154116

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 97040

NET TONS 34.82 TARE WEIGHT _____

TICKET NUMBER 14424

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Date/Time 10/2/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14425

welcome to solid ground....

154,115 14425

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

102080 lb
25000 lb
77080 lb

NET (tons):

38.540 tn.

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	8:50 am	8:50 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Andres Arcos

Truck Plate:

AP812A

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-648-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Impact Environmental

Authorized By (title) On behalf Promesa

Authorized By (sig) [signature]

TIME: 8:10 DATE: 10/2

Transporter:

Jenkar

I.E.

2

Driven By Andres Areiza

Truck/Trailer Plate 68/AP812A

Driver Signature [signature]

TIME: 8:10 DATE: 10/2

Manifest Number 154115

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 102080

NET TONS 38.54 TARE WEIGHT _____

TICKET NUMBER 14425

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Date/Time 10/2/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14426

154,118 14426

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

94000 lb
26900 lb
67100 lb

NET (tons):

33.550 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	8:53 am	8:54 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Impact Environmental

Authorized By (title) on behalf Promesa

Authorized By (sig) [signature]

TIME: 8:06 DATE: 10/2

Transporter:

Jencan

Impact. E

2

Driven By Hernendo

Truck/Trailer Plate 67/AP884D 2

Driver Signature [signature]

TIME: 8:06 DATE: 10/2

Material/Note(s):

Manifest Number 154118

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 94000

NET TONS 33.55 TARE WEIGHT _____

TICKET NUMBER 14426

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2
1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14427

welcome to solid ground....

154,117 14427

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
94600 lb	33.870 tn
26860 lb	
67740 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	8:59 am	9:00 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JSD

Driver Name and Signature (conditional):

Truck Plate:

AP753U

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Impact Environmental

Authorized By (title) On behalf Promesa

Authorized By (sig) [signature]

TIME: 8:11 DATE: 10/2

Transporter:

JSD

Impact Environmental

2

Driven By Jorge i Toro.

Truck/Trailer Plate 07/AP753U

Driver Signature [signature]

TIME: _____ DATE: 10/2

Manifest Number 154117

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 94600

NET TONS 33.67 TARE WEIGHT _____

TICKET NUMBER 14427

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) [signature]

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14428

154,119 14428

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

94800 lb
26880 lb
67920 lb

NET (tons):

33.960 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	9:01 am	9:02 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

COSTA

Driver Name and Signature (conditional):

Truck Plate:

ANTBONA

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Impact Environmental

Authorized By (title) on behalf Promesa

Authorized By (sig) [signature]

TIME: 8:20 DATE: 10/2

Transporter:

Costa

I.E

2

Driven By William

Truck/Trailer Plate 01/AU780W

Driver Signature [signature]

TIME: 8:20 DATE: 10/2

Material/Note(s):

Manifest Number 154119

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 94800

NET TONS 33.96 TARE WEIGHT _____

TICKET NUMBER 14428

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14438

welcome to solid ground....

154,149 14438

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

95340 lb
20900 lb
74440 lb

NET (tons):

37.220 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	10:51 am	10:51 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

Jencar

Driver Name and Signature (conditional):

Truck Plate:

AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig) [signature]

TIME: 10:17 DATE: 10/2

Transporter:

Jencar

Impact E

2

Driven By Hernando

Truck/Trailer Plate 70/AP8848

Driver Signature [signature]

TIME: 10:17 DATE: 10/2

Material/Note(s):

Manifest Number 154149

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 95940

NET TONS 34.22 TARE WEIGHT 26900

TICKET NUMBER 14438

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) Amanda Tucker

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13 10:52

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig) [signature]

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14440

154,091 14440

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

92640 lb
25000 lb
67640 lb

NET (tons):

33.820 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	11:04 am	11:04 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Andres Arroyo

Truck Plate:

AP812A

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 10:23 DATE: 10/2

Transporter:

Jencar

Impact Environ

2

Driven By Andres Areiza

Truck/Trailer Plate 68/AP812A

Driver Signature

TIME: 10:23 DATE: 10/2

Manifest Number 154091

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 92640

NET TONS 33.82 TARE WEIGHT _____

TICKET NUMBER 14440

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14444

2

154,092 14444

welcome to solid ground....

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

86600 lb
26660 lb
59940 lb

NET (tons):

29.970 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	11:18 am	11:18 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JSD

Driver Name and Signature (conditional):

Truck Plate:

AP753U

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 10:41 DATE: 10/2

Transporter:

J S & J

Impact Environ.

2

Driven By J. Toro

Truck/Trailer Plate 107/AP7530 NJ

Driver Signature

TIME: 10:40 DATE: 10/2

Material/Note(s):

Manifest Number 154092

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 86800

NET TONS 29.97 TARE WEIGHT _____

TICKET NUMBER 144444

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14446

154,093 14446

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

94080 lb
26960 lb
67120 lb

NET (tons):

33.560 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	11:26 am	11:27 am

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

COSTA

Driver Name and Signature (conditional):

Truck Plate:

AN780W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner / Rep

Authorized By (sig)

TIME: 10:50 DATE: 10/2

Transporter:

Costa

Impact Environmental

2

Driven By William

Truck/Trailer Plate 01/AN780W

Driver Signature

TIME: 10:50 DATE: 10/2

Manifest Number 154093

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 94000

NET TONS 33.56 TARE WEIGHT _____

TICKET NUMBER 14446

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14452

welcome to solid ground....

154,094 14452

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

90360 lb
26900 lb
63460 lb

NET (tons):

31.730 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	12:25 pm	12:25 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional)

Truck Plate:

AP8841D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 10:50 DATE: 10/2

Transporter:

Jencor

Impact E

2

Driven By J Hernandez

Truck/Trailer Plate C7/AP 884D

Driver Signature

TIME: 10:50 DATE: 10/2

Manifest Number 154094

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 90360

NET TONS 31.23 TARE WEIGHT _____

TICKET NUMBER 14452

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14454

154,096 14454

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

97280 lb
25000 lb
72280 lb

NET (tons):

36.140 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	12:33 pm	12:33 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Andres Arenas

Truck Plate:

AP812A

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 11:55 DATE: 10/1/2013

Transporter:

Jancar

Impact Environmental

2

Driven By

Truck/Trailer Plate 68/AP8124

Driver Signature

TIME: 11:55 DATE: 10/2

Manifest Number 154096

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 97280

NET TONS 36.14 TARE WEIGHT _____

TICKET NUMBER 14454

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14456

welcome to solid ground....

154,097 14456

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
380 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

89260 lb
26860 lb
62400 lb

NET (tons):

31.200 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	12:42 pm	12:43 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JSD

Driver Name and Signature (conditional):

Truck Plate:

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (~~print~~) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (~~sig~~)

TIME: 12:10 DATE: 10/2

Transporter:

JSJ

Impact Environmental

2

Driven By J. TORO.

Truck/Trailer Plate 107/AH753U

Driver Signature

TIME: 12:10 DATE: 10/2

Material/Note(s):

Manifest Number 154097

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 89260

NET TONS 31.20 TARE WEIGHT _____

TICKET NUMBER 14456

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14459

welcome to solid ground....

154,098 14459

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:
Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

94120 lb
26880 lb
67240 lb

NET (tons):

33.620 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	12:56 pm	12:56 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

COSTA

Driver Name and Signature (conditional):

Truck Plate:

AN700W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 12:15 DATE: 10/2

Transporter:

Costa

I.E.

2

Driver By William

Truck/Trailer Plate 01 AN 7806

Driver Signature

TIME: 12:15 DATE: 10/2

Manifest Number 154098

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 64120

NET TONS 32.06 TARE WEIGHT _____

TICKET NUMBER 144159

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14466

154.099 14466

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

95660 lb
27200 lb
68460 lb

NET (tons):

34.230 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	1:34 pm	1:34 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Truck Plate:

AP885D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:	Ticket #: 14470

154101 14470 *welcome to solid ground....*

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:	Source of Material (Description and Address):
2166 W Tremont Res LLC 300 E 175TH St Bronx, NY	Promesa W Tremont Res 92 W Tremont Ave Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material: CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
92690 lb 26980 lb 65900 lb	32.950 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator: CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	1:56 pm	1:56 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #: JENICAR

Driver Name and Signature (conditional): H Russ

Truck Plate: AP884D

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig) [signature]

TIME: 12:50 DATE: 10/2/2013

Transporter:

Jencar

I.F.E

2

Driven By Adelina Hernandez

Truck/Trailer Plate 64/AD8850

Driver Signature [signature]

TIME: 12:50 DATE: 10/2

Manifest Number 154099

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 95660

NET TONS 34.23 TARE WEIGHT _____

TICKET NUMBER 14466

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 1:15 DATE: 10/2/2013

Transporter:

Jencar

Impact Environmental

2

Driven By Hernando

Truck/Trailer Plate GJ AP 8840

Driver Signature

TIME: 1:45 DATE: 10/2

Manifest Number 154101

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 92800

NET TONS 32.95 TARE WEIGHT _____

TICKET NUMBER 14470

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print) DO

Date/Time 10/2/13

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

Manifest #:

Ticket #: 14474

welcome to solid ground....

154.100 14474

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166 W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)

93880 lb
25000 lb
68880 lb

NET (tons):

34.440 tn

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	2:09 pm	2:09 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JENICAR

Driver Name and Signature (conditional):

Andres Arenza

Truck Plate:

AP812A

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 1:30 DATE: 10/2

Transporter:

Jenlar

I.E.

2

Driver By Andres Arezzo

Truck/Trailer Plate 68/ AP 812A

Driver Signature

TIME: 1:30 DATE: 10/2

Manifest Number 154100

Material/Note(s):

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 93880

NET TONS 34.44 TARE WEIGHT _____

TICKET NUMBER 114774

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14476

154,102 14476 *welcome to solid ground....*

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
300 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES: Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
96540 lb	
26660 lb	31.840 tn
63880 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	2:16 pm	2:16 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

JSD

Driver Name and Signature (conditional):

Truck Plate:

AP7531

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Rafael Fernandez

Authorized By (title) Owner Rep

Authorized By (sig)

TIME: 1140 DATE: 10/2

Transporter:

JSJ

Impact Environ

2

Driven By J. TORO

Truck/Trailer Plate 107/AP7534

Driver Signature

TIME: 1190 DATE: 10/2

Material/Note(s):

Manifest Number 154102

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 90540

NET TONS 31.84 TARE WEIGHT _____

TICKET NUMBER 14476

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

IMPACT ENVIRONMENTAL
Class B Recycling Facility

2

1000 Page Avenue
Lyndhurst, New Jersey 07071
631-269-8800

Manifest #:

Ticket #: 14478

154.103 14478

welcome to solid ground....

Facility Registration #: 121888
Permit: CBG070002

SCALE TICKET

Part 1 GENERATOR

Generator Name, Address and Telephone #:

2166
W Tremont Res LLC
360 E 175TH St
Bronx, NY

Source of Material (Description and Address):

Promesa W Tremont Res
92 W Tremont Ave
Bronx NY

Part 2 MATERIAL CLASSIFICATION AND WEIGHT

Classification of Material:

CLASSB Class B Materi

NOTES:

Thanks

WEIGHTS

GROSS/TARE/NET (lbs)	NET (tons):
93800 lb	
26880 lb	33.460 tn
66920 lb	

Part 3 WEIGHT CETIFICATION

Certification: By issuing this ticket, I hereby certify that the above named material has been accepted by this facility, and that the weights stated above are accurate. The weights were calculated in accordance with New Jersey's Weights and Measures Program.

Where applicable, I hereby certify that the Transportation Security Seal referenced in the **Scale Operator Notes** section of this ticket was intact upon entrance to this facility, and that I removed the seal upon the removal of the bed cover on the truck.

Name of Scale Operator:

CIS

Date and Time In and Out:

	Tare Time	Gross Time
10/2/13	2:26 pm	2:26 pm

Scale Operator Notes:

Part 4 TRANSPORTER DATA AND CERTIFICATION

Transporter Name, Address and Permit #:

COSTA

Driver Name and Signature (conditional):

Truck Plate:

AN780W

By signing this ticket the transport vehicle driver accepts sole responsibility and therefore assumes all liabilities for the gross weight of this divisible load of material scaled and accepted at Impact Environmental Class B Recycling Facility. The driver acknowledges that he or she is solely responsible for compliance with all traffic safety rules and regulations for the operation and maintenance of the vehicle when transporting to, driving in and leaving from Impact Environmental Class B Recycling Facility. Further, the driver represents that he or she will immediately report any incidents of overloading or vehicle equipment failure/hazards associated with the vehicle to the owner of the vehicle, and in doing so will relieve Impact Environmental, its owners, employees and/or all of its affiliated companies to serve any form of notice to the truck owner. Furthermore, driver accepts that he or she will abide by all posted safety procedures at Impact Environmental Class B Recycling Facility and as directed by company staff.

ORIGINAL

Transportation Charter / Manifest

Generator:

GENERATOR: WEST TREMONT RESIDENCES, LLC
300 EAST 175TH ST.
BRONX, NY 10457
347-649-3134

SITE: PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY

JOB # 2166

1

Authorized By (print) Gabriel Fernandez

Authorized By (title) Owner/Rep

Authorized By (sig)

TIME: 1:50 DATE: 10/2

Transporter:

Costa

Impact Environmental

2

Driven By William

Truck/Trailer Plate 01/AW780W

Driver Signature

TIME: 1:50 DATE: 10/2

Material/Note(s):

Manifest Number 154103

IMPACT ENVIRONMENTAL

TARE WEIGHT MUST BE INCLUDED

NET WEIGHT _____ GROSS WEIGHT 93800

NET TONS 33.46 TARE WEIGHT _____

TICKET NUMBER 144778

Project under the management of Impact Environmental. In case of emergency call 631-269-8800 or 516-805-8900

Received By (print)

Receiving Facility:

FORMER NJ ZINC-WEST PLANT
1120 MAUCH CHUNK RD.
PALMERTON, PA 18071

VIA

IMPACT REUSE & RECOVERY CENTER
1000 PAGE AVE.
LYNDHURST, NJ

3

Date/Time 10/2/13

By signing this manifest the Hauler accepts that it is solely responsible for the amount of material that is being transported as well as the methods and means for its travel.

Driven By (sig)

APPENDIX I

ONSITE SOIL REUSE LAB DATA

ANALYTICAL REPORT

Lab Number:	L1320981
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	92 WEST TREMONT
Project Number:	2166-06
Report Date:	10/23/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1320981-01	TREMONT-1 COMP	92 WEST TREMONT BRONX, NY	10/17/13 13:00
L1320981-02	TREMONT-1 GRAB	92 WEST TREMONT BRONX, NY	10/17/13 13:00

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	92 WEST TREMONT	**Lab Number:**	L1320981
Project Number:	2166-06	**Report Date:**	10/23/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Semivolatile Organics

The WG645248-2/-3 LCS/LCSD recoveries, associated with L1320981-01, are above the acceptance criteria for 1,2,4-trichlorobenzene (LCS at 115%), 1,4-dichlorobenzene (LCS at 107%), 2,4-dinitrotoluene (121%/123%), 2,4,6-trichlorophenol (131%/134%), p-chloro-m-cresol (118%/121%), 2-chlorophenol (LCS at 116%), 4-nitrophenol (145%/144%), 2,4-dinitrophenol (143%/149%), 4,6-dinitro-o-cresol (140%/142%), pentachlorophenol (144%/143%), phenol (110%/100%), and parathion (LCS at 141%); however, the associated samples are non-detect for these target compounds. The results of the original analysis are reported.

Total Metals

L1320981-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 10/23/13

ORGANICS

VOLATILES

Project Name: 92 WEST TREMONT **Lab Number:** L1320981

Project Number: 2166-06 **Report Date:** 10/23/13

SAMPLE RESULTS

Lab ID: L1320981-02
Client ID: TREMONT-1 GRAB
Sample Location: 92 WEST TREMONT BRONX, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/22/13 12:38
Analyst: PP
Percent Solids: 93%

Date Collected: 10/17/13 13:00
Date Received: 10/18/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.33	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
Bromoform	ND		ug/kg	4.3	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.18	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.4	0.85	1
Bromomethane	ND		ug/kg	2.2	0.36	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.26	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.11	1

Project Name: 92 WEST TREMONT **Lab Number:** L1320981

Project Number: 2166-06 **Report Date:** 10/23/13

SAMPLE RESULTS

Lab ID: L1320981-02 Date Collected: 10/17/13 13:00

Client ID: TREMONT-1 GRAB Date Received: 10/18/13

Sample Location: 92 WEST TREMONT BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.2	0.35	1
o-Xylene	ND		ug/kg	2.2	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.33	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	ND		ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.38	1
Vinyl acetate	ND		ug/kg	11	0.52	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.24	1
Bromochloromethane	ND		ug/kg	5.4	0.21	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
n-Butylbenzene	ND		ug/kg	1.1	0.21	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.4	0.61	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.85	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.21	1
Naphthalene	ND		ug/kg	5.4	0.83	1
Acrylonitrile	ND		ug/kg	11	0.26	1
Tert-Butyl Alcohol	ND		ug/kg	65	0.98	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.62	1
Methyl Acetate	ND		ug/kg	22	0.82	1
Acrolein	ND		ug/kg	27	9.9	1
1,4-Dioxane	ND		ug/kg	110	19.	1
Freon-113	ND		ug/kg	22	0.30	1

Project Name: 92 WEST TREMONT **Lab Number:** L1320981

Project Number: 2166-06 **Report Date:** 10/23/13

SAMPLE RESULTS

Lab ID: L1320981-02 Date Collected: 10/17/13 13:00

Client ID: TREMONT-1 GRAB Date Received: 10/18/13

Sample Location: 92 WEST TREMONT BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	109		70-130

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1320981
Report Date: 10/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/22/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG645975-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.31
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/22/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG645975-3					
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
Vinyl acetate	ND		ug/kg	10	0.48
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.22
Bromochloromethane	ND		ug/kg	5.0	0.20
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,3-Dichloropropane	ND		ug/kg	5.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
o-Chlorotoluene	ND		ug/kg	5.0	0.16
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Isopropylbenzene	ND		ug/kg	1.0	0.17
p-Isopropyltoluene	ND		ug/kg	1.0	0.19
Naphthalene	ND		ug/kg	5.0	0.77
Acrylonitrile	ND		ug/kg	10	0.24
Tert-Butyl Alcohol	ND		ug/kg	60	0.91
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
Methyl Acetate	ND		ug/kg	20	0.76
Acrolein	ND		ug/kg	25	9.2

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/22/13 10:18
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG645975-3					
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1320981

Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG645975-1 WG645975-2								
Methylene chloride	86		85		70-130	1		30
1,1-Dichloroethane	88		85		70-130	3		30
Chloroform	96		94		70-130	2		30
Carbon tetrachloride	100		100		70-130	0		30
1,2-Dichloropropane	84		82		70-130	2		30
Dibromochloromethane	90		90		70-130	0		30
1,1,2-Trichloroethane	85		84		70-130	1		30
Tetrachloroethene	90		89		70-130	1		30
Chlorobenzene	85		85		70-130	0		30
Trichlorofluoromethane	104		103		70-139	1		30
1,2-Dichloroethane	100		97		70-130	3		30
1,1,1-Trichloroethane	102		101		70-130	1		30
Bromodichloromethane	94		95		70-130	1		30
trans-1,3-Dichloropropene	91		89		70-130	2		30
cis-1,3-Dichloropropene	92		89		70-130	3		30
1,1-Dichloropropene	94		92		70-130	2		30
Bromoform	89		90		70-130	1		30
1,1,2,2-Tetrachloroethane	79		76		70-130	4		30
Benzene	87		82		70-130	6		30
Toluene	82		81		70-130	1		30
Ethylbenzene	90		88		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1320981

Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG645975-1 WG645975-2								
Chloromethane	76		71		52-130	7		30
Bromomethane	102		102		57-147	0		30
Vinyl chloride	91		87		67-130	4		30
Chloroethane	104		100		50-151	4		30
1,1-Dichloroethene	88		84		65-135	5		30
trans-1,2-Dichloroethene	88		86		70-130	2		30
Trichloroethene	92		90		70-130	2		30
1,2-Dichlorobenzene	85		83		70-130	2		30
1,3-Dichlorobenzene	86		84		70-130	2		30
1,4-Dichlorobenzene	86		83		70-130	4		30
Methyl tert butyl ether	99		95		66-130	4		30
p/m-Xylene	88		87		70-130	1		30
o-Xylene	90		88		70-130	2		30
cis-1,2-Dichloroethene	90		87		70-130	3		30
Dibromomethane	90		89		70-130	1		30
Styrene	90		90		70-130	0		30
Dichlorodifluoromethane	91		88		30-146	3		30
Acetone	83		65		54-140	24		30
Carbon disulfide	80		78		59-130	3		30
2-Butanone	82		70		70-130	16		30
Vinyl acetate	81		78		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1320981

Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG645975-1 WG645975-2								
4-Methyl-2-pentanone	89		81		70-130	9		30
1,2,3-Trichloropropane	89		86		68-130	3		30
2-Hexanone	78		73		70-130	7		30
Bromochloromethane	94		90		70-130	4		30
2,2-Dichloropropane	104		102		70-130	2		30
1,2-Dibromoethane	88		86		70-130	2		30
1,3-Dichloropropane	86		85		69-130	1		30
1,1,1,2-Tetrachloroethane	90		91		70-130	1		30
Bromobenzene	85		84		70-130	1		30
n-Butylbenzene	90		86		70-130	5		30
sec-Butylbenzene	89		87		70-130	2		30
tert-Butylbenzene	90		88		70-130	2		30
o-Chlorotoluene	89		87		70-130	2		30
p-Chlorotoluene	89		87		70-130	2		30
1,2-Dibromo-3-chloropropane	85		85		68-130	0		30
Hexachlorobutadiene	96		94		67-130	2		30
Isopropylbenzene	89		88		70-130	1		30
p-Isopropyltoluene	91		89		70-130	2		30
Naphthalene	86		82		70-130	5		30
Acrylonitrile	84		76		70-130	10		30
Isopropyl Ether	80		78		66-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1320981

Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG645975-1 WG645975-2								
Tert-Butyl Alcohol	95		84		70-130	12		30
n-Propylbenzene	88		87		70-130	1		30
1,2,3-Trichlorobenzene	89		86		70-130	3		30
1,2,4-Trichlorobenzene	89		86		70-130	3		30
1,3,5-Trimethylbenzene	90		89		70-130	1		30
1,2,4-Trimethylbenzene	92		90		70-130	2		30
Methyl Acetate	82		75		51-146	9		30
Ethyl Acetate	85		76		70-130	11		30
Acrolein	73		**67**	Q	70-130	9		30
Cyclohexane	82		77		59-142	6		30
1,4-Dioxane	95		80		65-136	17		30
Freon-113	85		84		50-139	1		30
1,4-Diethylbenzene	90		89		70-130	1		30
4-Ethyltoluene	90		88		70-130	2		30
1,2,4,5-Tetramethylbenzene	93		92		70-130	1		30
Tetrahydrofuran	85		77		66-130	10		30
Ethyl ether	86		83		67-130	4		30
trans-1,4-Dichloro-2-butene	88		85		70-130	3		30
Methyl cyclohexane	84		82		70-130	2		30
Ethyl-Tert-Butyl-Ether	92		91		70-130	1		30
Tertiary-Amyl Methyl Ether	95		93		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG645975-1 WG645975-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	119		120		70-130
Toluene-d8	101		103		70-130
4-Bromofluorobenzene	107		108		70-130
Dibromofluoromethane	108		110		70-130

SEMIVOLATILES

Project Name: 92 WEST TREMONT **Lab Number:** L1320981

Project Number: 2166-06 **Report Date:** 10/23/13

SAMPLE RESULTS

Lab ID:	L1320981-01	Date Collected:	10/17/13 13:00
Client ID:	TREMONT-1 COMP	Date Received:	10/18/13
Sample Location:	92 WEST TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/19/13 00:51
Analytical Date:	10/20/13 18:48		
Analyst:	RC		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
Benzidine	ND		ug/kg	590	140	1
n-Nitrosodimethylamine	ND		ug/kg	360	58.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	59.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	140		ug/kg	110	33.	1
Azobenzene	ND		ug/kg	180	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	140	33.	1
Isophorone	ND		ug/kg	160	48.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NDPA/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1
Benzo(a)anthracene	89	J	ug/kg	110	35.	1
Benzo(a)pyrene	150		ug/kg	140	44.	1
Benzo(b)fluoranthene	180		ug/kg	110	36.	1
Benzo(k)fluoranthene	70	J	ug/kg	110	34.	1
Chrysene	100	J	ug/kg	110	35.	1

Project Name: 92 WEST TREMONT **Lab Number:** L1320981

Project Number: 2166-06 **Report Date:** 10/23/13

SAMPLE RESULTS

Lab ID: L1320981-01 Date Collected: 10/17/13 13:00

Client ID: TREMONT-1 COMP Date Received: 10/18/13

Sample Location: 92 WEST TREMONT BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthylene	51	J	ug/kg	140	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	85	J	ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	51	J	ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	100	J	ug/kg	140	40.	1
Pyrene	140		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	59.	1
Aniline	ND		ug/kg	220	37.	1
4-Chloroaniline	ND		ug/kg	180	47.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	ND		ug/kg	180	60.	1
2-Methylnaphthalene	ND		ug/kg	220	57.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	860	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	39.	1
Benzaldehyde	ND		ug/kg	240	73.	1
Caprolactam	ND		ug/kg	180	50.	1
Atrazine	ND		ug/kg	140	41.	1
Parathion	ND		ug/kg	180	71.	1

Project Name: 92 WEST TREMONT **Lab Number:** L1320981

Project Number: 2166-06 **Report Date:** 10/23/13

SAMPLE RESULTS

Lab ID: L1320981-01 Date Collected: 10/17/13 13:00

Client ID: TREMONT-1 COMP Date Received: 10/18/13

Sample Location: 92 WEST TREMONT BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	107		25-120
Phenol-d6	101		10-120
Nitrobenzene-d5	111		23-120
2-Fluorobiphenyl	107		30-120
2,4,6-Tribromophenol	130		0-136
4-Terphenyl-d14	87		18-120

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/20/13 16:57
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/19/13 00:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG645248-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	550	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	100	30.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Nitrobenzene	ND		ug/kg	150	39.
NDPA/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	100	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	32.

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/20/13 16:57
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/19/13 00:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG645248-1					
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/20/13 16:57
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/19/13 00:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG645248-1					
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
Parathion	ND		ug/kg	160	66.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	115		0-136
4-Terphenyl-d14	103		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG645248-2 WG645248-3								
Acenaphthene	110		107		31-137	3		50
Benzidine	86		82			5		50
n-Nitrosodimethylamine	92		80			14		50
1,2,4-Trichlorobenzene	**115**	Q	102		38-107	12		50
Hexachlorobenzene	123		121		40-140	2		50
Bis(2-chloroethyl)ether	99		85		40-140	15		50
2-Chloronaphthalene	112		106		40-140	6		50
1,2-Dichlorobenzene	108		92		40-140	16		50
1,3-Dichlorobenzene	107		91		40-140	16		50
1,4-Dichlorobenzene	**107**	Q	93		28-104	14		50
3,3'-Dichlorobenzidine	98		98		40-140	0		50
2,4-Dinitrotoluene	**121**	Q	**123**	Q	28-89	2		50
2,6-Dinitrotoluene	132		132		40-140	0		50
Fluoranthene	114		115		40-140	1		50
4-Chlorophenyl phenyl ether	113		112		40-140	1		50
4-Bromophenyl phenyl ether	124		123		40-140	1		50
Azobenzene	104		102		40-140	2		50
Bis(2-chloroisopropyl)ether	90		78		40-140	14		50
Bis(2-chloroethoxy)methane	100		90		40-117	11		50
Hexachlorobutadiene	116		101		40-140	14		50
Hexachlorocyclopentadiene	79		72		40-140	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1320981

Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG645248-2 WG645248-3								
Hexachloroethane	105		88		40-140	18		50
Isophorone	101		92		40-140	9		50
Naphthalene	113		102		40-140	10		50
Nitrobenzene	117		105		40-140	11		50
NDPA/DPA	115		116			1		50
n-Nitrosodi-n-propylamine	102		91		32-121	11		50
Bis(2-ethylhexyl)phthalate	125		125		40-140	0		50
Butyl benzyl phthalate	127		127		40-140	0		50
Di-n-butylphthalate	122		122		40-140	0		50
Di-n-octylphthalate	126		124		40-140	2		50
Diethyl phthalate	114		113		40-140	1		50
Dimethyl phthalate	115		113		40-140	2		50
Benzo(a)anthracene	116		115		40-140	1		50
Benzo(a)pyrene	118		116		40-140	2		50
Benzo(b)fluoranthene	106		106		40-140	0		50
Benzo(k)fluoranthene	116		112		40-140	4		50
Chrysene	118		114		40-140	3		50
Acenaphthylene	114		110		40-140	4		50
Anthracene	118		118		40-140	0		50
Benzo(ghi)perylene	123		119		40-140	3		50
Fluorene	113		113		40-140	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1320981

Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG645248-2 WG645248-3								
Phenanthrene	113		113		40-140	0		50
Dibenzo(a,h)anthracene	134		133		40-140	1		50
Indeno(1,2,3-cd)pyrene	129		127		40-140	2		50
Pyrene	111		112		35-142	1		50
Biphenyl	104		98			6		50
Aniline	88		78		40-140	12		50
4-Chloroaniline	78		80		40-140	3		50
2-Nitroaniline	121		119		47-134	2		50
3-Nitroaniline	69		71		26-129	3		50
4-Nitroaniline	111		111		41-125	0		50
Dibenzofuran	115		113		40-140	2		50
2-Methylnaphthalene	108		102		40-140	6		50
1,2,4,5-Tetrachlorobenzene	114		106		40-117	7		50
Acetophenone	104		92		14-144	12		50
2,4,6-Trichlorophenol	**134**	Q	**131**	Q	30-130	2		50
p-Chloro-m-cresol	**121**	Q	**118**	Q	26-103	3		50
2-Chlorophenol	**116**	Q	102		25-102	13		50
2,4-Dichlorophenol	126		119		30-130	6		50
2,4-Dimethylphenol	120		111		30-130	8		50
2-Nitrophenol	128		114		30-130	12		50
4-Nitrophenol	**144**	Q	**145**	Q	11-114	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1320981

Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG645248-2 WG645248-3								
2,4-Dinitrophenol	**143**	Q	**149**	Q	4-130	4		50
4,6-Dinitro-o-cresol	**140**	Q	**142**	Q	10-130	1		50
Pentachlorophenol	**144**	Q	**143**	Q	17-109	1		50
Phenol	**110**	Q	**100**	Q	26-90	10		50
2-Methylphenol	113		103		30-130.	9		50
3-Methylphenol/4-Methylphenol	120		110		30-130	9		50
2,4,5-Trichlorophenol	130		129		30-130	1		50
Benzoic Acid	138		128			8		50
Benzyl Alcohol	107		96		40-140	11		50
Carbazole	112		115		54-128	3		50
Benzaldehyde	94		86			9		50
Caprolactam	114		107			6		50
Atrazine	121		122			1		50
2,3,4,6-Tetrachlorophenol	138		139			1		50
Pyridine	74		67		10-93	10		50
Parathion	**141**	Q	138		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG645248-2 WG645248-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	113		97		25-120
Phenol-d6	105		95		10-120
Nitrobenzene-d5	115		100		23-120
2-Fluorobiphenyl	115		107		30-120
2,4,6-Tribromophenol	130		131		0-136
4-Terphenyl-d14	104		105		18-120

PCBS

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1320981
Report Date: 10/23/13

SAMPLE RESULTS

Lab ID:	L1320981-01	Date Collected:	10/17/13 13:00
Client ID:	TREMONT-1 COMP	Date Received:	10/18/13
Sample Location:	92 WEST TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/19/13 04:10
Analytical Date:	10/19/13 22:34	Cleanup Method1:	EPA 3665A
Analyst:	TQ	Cleanup Date1:	10/19/13
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	10/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.7	6.86	1	A
Aroclor 1221	ND		ug/kg	34.7	10.5	1	A
Aroclor 1232	ND		ug/kg	34.7	7.38	1	A
Aroclor 1242	ND		ug/kg	34.7	6.59	1	A
Aroclor 1248	ND		ug/kg	34.7	4.20	1	A
Aroclor 1254	ND		ug/kg	34.7	5.48	1	A
Aroclor 1260	ND		ug/kg	34.7	6.03	1	A
Aroclor 1262	ND		ug/kg	34.7	2.57	1	A
Aroclor 1268	ND		ug/kg	34.7	5.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1320981

Report Date: 10/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/19/13 23:00
Analyst: TQ

Extraction Method: EPA 3546
Extraction Date: 10/19/13 04:10
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/19/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 10/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG645273-1						
Aroclor 1016	ND		ug/kg	33.1	6.54	A
Aroclor 1221	ND		ug/kg	33.1	9.99	A
Aroclor 1232	ND		ug/kg	33.1	7.04	A
Aroclor 1242	ND		ug/kg	33.1	6.29	A
Aroclor 1248	ND		ug/kg	33.1	4.01	A
Aroclor 1254	ND		ug/kg	33.1	5.22	A
Aroclor 1260	ND		ug/kg	33.1	5.75	A
Aroclor 1262	ND		ug/kg	33.1	2.45	A
Aroclor 1268	ND		ug/kg	33.1	4.81	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG645273-2 WG645273-3									
Aroclor 1016	87		76		40-140	13		50	A
Aroclor 1260	97		89		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		78		30-150	A
Decachlorobiphenyl	99		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		76		30-150	B
Decachlorobiphenyl	87		76		30-150	B

PESTICIDES

Project Name: 92 WEST TREMONT **Lab Number:** L1320981

Project Number: 2166-06 **Report Date:** 10/23/13

SAMPLE RESULTS

Lab ID:	L1320981-01	Date Collected:	10/17/13 13:00
Client ID:	TREMONT-1 COMP	Date Received:	10/18/13
Sample Location:	92 WEST TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/19/13 03:16
Analytical Date:	10/21/13 01:42	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	10/19/13
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.326	1	A
Lindane	ND		ug/kg	0.694	0.310	1	A
Alpha-BHC	ND		ug/kg	0.694	0.197	1	A
Beta-BHC	ND		ug/kg	1.67	0.632	1	A
Heptachlor	ND		ug/kg	0.833	0.373	1	A
Aldrin	ND		ug/kg	1.67	0.586	1	A
Heptachlor epoxide	ND		ug/kg	3.12	0.937	1	A
Endrin	ND		ug/kg	0.694	0.285	1	A
Dieldrin	ND		ug/kg	1.04	0.521	1	A
4,4'-DDE	6.00		ug/kg	1.67	0.385	1	B
4,4'-DDD	3.13		ug/kg	1.67	0.594	1	B
4,4'-DDT	44.8		ug/kg	3.12	1.34	1	B
Endosulfan I	ND		ug/kg	1.67	0.394	1	A
Endosulfan II	ND		ug/kg	1.67	0.557	1	A
Endosulfan sulfate	ND		ug/kg	0.694	0.317	1	A
Methoxychlor	ND		ug/kg	3.12	0.972	1	A
Toxaphene	ND		ug/kg	31.2	8.75	1	A
cis-Chlordane	ND		ug/kg	2.08	0.580	1	A
trans-Chlordane	ND		ug/kg	2.08	0.550	1	A
Chlordane	ND		ug/kg	13.5	5.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	140		30-150	B

Project Name: 92 WEST TREMONT
Lab Number: L1320981
Project Number: 2166-06
Report Date: 10/23/13

SAMPLE RESULTS

Lab ID:	L1320981-01	Date Collected:	10/17/13 13:00
Client ID:	TREMONT-1 COMP	Date Received:	10/18/13
Sample Location:	92 WEST TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	10/19/13 03:45
Analytical Date:	10/21/13 21:14	Methylation Date:	10/21/13 14:35
Analyst:	SS		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
Dicamba	ND		ug/kg	35.9	10.4	1	A
2,4-D	ND		ug/kg	180	21.8	1	A
2,4,5-T	ND		ug/kg	180	11.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	9.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	114		30-150	B

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/20/13 23:04
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/19/13 03:16
Cleanup Method1: EPA 3620B
Cleanup Date1: 10/19/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG645266-1						
Delta-BHC	ND		ug/kg	1.59	0.311	A
Lindane	ND		ug/kg	0.662	0.296	A
Alpha-BHC	ND		ug/kg	0.662	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.602	A
Heptachlor	ND		ug/kg	0.794	0.356	A
Aldrin	ND		ug/kg	1.59	0.559	A
Heptachlor epoxide	ND		ug/kg	2.98	0.893	A
Endrin	ND		ug/kg	0.662	0.271	A
Dieldrin	ND		ug/kg	0.993	0.496	A
4,4'-DDE	ND		ug/kg	1.59	0.367	A
4,4'-DDD	ND		ug/kg	1.59	0.566	A
4,4'-DDT	ND		ug/kg	2.98	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.375	A
Endosulfan II	ND		ug/kg	1.59	0.531	A
Endosulfan sulfate	ND		ug/kg	0.662	0.302	A
Methoxychlor	ND		ug/kg	2.98	0.926	A
Toxaphene	ND		ug/kg	29.8	8.34	A
cis-Chlordane	ND		ug/kg	1.98	0.553	A
trans-Chlordane	ND		ug/kg	1.98	0.524	A
Chlordane	ND		ug/kg	12.9	5.26	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	121		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	**163**	Q	30-150	B

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/21/13 16:36
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 10/19/13 03:40

Methylation Date: 10/21/13 14:35

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG645269-1						
Dicamba	ND		ug/kg	33.3	9.69	A
2,4-D	ND		ug/kg	166	20.2	A
2,4,5-T	ND		ug/kg	166	10.4	A
2,4,5-TP (Silvex)	ND		ug/kg	166	9.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	100		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1320981

Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG645266-2 WG645266-3									
Delta-BHC	90		95		30-150	5		30	A
Lindane	90		95		30-150	5		30	A
Alpha-BHC	83		88		30-150	6		30	A
Beta-BHC	96		99		30-150	3		30	A
Heptachlor	94		99		30-150	5		30	A
Aldrin	91		96		30-150	5		30	A
Heptachlor epoxide	84		89		30-150	6		30	A
Endrin	102		108		30-150	6		30	A
Endrin ketone	89		98		30-150	10		30	A
Dieldrin	90		95		30-150	5		30	A
4,4'-DDE	86		91		30-150	6		30	A
4,4'-DDD	91		96		30-150	5		30	A
4,4'-DDT	98		103		30-150	5		30	A
Endosulfan I	88		92		30-150	4		30	A
Endosulfan II	81		85		30-150	5		30	A
Endosulfan sulfate	88		94		30-150	7		30	A
Methoxychlor	98		103		30-150	5		30	A
cis-Chlordane	85		90		30-150	6		30	A
trans-Chlordane	90		94		30-150	4		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG645266-2 WG645266-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		102		30-150	A
Decachlorobiphenyl	115		139		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		93		30-150	B
Decachlorobiphenyl	**166**	Q	141		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1320981

Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG645269-2 WG645269-3									
Dicamba	92		95		30-150	3		30	A
2,4-D	106		108		30-150	2		30	A
2,4,5-T	102		102		30-150	0		30	A
2,4,5-TP (Silvex)	118		117		30-150	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	97		104		30-150	A
DCAA	104		101		30-150	B

METALS

Project Name: 92 WEST TREMONT
Lab Number: L1320981
Project Number: 2166-06
Report Date: 10/23/13

SAMPLE RESULTS

Lab ID: L1320981-01
Client ID: TREMONT-1 COMP
Sample Location: 92 WEST TREMONT BRONX, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 10/17/13 13:00
Date Received: 10/18/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7600		mg/kg	8.2	1.6	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Antimony, Total	ND		mg/kg	4.1	0.66	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Arsenic, Total	2.1		mg/kg	0.82	0.16	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Barium, Total	39		mg/kg	0.82	0.25	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Beryllium, Total	0.23	J	mg/kg	0.41	0.08	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Cadmium, Total	0.30	J	mg/kg	0.82	0.06	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	0.82	0.16	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Cobalt, Total	4.8		mg/kg	1.6	0.41	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Copper, Total	11		mg/kg	0.82	0.16	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Iron, Total	11000		mg/kg	4.1	1.6	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Lead, Total	12		mg/kg	4.1	0.16	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Manganese, Total	240		mg/kg	0.82	0.16	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/23/13 10:31	10/23/13 14:20	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.0	0.33	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.6	0.25	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.82	0.16	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Thallium, Total	ND		mg/kg	1.6	0.33	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Vanadium, Total	17		mg/kg	0.82	0.08	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT
Zinc, Total	44		mg/kg	4.1	0.58	2	10/21/13 10:09	10/22/13 23:14	EPA 3050B	1,6010C	TT

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1320981
Report Date: 10/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG645543-1										
Aluminum, Total	ND		mg/kg	5.0	1.0	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Antimony, Total	ND		mg/kg	2.5	0.40	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Arsenic, Total	ND		mg/kg	0.50	0.10	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Barium, Total	ND		mg/kg	0.50	0.15	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.25	0.05	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.50	0.04	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Chromium, Total	ND		mg/kg	0.50	0.10	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Cobalt, Total	ND		mg/kg	1.0	0.25	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Copper, Total	ND		mg/kg	0.50	0.10	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Iron, Total	1.4	J	mg/kg	2.5	1.0	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Lead, Total	ND		mg/kg	2.5	0.10	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Manganese, Total	ND		mg/kg	0.50	0.10	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Nickel, Total	ND		mg/kg	1.2	0.20	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Selenium, Total	ND		mg/kg	1.0	0.15	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Silver, Total	ND		mg/kg	0.50	0.10	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Thallium, Total	ND		mg/kg	1.0	0.20	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Vanadium, Total	ND		mg/kg	0.50	0.05	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT
Zinc, Total	ND		mg/kg	2.5	0.35	1	10/21/13 10:09	10/22/13 21:46	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG645987-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/23/13 10:31	10/23/13 13:42	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1320981

Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG645543-2 SRM Lot Number: 0518-10-02								
Aluminum, Total	82		-		29-171	-		
Antimony, Total	117		-		4-196	-		
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	97		-		80-119	-		
Cobalt, Total	99		-		83-117	-		
Copper, Total	101		-		83-117	-		
Iron, Total	86		-		51-150	-		
Lead, Total	98		-		80-120	-		
Manganese, Total	92		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	108		-		66-134	-		
Thallium, Total	106		-		79-120	-		
Vanadium, Total	98		-		79-121	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG645987-2 SRM Lot Number: 0518-10-02								
Mercury, Total	114		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG645543-4 QC Sample: L1320793-22 Client ID: MS Sample												
Aluminum, Total	10000	173	11000	**578**	Q	-	-		75-125	-		35
Antimony, Total	ND	43.3	36	83		-	-		75-125	-		35
Arsenic, Total	4.8	10.4	15	98		-	-		75-125	-		35
Barium, Total	110	173	280	98		-	-		75-125	-		35
Beryllium, Total	0.32J	4.33	4.8	111		-	-		75-125	-		35
Cadmium, Total	0.58J	4.41	5.1	116		-	-		75-125	-		35
Chromium, Total	18.	17.3	38	116		-	-		75-125	-		35
Cobalt, Total	11.	43.3	49	88		-	-		75-125	-		35
Copper, Total	37.	21.6	58	97		-	-		75-125	-		35
Iron, Total	21000	86.5	20000	**0**	Q	-	-		75-125	-		35
Lead, Total	44.	44.1	110	**150**	Q	-	-		75-125	-		35
Manganese, Total	300	43.3	360	**139**	Q	-	-		75-125	-		35
Nickel, Total	35.	43.3	71	83		-	-		75-125	-		35
Selenium, Total	ND	10.4	10	96		-	-		75-125	-		35
Silver, Total	ND	26	30	116		-	-		75-125	-		35
Thallium, Total	ND	10.4	8.6	83		-	-		75-125	-		35
Vanadium, Total	28.	43.3	73	104		-	-		75-125	-		35
Zinc, Total	63.	43.3	120	**132**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG645987-4 QC Sample: L1320782-04 Client ID: MS Sample												
Mercury, Total	ND	0.225	0.28	124		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG645543-3 QC Sample: L1320793-22 Client ID: DUP Sample						
Aluminum, Total	10000	10000	mg/kg	0		35
Antimony, Total	ND	ND	mg/kg	NC		35
Arsenic, Total	4.8	4.0	mg/kg	18		35
Barium, Total	110	100	mg/kg	10		35
Beryllium, Total	0.32J	0.34J	mg/kg	NC		35
Cadmium, Total	0.58J	0.50J	mg/kg	NC		35
Chromium, Total	18.	17	mg/kg	6		35
Cobalt, Total	11.	9.0	mg/kg	20		35
Copper, Total	37.	32	mg/kg	14		35
Iron, Total	21000	20000	mg/kg	5		35
Lead, Total	44.	50	mg/kg	13		35
Manganese, Total	300	320	mg/kg	6		35
Nickel, Total	35.	27	mg/kg	26		35
Selenium, Total	ND	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Thallium, Total	ND	ND	mg/kg	NC		35
Vanadium, Total	28.	24	mg/kg	15		35
Zinc, Total	63.	62	mg/kg	2		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG645987-3 QC Sample: L1320782-04 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/kg	NC	35

INORGANICS
&
MISCELLANEOUS

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

SAMPLE RESULTS

Lab ID: L1320981-01
Client ID: TREMONT-1 COMP
Sample Location: 92 WEST TREMONT BRONX, NY
Matrix: Soil

Date Collected: 10/17/13 13:00
Date Received: 10/18/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.86	0.86	1.1	-	10/23/13 15:05	107,-	SD
Solids, Total	92.4		%	0.100	NA	1	-	10/19/13 02:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	10/21/13 13:15	10/21/13 17:32	1,9010C/9012A	JO
Chromium, Hexavalent	0.41	J	mg/kg	0.86	0.17	1	10/22/13 09:30	10/23/13 14:20	1,7196A	ST

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

SAMPLE RESULTS

Lab ID: L1320981-02
Client ID: TREMONT-1 GRAB
Sample Location: 92 WEST TREMONT BRONX, NY
Matrix: Soil

Date Collected: 10/17/13 13:00
Date Received: 10/18/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	10/19/13 02:20	30,2540G	RT

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1320981
Report Date: 10/23/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG645586-1										
Cyanide, Total	ND		mg/kg	0.92	0.21	1	10/21/13 13:15	10/21/13 17:16	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG646028-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	10/22/13 09:30	10/23/13 14:13	1,7196A	ST

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1320981

Report Date: 10/23/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG645586-2 WG645586-3								
Cyanide, Total	109		107		80-120	2		35
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG646028-2								
Chromium, Hexavalent	95		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG645586-4 WG645586-5 QC Sample: L1320981-01 Client ID: TREMONT-1 COMP												
Cyanide, Total	ND	11	12	110		12	120		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG646028-4 QC Sample: L1320981-01 Client ID: TREMONT-1 COMP												
Chromium, Hexavalent	0.41J	928	820	88		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG645261-1 QC Sample: L1320981-01 Client ID: TREMONT-1 COMP						
Solids, Total	92.4	91.9	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG646028-6 QC Sample: L1320981-01 Client ID: TREMONT-1 COMP						
Chromium, Hexavalent	0.41J	0.53J	mg/kg	NC		20

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1320981
Report Date: 10/23/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1320981-01A	Amber 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1320981-01B	Amber 250ml unpreserved	A	N/A	2.0	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1320981-02A	Amber 120ml unpreserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1320981-02B	Plastic 2oz unpreserved for TS s	A	N/A	2.0	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	92 WEST TREMONT	**Lab Number:**	L1320981
Project Number:	2166-06	**Report Date:**	10/23/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	92 WEST TREMONT	**Lab Number:**	L1320981
Project Number:	2166-06	**Report Date:**	10/23/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	92 WEST TREMONT	**Lab Number:**	L1320981
Project Number:	2166-06	**Report Date:**	10/23/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised October 1, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

L1320981

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1

LAB NAME: ALPHA

RECEIVED DATE: 10-18-13

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst AND~~ B. HERNANDEZ
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: ~~Analyst~~BHERNANDEZ@impactenvironmental.com AND @impactenvironmental.com

Project Information

Project Name: 92 WEST TREMONT
Street: 92 WEST TREMONT
City: BRONX **State:** NY **Zip:**
Project #: 2166-06
Sampler's Name: B. HERNANDEZ
Sampler's Signature:

Analytical Information

Impact Analytical Package A*
Impact Analytical Package B**
VOCs 8260 (List for NY Part 375 & NJ DCSRS)
SPLP (Mark 'H' in box for 'Hold')
NYCDEP Sewer Discharge Parameters

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample Information: Sample ID	Sample Collection: Matrix Code	Sample Type	Sample Date	Time	Sample Containers: Total # of bottles	None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact A*	Impact B**	VOCs 8260	SPLP	NYCDEP	(LAB USE ONLY)
2098101	1 TREMONT-1 COMP	S	C	10/17/13	1PM	2		X					X					
02	2 TREMONT-1 GRAB	S	G	"	"	1		X							X			
	3																	
	4																	
	5																	
	6																	
	7																	
	8																	
	9																	
	10																	

Turnaround Time (Business Days)

- [ ] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [X] 3 Day ~~*RUSH*~~ CONFIRM STD
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1		10-18-13 13:5	Joan Hoggerhyde	Joan Hoggerhyde	10-18-13 1740	Tom Toher 10/18/13 1740
3	Tom Toher	10/18/13 23:57				
5						

COOLER INFORMATION

Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach Information)

Updated March 2011

ANALYTICAL REPORT

Lab Number:	L1321946
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	92 WEST TREMONT
Project Number:	2166-06
Report Date:	11/04/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1321946-01	WEST FARMS-2 COMP	92 W. TREMONT AVE	10/29/13 09:00
L1321946-02	WEST FARMS-2 GRAB	92 W. TREMONT AVE	10/29/13 09:00

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	92 WEST TREMONT	**Lab Number:**	L1321946
Project Number:	2166-06	**Report Date:**	11/04/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

The WG648778-3 Method Blank, associated with L1321946-02, has a TIC detected. The results are qualified with a "B" for any associated sample concentrations that are less than 10x the blank concentration for this TIC.

Organochlorine Pesticides

The surrogate recoveries for L1321946-01 are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl (all at 0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cynthia McQueen

Title: Technical Director/Representative Date: 11/04/13

ORGANICS

VOLATILES

Project Name: 92 WEST TREMONT **Lab Number:** L1321946

Project Number: 2166-06 **Report Date:** 11/04/13

SAMPLE RESULTS

Lab ID:	L1321946-02	Date Collected:	10/29/13 09:00
Client ID:	WEST FARMS-2 GRAB	Date Received:	10/30/13
Sample Location:	92 W. TREMONT AVE	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	11/01/13 06:36		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.26	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.11	1
p/m-Xylene	ND		ug/kg	2.2	0.35	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Acetone	ND		ug/kg	11	3.4	1
2-Butanone	ND		ug/kg	11	0.39	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.5	0.61	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.63	1
1,4-Dioxane	ND		ug/kg	110	19.	1

Project Name: 92 WEST TREMONT **Lab Number:** L1321946

Project Number: 2166-06 **Report Date:** 11/04/13

SAMPLE RESULTS

Lab ID: L1321946-02 Date Collected: 10/29/13 09:00

Client ID: WEST FARMS-2 GRAB Date Received: 10/30/13

Sample Location: 92 W. TREMONT AVE Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/13 22:27
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG648778-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Vinyl chloride	ND		ug/kg	2.0	0.14
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Acetone	ND		ug/kg	10	3.1
2-Butanone	ND		ug/kg	10	0.36
n-Butylbenzene	0.35	J	ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
1,4-Dioxane	ND		ug/kg	100	17.

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/31/13 22:27
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG648778-3					
Tentatively Identified Compounds					
Unknown	2.5	J	ug/kg		
Unknown	5.6	J	ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1321946

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG648778-1 WG648778-2								
Methylene chloride	113		122		70-130	8		30
1,1-Dichloroethane	111		118		70-130	6		30
Chloroform	110		117		70-130	6		30
Carbon tetrachloride	110		115		70-130	4		30
1,2-Dichloropropane	114		120		70-130	5		30
Dibromochloromethane	114		126		70-130	10		30
1,1,2-Trichloroethane	115		127		70-130	10		30
Tetrachloroethene	120		128		70-130	6		30
Chlorobenzene	118		127		70-130	7		30
Trichlorofluoromethane	108		114		70-139	5		30
1,2-Dichloroethane	108		118		70-130	9		30
1,1,1-Trichloroethane	112		118		70-130	5		30
Bromodichloromethane	110		117		70-130	6		30
trans-1,3-Dichloropropene	110		119		70-130	8		30
cis-1,3-Dichloropropene	109		118		70-130	8		30
1,1-Dichloropropene	110		118		70-130	7		30
Bromoform	118		130		70-130	10		30
1,1,2,2-Tetrachloroethane	113		124		70-130	9		30
Benzene	111		118		70-130	6		30
Toluene	115		123		70-130	7		30
Ethylbenzene	117		124		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1321946

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG648778-1 WG648778-2								
Chloromethane	106		114		52-130	7		30
Bromomethane	108		110		57-147	2		30
Vinyl chloride	113		117		67-130	3		30
Chloroethane	111		115		50-151	4		30
1,1-Dichloroethene	114		121		65-135	6		30
trans-1,2-Dichloroethene	113		120		70-130	6		30
Trichloroethene	114		121		70-130	6		30
1,2-Dichlorobenzene	119		129		70-130	8		30
1,3-Dichlorobenzene	119		128		70-130	7		30
1,4-Dichlorobenzene	119		130		70-130	9		30
Methyl tert butyl ether	124		**134**	Q	66-130	8		30
p/m-Xylene	118		125		70-130	6		30
o-Xylene	117		126		70-130	7		30
cis-1,2-Dichloroethene	113		120		70-130	6		30
Dibromomethane	112		123		70-130	9		30
Styrene	118		128		70-130	8		30
Dichlorodifluoromethane	100		107		30-146	7		30
Acetone	**148**	Q	135		54-140	9		30
Carbon disulfide	105		110		59-130	5		30
2-Butanone	**133**	Q	**131**	Q	70-130	2		30
Vinyl acetate	**131**	Q	**142**	Q	70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1321946

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG648778-1 WG648778-2								
4-Methyl-2-pentanone	112		127		70-130	13		30
1,2,3-Trichloropropane	114		127		68-130	11		30
2-Hexanone	119		128		70-130	7		30
Bromochloromethane	118		128		70-130	8		30
2,2-Dichloropropane	110		117		70-130	6		30
1,2-Dibromoethane	116		125		70-130	7		30
1,3-Dichloropropane	113		122		69-130	8		30
1,1,1,2-Tetrachloroethane	116		123		70-130	6		30
Bromobenzene	120		130		70-130	8		30
n-Butylbenzene	116		127		70-130	9		30
sec-Butylbenzene	120		128		70-130	6		30
tert-Butylbenzene	121		129		70-130	6		30
o-Chlorotoluene	114		123		70-130	8		30
p-Chlorotoluene	117		127		70-130	8		30
1,2-Dibromo-3-chloropropane	104		117		68-130	12		30
Hexachlorobutadiene	121		130		67-130	7		30
Isopropylbenzene	118		126		70-130	7		30
p-Isopropyltoluene	120		129		70-130	7		30
Naphthalene	113		128		70-130	12		30
Acrylonitrile	112		126		70-130	12		30
Isopropyl Ether	114		122		66-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1321946

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG648778-1 WG648778-2								
tert-Butyl Alcohol	109		122		70-130	11		30
n-Propylbenzene	118		126		70-130	7		30
1,2,3-Trichlorobenzene	120		**131**	Q	70-130	9		30
1,2,4-Trichlorobenzene	120		**131**	Q	70-130	9		30
1,3,5-Trimethylbenzene	119		129		70-130	8		30
1,2,4-Trimethylbenzene	118		126		70-130	7		30
Methyl Acetate	107		115		51-146	7		30
Ethyl Acetate	118		129		70-130	9		30
Acrolein	**135**	Q	**149**	Q	70-130	10		30
Cyclohexane	111		115		59-142	4		30
1,4-Dioxane	127		**138**	Q	65-136	8		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	111		118		50-139	6		30
1,4-Diethylbenzene	117		125		70-130	7		30
4-Ethyltoluene	116		124		70-130	7		30
1,2,4,5-Tetramethylbenzene	115		123		70-130	7		30
Tetrahydrofuran	113		126		66-130	11		30
Ethyl ether	106		115		67-130	8		30
trans-1,4-Dichloro-2-butene	114		122		70-130	7		30
Methyl cyclohexane	110		114		70-130	4		30
Ethyl-Tert-Butyl-Ether	**182**	Q	**196**	Q	70-130	7		30
Tertiary-Amyl Methyl Ether	**286**	Q	**314**	Q	70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG648778-1 WG648778-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		99		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	96		100		70-130
Dibromofluoromethane	96		98		70-130

SEMIVOLATILES

Project Name: 92 WEST TREMONT **Lab Number:** L1321946

Project Number: 2166-06 **Report Date:** 11/04/13

SAMPLE RESULTS

Lab ID:	L1321946-01	Date Collected:	10/29/13 09:00
Client ID:	WEST FARMS-2 COMP	Date Received:	10/30/13
Sample Location:	92 W. TREMONT AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/31/13 19:25
Analytical Date:	11/01/13 14:15		
Analyst:	JB		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
Hexachlorobenzene	ND		ug/kg	110	33.	1
Fluoranthene	920		ug/kg	110	33.	1
Naphthalene	ND		ug/kg	180	60.	1
Benzo(a)anthracene	450		ug/kg	110	35.	1
Benzo(a)pyrene	520		ug/kg	140	44.	1
Benzo(b)fluoranthene	720		ug/kg	110	36.	1
Benzo(k)fluoranthene	250		ug/kg	110	34.	1
Chrysene	510		ug/kg	110	35.	1
Acenaphthylene	120	J	ug/kg	140	34.	1
Anthracene	120		ug/kg	110	30.	1
Benzo(ghi)perylene	390		ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	51.	1
Phenanthrene	360		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	82	J	ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	460		ug/kg	140	40.	1
Pyrene	770		ug/kg	110	35.	1
Dibenzofuran	ND		ug/kg	180	60.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	85		0-136
4-Terphenyl-d14	91		18-120

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/01/13 12:32
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/31/13 19:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG648583-1					
Acenaphthene	ND		ug/kg	130	34.
Hexachlorobenzene	ND		ug/kg	99	31.
Fluoranthene	ND		ug/kg	99	30.
Naphthalene	ND		ug/kg	160	55.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Dibenzofuran	ND		ug/kg	160	55.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/01/13 12:32
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/31/13 19:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG648583-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	53		0-136
4-Terphenyl-d14	92		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1321946

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG648583-2 WG648583-3								
Acenaphthene	66		80		31-137	19		50
1,2,4-Trichlorobenzene	60		73		38-107	20		50
Hexachlorobenzene	70		87		40-140	22		50
Bis(2-chloroethyl)ether	61		71		40-140	15		50
2-Chloronaphthalene	62		75		40-140	19		50
1,2-Dichlorobenzene	59		70		40-140	17		50
1,3-Dichlorobenzene	57		70		40-140	20		50
1,4-Dichlorobenzene	59		71		28-104	18		50
3,3'-Dichlorobenzidine	64		75		40-140	16		50
2,4-Dinitrotoluene	81		**101**	Q	28-89	22		50
2,6-Dinitrotoluene	73		92		40-140	23		50
Fluoranthene	78		97		40-140	22		50
4-Chlorophenyl phenyl ether	69		84		40-140	20		50
4-Bromophenyl phenyl ether	70		91		40-140	26		50
Bis(2-chloroisopropyl)ether	66		77		40-140	15		50
Bis(2-chloroethoxy)methane	62		72		40-117	15		50
Hexachlorobutadiene	61		74		40-140	19		50
Hexachlorocyclopentadiene	60		70		40-140	15		50
Hexachloroethane	58		70		40-140	19		50
Isophorone	64		74		40-140	14		50
Naphthalene	61		74		40-140	19		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG648583-2 WG648583-3								
Nitrobenzene	63		76		40-140	19		50
NitrosoDiPhenylAmine(NDPA)/DPA	74		89			18		50
n-Nitrosodi-n-propylamine	64		65		32-121	2		50
Bis(2-Ethylhexyl)phthalate	88		109		40-140	21		50
Butyl benzyl phthalate	87		109		40-140	22		50
Di-n-butylphthalate	83		102		40-140	21		50
Di-n-octylphthalate	90		110		40-140	20		50
Diethyl phthalate	73		93		40-140	24		50
Dimethyl phthalate	72		90		40-140	22		50
Benzo(a)anthracene	79		94		40-140	17		50
Benzo(a)pyrene	82		94		40-140	14		50
Benzo(b)fluoranthene	80		98		40-140	20		50
Benzo(k)fluoranthene	77		92		40-140	18		50
Chrysene	76		93		40-140	20		50
Acenaphthylene	66		79		40-140	18		50
Anthracene	75		90		40-140	18		50
Benzo(ghi)perylene	79		91		40-140	14		50
Fluorene	70		87		40-140	22		50
Phenanthrene	72		90		40-140	22		50
Dibenzo(a,h)anthracene	81		96		40-140	17		50
Indeno(1,2,3-cd)pyrene	85		99		40-140	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1321946

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG648583-2 WG648583-3								
Pyrene	77		95		35-142	21		50
Biphenyl	63		75			17		50
4-Chloroaniline	67		66		40-140	2		50
2-Nitroaniline	79		95		47-134	18		50
3-Nitroaniline	62		72		26-129	15		50
4-Nitroaniline	78		101		41-125	26		50
Dibenzofuran	68		82		40-140	19		50
2-Methylnaphthalene	63		76		40-140	19		50
1,2,4,5-Tetrachlorobenzene	62		74		40-117	18		50
Acetophenone	64		75		14-144	16		50
2,4,6-Trichlorophenol	71		83		30-130	16		50
P-Chloro-M-Cresol	74		83		26-103	11		50
2-Chlorophenol	64		75		25-102	16		50
2,4-Dichlorophenol	68		80		30-130	16		50
2,4-Dimethylphenol	67		56		30-130	18		50
2-Nitrophenol	68		79		30-130	15		50
4-Nitrophenol	73		94		11-114	25		50
2,4-Dinitrophenol	53		58		4-130	9		50
4,6-Dinitro-o-cresol	62		76		10-130	20		50
Pentachlorophenol	58		68		17-109	16		50
Phenol	64		74		26-90	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1321946

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG648583-2 WG648583-3								
2-Methylphenol	65		71		30-130.	9		50
3-Methylphenol/4-Methylphenol	64		70		30-130	9		50
2,4,5-Trichlorophenol	78		95		30-130	20		50
Benzoic Acid	56		41			31		50
Benzyl Alcohol	63		76		40-140	19		50
Carbazole	77		96		54-128	22		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		76		25-120
Phenol-d6	61		75		10-120
Nitrobenzene-d5	59		73		23-120
2-Fluorobiphenyl	59		75		30-120
2,4,6-Tribromophenol	68		87		0-136
4-Terphenyl-d14	71		94		18-120

PCBS

Project Name: 92 WEST TREMONT **Lab Number:** L1321946

Project Number: 2166-06 **Report Date:** 11/04/13

SAMPLE RESULTS

Lab ID:	L1321946-01	Date Collected:	10/29/13 09:00
Client ID:	WEST FARMS-2 COMP	Date Received:	10/30/13
Sample Location:	92 W. TREMONT AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/31/13 16:39
Analytical Date:	11/01/13 16:38	Cleanup Method1:	EPA 3665A
Analyst:	JT	Cleanup Date1:	11/01/13
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/01/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	6.95	1	A
Aroclor 1221	ND		ug/kg	35.2	10.6	1	A
Aroclor 1232	ND		ug/kg	35.2	7.48	1	A
Aroclor 1242	ND		ug/kg	35.2	6.68	1	A
Aroclor 1248	ND		ug/kg	35.2	4.26	1	A
Aroclor 1254	ND		ug/kg	35.2	5.55	1	A
Aroclor 1260	ND		ug/kg	35.2	6.11	1	A
Aroclor 1262	ND		ug/kg	35.2	2.60	1	A
Aroclor 1268	ND		ug/kg	35.2	5.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1321946

Report Date: 11/04/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/01/13 15:36
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 10/31/13 16:39
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/01/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 11/01/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG649174-1						
Aroclor 1016	ND		ug/kg	32.2	6.35	A
Aroclor 1221	ND		ug/kg	32.2	9.70	A
Aroclor 1232	ND		ug/kg	32.2	6.83	A
Aroclor 1242	ND		ug/kg	32.2	6.10	A
Aroclor 1248	ND		ug/kg	32.2	3.89	A
Aroclor 1254	ND		ug/kg	32.2	5.07	A
Aroclor 1260	ND		ug/kg	32.2	5.58	A
Aroclor 1262	ND		ug/kg	32.2	2.38	A
Aroclor 1268	ND		ug/kg	32.2	4.66	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	104		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1321946

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG649174-2 WG649174-3									
Aroclor 1016	64		73		40-140	13		50	A
Aroclor 1260	66		77		40-140	15		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		70		30-150	A
Decachlorobiphenyl	63		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		71		30-150	B
Decachlorobiphenyl	73		80		30-150	B

PESTICIDES

Project Name: 92 WEST TREMONT **Lab Number:** L1321946

Project Number: 2166-06 **Report Date:** 11/04/13

SAMPLE RESULTS

Lab ID:	L1321946-01	Date Collected:	10/29/13 09:00
Client ID:	WEST FARMS-2 COMP	Date Received:	10/30/13
Sample Location:	92 W. TREMONT AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	10/31/13 02:55
Analytical Date:	11/01/13 09:50	Methylation Date:	10/31/13 19:08
Analyst:	SH		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	180	9.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	110		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1321946

Project Number: 2166-06 **Report Date:** 11/04/13

SAMPLE RESULTS

Lab ID:	L1321946-01 D	Date Collected:	10/29/13 09:00
Client ID:	WEST FARMS-2 COMP	Date Received:	10/30/13
Sample Location:	92 W. TREMONT AVE	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/31/13 18:41
Analytical Date:	11/04/13 09:59	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	11/01/13
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	34.0	6.65	20	A
Lindane	ND		ug/kg	14.1	6.32	20	A
Alpha-BHC	ND		ug/kg	14.1	4.02	20	A
Beta-BHC	ND		ug/kg	34.0	12.9	20	A
Heptachlor	ND		ug/kg	17.0	7.61	20	A
Aldrin	ND		ug/kg	34.0	12.0	20	A
Endrin	ND		ug/kg	14.1	5.80	20	A
Dieldrin	ND		ug/kg	21.2	10.6	20	A
4,4'-DDE	91.7		ug/kg	34.0	7.85	20	B
4,4'-DDD	52.5		ug/kg	34.0	12.1	20	B
4,4'-DDT	435		ug/kg	63.7	27.3	20	A
Endosulfan I	ND		ug/kg	34.0	8.02	20	A
Endosulfan II	ND		ug/kg	34.0	11.3	20	A
Endosulfan sulfate	ND		ug/kg	14.1	6.46	20	A
cis-Chlordane	ND		ug/kg	42.4	11.8	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 11/01/13 08:11
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 10/31/13 02:55

Methylation Date: 10/31/13 19:08

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG648316-1						
2,4,5-TP (Silvex)	ND		ug/kg	164	9.02	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	98		30-150	B

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/01/13 15:34
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/31/13 18:41
Cleanup Method1: EPA 3620B
Cleanup Date1: 11/01/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG648580-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.656	0.293	A
Alpha-BHC	ND		ug/kg	0.656	0.186	A
Beta-BHC	ND		ug/kg	1.58	0.598	A
Heptachlor	ND		ug/kg	0.788	0.353	A
Aldrin	ND		ug/kg	1.58	0.555	A
Endrin	ND		ug/kg	0.656	0.269	A
Dieldrin	ND		ug/kg	0.985	0.492	A
4,4'-DDE	ND		ug/kg	1.58	0.364	A
4,4'-DDD	ND		ug/kg	1.58	0.562	A
4,4'-DDT	ND		ug/kg	2.95	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.372	A
Endosulfan II	ND		ug/kg	1.58	0.526	A
Endosulfan sulfate	ND		ug/kg	0.656	0.300	A
cis-Chlordane	ND		ug/kg	1.97	0.549	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1321946

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG648316-2 WG648316-3									
2,4-D	115		86		30-150	29		30	A
2,4,5-T	105		90		30-150	15		30	A
2,4,5-TP (Silvex)	129		107		30-150	19		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	101		84		30-150	A
DCAA	110		89		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG648580-2 WG648580-3									
Delta-BHC	78		66		30-150	17		30	A
Lindane	77		65		30-150	17		30	A
Alpha-BHC	78		63		30-150	21		30	A
Beta-BHC	78		66		30-150	17		30	A
Heptachlor	99		82		30-150	19		30	A
Aldrin	84		70		30-150	18		30	A
Heptachlor epoxide	80		66		30-150	19		30	A
Endrin	88		74		30-150	17		30	A
Endrin ketone	67		57		30-150	16		30	A
Dieldrin	84		70		30-150	18		30	A
4,4'-DDE	81		69		30-150	16		30	A
4,4'-DDD	82		68		30-150	19		30	A
4,4'-DDT	92		77		30-150	18		30	A
Endosulfan I	85		71		30-150	18		30	A
Endosulfan II	84		70		30-150	18		30	A
Endosulfan sulfate	66		55		30-150	18		30	A
Methoxychlor	77		64		30-150	18		30	A
cis-Chlordane	79		66		30-150	18		30	A
trans-Chlordane	81		67		30-150	19		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1321946

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG648580-2 WG648580-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		68		30-150	A
Decachlorobiphenyl	77		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		57		30-150	B
Decachlorobiphenyl	105		87		30-150	B

METALS

Project Name: 92 WEST TREMONT
Lab Number: L1321946
Project Number: 2166-06
Report Date: 11/04/13

SAMPLE RESULTS

Lab ID: L1321946-01
Client ID: WEST FARMS-2 COMP
Sample Location: 92 W. TREMONT AVE
Matrix: Soil
Percent Solids: 92%

Date Collected: 10/29/13 09:00
Date Received: 10/30/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.5		mg/kg	0.42	0.09	1	10/31/13 10:50	11/01/13 13:07	EPA 3050B	1,6010C	TT
Barium, Total	170		mg/kg	0.42	0.13	1	10/31/13 10:50	11/01/13 13:07	EPA 3050B	1,6010C	TT
Beryllium, Total	0.20	J	mg/kg	0.21	0.04	1	10/31/13 10:50	11/01/13 13:07	EPA 3050B	1,6010C	TT
Cadmium, Total	0.79		mg/kg	0.42	0.03	1	10/31/13 10:50	11/01/13 13:07	EPA 3050B	1,6010C	TT
Chromium, Total	31		mg/kg	0.42	0.09	1	10/31/13 10:50	11/01/13 13:07	EPA 3050B	1,6010C	TT
Copper, Total	33		mg/kg	0.42	0.09	1	10/31/13 10:50	11/01/13 13:07	EPA 3050B	1,6010C	TT
Lead, Total	53		mg/kg	2.1	0.09	1	10/31/13 10:50	11/01/13 13:07	EPA 3050B	1,6010C	TT
Manganese, Total	260		mg/kg	0.42	0.09	1	10/31/13 10:50	11/01/13 13:07	EPA 3050B	1,6010C	TT
Mercury, Total	0.08		mg/kg	0.08	0.02	1	11/04/13 10:17	11/04/13 14:08	EPA 7471B	1,7471B	MC
Nickel, Total	20		mg/kg	1.0	0.17	1	10/31/13 10:50	11/01/13 13:07	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	0.85	0.13	1	10/31/13 10:50	11/01/13 13:07	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.42	0.09	1	10/31/13 10:50	11/01/13 13:07	EPA 3050B	1,6010C	TT
Zinc, Total	170		mg/kg	2.1	0.30	1	10/31/13 10:50	11/01/13 13:07	EPA 3050B	1,6010C	TT

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1321946
Report Date: 11/04/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG648406-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	10/31/13 10:50	11/01/13 12:08	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	10/31/13 10:50	11/01/13 12:08	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/31/13 10:50	11/01/13 12:08	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/31/13 10:50	11/01/13 12:08	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	10/31/13 10:50	11/01/13 12:08	1,6010C	TT
Copper, Total	ND		mg/kg	0.40	0.08	1	10/31/13 10:50	11/01/13 12:08	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	10/31/13 10:50	11/01/13 12:08	1,6010C	TT
Manganese, Total	ND		mg/kg	0.40	0.08	1	10/31/13 10:50	11/01/13 12:08	1,6010C	TT
Nickel, Total	ND		mg/kg	1.0	0.16	1	10/31/13 10:50	11/01/13 12:08	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	10/31/13 10:50	11/01/13 12:08	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	10/31/13 10:50	11/01/13 12:08	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	10/31/13 10:50	11/01/13 12:08	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG649100-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	11/04/13 10:17	11/04/13 14:03	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1321946

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG648406-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	94		-		81-119	-		
Barium, Total	92		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	92		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	92		-		80-120	-		
Manganese, Total	90		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	95		-		80-120	-		
Silver, Total	97		-		66-134	-		
Zinc, Total	91		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG649100-2 SRM Lot Number: 0518-10-02								
Mercury, Total	102		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG648406-4 QC Sample: L1321943-01 Client ID: MS Sample												
Arsenic, Total	3.1	32.5	31	86		-	-		75-125	-		35
Barium, Total	96.	542	560	86		-	-		75-125	-		35
Beryllium, Total	0.34J	13.6	12	88		-	-		75-125	-		35
Cadmium, Total	1.5J	13.8	13	94		-	-		75-125	-		35
Chromium, Total	75.	54.2	120	83		-	-		75-125	-		35
Copper, Total	61.	67.8	120	87		-	-		75-125	-		35
Lead, Total	88.	138	210	88		-	-		75-125	-		35
Manganese, Total	440	136	540	**74**	Q	-	-		75-125	-		35
Nickel, Total	26.	136	140	84		-	-		75-125	-		35
Selenium, Total	ND	32.5	29	89		-	-		75-125	-		35
Silver, Total	ND	81.3	74	91		-	-		75-125	-		35
Zinc, Total	200	136	320	88		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG649100-4 WG649100-5 QC Sample: L1322213-10 Client ID: MS Sample												
Mercury, Total	0.02J	0.185	0.25	**135**	Q	0.25	**135**	Q	70-130	0		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG648406-3 QC Sample: L1321943-01 Client ID: DUP Sample						
Arsenic, Total	3.1	3.6	mg/kg	15		35
Barium, Total	96.	97	mg/kg	1		35
Beryllium, Total	0.34J	0.35J	mg/kg	NC		35
Cadmium, Total	1.5J	1.5J	mg/kg	NC		35
Chromium, Total	75.	77	mg/kg	3		35
Copper, Total	61.	62	mg/kg	2		35
Lead, Total	88.	85	mg/kg	3		35
Manganese, Total	440	470	mg/kg	7		35
Nickel, Total	26.	26	mg/kg	0		35
Selenium, Total	ND	1.0J	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	200	210	mg/kg	5		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG649100-3 QC Sample: L1322213-10 Client ID: DUP Sample						
Mercury, Total	0.02J	ND	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

SAMPLE RESULTS

Lab ID: L1321946-01
Client ID: WEST FARMS-2 COMP
Sample Location: 92 W. TREMONT AVE
Matrix: Soil

Date Collected: 10/29/13 09:00
Date Received: 10/30/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	31		mg/kg	0.87	0.87	1	-	11/01/13 13:25	107,-	JO
Solids, Total	91.8		%	0.100	NA	1	-	10/31/13 14:18	30,2540G	DG
Cyanide, Total	ND		mg/kg	1.0	0.24	1	10/31/13 10:30	10/31/13 16:07	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	10/31/13 13:00	11/01/13 13:07	1,7196A	ST

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

SAMPLE RESULTS

Lab ID: L1321946-02
Client ID: WEST FARMS-2 GRAB
Sample Location: 92 W. TREMONT AVE
Matrix: Soil

Date Collected: 10/29/13 09:00
Date Received: 10/30/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	11/02/13 02:30	30,2540G	RT

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1321946
Report Date: 11/04/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG648430-1										
Cyanide, Total	ND		mg/kg	0.85	0.20	1	10/31/13 10:30	10/31/13 15:58	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG648555-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	10/31/13 13:00	11/01/13 12:53	1,7196A	ST

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1321946

Report Date: 11/04/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG648430-2 WG648430-3								
Cyanide, Total	110		110		80-120	0		35
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG648555-2								
Chromium, Hexavalent	99		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG648430-4 WG648430-5 QC Sample: L1321946-01 Client ID: WEST FARMS-2 COMP												
Cyanide, Total	ND	11	11	100		11	100		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG648555-4 QC Sample: L1321946-01 Client ID: WEST FARMS-2 COMP												
Chromium, Hexavalent	ND	1300	1100	85		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG648507-1 QC Sample: L1321819-01 Client ID: DUP Sample						
Solids, Total	83.6	81.8	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG648555-6 QC Sample: L1321946-01 Client ID: WEST FARMS-2 COMP						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG648984-1 QC Sample: L1320808-11 Client ID: DUP Sample						
Solids, Total	30.7	32.2	%	5		20

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1321946-01A	Vial Large Septa unpreserved	A	N/A	4.0	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1321946-01B	Vial Large Septa unpreserved	A	N/A	4.0	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1321946-01C	Vial Large Septa unpreserved	A	N/A	4.0	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1321946-01D	Vial Large Septa unpreserved	A	N/A	4.0	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1321946
Report Date: 11/04/13

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1321946-02A	Vial Large Septa unpreserved	A	N/A	4.0	Y	Absent	NYTCL-8260(14)
L1321946-02B	Plastic 2oz unpreserved for TS s	A	N/A	4.0	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	92 WEST TREMONT	**Lab Number:**	L1321946
Project Number:	2166-06	**Report Date:**	11/04/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	92 WEST TREMONT	**Lab Number:**	L1321946
Project Number:	2166-06	**Report Date:**	11/04/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	92 WEST TREMONT	**Lab Number:**	L1321946
Project Number:	2166-06	**Report Date:**	11/04/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised October 1, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

L1321946

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1

LAB NAME: ALPHA

RECEIVED DATE: 10-30-13

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst AND~~ B. HERNANDEZ
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: ~~Analyst~~@impactenvironmental.com AND BHERNANDEZ @impactenvironmental.com

Project Information

Project Name: 92 WEST TREMONT
Street: 92 W. TREMONT AVE
City: BRONX **State:** NY **Zip:**
Project #: 2166-06
Sampler's Name: B. HERNANDEZ
Sampler's Signature: Bryan Mc

Analytical Information

Impact Analytical Package A*
Impact Analytical Package B**
VOCs 8260 (List for NY Part 375 & NJ DCSRS)
SPLP (Mark 'H' in box for 'Hold')
NYCDEP Sewer Discharge Parameters
PACKAGE A - NYPart 375 only
VOCs 8260 - NYPart 375 only

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample Information: Sample ID	Sample Collection: Matrix Code	Sample Type	Sample Date	Time	Sample Containers: Total # of bottles	None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Package A	VOCs 8260	(LAB USE ONLY)
-01	1 WEST FARMS-2 COMP	S	C	10/29/13	9AM	4		X					X		
-02	2 WEST FARMS-2 GRAB	S	G	10/29/13	↓	1		X						X	
	3														
	4														
	5														
	6														
	7														
	8														
	9														
	10														

Turnaround Time (Business Days)

- [X] Standard - 3 DAY STD
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other
- [ ] EDD Format

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Bryan Mc	10/30/13 1351	Abdul Mahmud	Abdul Mahmud	10/30/13 1730	
2						
3		10-30-13				
4					10/31/13 0030	
5						

COOLER INFORMATION

Cooler Temp: pH: ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

APPENDIX J

END POINT SAMPLE LAB DATA

ANALYTICAL REPORT

Lab Number:	L1319523
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	92 WEST TREMONT AVE. BRONX, NY
Project Number:	2166-06
Report Date:	10/10/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 92 WEST TREMONT AVE. BRONX, NY
Project Number: 2166-06

Lab Number: L1319523
Report Date: 10/10/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1319523-01	HS-N	92 W. TREMONT AVE. BRONX, NY	10/01/13 11:00
L1319523-02	HS-S	92 W. TREMONT AVE. BRONX, NY	10/01/13 11:00
L1319523-03	HS-E	92 W. TREMONT AVE. BRONX, NY	10/01/13 11:00
L1319523-04	HS-W	92 W. TREMONT AVE. BRONX, NY	10/01/13 11:00

Project Name:	92 WEST TREMONT AVE. BRONX, NY	**Lab Number:**	L1319523
Project Number:	2166-06	**Report Date:**	10/10/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	92 WEST TREMONT AVE. BRONX, NY	**Lab Number:**	L1319523
Project Number:	2166-06	**Report Date:**	10/10/13

Case Narrative (continued)

Report Submission

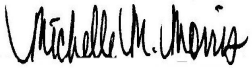
This final report replaces the partial report issued on October 4, 2013. The Volatile Organics compound list has been amended.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 10/10/13

ORGANICS

VOLATILES

Project Name: 92 WEST TREMONT AVE. BRONX, NY **Lab Number:** L1319523

Project Number: 2166-06 **Report Date:** 10/10/13

SAMPLE RESULTS

Lab ID:	L1319523-01	Date Collected:	10/01/13 11:00
Client ID:	HS-N	Date Received:	10/02/13
Sample Location:	92 W. TREMONT AVE. BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/04/13 11:31		
Analyst:	PP		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
Tetrachloroethene	0.74	J	ug/kg	1.2	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Trichloroethene	ND		ug/kg	1.2	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: 92 WEST TREMONT AVE. BRONX, NY **Lab Number:** L1319523

Project Number: 2166-06 **Report Date:** 10/10/13

SAMPLE RESULTS

Lab ID:	L1319523-02	Date Collected:	10/01/13 11:00
Client ID:	HS-S	Date Received:	10/02/13
Sample Location:	92 W. TREMONT AVE. BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/04/13 11:59		
Analyst:	PP		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Trichloroethene	ND		ug/kg	1.1	0.17	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: 92 WEST TREMONT AVE. BRONX, NY **Lab Number:** L1319523

Project Number: 2166-06 **Report Date:** 10/10/13

SAMPLE RESULTS

Lab ID:	L1319523-03	Date Collected:	10/01/13 11:00
Client ID:	HS-E	Date Received:	10/02/13
Sample Location:	92 W. TREMONT AVE. BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/04/13 12:28		
Analyst:	PP		
Percent Solids:	69%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Vinyl chloride	ND		ug/kg	2.9	0.20	1
Trichloroethene	ND		ug/kg	1.4	0.22	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: 92 WEST TREMONT AVE. BRONX, NY **Lab Number:** L1319523

Project Number: 2166-06 **Report Date:** 10/10/13

SAMPLE RESULTS

Lab ID:	L1319523-04	Date Collected:	10/01/13 11:00
Client ID:	HS-W	Date Received:	10/02/13
Sample Location:	92 W. TREMONT AVE. BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/04/13 12:56		
Analyst:	PP		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Trichloroethene	ND		ug/kg	1.2	0.18	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: 92 WEST TREMONT AVE. BRONX, NY
Project Number: 2166-06
Lab Number: L1319523
Report Date: 10/10/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/04/13 09:39
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG641362-3					
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Tetrachloroethene	ND		ug/kg	1.0	0.14
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Vinyl chloride	ND		ug/kg	2.0	0.14
Trichloroethene	ND		ug/kg	1.0	0.15

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT AVE. BRONX, NY

Project Number: 2166-06

Lab Number: L1319523

Report Date: 10/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG641362-1 WG641362-2								
Methylene chloride	76		78		70-130	3		30
1,1-Dichloroethane	88		91		70-130	3		30
Chloroform	88		91		70-130	3		30
Carbon tetrachloride	92		97		70-130	5		30
1,2-Dichloropropane	88		91		70-130	3		30
Dibromochloromethane	91		93		70-130	2		30
1,1,2-Trichloroethane	89		91		70-130	2		30
Tetrachloroethene	93		95		70-130	2		30
Chlorobenzene	91		93		70-130	2		30
Trichlorofluoromethane	94		102		70-139	8		30
1,2-Dichloroethane	86		88		70-130	2		30
1,1,1-Trichloroethane	90		94		70-130	4		30
Bromodichloromethane	87		90		70-130	3		30
trans-1,3-Dichloropropene	88		90		70-130	2		30
cis-1,3-Dichloropropene	86		89		70-130	3		30
1,1-Dichloropropene	88		91		70-130	3		30
Bromoform	89		92		70-130	3		30
1,1,2,2-Tetrachloroethane	86		88		70-130	2		30
Benzene	90		92		70-130	2		30
Toluene	92		93		70-130	1		30
Ethylbenzene	90		92		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT AVE. BRONX, NY

Project Number: 2166-06

Lab Number: L1319523

Report Date: 10/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG641362-1 WG641362-2								
Chloromethane	94		98		52-130	4		30
Bromomethane	109		112		57-147	3		30
Vinyl chloride	98		104		67-130	6		30
Chloroethane	107		111		50-151	4		30
1,1-Dichloroethene	91		96		65-135	5		30
trans-1,2-Dichloroethene	91		94		70-130	3		30
Trichloroethene	90		92		70-130	2		30
1,2-Dichlorobenzene	89		93		70-130	4		30
1,3-Dichlorobenzene	90		93		70-130	3		30
1,4-Dichlorobenzene	90		92		70-130	2		30
Methyl tert butyl ether	85		88		66-130	3		30
p/m-Xylene	92		95		70-130	3		30
o-Xylene	92		93		70-130	1		30
cis-1,2-Dichloroethene	89		93		70-130	4		30
Dibromomethane	88		90		70-130	2		30
Styrene	92		94		70-130	2		30
Dichlorodifluoromethane	80		83		30-146	4		30
Acetone	68		61		54-140	11		30
Carbon disulfide	82		84		59-130	2		30
2-Butanone	83		77		70-130	8		30
Vinyl acetate	77		80		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT AVE. BRONX, NY

Project Number: 2166-06

Lab Number: L1319523

Report Date: 10/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG641362-1 WG641362-2								
4-Methyl-2-pentanone	79		80		70-130	1		30
1,2,3-Trichloropropane	87		89		68-130	2		30
2-Hexanone	75		71		70-130	5		30
Bromochloromethane	91		95		70-130	4		30
2,2-Dichloropropane	92		95		70-130	3		30
1,2-Dibromoethane	90		90		70-130	0		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	92		93		70-130	1		30
Bromobenzene	87		90		70-130	3		30
n-Butylbenzene	90		92		70-130	2		30
sec-Butylbenzene	90		92		70-130	2		30
tert-Butylbenzene	90		93		70-130	3		30
o-Chlorotoluene	90		93		70-130	3		30
p-Chlorotoluene	88		91		70-130	3		30
1,2-Dibromo-3-chloropropane	89		88		68-130	1		30
Hexachlorobutadiene	90		91		67-130	1		30
Isopropylbenzene	88		91		70-130	3		30
p-Isopropyltoluene	90		93		70-130	3		30
Naphthalene	82		86		70-130	5		30
Acrylonitrile	85		86		70-130	1		30
n-Propylbenzene	87		91		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT AVE. BRONX, NY

Project Number: 2166-06

Lab Number: L1319523

Report Date: 10/10/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG641362-1 WG641362-2								
1,2,3-Trichlorobenzene	88		90		70-130	2		30
1,2,4-Trichlorobenzene	88		91		70-130	3		30
1,3,5-Trimethylbenzene	90		93		70-130	3		30
1,2,4-Trimethylbenzene	90		93		70-130	3		30
1,4-Diethylbenzene	89		92		70-130	3		30
4-Ethyltoluene	88		91		70-130	3		30
1,2,4,5-Tetramethylbenzene	88		91		70-130	3		30
Ethyl ether	94		98		67-130	4		30
trans-1,4-Dichloro-2-butene	83		85		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	100		100		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 92 WEST TREMONT AVE. BRONX, NY
Project Number: 2166-06
Lab Number: L1319523
Report Date: 10/10/13

SAMPLE RESULTS

Lab ID: L1319523-01
Client ID: HS-N
Sample Location: 92 W. TREMONT AVE. BRONX, NY
Matrix: Soil

Date Collected: 10/01/13 11:00
Date Received: 10/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	10/03/13 02:54	30,2540G	RT

Project Name: 92 WEST TREMONT AVE. BRONX, NY
Project Number: 2166-06
Lab Number: L1319523
Report Date: 10/10/13

SAMPLE RESULTS

Lab ID: L1319523-02
Client ID: HS-S
Sample Location: 92 W. TREMONT AVE. BRONX, NY
Matrix: Soil

Date Collected: 10/01/13 11:00
Date Received: 10/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	10/03/13 02:54	30,2540G	RT

Project Name: 92 WEST TREMONT AVE. BRONX, NY
Project Number: 2166-06
Lab Number: L1319523
Report Date: 10/10/13

SAMPLE RESULTS

Lab ID: L1319523-03
Client ID: HS-E
Sample Location: 92 W. TREMONT AVE. BRONX, NY
Matrix: Soil

Date Collected: 10/01/13 11:00
Date Received: 10/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.6		%	0.100	NA	1	-	10/03/13 02:54	30,2540G	RT

Project Name: 92 WEST TREMONT AVE. BRONX, NY
Project Number: 2166-06
Lab Number: L1319523
Report Date: 10/10/13

SAMPLE RESULTS

Lab ID: L1319523-04
Client ID: HS-W
Sample Location: 92 W. TREMONT AVE. BRONX, NY
Matrix: Soil

Date Collected: 10/01/13 11:00
Date Received: 10/02/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	10/03/13 02:54	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT AVE. BRONX, NY
Project Number: 2166-06

Lab Number: L1319523
Report Date: 10/10/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG640860-1 QC Sample: L1319523-01 Client ID: HS-N						
Solids, Total	84.6	84.9	%	0		20

Project Name: 92 WEST TREMONT AVE. BRONX, NY
Project Number: 2166-06

Lab Number: L1319523
Report Date: 10/10/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1319523-01A	Amber 120ml unpreserved	A	N/A	2	Y	Absent	TS(7),NYTCL-8260(14)
L1319523-02A	Amber 120ml unpreserved	A	N/A	2	Y	Absent	TS(7),NYTCL-8260(14)
L1319523-03A	Amber 120ml unpreserved	A	N/A	2	Y	Absent	TS(7),NYTCL-8260(14)
L1319523-04A	Amber 120ml unpreserved	A	N/A	2	Y	Absent	TS(7),NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	92 WEST TREMONT AVE. BRONX, NY	**Lab Number:**	L1319523
Project Number:	2166-06	**Report Date:**	10/10/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	92 WEST TREMONT AVE. BRONX, NY	**Lab Number:**	L1319523
Project Number:	2166-06	**Report Date:**	10/10/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	92 WEST TREMONT AVE. BRONX, NY	**Lab Number:**	L1319523
Project Number:	2166-06	**Report Date:**	10/10/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised October 1, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

revised 10/4/13 CW

CHAIN OF CUSTODY

L1319523

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1

Serial_No:10101314:47

LAB NAME: ALPHA

RECEIVED DATE: 10-1-13

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst~~ AND B. HERNANDEZ
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: ~~Analyst~~B. HERNANDEZ @impactenvironmental.com AND @impactenvironmental.com

Project Information

Project Name: 92 WEST TREMONT AVE
Street: 92 W TREMONT AVE
City: BRONX **State:** NY **Zip:**
Project #: 2166-06
Sampler's Name: B. HERNANDEZ
Sampler's Signature: Bryan Mag

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	Sample Containers: Number of Each Preserved Bottle: None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	PCE	* TCE, TCA	* CARBON TETRACHLORIDE	* VINYL TERACHLORIDE			
L1319523-01	1 HS-N	S	G	9/11/13	11AM	1		X										X						
02	2 HS-S	↓	↓	↓	↓	↓		↓										X						
03	3 HS-E																	X						
04	4 HS-W																	X						
	5																							
	6																							
	7																							
	8																							
	9																							
	10																							

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

(LAB USE ONLY)

Turnaround Time (Business Days)

- [ ] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [x] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other
- [ ] EDD Format

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

* REPORT ONLY PCE, HOLD RESULTS FOR REMAINING CHLORINATED VOCS.

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Bryan Mag	1 10-1-13 15:20	1	2	10/1/13 1700	2 Tom Toher 10/1/13 1700
3	Relinquished By: Tom Toher	Date / Time: 10/1/13 2220	3 William McLeod	4	Date / Time: 4	Received By: 4
5	Relinquished by: 5	Date / Time: 5	Received By: 5	Cooler Temp:	pH:	On Ice / Sample Receipt Discrepancy(attach information)

Updated March 2011

CHAIN OF CUSTODY

L1319523

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1

Serial_No:10101314:47

LAB NAME: ALPHA

RECEIVED DATE: 10-1-13

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst~~ AND B. HERNANDEZ
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: ~~Analyst~~B. HERNANDEZ @impactenvironmental.com AND @impactenvironmental.com

Project Information

Project Name: 92 WEST TREMONT AVE
Street: 92 W TREMONT AVE
City: BRONX **State:** NY **Zip:**
Project #: 2166-06
Sampler's Name: B. HERNANDEZ
Sampler's Signature: Bryan Mey

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	PCE	* TCE, TCA	* CARBON TETRACHLORIDE	* VINYL TERACHLORIDE			
19523-01	1 HS-N	S	G	9/11/13	11AM	1		X																
02	2 HS-S																							
03	3 HS-E																							
04	4 HS-W																							
	5																							
	6																							
	7																							
	8																							
	9																							
	10																							

Sample Containers — Number of Each Preserved Bottle

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

Turnaround Time (Business Days)

- [ ] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [x] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other
- [ ] EDD Format

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

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Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Bryan Mey	10-1-13 15:20			10/1/13 1700	Tom Toher 10/1/13 1700
3	Tom Toher	10/1/13 2220	William McLeod			
5						

COOLER INFORMATION
Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

ANALYTICAL REPORT

Lab Number:	L1319901
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	92 WEST TREMONT
Project Number:	2166-06
Report Date:	10/09/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1319901-01	EP-1	92 W. TREMONT AVE. BRONX, NY	10/04/13 09:00

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	92 WEST TREMONT	**Lab Number:**	L1319901
Project Number:	2166-06	**Report Date:**	10/09/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Total Metals

L1319901-01 has elevated detection limits for all elements, with the exception of mercury, due to the analytical dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 10/09/13

ORGANICS

VOLATILES

Project Name: 92 WEST TREMONT **Lab Number:** L1319901

Project Number: 2166-06 **Report Date:** 10/09/13

SAMPLE RESULTS

Lab ID:	L1319901-01	Date Collected:	10/04/13 09:00
Client ID:	EP-1	Date Received:	10/04/13
Sample Location:	92 W. TREMONT AVE. BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/08/13 18:30		
Analyst:	PP		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.8	J	ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.26	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.11	1
p/m-Xylene	ND		ug/kg	2.2	0.35	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Acetone	ND		ug/kg	11	3.4	1
2-Butanone	ND		ug/kg	11	0.39	1
n-Butylbenzene	ND		ug/kg	1.1	0.22	1
sec-Butylbenzene	ND		ug/kg	1.1	0.22	1
tert-Butylbenzene	ND		ug/kg	5.5	0.61	1
n-Propylbenzene	ND		ug/kg	1.1	0.14	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.63	1
1,4-Dioxane	ND		ug/kg	110	19.	1

Project Name: 92 WEST TREMONT **Lab Number:** L1319901

Project Number: 2166-06 **Report Date:** 10/09/13

SAMPLE RESULTS

Lab ID: L1319901-01 Date Collected: 10/04/13 09:00

Client ID: EP-1 Date Received: 10/04/13

Sample Location: 92 W. TREMONT AVE. BRONX, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/08/13 10:53
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG642156-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.35	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Vinyl chloride	ND		ug/kg	2.0	0.14
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Acetone	ND		ug/kg	10	3.1
2-Butanone	ND		ug/kg	10	0.36
n-Butylbenzene	ND		ug/kg	1.0	0.20
sec-Butylbenzene	ND		ug/kg	1.0	0.20
tert-Butylbenzene	ND		ug/kg	5.0	0.56
n-Propylbenzene	ND		ug/kg	1.0	0.12
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.57
1,4-Dioxane	ND		ug/kg	100	17.

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/08/13 10:53
Analyst: PP

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG642156-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1319901

Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG642156-1 WG642156-2								
Methylene chloride	104		101		70-130	3		30
1,1-Dichloroethane	103		100		70-130	3		30
Chloroform	101		99		70-130	2		30
Carbon tetrachloride	102		100		70-130	2		30
1,2-Dichloropropane	99		98		70-130	1		30
Dibromochloromethane	109		106		70-130	3		30
1,1,2-Trichloroethane	105		103		70-130	2		30
Tetrachloroethene	107		106		70-130	1		30
Chlorobenzene	106		106		70-130	0		30
Trichlorofluoromethane	96		91		70-139	5		30
1,2-Dichloroethane	97		94		70-130	3		30
1,1,1-Trichloroethane	106		105		70-130	1		30
Bromodichloromethane	102		100		70-130	2		30
trans-1,3-Dichloropropene	82		79		70-130	4		30
cis-1,3-Dichloropropene	88		86		70-130	2		30
1,1-Dichloropropene	103		102		70-130	1		30
Bromoform	100		97		70-130	3		30
1,1,2,2-Tetrachloroethane	109		107		70-130	2		30
Benzene	104		103		70-130	1		30
Toluene	104		104		70-130	0		30
Ethylbenzene	110		110		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1319901

Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG642156-1 WG642156-2								
Chloromethane	109		103		52-130	6		30
Bromomethane	109		109		57-147	0		30
Vinyl chloride	117		115		67-130	2		30
Chloroethane	115		108		50-151	6		30
1,1-Dichloroethene	106		105		65-135	1		30
trans-1,2-Dichloroethene	105		102		70-130	3		30
Trichloroethene	102		100		70-130	2		30
1,2-Dichlorobenzene	105		104		70-130	1		30
1,3-Dichlorobenzene	108		106		70-130	2		30
1,4-Dichlorobenzene	108		106		70-130	2		30
Methyl tert butyl ether	74		71		66-130	4		30
p/m-Xylene	108		108		70-130	0		30
o-Xylene	105		106		70-130	1		30
cis-1,2-Dichloroethene	103		101		70-130	2		30
Dibromomethane	95		91		70-130	4		30
Styrene	109		109		70-130	0		30
Dichlorodifluoromethane	80		76		30-146	5		30
Acetone	**144**	Q	124		54-140	15		30
Carbon disulfide	98		96		59-130	2		30
2-Butanone	109		99		70-130	10		30
Vinyl acetate	87		84		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1319901

Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG642156-1 WG642156-2								
4-Methyl-2-pentanone	92		86		70-130	7		30
1,2,3-Trichloropropane	106		102		68-130	4		30
2-Hexanone	107		100		70-130	7		30
Bromochloromethane	97		94		70-130	3		30
2,2-Dichloropropane	83		84		70-130	1		30
1,2-Dibromoethane	104		100		70-130	4		30
1,3-Dichloropropane	101		99		69-130	2		30
1,1,1,2-Tetrachloroethane	103		101		70-130	2		30
Bromobenzene	105		105		70-130	0		30
n-Butylbenzene	115		113		70-130	2		30
sec-Butylbenzene	116		116		70-130	0		30
tert-Butylbenzene	111		110		70-130	1		30
o-Chlorotoluene	112		111		70-130	1		30
p-Chlorotoluene	109		108		70-130	1		30
1,2-Dibromo-3-chloropropane	92		89		68-130	3		30
Hexachlorobutadiene	104		103		67-130	1		30
Isopropylbenzene	109		109		70-130	0		30
p-Isopropyltoluene	111		110		70-130	1		30
Naphthalene	96		94		70-130	2		30
Acrylonitrile	100		86		70-130	15		30
Isopropyl Ether	95		94		66-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG642156-1 WG642156-2								
tert-Butyl Alcohol	94		90		70-130	4		30
n-Propylbenzene	112		111		70-130	1		30
1,2,3-Trichlorobenzene	103		102		70-130	1		30
1,2,4-Trichlorobenzene	104		101		70-130	3		30
1,3,5-Trimethylbenzene	113		110		70-130	3		30
1,2,4-Trimethylbenzene	110		108		70-130	2		30
Methyl Acetate	100		95		51-146	5		30
Ethyl Acetate	104		98		70-130	6		30
Acrolein	96		91		70-130	5		30
Cyclohexane	100		98		59-142	2		30
1,4-Dioxane	98		93		65-136	5		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	104		100		50-139	4		30
1,4-Diethylbenzene	113		112		70-130	1		30
4-Ethyltoluene	115		113		70-130	2		30
1,2,4,5-Tetramethylbenzene	106		105		70-130	1		30
Tetrahydrofuran	99		90		66-130	10		30
Ethyl ether	94		91		67-130	3		30
trans-1,4-Dichloro-2-butene	97		93		70-130	4		30
Methyl cyclohexane	103		101		70-130	2		30
Ethyl-Tert-Butyl-Ether	92		90		70-130	2		30
Tertiary-Amyl Methyl Ether	**56**	Q	**56**	Q	70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG642156-1 WG642156-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		97		70-130
Toluene-d8	104		102		70-130
4-Bromofluorobenzene	105		102		70-130
Dibromofluoromethane	106		99		70-130

SEMIVOLATILES

Project Name: 92 WEST TREMONT **Lab Number:** L1319901

Project Number: 2166-06 **Report Date:** 10/09/13

SAMPLE RESULTS

Lab ID:	L1319901-01	Date Collected:	10/04/13 09:00
Client ID:	EP-1	Date Received:	10/04/13
Sample Location:	92 W. TREMONT AVE. BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/05/13 00:38
Analytical Date:	10/07/13 19:43		
Analyst:	JB		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Fluoranthene	730		ug/kg	110	33.	1
Naphthalene	ND		ug/kg	180	60.	1
Benzo(a)anthracene	370		ug/kg	110	35.	1
Benzo(a)pyrene	370		ug/kg	140	44.	1
Benzo(b)fluoranthene	530		ug/kg	110	37.	1
Benzo(k)fluoranthene	210		ug/kg	110	34.	1
Chrysene	420		ug/kg	110	36.	1
Acenaphthylene	100	J	ug/kg	140	34.	1
Anthracene	120		ug/kg	110	30.	1
Benzo(ghi)perylene	260		ug/kg	140	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	380		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	70	J	ug/kg	110	35.	1
Indeno(1,2,3-cd)pyrene	280		ug/kg	140	40.	1
Pyrene	570		ug/kg	110	35.	1
Dibenzofuran	ND		ug/kg	180	60.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	118		0-136
4-Terphenyl-d14	72		18-120

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/05/13 12:29
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/05/13 00:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG641460-1					
Acenaphthene	ND		ug/kg	130	34.
Hexachlorobenzene	ND		ug/kg	100	31.
Fluoranthene	ND		ug/kg	100	30.
Naphthalene	ND		ug/kg	160	55.
Benzo(a)anthracene	ND		ug/kg	100	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	33.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Dibenzofuran	ND		ug/kg	160	55.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/05/13 12:29
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 10/05/13 00:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG641460-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	109		0-136
4-Terphenyl-d14	**124**	Q	18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1319901

Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG641460-2 WG641460-3								
Acenaphthene	86		107		31-137	22		50
1,2,4-Trichlorobenzene	78		95		38-107	20		50
Hexachlorobenzene	97		118		40-140	20		50
Bis(2-chloroethyl)ether	72		90		40-140	22		50
2-Chloronaphthalene	80		94		40-140	16		50
1,2-Dichlorobenzene	74		93		40-140	23		50
1,3-Dichlorobenzene	74		90		40-140	20		50
1,4-Dichlorobenzene	74		90		28-104	20		50
3,3'-Dichlorobenzidine	85		104		40-140	20		50
2,4-Dinitrotoluene	**105**	Q	**134**	Q	28-89	24		50
2,6-Dinitrotoluene	93		115		40-140	21		50
Fluoranthene	104		129		40-140	21		50
4-Chlorophenyl phenyl ether	90		113		40-140	23		50
4-Bromophenyl phenyl ether	95		119		40-140	22		50
Bis(2-chloroisopropyl)ether	59		72		40-140	20		50
Bis(2-chloroethoxy)methane	73		88		40-117	19		50
Hexachlorobutadiene	77		98		40-140	24		50
Hexachlorocyclopentadiene	78		100		40-140	25		50
Hexachloroethane	72		90		40-140	22		50
Isophorone	74		91		40-140	21		50
Naphthalene	77		94		40-140	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1319901

Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG641460-2 WG641460-3								
Nitrobenzene	82		100		40-140	20		50
NitrosoDiPhenylAmine(NDPA)/DPA	97		120			21		50
n-Nitrosodi-n-propylamine	77		92		32-121	18		50
Bis(2-Ethylhexyl)phthalate	105		135		40-140	25		50
Butyl benzyl phthalate	115		**144**	Q	40-140	22		50
Di-n-butylphthalate	104		130		40-140	22		50
Di-n-octylphthalate	104		134		40-140	25		50
Diethyl phthalate	97		123		40-140	24		50
Dimethyl phthalate	94		116		40-140	21		50
Benzo(a)anthracene	98		123		40-140	23		50
Benzo(a)pyrene	98		127		40-140	26		50
Benzo(b)fluoranthene	98		122		40-140	22		50
Benzo(k)fluoranthene	94		121		40-140	25		50
Chrysene	93		117		40-140	23		50
Acenaphthylene	85		102		40-140	18		50
Anthracene	97		123		40-140	24		50
Benzo(ghi)perylene	98		120		40-140	20		50
Fluorene	91		114		40-140	22		50
Phenanthrene	94		117		40-140	22		50
Dibenzo(a,h)anthracene	103		130		40-140	23		50
Indeno(1,2,3-cd)pyrene	106		129		40-140	20		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG641460-2 WG641460-3								
Pyrene	103		126		35-142	20		50
Biphenyl	95		117			21		50
4-Chloroaniline	80		96		40-140	18		50
2-Nitroaniline	96		117		47-134	20		50
3-Nitroaniline	76		93		26-129	20		50
4-Nitroaniline	107		**135**	Q	41-125	23		50
Dibenzofuran	88		108		40-140	20		50
2-Methylnaphthalene	77		92		40-140	18		50
1,2,4,5-Tetrachlorobenzene	95		**118**	Q	40-117	22		50
Acetophenone	86		105		14-144	20		50
2,4,6-Trichlorophenol	96		115		30-130	18		50
P-Chloro-M-Cresol	98		**117**	Q	26-103	18		50
2-Chlorophenol	80		98		25-102	20		50
2,4-Dichlorophenol	88		104		30-130	17		50
2,4-Dimethylphenol	86		103		30-130	18		50
2-Nitrophenol	80		102		30-130	24		50
4-Nitrophenol	106		**135**	Q	11-114	24		50
2,4-Dinitrophenol	88		112		4-130	24		50
4,6-Dinitro-o-cresol	93		116		10-130	22		50
Pentachlorophenol	96		**124**	Q	17-109	25		50
Phenol	80		**96**	Q	26-90	18		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1319901

Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG641460-2 WG641460-3								
2-Methylphenol	82		98		30-130.	18		50
3-Methylphenol/4-Methylphenol	82		97		30-130	17		50
2,4,5-Trichlorophenol	98		117		30-130	18		50
Benzoic Acid	71		80			12		50
Benzyl Alcohol	80		100		40-140	22		50
Carbazole	101		125		54-128	21		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	89		105		25-120
Phenol-d6	86		101		10-120
Nitrobenzene-d5	79		96		23-120
2-Fluorobiphenyl	82		97		30-120
2,4,6-Tribromophenol	115		**148**	Q	0-136
4-Terphenyl-d14	108		**135**	Q	18-120

PCBS

Project Name: 92 WEST TREMONT **Lab Number:** L1319901

Project Number: 2166-06 **Report Date:** 10/09/13

SAMPLE RESULTS

Lab ID:	L1319901-01	Date Collected:	10/04/13 09:00
Client ID:	EP-1	Date Received:	10/04/13
Sample Location:	92 W. TREMONT AVE. BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/06/13 08:25
Analytical Date:	10/06/13 18:07	Cleanup Method1:	EPA 3665A
Analyst:	TQ	Cleanup Date1:	10/06/13
Percent Solids:	91%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	10/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	6.92	1	A
Aroclor 1221	ND		ug/kg	35.0	10.6	1	A
Aroclor 1232	ND		ug/kg	35.0	7.44	1	A
Aroclor 1242	ND		ug/kg	35.0	6.65	1	A
Aroclor 1248	ND		ug/kg	35.0	4.24	1	A
Aroclor 1254	ND		ug/kg	35.0	5.52	1	A
Aroclor 1260	17.2	J	ug/kg	35.0	6.08	1	B
Aroclor 1262	ND		ug/kg	35.0	2.59	1	A
Aroclor 1268	ND		ug/kg	35.0	5.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1319901

Report Date: 10/09/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/06/13 21:27
Analyst: TQ

Extraction Method: EPA 3546
Extraction Date: 10/06/13 08:25
Cleanup Method1: EPA 3665A
Cleanup Date1: 10/06/13
Cleanup Method2: EPA 3660B
Cleanup Date2: 10/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG641565-1						
Aroclor 1016	ND		ug/kg	32.7	6.46	A
Aroclor 1221	ND		ug/kg	32.7	9.86	A
Aroclor 1232	ND		ug/kg	32.7	6.95	A
Aroclor 1242	ND		ug/kg	32.7	6.21	A
Aroclor 1248	ND		ug/kg	32.7	3.96	A
Aroclor 1254	ND		ug/kg	32.7	5.16	A
Aroclor 1260	ND		ug/kg	32.7	5.68	A
Aroclor 1262	ND		ug/kg	32.7	2.42	A
Aroclor 1268	ND		ug/kg	32.7	4.74	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1319901

Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG641565-2 WG641565-3									
Aroclor 1016	57		61		40-140	7		50	A
Aroclor 1260	61		66		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		69		30-150	A
Decachlorobiphenyl	75		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		66		30-150	B
Decachlorobiphenyl	85		82		30-150	B

PESTICIDES

Project Name: 92 WEST TREMONT **Lab Number:** L1319901

Project Number: 2166-06 **Report Date:** 10/09/13

SAMPLE RESULTS

Lab ID:	L1319901-01	Date Collected:	10/04/13 09:00
Client ID:	EP-1	Date Received:	10/04/13
Sample Location:	92 W. TREMONT AVE. BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	10/05/13 03:17
Analytical Date:	10/07/13 04:01	Methylation Date:	10/06/13 23:39
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	180	9.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	77		30-150	A
DCAA	88		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1319901

Project Number: 2166-06 **Report Date:** 10/09/13

SAMPLE RESULTS

Lab ID:	L1319901-01 D	Date Collected:	10/04/13 09:00
Client ID:	EP-1	Date Received:	10/04/13
Sample Location:	92 W. TREMONT AVE. BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/13 10:59
Analytical Date:	10/08/13 16:41	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	10/06/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	17.4	3.42	10	A
Lindane	ND		ug/kg	7.27	3.25	10	A
Alpha-BHC	ND		ug/kg	7.27	2.06	10	A
Beta-BHC	ND		ug/kg	17.4	6.61	10	A
Heptachlor	ND		ug/kg	8.72	3.91	10	A
Aldrin	ND		ug/kg	17.4	6.14	10	A
Endrin	ND		ug/kg	7.27	2.98	10	A
Dieldrin	8.28	J	ug/kg	10.9	5.45	10	B
4,4'-DDE	116		ug/kg	17.4	4.03	10	B
4,4'-DDD	46.0		ug/kg	17.4	6.22	10	B
4,4'-DDT	529		ug/kg	32.7	14.0	10	B
Endosulfan I	ND		ug/kg	17.4	4.12	10	A
Endosulfan II	ND		ug/kg	17.4	5.83	10	A
Endosulfan sulfate	ND		ug/kg	7.27	3.32	10	A
cis-Chlordane	ND		ug/kg	21.8	6.07	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 10/07/13 01:42
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 10/05/13 03:17

Methylation Date: 10/06/13 23:39

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01 Batch: WG641484-1						
2,4,5-TP (Silvex)	ND		ug/kg	166	9.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	123		30-150	B

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/07/13 00:18
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 10/05/13 10:59
Cleanup Method1: EPA 3620B
Cleanup Date1: 10/06/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG641505-1						
Delta-BHC	ND		ug/kg	1.58	0.310	A
Lindane	ND		ug/kg	0.660	0.295	A
Alpha-BHC	ND		ug/kg	0.660	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.601	A
Heptachlor	ND		ug/kg	0.792	0.355	A
Aldrin	ND		ug/kg	1.58	0.558	A
Endrin	ND		ug/kg	0.660	0.271	A
Dieldrin	ND		ug/kg	0.990	0.495	A
4,4'-DDE	ND		ug/kg	1.58	0.366	A
4,4'-DDD	ND		ug/kg	1.58	0.565	A
4,4'-DDT	ND		ug/kg	2.97	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.374	A
Endosulfan II	ND		ug/kg	1.58	0.529	A
Endosulfan sulfate	ND		ug/kg	0.660	0.302	A
cis-Chlordane	ND		ug/kg	1.98	0.552	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	125		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	**161**	Q	30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1319901

Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01 Batch: WG641484-2 WG641484-3									
2,4-D	98		80		30-150	20		30	A
2,4,5-T	83		73		30-150	13		30	A
2,4,5-TP (Silvex)	96		79		30-150	19		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	91		66		30-150	A
DCAA	77		70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1319901

Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG641505-2 WG641505-3									
Delta-BHC	86		82		30-150	5		30	A
Lindane	84		82		30-150	2		30	A
Alpha-BHC	82		79		30-150	4		30	A
Beta-BHC	98		86		30-150	13		30	A
Heptachlor	87		84		30-150	4		30	A
Aldrin	87		85		30-150	2		30	A
Heptachlor epoxide	80		77		30-150	4		30	A
Endrin	97		93		30-150	4		30	A
Endrin ketone	93		87		30-150	7		30	A
Dieldrin	87		84		30-150	4		30	A
4,4'-DDE	83		81		30-150	2		30	A
4,4'-DDD	88		84		30-150	5		30	A
4,4'-DDT	91		87		30-150	4		30	A
Endosulfan I	85		82		30-150	4		30	A
Endosulfan II	80		76		30-150	5		30	A
Endosulfan sulfate	89		84		30-150	6		30	A
Methoxychlor	93		90		30-150	3		30	A
cis-Chlordane	84		83		30-150	1		30	A
trans-Chlordane	87		84		30-150	4		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG641505-2 WG641505-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		92		30-150	A
Decachlorobiphenyl	122		119		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		72		30-150	B
Decachlorobiphenyl	**151**	Q	**154**	Q	30-150	B

METALS

Project Name: 92 WEST TREMONT
Lab Number: L1319901
Project Number: 2166-06
Report Date: 10/09/13

SAMPLE RESULTS

Lab ID: L1319901-01
Client ID: EP-1
Sample Location: 92 W. TREMONT AVE. BRONX, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 10/04/13 09:00
Date Received: 10/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.6		mg/kg	0.85	0.17	2	10/07/13 09:31	10/08/13 14:21	EPA 3050B	1,6010C	MG
Barium, Total	210		mg/kg	0.85	0.25	2	10/07/13 09:31	10/08/13 14:21	EPA 3050B	1,6010C	MG
Beryllium, Total	0.14	J	mg/kg	0.42	0.09	2	10/07/13 09:31	10/08/13 14:21	EPA 3050B	1,6010C	MG
Cadmium, Total	1.1		mg/kg	0.85	0.06	2	10/07/13 09:31	10/08/13 14:21	EPA 3050B	1,6010C	MG
Chromium, Total	48		mg/kg	0.85	0.17	2	10/07/13 09:31	10/08/13 14:21	EPA 3050B	1,6010C	MG
Copper, Total	40		mg/kg	0.85	0.17	2	10/07/13 09:31	10/08/13 14:21	EPA 3050B	1,6010C	MG
Lead, Total	60		mg/kg	4.2	0.17	2	10/07/13 09:31	10/08/13 14:21	EPA 3050B	1,6010C	MG
Manganese, Total	370		mg/kg	0.85	0.17	2	10/07/13 09:31	10/08/13 14:21	EPA 3050B	1,6010C	MG
Mercury, Total	0.11		mg/kg	0.09	0.02	1	10/07/13 10:56	10/08/13 12:38	EPA 7471B	1,7471B	BC
Nickel, Total	26		mg/kg	2.1	0.34	2	10/07/13 09:31	10/08/13 14:21	EPA 3050B	1,6010C	MG
Selenium, Total	0.41	J	mg/kg	1.7	0.25	2	10/07/13 09:31	10/08/13 14:21	EPA 3050B	1,6010C	MG
Silver, Total	0.27	J	mg/kg	0.85	0.17	2	10/07/13 09:31	10/08/13 14:21	EPA 3050B	1,6010C	MG
Zinc, Total	170		mg/kg	4.2	0.59	2	10/07/13 09:31	10/08/13 14:21	EPA 3050B	1,6010C	MG

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1319901
Report Date: 10/09/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG641671-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	10/07/13 09:31	10/08/13 13:25	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	10/07/13 09:31	10/08/13 13:25	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/07/13 09:31	10/08/13 13:25	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/07/13 09:31	10/08/13 13:25	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	10/07/13 09:31	10/08/13 13:25	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	10/07/13 09:31	10/08/13 13:25	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	10/07/13 09:31	10/08/13 13:25	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	10/07/13 09:31	10/08/13 13:25	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	10/07/13 09:31	10/08/13 13:25	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	10/07/13 09:31	10/08/13 13:25	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	10/07/13 09:31	10/08/13 13:25	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	10/07/13 09:31	10/08/13 13:25	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG641716-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/07/13 10:56	10/08/13 11:33	1,7471B	BC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1319901

Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG641671-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	100		-		81-119	-		
Barium, Total	96		-		83-118	-		
Beryllium, Total	98		-		83-117	-		
Cadmium, Total	94		-		82-117	-		
Chromium, Total	101		-		80-119	-		
Copper, Total	101		-		83-117	-		
Lead, Total	100		-		80-120	-		
Manganese, Total	105		-		83-117	-		
Nickel, Total	99		-		82-117	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	104		-		66-134	-		
Zinc, Total	100		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG641716-2 SRM Lot Number: 0518-10-02								
Mercury, Total	127		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG641671-4 QC Sample: L1319813-01 Client ID: MS Sample												
Arsenic, Total	4.5	10.5	15	100		-	-		75-125	-		35
Barium, Total	70.	175	260	108		-	-		75-125	-		35
Beryllium, Total	0.43	4.38	4.9	112		-	-		75-125	-		35
Cadmium, Total	0.65J	4.47	5.0	112		-	-		75-125	-		35
Chromium, Total	24.	17.5	48	**137**	Q	-	-		75-125	-		35
Copper, Total	32.	21.9	62	**137**	Q	-	-		75-125	-		35
Lead, Total	61.	44.7	120	**132**	Q	-	-		75-125	-		35
Manganese, Total	500	43.8	670	**388**	Q	-	-		75-125	-		35
Nickel, Total	41.	43.8	82	94		-	-		75-125	-		35
Selenium, Total	0.35J	10.5	9.7	92		-	-		75-125	-		35
Silver, Total	ND	26.3	26	99		-	-		75-125	-		35
Zinc, Total	62.	43.8	110	110		-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG641716-4 QC Sample: L1319906-01 Client ID: MS Sample												
Mercury, Total	0.08	0.161	0.29	130		-	-		70-130	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG641671-3 QC Sample: L1319813-01 Client ID: DUP Sample						
Arsenic, Total	4.5	4.2	mg/kg	7		35
Barium, Total	70.	72	mg/kg	3		35
Beryllium, Total	0.43	0.45	mg/kg	5		35
Cadmium, Total	0.65J	0.62J	mg/kg	NC		35
Chromium, Total	24.	24	mg/kg	0		35
Copper, Total	32.	35	mg/kg	9		35
Lead, Total	61.	61	mg/kg	0		35
Manganese, Total	500	570	mg/kg	13		35
Nickel, Total	41.	42	mg/kg	2		35
Selenium, Total	0.35J	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	62.	64	mg/kg	3		35
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG641716-3 QC Sample: L1319906-01 Client ID: DUP Sample						
Mercury, Total	0.08	0.04J	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

SAMPLE RESULTS

Lab ID: L1319901-01
Client ID: EP-1
Sample Location: 92 W. TREMONT AVE. BRONX, NY
Matrix: Soil

Date Collected: 10/04/13 09:00
Date Received: 10/04/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	48		mg/kg	0.88	0.88	1	-	10/09/13 10:51	107,-	JO
Solids, Total	91.2		%	0.100	NA	1	-	10/05/13 02:11	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	10/06/13 14:25	10/07/13 14:43	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.88	0.20	1	10/07/13 23:00	10/08/13 05:21	1,7196A	JT

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1319901
Report Date: 10/09/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG641588-1										
Cyanide, Total	ND		mg/kg	0.85	0.20	1	10/06/13 14:25	10/07/13 14:32	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG641927-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.18	1	10/07/13 23:00	10/08/13 05:09	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1319901

Report Date: 10/09/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG641588-4 WG641588-5								
Cyanide, Total	99		91		80-120	8		35
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG641927-2								
Chromium, Hexavalent	102		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG641588-3 WG641588-2 QC Sample: L1319813-01 Client ID: MS Sample												
Cyanide, Total	ND	10	9.2	87		9.9	91		65-135	7		35
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG641927-5 QC Sample: L1319901-01 Client ID: EP-1												
Chromium, Hexavalent	ND	1240	1200	96		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG641479-1 QC Sample: L1319813-01 Client ID: DUP Sample						
Solids, Total	87.5	87.8	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG641927-4 QC Sample: L1319901-01 Client ID: EP-1						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1319901
Report Date: 10/09/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1319901-01A	Amber 120ml unpreserved	A	N/A	5.3	Y	Absent	NYTCL-8260(14)
L1319901-01B	Amber 250ml unpreserved	A	N/A	5.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)
L1319901-01C	Amber 250ml unpreserved	A	N/A	5.3	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),NYTCL-8082(14),CD-TI(180),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name:	92 WEST TREMONT	**Lab Number:**	L1319901
Project Number:	2166-06	**Report Date:**	10/09/13

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with "J" Qualifiers

Project Name:	92 WEST TREMONT	**Lab Number:**	L1319901
Project Number:	2166-06	**Report Date:**	10/09/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with "J" Qualifiers

Project Name:	92 WEST TREMONT	**Lab Number:**	L1319901
Project Number:	2166-06	**Report Date:**	10/09/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised October 1, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

L1319901

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1

LAB NAME: ALPHA

RECEIVED DATE: 10-4-13

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst AND~~ B. HERNANDEZ
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: ~~Analyst~~BHERNANDEZ@impactenvironmental.com AND @impactenvironmental.com

Project Information

Project Name: 92 WEST TREMONT
Street: 92 W. TREMONT AVE
City: BRONX **State:** NY **Zip:**
Project #: 2166-06
Sampler's Name: B. HERNANDEZ
Sampler's Signature: Bryan Mer

Sample Containers

LAB SAMPLE # (LAB USE ONLY)	Sample Information: Sample ID	Sample Collection: Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	Number of Each Preserved Bottle: None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	PACKAGE A (NYPart 375 only)	VOCs 8260 (NY PART 375 only)					
19901.1	1 EP-1	S	G	10/4/13	9AM	3		X										X	X					
	2																							
	3																							
	4																							
	5																							
	6																							
	7																							
	8																							
	9																							
	10																							

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

Turnaround Time (Business Days)

- [X] Standard → 3 DAY STD TAT
- [ ] 5 Day *RUSH* AS PER CONTRACT
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH* DUE BY
- [ ] 2 Day *RUSH* 10/9/13
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

* Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Bryan Mer	10-4-13 17:10	1	2	10/4/13 1830	2 Tom Tafen 10/4/13 1830
3	Tom Tafen	10/4/13 2310	3 Frankford Scott	4		4
5		5	5	COOLER INFORMATION: Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)		

Updated March 2011

ANALYTICAL REPORT

Lab Number:	L1513573
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	2166-06-02-2000
Project Number:	2166-06-02-2000
Report Date:	06/22/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 2166-06-02-2000
Project Number: 2166-06-02-2000

Lab Number: L1513573
Report Date: 06/22/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1513573-01	EP-10 61215	SOIL	92 WEST TREMONT AVE, BRONX, NY	06/12/15 11:00	06/17/15
L1513573-02	EP-11 61215	SOIL	92 WEST TREMONT AVE, BRONX, NY	06/12/15 11:00	06/17/15

Project Name:	2166-06-02-2000	**Lab Number:**	L1513573
Project Number:	2166-06-02-2000	**Report Date:**	06/22/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	2166-06-02-2000	**Lab Number:**	L1513573
Project Number:	2166-06-02-2000	**Report Date:**	06/22/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/22/15

ORGANICS

PESTICIDES

Project Name: 2166-06-02-2000 **Lab Number:** L1513573

Project Number: 2166-06-02-2000 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513573-01	Date Collected:	06/12/15 11:00
Client ID:	EP-10 61215	Date Received:	06/17/15
Sample Location:	92 WEST TREMONT AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/18/15 02:49
Analytical Date:	06/19/15 18:37	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	06/18/15
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.771	0.345	1	A
Alpha-BHC	ND		ug/kg	0.771	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.702	1	A
Heptachlor	ND		ug/kg	0.926	0.415	1	A
Aldrin	ND		ug/kg	1.85	0.652	1	A
Endrin	ND		ug/kg	0.771	0.316	1	A
Dieldrin	ND		ug/kg	1.16	0.578	1	A
4,4'-DDE	10.6		ug/kg	1.85	0.428	1	A
4,4'-DDD	0.741	JPI	ug/kg	1.85	0.660	1	B
4,4'-DDT	22.8		ug/kg	3.47	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.619	1	A
Endosulfan sulfate	ND		ug/kg	0.771	0.367	1	A
cis-Chlordane	ND		ug/kg	2.31	0.645	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: 2166-06-02-2000 **Lab Number:** L1513573

Project Number: 2166-06-02-2000 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513573-02	Date Collected:	06/12/15 11:00
Client ID:	EP-11 61215	Date Received:	06/17/15
Sample Location:	92 WEST TREMONT AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/18/15 02:49
Analytical Date:	06/19/15 18:50	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	06/18/15
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.354	1	A
Lindane	ND		ug/kg	0.753	0.337	1	A
Alpha-BHC	ND		ug/kg	0.753	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.685	1	A
Heptachlor	0.590	JPI	ug/kg	0.904	0.405	1	A
Aldrin	ND		ug/kg	1.81	0.636	1	A
Endrin	ND		ug/kg	0.753	0.309	1	A
Dieldrin	21.2		ug/kg	1.13	0.565	1	B
4,4'-DDE	21.1		ug/kg	1.81	0.418	1	A
4,4'-DDD	13.1		ug/kg	1.81	0.645	1	A
4,4'-DDT	201	E	ug/kg	3.39	1.45	1	A
Endosulfan I	ND		ug/kg	1.81	0.427	1	A
Endosulfan II	ND		ug/kg	1.81	0.604	1	A
Endosulfan sulfate	ND		ug/kg	0.753	0.358	1	A
cis-Chlordane	18.1		ug/kg	2.26	0.630	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	96		30-150	A

Project Name: 2166-06-02-2000 **Lab Number:** L1513573

Project Number: 2166-06-02-2000 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID:	L1513573-02 D	Date Collected:	06/12/15 11:00
Client ID:	EP-11 61215	Date Received:	06/17/15
Sample Location:	92 WEST TREMONT AVE, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	06/18/15 02:49
Analytical Date:	06/21/15 00:47	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	06/18/15
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	180		ug/kg	6.78	2.91	2	A

Project Name: 2166-06-02-2000 **Lab Number:** L1513573

Project Number: 2166-06-02-2000 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/18/15 21:12
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/18/15 02:49
Cleanup Method: EPA 3620B
Cleanup Date: 06/18/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG794715-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.283	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.634	0.302	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.4	5.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	95		30-150	B
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	72		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2166-06-02-2000

Project Number: 2166-06-02-2000

Lab Number: L1513573

Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG794715-2 WG794715-3									
Delta-BHC	105		103		30-150	2		30	A
Lindane	108		108		30-150	0		30	A
Alpha-BHC	116		117		30-150	1		30	A
Beta-BHC	108		103		30-150	5		30	A
Heptachlor	108		109		30-150	1		30	A
Aldrin	115		116		30-150	1		30	A
Heptachlor epoxide	104		104		30-150	0		30	A
Endrin	116		112		30-150	4		30	A
Endrin ketone	100		97		30-150	3		30	A
Dieldrin	116		116		30-150	0		30	A
4,4'-DDE	110		110		30-150	0		30	A
4,4'-DDD	126		126		30-150	0		30	A
4,4'-DDT	115		114		30-150	1		30	A
Endosulfan I	102		96		30-150	6		30	A
Endosulfan II	105		104		30-150	1		30	A
Endosulfan sulfate	94		92		30-150	2		30	A
Methoxychlor	107		103		30-150	4		30	A
cis-Chlordane	105		105		30-150	0		30	A
trans-Chlordane	107		106		30-150	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2166-06-02-2000

Project Number: 2166-06-02-2000

Lab Number: L1513573

Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG794715-2 WG794715-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		100		30-150	B
Decachlorobiphenyl	93		108		30-150	B
2,4,5,6-Tetrachloro-m-xylene	99		98		30-150	A
Decachlorobiphenyl	75		83		30-150	A

METALS

Project Name: 2166-06-02-2000 **Lab Number:** L1513573

Project Number: 2166-06-02-2000 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513573-01 Date Collected: 06/12/15 11:00

Client ID: EP-10 61215 Date Received: 06/17/15

Sample Location: 92 WEST TREMONT AVE, BRONX, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	10		mg/kg	0.46	0.09	1	06/18/15 03:21	06/22/15 16:29	EPA 3050B	1,6010C	MC
Barium, Total	200		mg/kg	0.46	0.14	1	06/18/15 03:21	06/22/15 16:29	EPA 3050B	1,6010C	MC
Beryllium, Total	0.32		mg/kg	0.23	0.05	1	06/18/15 03:21	06/22/15 16:29	EPA 3050B	1,6010C	MC
Cadmium, Total	0.97		mg/kg	0.46	0.03	1	06/18/15 03:21	06/22/15 16:29	EPA 3050B	1,6010C	MC
Chromium, Total	37		mg/kg	0.46	0.09	1	06/18/15 03:21	06/22/15 16:29	EPA 3050B	1,6010C	MC
Copper, Total	36		mg/kg	0.46	0.09	1	06/18/15 03:21	06/22/15 16:29	EPA 3050B	1,6010C	MC
Lead, Total	160		mg/kg	2.3	0.09	1	06/18/15 03:21	06/22/15 16:29	EPA 3050B	1,6010C	MC
Manganese, Total	320		mg/kg	0.46	0.09	1	06/18/15 03:21	06/22/15 16:29	EPA 3050B	1,6010C	MC
Mercury, Total	0.05	J	mg/kg	0.08	0.02	1	06/18/15 08:49	06/18/15 19:52	EPA 7471B	1,7471B	MC
Nickel, Total	25		mg/kg	1.2	0.18	1	06/18/15 03:21	06/22/15 16:29	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	0.93	0.14	1	06/18/15 03:21	06/22/15 16:29	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.46	0.09	1	06/18/15 03:21	06/22/15 16:29	EPA 3050B	1,6010C	MC
Zinc, Total	170		mg/kg	2.3	0.32	1	06/18/15 03:21	06/22/15 16:29	EPA 3050B	1,6010C	MC

Project Name: 2166-06-02-2000 **Lab Number:** L1513573

Project Number: 2166-06-02-2000 **Report Date:** 06/22/15

SAMPLE RESULTS

Lab ID: L1513573-02 Date Collected: 06/12/15 11:00

Client ID: EP-11 61215 Date Received: 06/17/15

Sample Location: 92 WEST TREMONT AVE, BRONX, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	8.6		mg/kg	0.45	0.09	1	06/18/15 03:21	06/22/15 16:33	EPA 3050B	1,6010C	MC
Barium, Total	400		mg/kg	0.45	0.14	1	06/18/15 03:21	06/22/15 16:33	EPA 3050B	1,6010C	MC
Beryllium, Total	0.15	J	mg/kg	0.23	0.05	1	06/18/15 03:21	06/22/15 16:33	EPA 3050B	1,6010C	MC
Cadmium, Total	0.46		mg/kg	0.45	0.03	1	06/18/15 03:21	06/22/15 16:33	EPA 3050B	1,6010C	MC
Chromium, Total	40		mg/kg	0.45	0.09	1	06/18/15 03:21	06/22/15 16:33	EPA 3050B	1,6010C	MC
Copper, Total	47		mg/kg	0.45	0.09	1	06/18/15 03:21	06/22/15 16:33	EPA 3050B	1,6010C	MC
Lead, Total	110		mg/kg	2.3	0.09	1	06/18/15 03:21	06/22/15 16:33	EPA 3050B	1,6010C	MC
Manganese, Total	300		mg/kg	0.45	0.09	1	06/18/15 03:21	06/22/15 16:33	EPA 3050B	1,6010C	MC
Mercury, Total	0.14		mg/kg	0.07	0.02	1	06/18/15 08:49	06/18/15 19:54	EPA 7471B	1,7471B	MC
Nickel, Total	22		mg/kg	1.1	0.18	1	06/18/15 03:21	06/22/15 16:33	EPA 3050B	1,6010C	MC
Selenium, Total	ND		mg/kg	0.91	0.14	1	06/18/15 03:21	06/22/15 16:33	EPA 3050B	1,6010C	MC
Silver, Total	ND		mg/kg	0.45	0.09	1	06/18/15 03:21	06/22/15 16:33	EPA 3050B	1,6010C	MC
Zinc, Total	340		mg/kg	2.3	0.32	1	06/18/15 03:21	06/22/15 16:33	EPA 3050B	1,6010C	MC

Project Name: 2166-06-02-2000 **Lab Number:** L1513573

Project Number: 2166-06-02-2000 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG794720-1										
Arsenic, Total	0.11	J	mg/kg	0.40	0.08	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	06/18/15 03:21	06/19/15 16:57	1,6010C	AB
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/18/15 03:21	06/18/15 14:28	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG794733-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/18/15 08:49	06/18/15 19:23	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2166-06-02-2000

Project Number: 2166-06-02-2000

Lab Number: L1513573

Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG794720-2 SRM Lot Number: D088-540								
Arsenic, Total	96		-		79-121	-		
Barium, Total	88		-		83-117	-		
Beryllium, Total	90		-		83-117	-		
Cadmium, Total	94		-		83-117	-		
Chromium, Total	92		-		80-120	-		
Copper, Total	98		-		81-118	-		
Lead, Total	89		-		81-117	-		
Manganese, Total	88		-		81-118	-		
Nickel, Total	92		-		83-117	-		
Selenium, Total	97		-		78-122	-		
Silver, Total	98		-		75-124	-		
Zinc, Total	88		-		82-118	-		
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG794733-2 SRM Lot Number: D088-540								
Mercury, Total	99		-		72-128	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 2166-06-02-2000
Project Number: 2166-06-02-2000

Lab Number: L1513573
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG794720-4 QC Sample: L1513607-01 Client ID: MS Sample												
Arsenic, Total	13.	9.66	22	93		-	-		75-125	-		20
Barium, Total	48.	161	220	107		-	-		75-125	-		20
Beryllium, Total	0.28J	4.03	4.1	102		-	-		75-125	-		20
Cadmium, Total	2.2	4.11	4.0	**44**	Q	-	-		75-125	-		20
Chromium, Total	240	16.1	280	**248**	Q	-	-		75-125	-		20
Copper, Total	2100	20.1	3600	**7450**	Q	-	-		75-125	-		20
Lead, Total	2900	41.1	2700	**0**	Q	-	-		75-125	-		20
Manganese, Total	3500	40.3	3700	**497**	Q	-	-		75-125	-		20
Nickel, Total	95.	40.3	110	**37**	Q	-	-		75-125	-		20
Selenium, Total	ND	9.66	5.5	**57**	Q	-	-		75-125	-		20
Silver, Total	0.84	24.2	31	125		-	-		75-125	-		20
Zinc, Total	120	40.3	180	**149**	Q	-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG794733-4 QC Sample: L1513586-01 Client ID: MS Sample												
Mercury, Total	0.81	0.157	0.92	**70**	Q	-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2166-06-02-2000
Project Number: 2166-06-02-2000

Lab Number: L1513573
Report Date: 06/22/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG794720-3 QC Sample: L1513607-01 Client ID: DUP Sample						
Lead, Total	2900	3000	mg/kg	3		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG794733-3 QC Sample: L1513586-01 Client ID: DUP Sample						
Mercury, Total	0.81	2.0	mg/kg	**85**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 2166-06-02-2000
Project Number: 2166-06-02-2000

Lab Number: L1513573
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513573-01
Client ID: EP-10 61215
Sample Location: 92 WEST TREMONT AVE, BRONX, NY
Matrix: Soil

Date Collected: 06/12/15 11:00
Date Received: 06/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	37		mg/kg	0.94	0.94	1	-	06/22/15 16:29	107,-	
Solids, Total	85.0		%	0.100	NA	1	-	06/18/15 01:58	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	06/18/15 09:20	06/18/15 14:04	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.94	0.19	1	06/19/15 10:00	06/21/15 12:55	1,7196A	JT

Project Name: 2166-06-02-2000
Project Number: 2166-06-02-2000

Lab Number: L1513573
Report Date: 06/22/15

SAMPLE RESULTS

Lab ID: L1513573-02
Client ID: EP-11 61215
Sample Location: 92 WEST TREMONT AVE, BRONX, NY
Matrix: Soil

Date Collected: 06/12/15 11:00
Date Received: 06/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	40		mg/kg	0.93	0.93	1	-	06/22/15 16:33	107,-	
Solids, Total	86.1		%	0.100	NA	1	-	06/18/15 01:58	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	06/18/15 09:20	06/18/15 14:06	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.93	0.18	1	06/19/15 10:00	06/21/15 12:56	1,7196A	JT

Project Name: 2166-06-02-2000 **Lab Number:** L1513573

Project Number: 2166-06-02-2000 **Report Date:** 06/22/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG794841-1										
Cyanide, Total	ND		mg/kg	0.86	0.20	1	06/18/15 09:20	06/18/15 13:59	1,9010C/9012B	ML
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG795215-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	06/19/15 10:00	06/21/15 12:48	1,7196A	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 2166-06-02-2000

Project Number: 2166-06-02-2000

Lab Number: L1513573

Report Date: 06/22/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG794841-2 WG794841-3								
Cyanide, Total	96		103		80-120	10		35
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG795215-2								
Chromium, Hexavalent	84		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 2166-06-02-2000
Project Number: 2166-06-02-2000

Lab Number: L1513573
Report Date: 06/22/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG794841-4 WG794841-5 QC Sample: L1513586-03 Client ID: MS Sample												
Cyanide, Total	ND	11	9.8	91		10	88		65-135	2		35
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG795215-4 QC Sample: L1513573-01 Client ID: EP-10 61215												
Chromium, Hexavalent	ND	1000	1100	110		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 2166-06-02-2000
Project Number: 2166-06-02-2000

Lab Number: L1513573
Report Date: 06/22/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG794707-1 QC Sample: L1513607-01 Client ID: DUP Sample						
Solids, Total	96.4	96.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG795215-6 QC Sample: L1513573-01 Client ID: EP-10 61215						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 2166-06-02-2000
Project Number: 2166-06-02-2000

Lab Number: L1513573
Report Date: 06/22/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513573-01A	Vial Large Septa unpreserved (4o	A	N/A	3.6	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)
L1513573-01B	Glass 250ml/8oz unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)
L1513573-01C	Glass 250ml/8oz unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)
L1513573-02A	Vial Large Septa unpreserved (4o	A	N/A	3.6	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)
L1513573-02B	Glass 250ml/8oz unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 2166-06-02-2000
Project Number: 2166-06-02-2000

Lab Number: L1513573
Report Date: 06/22/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1513573-02C	Glass 250ml/8oz unpreserved	A	N/A	3.6	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)

Container Comments

L1513573-01A

L1513573-02A

*Values in parentheses indicate holding time in days

Project Name:	2166-06-02-2000	**Lab Number:**	L1513573
Project Number:	2166-06-02-2000	**Report Date:**	06/22/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2166-06-02-2000	**Lab Number:**	L1513573
Project Number:	2166-06-02-2000	**Report Date:**	06/22/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2166-06-02-2000	**Lab Number:**	L1513573
Project Number:	2166-06-02-2000	**Report Date:**	06/22/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1513573

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1

LAB NAME: ALPHA

RECEIVED DATE: 6/17/15

Serial_No:06221517:41

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: B. Hernandez
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: BHernandez@impactenvironmental.com

Project Information

Project Name:
Street: 92 West Tremont Ave
City: Bronx **State:** NY **Zip:**
Project #: 2166-06-02-2000
Sampler's Name: B. Hernandez
Sampler's Signature:

Sample Information / Sample Collection / Sample Containers / Analytical Information

LAB SAMPLE # (LAB USE ONLY)		Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (CP51 Analite List)	Total Metals (NY Part 375)	Pesticides (NY Part 375)				(LAB USE ONLY)
01	1	EP-10 61215		S	G	6/4/15	1100	3		X										X	X				
02	2	EP-11 61215		S	G	6/4/15	1100	3		X										X	X				
	3																								
	4																								
	5																								
	6																								
	7																								
	8																								
	9																								
	10																								

Matrix Codes
L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1		6/17/15 11:45			6/17/15 1845	6-17-15 1840
2						
3		6/18/15 0030				
4						
5						

COOLER INFORMATION
Cooler Temp:_____ pH:_____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

ANALYTICAL REPORT

Lab Number:	L1323681
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	92 WEST TREMONT
Project Number:	2166-06
Report Date:	11/27/13

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323681
Report Date: 11/27/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1323681-01	EP 2	92 W. TREMONT BRONX, NY	11/14/13 09:00
L1323681-02	EP 3	92 W. TREMONT BRONX, NY	11/14/13 09:00
L1323681-03	EP 4	92 W. TREMONT BRONX, NY	11/14/13 09:00
L1323681-04	EP 5	92 W. TREMONT BRONX, NY	11/14/13 09:00

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323681
Report Date: 11/27/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	92 WEST TREMONT	**Lab Number:**	L1323681
Project Number:	2166-06	**Report Date:**	11/27/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Metals

The WG653840-4 MS recoveries, performed on L1323681-01, are below the acceptance criteria for arsenic (66%), barium (60%), beryllium (67%), cadmium (59%), lead (72%), nickel (69%), selenium (60%), silver (72%), and zinc (55%). A post digestion spike was performed with unacceptable recoveries for arsenic (63%), barium (63%), beryllium (66%), cadmium (58%), lead (64%), nickel (61%), selenium (62%), silver (68%), and zinc (49%). This has been attributed to sample matrix.

The WG653840-4 MS recovery for manganese (167%), performed on L1323681-01, does not apply because the sample concentration is greater than four times the spike amount added.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 11/27/13

ORGANICS

PESTICIDES

Project Name: 92 WEST TREMONT **Lab Number:** L1323681

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323681-01	Date Collected:	11/14/13 09:00
Client ID:	EP 2	Date Received:	11/20/13
Sample Location:	92 W. TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	11/21/13 16:56
Analytical Date:	11/22/13 19:36	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	11/22/13
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.338	1	A
Lindane	ND		ug/kg	0.719	0.322	1	A
Alpha-BHC	ND		ug/kg	0.719	0.204	1	A
Beta-BHC	ND		ug/kg	1.73	0.655	1	A
Heptachlor	ND		ug/kg	0.863	0.387	1	A
Aldrin	ND		ug/kg	1.73	0.608	1	A
Endrin	ND		ug/kg	0.719	0.295	1	A
Dieldrin	ND		ug/kg	1.08	0.540	1	A
4,4'-DDE	1.42	J	ug/kg	1.73	0.399	1	A
4,4'-DDD	ND		ug/kg	1.73	0.616	1	A
4,4'-DDT	6.14		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.408	1	A
Endosulfan II	ND		ug/kg	1.73	0.577	1	A
Endosulfan sulfate	ND		ug/kg	0.719	0.329	1	A
cis-Chlordane	ND		ug/kg	2.16	0.601	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323681

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323681-01	Date Collected:	11/14/13 09:00
Client ID:	EP 2	Date Received:	11/20/13
Sample Location:	92 W. TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	11/22/13 19:03
Analytical Date:	11/26/13 09:19	Methylation Date:	11/22/13 20:29
Analyst:	SH		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	178	9.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	122		30-150	A
DCAA	38		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323681

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323681-02	Date Collected:	11/14/13 09:00
Client ID:	EP 3	Date Received:	11/20/13
Sample Location:	92 W. TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	11/21/13 16:56
Analytical Date:	11/22/13 19:49	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	11/22/13
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.61	0.315	1	A
Lindane	ND		ug/kg	0.671	0.300	1	A
Alpha-BHC	ND		ug/kg	0.671	0.190	1	A
Beta-BHC	ND		ug/kg	1.61	0.611	1	A
Heptachlor	ND		ug/kg	0.805	0.361	1	A
Aldrin	ND		ug/kg	1.61	0.567	1	A
Endrin	ND		ug/kg	0.671	0.275	1	A
Dieldrin	2.77	PI	ug/kg	1.01	0.503	1	A
4,4'-DDE	60.5		ug/kg	1.61	0.372	1	B
4,4'-DDD	24.7		ug/kg	1.61	0.574	1	B
4,4'-DDT	297	E	ug/kg	3.02	1.30	1	A
Endosulfan I	ND		ug/kg	1.61	0.380	1	A
Endosulfan II	ND		ug/kg	1.61	0.538	1	A
Endosulfan sulfate	ND		ug/kg	0.671	0.307	1	A
cis-Chlordane	ND		ug/kg	2.01	0.561	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323681

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323681-02	Date Collected:	11/14/13 09:00
Client ID:	EP 3	Date Received:	11/20/13
Sample Location:	92 W. TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	11/22/13 19:03
Analytical Date:	11/26/13 09:39	Methylation Date:	11/22/13 20:29
Analyst:	SH		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	177	9.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	113		30-150	A
DCAA	49		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323681

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323681-02 D	Date Collected:	11/14/13 09:00
Client ID:	EP 3	Date Received:	11/20/13
Sample Location:	92 W. TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	11/21/13 16:56
Analytical Date:	11/26/13 23:50	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	11/22/13
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	364		ug/kg	15.1	6.48	5	A

Project Name: 92 WEST TREMONT **Lab Number:** L1323681

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323681-03	Date Collected:	11/14/13 09:00
Client ID:	EP 4	Date Received:	11/20/13
Sample Location:	92 W. TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	11/21/13 16:56
Analytical Date:	11/22/13 20:02	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	11/22/13
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.319	1	A
Lindane	ND		ug/kg	0.678	0.303	1	A
Alpha-BHC	ND		ug/kg	0.678	0.192	1	A
Beta-BHC	ND		ug/kg	1.63	0.617	1	A
Heptachlor	ND		ug/kg	0.814	0.365	1	A
Aldrin	ND		ug/kg	1.63	0.573	1	A
Endrin	ND		ug/kg	0.678	0.278	1	A
Dieldrin	ND		ug/kg	1.02	0.508	1	A
4,4'-DDE	6.12		ug/kg	1.63	0.376	1	A
4,4'-DDD	1.29	J	ug/kg	1.63	0.580	1	B
4,4'-DDT	37.6		ug/kg	3.05	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.384	1	A
Endosulfan II	ND		ug/kg	1.63	0.544	1	A
Endosulfan sulfate	ND		ug/kg	0.678	0.310	1	A
cis-Chlordane	ND		ug/kg	2.03	0.567	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323681

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323681-03	Date Collected:	11/14/13 09:00
Client ID:	EP 4	Date Received:	11/20/13
Sample Location:	92 W. TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	11/22/13 19:03
Analytical Date:	11/26/13 13:18	Methylation Date:	11/22/13 20:29
Analyst:	SH		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	175	9.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	62		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323681

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323681-04	Date Collected:	11/14/13 09:00
Client ID:	EP 5	Date Received:	11/20/13
Sample Location:	92 W. TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	11/21/13 16:57
Analytical Date:	11/27/13 00:54	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	11/22/13
Percent Solids:	98%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.56	0.305	1	A
Lindane	ND		ug/kg	0.649	0.290	1	A
Alpha-BHC	ND		ug/kg	0.649	0.184	1	A
Beta-BHC	ND		ug/kg	1.56	0.590	1	A
Heptachlor	ND		ug/kg	0.778	0.349	1	A
Aldrin	ND		ug/kg	1.56	0.548	1	A
Endrin	ND		ug/kg	0.649	0.266	1	A
Dieldrin	5.59		ug/kg	0.973	0.486	1	B
4,4'-DDE	36.8		ug/kg	1.56	0.360	1	A
4,4'-DDD	20.1		ug/kg	1.56	0.555	1	B
4,4'-DDT	226	E	ug/kg	2.92	1.25	1	B
Endosulfan I	ND		ug/kg	1.56	0.368	1	A
Endosulfan II	ND		ug/kg	1.56	0.520	1	A
Endosulfan sulfate	ND		ug/kg	0.649	0.296	1	A
cis-Chlordane	1.58	J	ug/kg	1.95	0.542	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323681

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323681-04	Date Collected:	11/14/13 09:00
Client ID:	EP 5	Date Received:	11/20/13
Sample Location:	92 W. TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	11/22/13 19:03
Analytical Date:	11/26/13 12:58	Methylation Date:	11/22/13 20:29
Analyst:	SH		
Percent Solids:	98%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	169	9.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	117		30-150	A
DCAA	71		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323681

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323681-04 D	Date Collected:	11/14/13 09:00
Client ID:	EP 5	Date Received:	11/20/13
Sample Location:	92 W. TREMONT BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	11/21/13 16:57
Analytical Date:	11/27/13 00:03	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	11/22/13
Percent Solids:	98%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	278		ug/kg	14.6	6.26	5	A

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323681
Report Date: 11/27/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/22/13 17:28
Analyst: SS

Extraction Method: EPA 3546
Extraction Date: 11/21/13 16:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 11/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG653637-1						
Delta-BHC	ND		ug/kg	1.50	0.294	A
Lindane	ND		ug/kg	0.626	0.280	A
Alpha-BHC	ND		ug/kg	0.626	0.178	A
Beta-BHC	ND		ug/kg	1.50	0.569	A
Heptachlor	ND		ug/kg	0.751	0.337	A
Aldrin	ND		ug/kg	1.50	0.529	A
Endrin	ND		ug/kg	0.626	0.256	A
Dieldrin	ND		ug/kg	0.939	0.469	A
4,4'-DDE	ND		ug/kg	1.50	0.347	A
4,4'-DDD	ND		ug/kg	1.50	0.536	A
4,4'-DDT	ND		ug/kg	2.82	1.21	A
Endosulfan I	ND		ug/kg	1.50	0.355	A
Endosulfan II	ND		ug/kg	1.50	0.502	A
Endosulfan sulfate	ND		ug/kg	0.626	0.286	A
cis-Chlordane	ND		ug/kg	1.88	0.523	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323681
Report Date: 11/27/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 11/26/13 06:40
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 11/22/13 19:03

Methylation Date: 11/22/13 20:29

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG653964-1						
2,4,5-TP (Silvex)	ND		ug/kg	165	9.11	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	50		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1323681

Report Date: 11/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG653637-2 WG653637-3									
Delta-BHC	76		64		30-150	17		30	A
Lindane	80		70		30-150	13		30	A
Alpha-BHC	79		70		30-150	12		30	A
Beta-BHC	79		70		30-150	12		30	A
Heptachlor	84		75		30-150	11		30	A
Aldrin	83		72		30-150	14		30	A
Heptachlor epoxide	78		69		30-150	12		30	A
Endrin	83		73		30-150	13		30	A
Endrin ketone	72		64		30-150	12		30	A
Dieldrin	84		74		30-150	13		30	A
4,4'-DDE	81		70		30-150	15		30	A
4,4'-DDD	83		72		30-150	14		30	A
4,4'-DDT	91		80		30-150	13		30	A
Endosulfan I	81		72		30-150	12		30	A
Endosulfan II	75		65		30-150	14		30	A
Endosulfan sulfate	69		59		30-150	16		30	A
Methoxychlor	96		84		30-150	13		30	A
cis-Chlordane	93		80		30-150	15		30	A
trans-Chlordane	81		71		30-150	13		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1323681

Report Date: 11/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG653637-2 WG653637-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		59		30-150	A
Decachlorobiphenyl	88		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		53		30-150	B
Decachlorobiphenyl	82		76		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1323681

Report Date: 11/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG653964-2 WG653964-3									
2,4-D	122		128		30-150	5		30	A
2,4,5-T	104		108		30-150	4		30	A
2,4,5-TP (Silvex)	102		108		30-150	6		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	99		109		30-150	A
DCAA	**22**	Q	61		30-150	B

METALS

Project Name: 92 WEST TREMONT
Lab Number: L1323681
Project Number: 2166-06
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323681-01
Client ID: EP 2
Sample Location: 92 W. TREMONT BRONX, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 11/14/13 09:00
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.6		mg/kg	0.43	0.09	1	11/22/13 11:22	11/22/13 22:45	EPA 3050B	1,6010C	MG
Barium, Total	200		mg/kg	0.43	0.13	1	11/22/13 11:22	11/22/13 22:45	EPA 3050B	1,6010C	MG
Beryllium, Total	0.12	J	mg/kg	0.21	0.04	1	11/22/13 11:22	11/22/13 22:45	EPA 3050B	1,6010C	MG
Cadmium, Total	0.77		mg/kg	0.43	0.03	1	11/22/13 11:22	11/22/13 22:45	EPA 3050B	1,6010C	MG
Chromium, Total	73		mg/kg	0.43	0.09	1	11/22/13 11:22	11/22/13 22:45	EPA 3050B	1,6010C	MG
Copper, Total	56		mg/kg	0.43	0.09	1	11/22/13 11:22	11/22/13 22:45	EPA 3050B	1,6010C	MG
Lead, Total	5.0		mg/kg	2.1	0.09	1	11/22/13 11:22	11/22/13 22:45	EPA 3050B	1,6010C	MG
Manganese, Total	520		mg/kg	0.43	0.09	1	11/22/13 11:22	11/22/13 22:45	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	11/25/13 10:01	11/25/13 14:37	EPA 7471B	1,7471B	MC
Nickel, Total	28		mg/kg	1.1	0.17	1	11/22/13 11:22	11/22/13 22:45	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	0.85	0.13	1	11/22/13 11:22	11/22/13 22:45	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.43	0.09	1	11/22/13 11:22	11/22/13 22:45	EPA 3050B	1,6010C	MG
Zinc, Total	77		mg/kg	2.1	0.30	1	11/22/13 11:22	11/22/13 22:45	EPA 3050B	1,6010C	MG

Project Name: 92 WEST TREMONT
Lab Number: L1323681
Project Number: 2166-06
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323681-02
Client ID: EP 3
Sample Location: 92 W. TREMONT BRONX, NY
Matrix: Soil
Percent Solids: 94%

Date Collected: 11/14/13 09:00
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.8		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:18	EPA 3050B	1,6010C	MG
Barium, Total	230		mg/kg	0.42	0.12	1	11/22/13 11:22	11/22/13 23:18	EPA 3050B	1,6010C	MG
Beryllium, Total	0.12	J	mg/kg	0.21	0.04	1	11/22/13 11:22	11/22/13 23:18	EPA 3050B	1,6010C	MG
Cadmium, Total	0.88		mg/kg	0.42	0.03	1	11/22/13 11:22	11/22/13 23:18	EPA 3050B	1,6010C	MG
Chromium, Total	54		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:18	EPA 3050B	1,6010C	MG
Copper, Total	45		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:18	EPA 3050B	1,6010C	MG
Lead, Total	39		mg/kg	2.1	0.08	1	11/22/13 11:22	11/22/13 23:18	EPA 3050B	1,6010C	MG
Manganese, Total	370		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:18	EPA 3050B	1,6010C	MG
Mercury, Total	0.07	J	mg/kg	0.08	0.02	1	11/25/13 10:01	11/25/13 14:39	EPA 7471B	1,7471B	MC
Nickel, Total	26		mg/kg	1.0	0.17	1	11/22/13 11:22	11/22/13 23:18	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	0.83	0.12	1	11/22/13 11:22	11/22/13 23:18	EPA 3050B	1,6010C	MG
Silver, Total	0.15	J	mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:18	EPA 3050B	1,6010C	MG
Zinc, Total	140		mg/kg	2.1	0.29	1	11/22/13 11:22	11/22/13 23:18	EPA 3050B	1,6010C	MG

Project Name: 92 WEST TREMONT
Lab Number: L1323681
Project Number: 2166-06
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323681-03
Client ID: EP 4
Sample Location: 92 W. TREMONT BRONX, NY
Matrix: Soil
Percent Solids: 94%

Date Collected: 11/14/13 09:00
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.2		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:22	EPA 3050B	1,6010C	MG
Barium, Total	160		mg/kg	0.42	0.13	1	11/22/13 11:22	11/22/13 23:22	EPA 3050B	1,6010C	MG
Beryllium, Total	0.16	J	mg/kg	0.21	0.04	1	11/22/13 11:22	11/22/13 23:22	EPA 3050B	1,6010C	MG
Cadmium, Total	0.76		mg/kg	0.42	0.03	1	11/22/13 11:22	11/22/13 23:22	EPA 3050B	1,6010C	MG
Chromium, Total	52		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:22	EPA 3050B	1,6010C	MG
Copper, Total	34		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:22	EPA 3050B	1,6010C	MG
Lead, Total	7.0		mg/kg	2.1	0.08	1	11/22/13 11:22	11/22/13 23:22	EPA 3050B	1,6010C	MG
Manganese, Total	580		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:22	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	11/25/13 10:01	11/25/13 14:45	EPA 7471B	1,7471B	MC
Nickel, Total	24		mg/kg	1.0	0.17	1	11/22/13 11:22	11/22/13 23:22	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	0.84	0.13	1	11/22/13 11:22	11/22/13 23:22	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:22	EPA 3050B	1,6010C	MG
Zinc, Total	75		mg/kg	2.1	0.30	1	11/22/13 11:22	11/22/13 23:22	EPA 3050B	1,6010C	MG

Project Name: 92 WEST TREMONT
Lab Number: L1323681
Project Number: 2166-06
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323681-04
Client ID: EP 5
Sample Location: 92 W. TREMONT BRONX, NY
Matrix: Soil
Percent Solids: 98%

Date Collected: 11/14/13 09:00
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.4		mg/kg	0.39	0.08	1	11/22/13 11:22	11/22/13 23:26	EPA 3050B	1,6010C	MG
Barium, Total	200		mg/kg	0.39	0.12	1	11/22/13 11:22	11/22/13 23:26	EPA 3050B	1,6010C	MG
Beryllium, Total	0.15	J	mg/kg	0.20	0.04	1	11/22/13 11:22	11/22/13 23:26	EPA 3050B	1,6010C	MG
Cadmium, Total	0.84		mg/kg	0.39	0.03	1	11/22/13 11:22	11/22/13 23:26	EPA 3050B	1,6010C	MG
Chromium, Total	30		mg/kg	0.39	0.08	1	11/22/13 11:22	11/22/13 23:26	EPA 3050B	1,6010C	MG
Copper, Total	47		mg/kg	0.39	0.08	1	11/22/13 11:22	11/22/13 23:26	EPA 3050B	1,6010C	MG
Lead, Total	140		mg/kg	2.0	0.08	1	11/22/13 11:22	11/22/13 23:26	EPA 3050B	1,6010C	MG
Manganese, Total	270		mg/kg	0.39	0.08	1	11/22/13 11:22	11/22/13 23:26	EPA 3050B	1,6010C	MG
Mercury, Total	0.19		mg/kg	0.08	0.02	1	11/25/13 10:01	11/25/13 14:47	EPA 7471B	1,7471B	MC
Nickel, Total	20		mg/kg	0.98	0.16	1	11/22/13 11:22	11/22/13 23:26	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	0.78	0.12	1	11/22/13 11:22	11/22/13 23:26	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.39	0.08	1	11/22/13 11:22	11/22/13 23:26	EPA 3050B	1,6010C	MG
Zinc, Total	190		mg/kg	2.0	0.27	1	11/22/13 11:22	11/22/13 23:26	EPA 3050B	1,6010C	MG

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1323681
Report Date: 11/27/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG653840-1										
Arsenic, Total	0.18	J	mg/kg	0.40	0.08	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG654239-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	11/25/13 10:01	11/25/13 13:44	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1323681

Report Date: 11/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG653840-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	90		-		81-119	-		
Barium, Total	92		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	88		-		80-119	-		
Copper, Total	92		-		83-117	-		
Lead, Total	88		-		80-120	-		
Manganese, Total	87		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	88		-		80-120	-		
Silver, Total	96		-		66-134	-		
Zinc, Total	88		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG654239-2 SRM Lot Number: 0518-10-02								
Mercury, Total	133		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323681
Report Date: 11/27/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG653840-4 QC Sample: L1323681-01 Client ID: EP 2												
Arsenic, Total	1.6	10	8.2	**66**	Q	-	-		75-125	-		35
Barium, Total	200	168	300	**60**	Q	-	-		75-125	-		35
Beryllium, Total	0.12J	4.19	2.8	**67**	Q	-	-		75-125	-		35
Cadmium, Total	0.77	4.27	3.3	**59**	Q	-	-		75-125	-		35
Chromium, Total	73.	16.8	88	89		-	-		75-125	-		35
Copper, Total	56.	21	74	86		-	-		75-125	-		35
Lead, Total	5.0	42.7	36	**72**	Q	-	-		75-125	-		35
Manganese, Total	520	41.9	590	**167**	Q	-	-		75-125	-		35
Nickel, Total	28.	41.9	57	**69**	Q	-	-		75-125	-		35
Selenium, Total	ND	10	6.0	**60**	Q	-	-		75-125	-		35
Silver, Total	ND	25.1	18	**72**	Q	-	-		75-125	-		35
Zinc, Total	77.	41.9	100	**55**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG654239-4 QC Sample: L1323936-12 Client ID: MS Sample												
Mercury, Total	0.04J	0.164	0.32	**195**	Q	-	-		80-120	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323681
Report Date: 11/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG653840-3 QC Sample: L1323681-01 Client ID: EP 2						
Arsenic, Total	1.6	1.6	mg/kg	0		35
Barium, Total	200	200	mg/kg	0		35
Beryllium, Total	0.12J	0.12J	mg/kg	NC		35
Cadmium, Total	0.77	0.75	mg/kg	3		35
Chromium, Total	73.	78	mg/kg	7		35
Copper, Total	56.	56	mg/kg	0		35
Lead, Total	5.0	6.1	mg/kg	20		35
Manganese, Total	520	510	mg/kg	2		35
Nickel, Total	28.	29	mg/kg	4		35
Selenium, Total	ND	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	77.	76	mg/kg	1		35
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG654239-3 QC Sample: L1323936-12 Client ID: DUP Sample						
Mercury, Total	0.04J	0.10	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1323681
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323681-01
Client ID: EP 2
Sample Location: 92 W. TREMONT BRONX, NY
Matrix: Soil
Date Collected: 11/14/13 09:00
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	73		mg/kg	0.87	0.87	1	-	11/26/13 13:52	107,-	JO
Solids, Total	92.0		%	0.100	NA	1	-	11/22/13 02:40	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	11/21/13 14:00	11/22/13 13:14	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	11/23/13 12:00	11/26/13 13:20	1,7196A	ST

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1323681
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323681-02
Client ID: EP 3
Sample Location: 92 W. TREMONT BRONX, NY
Matrix: Soil
Date Collected: 11/14/13 09:00
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	54		mg/kg	0.85	0.85	1	-	11/26/13 13:52	107,-	JO
Solids, Total	93.6		%	0.100	NA	1	-	11/22/13 02:40	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	11/21/13 14:00	11/22/13 13:15	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.85	0.17	1	11/23/13 12:00	11/26/13 13:20	1,7196A	ST

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1323681
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323681-03
Client ID: EP 4
Sample Location: 92 W. TREMONT BRONX, NY
Matrix: Soil
Date Collected: 11/14/13 09:00
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	52		mg/kg	0.85	0.85	1	-	11/26/13 13:52	107,-	JO
Solids, Total	93.7		%	0.100	NA	1	-	11/22/13 02:40	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	11/21/13 14:00	11/22/13 13:16	1,9010C/9012A	JO
Chromium, Hexavalent	0.21	J	mg/kg	0.85	0.17	1	11/23/13 12:00	11/26/13 13:20	1,7196A	ST

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323681
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323681-04
Client ID: EP 5
Sample Location: 92 W. TREMONT BRONX, NY
Matrix: Soil

Date Collected: 11/14/13 09:00
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	30		mg/kg	0.82	0.82	1	-	11/26/13 13:52	107,-	JO
Solids, Total	98.0		%	0.100	NA	1	-	11/22/13 02:40	30,2540G	RT
Cyanide, Total	ND		mg/kg	0.98	0.23	1	11/21/13 14:00	11/22/13 13:17	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.82	0.16	1	11/23/13 12:00	11/26/13 13:21	1,7196A	ST

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1323681
Report Date: 11/27/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG653545-1										
Cyanide, Total	ND		mg/kg	0.95	0.22	1	11/21/13 14:00	11/22/13 13:01	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG654085-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	11/23/13 12:00	11/26/13 13:16	1,7196A	ST

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1323681

Report Date: 11/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG653545-2 WG653545-3								
Cyanide, Total	110		110		80-120	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG654085-2								
Chromium, Hexavalent	106		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323681
Report Date: 11/27/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG653545-4 WG653545-5 QC Sample: L1323670-11 Client ID: MS Sample												
Cyanide, Total	ND	9.4	9.5	100		10	100		65-135	5		35
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG654085-4 QC Sample: L1323684-02 Client ID: MS Sample												
Chromium, Hexavalent	ND	870	880	100		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323681
Report Date: 11/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG653715-1 QC Sample: L1323670-01 Client ID: DUP Sample						
Solids, Total	89.1	89.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG654085-6 QC Sample: L1323684-02 Client ID: DUP Sample						
Chromium, Hexavalent	ND	0.21J	mg/kg	NC		20

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323681
Report Date: 11/27/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1323681-01A	Glass 250ml unpreserved	A	N/A	3.9	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)
L1323681-02A	Glass 250ml unpreserved	A	N/A	3.9	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)
L1323681-03A	Glass 250ml unpreserved	A	N/A	3.9	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)
L1323681-04A	Glass 250ml unpreserved	A	N/A	3.9	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name:	92 WEST TREMONT	**Lab Number:**	L1323681
Project Number:	2166-06	**Report Date:**	11/27/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	92 WEST TREMONT	**Lab Number:**	L1323681
Project Number:	2166-06	**Report Date:**	11/27/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	92 WEST TREMONT	**Lab Number:**	L1323681
Project Number:	2166-06	**Report Date:**	11/27/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised November 12, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease. **EPA 9060** in a soil matrix.

revised 11/27/13 CW

L 1323681

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1

LAB NAME: Alpha

RECEIVED DATE:

Serial No 11271315

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst AND~~ Ben Hernandez
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: Analyst@impactenvironmental.com AND BHernandez@impactenvironmental.com

Project Information

Project Name: 92 West Tremont
Street: 92 W Tremont
City: Bronx **State:** NY **Zip:**
Project #: 2166-06
Sampler's Name: Stuart Mark
Sampler's Signature: Stuart Mark

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample Type	Time	Total # of bottles	None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	Total Metals (List for NY Part 375)	Pesticides (List for NY Part 375)	Silvex			
-01	1 EP 2	S	G	11/14	9:00	1												X	X	X			
-02	2 EP 3	S	G			1												X	X	X			
-03	3 EP 4	S	G			1												X	X	X			
-04	4 EP 5	S	G			1												X	X	X			
	5																						
	6																						
	7																						
	8																						
	9																						
	10																						

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

- [ ] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Stuart Mark	11-20-13 16:30	Stuart Mark 11:21	Stuart Mark	11-20-13 1801	Tom Toher 11-20-13 1801
3	Tom Toher	11-20-13 01:15				
5						

COOLER INFORMATION
Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

L 1323681

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716 Page 1 of 1
(Tel.) 631-269-8800 (Fax) 631-269-1599

LAB NAME: Alpha

RECEIVED DATE:

Serial No 11271315

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst AND~~ Ben Hernandez
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: Analyst@impactenvironmental.com AND BHernandez@impactenvironmental.com

Project Information

Project Name: 92 West Tremont
Street: 92 W Tremont
City: Bronx **State:** NY **Zip:**
Project #: 2166-06
Sampler's Name: Stuart Mark
Sampler's Signature: Stuart Mark

Analytical Information

Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	Total Metals (NY Part 375 List)	Pesticides (NY Part 375 List)
					X	X
					X	X
					X	X
					X	X

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample Information: Sample ID	Sample Collection: Matrix Code	Sample Type	Sample Type	Time	Sample Containers: Total # of bottles	Number of Each Preserved Bottle: None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)
-01	1 EP 2	S	G	11/14	9:00	1						
-02	2 EP 3	S	G			1						
-03	3 EP 4	S	G			1						
-04	4 EP 5	S	G			1						
	5											
	6											
	7											
	8											
	9											
	10											

(LAB USE ONLY)

Turnaround Time (Business Days)

- [ ] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Stuart Mark	11-20-13 16:30	Stuart Mark 11:21	Stuart Mark	11-20-13 1801	Tom Toher 11-20-13 1801
2	Tom Toher	11-20-13 01:15				
3						
4						
5						

COOLER INFORMATION

Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

ANALYTICAL REPORT

Lab Number:	L1323682
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Ben Hernandez-Salazar
Phone:	(631) 269-8800
Project Name:	92 WEST TREMONT
Project Number:	2166-06
Report Date:	11/27/13

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1323682-01	EP 6	92 WEST TREMONT, BRONX, NY	11/14/13 09:10
L1323682-02	EP 7	92 WEST TREMONT, BRONX, NY	11/14/13 09:10
L1323682-03	EP 8	92 WEST TREMONT, BRONX, NY	11/14/13 09:10
L1323682-04	EP 9	92 WEST TREMONT, BRONX, NY	11/14/13 09:10

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	92 WEST TREMONT	**Lab Number:**	L1323682
Project Number:	2166-06	**Report Date:**	11/27/13

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 11/27/13

ORGANICS

PESTICIDES

Project Name: 92 WEST TREMONT **Lab Number:** L1323682

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323682-01	Date Collected:	11/14/13 09:10
Client ID:	EP 6	Date Received:	11/20/13
Sample Location:	92 WEST TREMONT, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	11/21/13 16:57
Analytical Date:	11/27/13 01:07	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	11/22/13
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.716	0.320	1	A
Alpha-BHC	ND		ug/kg	0.716	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.859	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.605	1	A
Endrin	ND		ug/kg	0.716	0.294	1	A
Dieldrin	5.35		ug/kg	1.07	0.537	1	A
4,4'-DDE	48.6		ug/kg	1.72	0.398	1	A
4,4'-DDD	27.1		ug/kg	1.72	0.613	1	B
4,4'-DDT	288	E	ug/kg	3.22	1.38	1	B
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.574	1	A
Endosulfan sulfate	ND		ug/kg	0.716	0.327	1	A
cis-Chlordane	2.40		ug/kg	2.15	0.599	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323682

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323682-01	Date Collected:	11/14/13 09:10
Client ID:	EP 6	Date Received:	11/20/13
Sample Location:	92 WEST TREMONT, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	11/22/13 19:03
Analytical Date:	11/26/13 12:38	Methylation Date:	11/22/13 20:29
Analyst:	SH		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	179	9.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	115		30-150	A
DCAA	38		30-150	B

Project Name: 92 WEST TREMONT
Lab Number: L1323682
Project Number: 2166-06
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID:	L1323682-01 D	Date Collected:	11/14/13 09:10
Client ID:	EP 6	Date Received:	11/20/13
Sample Location:	92 WEST TREMONT, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	11/21/13 16:57
Analytical Date:	11/27/13 00:16	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	11/22/13
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	356		ug/kg	16.1	6.91	5	A

Project Name: 92 WEST TREMONT **Lab Number:** L1323682

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323682-02	Date Collected:	11/14/13 09:10
Client ID:	EP 7	Date Received:	11/20/13
Sample Location:	92 WEST TREMONT, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	11/21/13 16:57
Analytical Date:	11/22/13 16:50	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	11/22/13
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.340	1	A
Lindane	ND		ug/kg	0.723	0.323	1	A
Alpha-BHC	ND		ug/kg	0.723	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.658	1	A
Heptachlor	ND		ug/kg	0.867	0.389	1	A
Aldrin	ND		ug/kg	1.73	0.611	1	A
Endrin	ND		ug/kg	0.723	0.296	1	A
Dieldrin	ND		ug/kg	1.08	0.542	1	A
4,4'-DDE	ND		ug/kg	1.73	0.401	1	A
4,4'-DDD	ND		ug/kg	1.73	0.619	1	A
4,4'-DDT	2.22	J	ug/kg	3.25	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.410	1	A
Endosulfan II	ND		ug/kg	1.73	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.723	0.330	1	A
cis-Chlordane	ND		ug/kg	2.17	0.604	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323682

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323682-02	Date Collected:	11/14/13 09:10
Client ID:	EP 7	Date Received:	11/20/13
Sample Location:	92 WEST TREMONT, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	11/22/13 19:03
Analytical Date:	11/26/13 12:18	Methylation Date:	11/22/13 20:29
Analyst:	SH		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	194	10.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	53		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323682

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323682-03	Date Collected:	11/14/13 09:10
Client ID:	EP 8	Date Received:	11/20/13
Sample Location:	92 WEST TREMONT, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	11/21/13 16:57
Analytical Date:	11/26/13 23:38	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	11/22/13
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.325	1	A
Lindane	ND		ug/kg	0.692	0.309	1	A
Alpha-BHC	ND		ug/kg	0.692	0.196	1	A
Beta-BHC	ND		ug/kg	1.66	0.630	1	A
Heptachlor	ND		ug/kg	0.831	0.372	1	A
Aldrin	ND		ug/kg	1.66	0.585	1	A
Endrin	ND		ug/kg	0.692	0.284	1	A
Dieldrin	1.20		ug/kg	1.04	0.519	1	A
4,4'-DDE	2.58		ug/kg	1.66	0.384	1	A
4,4'-DDD	1.92		ug/kg	1.66	0.592	1	B
4,4'-DDT	7.14		ug/kg	3.12	1.34	1	B
Endosulfan I	ND		ug/kg	1.66	0.392	1	A
Endosulfan II	ND		ug/kg	1.66	0.555	1	A
Endosulfan sulfate	ND		ug/kg	0.692	0.316	1	A
cis-Chlordane	1.61	J	ug/kg	2.08	0.579	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323682

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323682-03	Date Collected:	11/14/13 09:10
Client ID:	EP 8	Date Received:	11/20/13
Sample Location:	92 WEST TREMONT, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	11/22/13 19:03
Analytical Date:	11/26/13 11:58	Methylation Date:	11/22/13 20:29
Analyst:	SH		
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	176	9.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	33		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323682

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323682-04	Date Collected:	11/14/13 09:10
Client ID:	EP 9	Date Received:	11/20/13
Sample Location:	92 WEST TREMONT, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	11/21/13 16:57
Analytical Date:	11/27/13 01:20	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	11/22/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.329	1	A
Lindane	ND		ug/kg	0.701	0.313	1	A
Alpha-BHC	ND		ug/kg	0.701	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.638	1	A
Heptachlor	ND		ug/kg	0.841	0.377	1	A
Aldrin	ND		ug/kg	1.68	0.592	1	A
Endrin	ND		ug/kg	0.701	0.287	1	A
Dieldrin	7.46		ug/kg	1.05	0.526	1	A
4,4'-DDE	55.8		ug/kg	1.68	0.389	1	A
4,4'-DDD	26.2		ug/kg	1.68	0.600	1	B
4,4'-DDT	298	E	ug/kg	3.15	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.397	1	A
Endosulfan II	ND		ug/kg	1.68	0.562	1	A
Endosulfan sulfate	ND		ug/kg	0.701	0.320	1	A
cis-Chlordane	2.45		ug/kg	2.10	0.586	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323682

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323682-04	Date Collected:	11/14/13 09:10
Client ID:	EP 9	Date Received:	11/20/13
Sample Location:	92 WEST TREMONT, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	11/22/13 19:03
Analytical Date:	11/26/13 11:38	Methylation Date:	11/22/13 20:29
Analyst:	SH		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	182	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	130		30-150	A
DCAA	40		30-150	B

Project Name: 92 WEST TREMONT **Lab Number:** L1323682

Project Number: 2166-06 **Report Date:** 11/27/13

SAMPLE RESULTS

Lab ID:	L1323682-04 D	Date Collected:	11/14/13 09:10
Client ID:	EP 9	Date Received:	11/20/13
Sample Location:	92 WEST TREMONT, BRONX, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	11/21/13 16:57
Analytical Date:	11/27/13 00:29	Cleanup Method1:	EPA 3620B
Analyst:	SS	Cleanup Date1:	11/22/13
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	312		ug/kg	15.8	6.76	5	A

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/22/13 17:28
Analyst: SS

Extraction Method: EPA 3546
Extraction Date: 11/21/13 16:56
Cleanup Method1: EPA 3620B
Cleanup Date1: 11/22/13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG653637-1						
Delta-BHC	ND		ug/kg	1.50	0.294	A
Lindane	ND		ug/kg	0.626	0.280	A
Alpha-BHC	ND		ug/kg	0.626	0.178	A
Beta-BHC	ND		ug/kg	1.50	0.569	A
Heptachlor	ND		ug/kg	0.751	0.337	A
Aldrin	ND		ug/kg	1.50	0.529	A
Endrin	ND		ug/kg	0.626	0.256	A
Dieldrin	ND		ug/kg	0.939	0.469	A
4,4'-DDE	ND		ug/kg	1.50	0.347	A
4,4'-DDD	ND		ug/kg	1.50	0.536	A
4,4'-DDT	ND		ug/kg	2.82	1.21	A
Endosulfan I	ND		ug/kg	1.50	0.355	A
Endosulfan II	ND		ug/kg	1.50	0.502	A
Endosulfan sulfate	ND		ug/kg	0.626	0.286	A
cis-Chlordane	ND		ug/kg	1.88	0.523	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 11/26/13 06:40
Analyst: SH

Extraction Method: EPA 8151A
Extraction Date: 11/22/13 19:03

Methylation Date: 11/22/13 20:29

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG653964-1						
2,4,5-TP (Silvex)	ND		ug/kg	165	9.11	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	50		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1323682

Report Date: 11/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG653637-2 WG653637-3									
Delta-BHC	76		64		30-150	17		30	A
Lindane	80		70		30-150	13		30	A
Alpha-BHC	79		70		30-150	12		30	A
Beta-BHC	79		70		30-150	12		30	A
Heptachlor	84		75		30-150	11		30	A
Aldrin	83		72		30-150	14		30	A
Heptachlor epoxide	78		69		30-150	12		30	A
Endrin	83		73		30-150	13		30	A
Endrin ketone	72		64		30-150	12		30	A
Dieldrin	84		74		30-150	13		30	A
4,4'-DDE	81		70		30-150	15		30	A
4,4'-DDD	83		72		30-150	14		30	A
4,4'-DDT	91		80		30-150	13		30	A
Endosulfan I	81		72		30-150	12		30	A
Endosulfan II	75		65		30-150	14		30	A
Endosulfan sulfate	69		59		30-150	16		30	A
Methoxychlor	96		84		30-150	13		30	A
cis-Chlordane	93		80		30-150	15		30	A
trans-Chlordane	81		71		30-150	13		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG653637-2 WG653637-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		59		30-150	A
Decachlorobiphenyl	88		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		53		30-150	B
Decachlorobiphenyl	82		76		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1323682

Report Date: 11/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG653964-2 WG653964-3									
2,4-D	122		128		30-150	5		30	A
2,4,5-T	104		108		30-150	4		30	A
2,4,5-TP (Silvex)	102		108		30-150	6		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	99		109		30-150	A
DCAA	**22**	Q	61		30-150	B

METALS

Project Name: 92 WEST TREMONT
Lab Number: L1323682
Project Number: 2166-06
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323682-01
Client ID: EP 6
Sample Location: 92 WEST TREMONT, BRONX, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 11/14/13 09:10
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.2		mg/kg	0.41	0.08	1	11/22/13 11:22	11/22/13 23:30	EPA 3050B	1,6010C	MG
Barium, Total	220		mg/kg	0.41	0.12	1	11/22/13 11:22	11/22/13 23:30	EPA 3050B	1,6010C	MG
Beryllium, Total	0.16	J	mg/kg	0.21	0.04	1	11/22/13 11:22	11/22/13 23:30	EPA 3050B	1,6010C	MG
Cadmium, Total	0.88		mg/kg	0.41	0.03	1	11/22/13 11:22	11/22/13 23:30	EPA 3050B	1,6010C	MG
Chromium, Total	31		mg/kg	0.41	0.08	1	11/22/13 11:22	11/22/13 23:30	EPA 3050B	1,6010C	MG
Copper, Total	40		mg/kg	0.41	0.08	1	11/22/13 11:22	11/22/13 23:30	EPA 3050B	1,6010C	MG
Lead, Total	99		mg/kg	2.1	0.08	1	11/22/13 11:22	11/22/13 23:30	EPA 3050B	1,6010C	MG
Manganese, Total	280		mg/kg	0.41	0.08	1	11/22/13 11:22	11/22/13 23:30	EPA 3050B	1,6010C	MG
Mercury, Total	0.18		mg/kg	0.08	0.02	1	11/25/13 10:01	11/25/13 14:49	EPA 7471B	1,7471B	MC
Nickel, Total	19		mg/kg	1.0	0.16	1	11/22/13 11:22	11/22/13 23:30	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	0.83	0.12	1	11/22/13 11:22	11/22/13 23:30	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.41	0.08	1	11/22/13 11:22	11/22/13 23:30	EPA 3050B	1,6010C	MG
Zinc, Total	210		mg/kg	2.1	0.29	1	11/22/13 11:22	11/22/13 23:30	EPA 3050B	1,6010C	MG

Project Name: 92 WEST TREMONT
Lab Number: L1323682
Project Number: 2166-06
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323682-02
Client ID: EP 7
Sample Location: 92 WEST TREMONT, BRONX, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 11/14/13 09:10
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.1		mg/kg	0.44	0.09	1	11/22/13 11:22	11/22/13 23:34	EPA 3050B	1,6010C	MG
Barium, Total	87		mg/kg	0.44	0.13	1	11/22/13 11:22	11/22/13 23:34	EPA 3050B	1,6010C	MG
Beryllium, Total	0.32		mg/kg	0.22	0.04	1	11/22/13 11:22	11/22/13 23:34	EPA 3050B	1,6010C	MG
Cadmium, Total	0.42	J	mg/kg	0.44	0.03	1	11/22/13 11:22	11/22/13 23:34	EPA 3050B	1,6010C	MG
Chromium, Total	20		mg/kg	0.44	0.09	1	11/22/13 11:22	11/22/13 23:34	EPA 3050B	1,6010C	MG
Copper, Total	16		mg/kg	0.44	0.09	1	11/22/13 11:22	11/22/13 23:34	EPA 3050B	1,6010C	MG
Lead, Total	26		mg/kg	2.2	0.09	1	11/22/13 11:22	11/22/13 23:34	EPA 3050B	1,6010C	MG
Manganese, Total	390		mg/kg	0.44	0.09	1	11/22/13 11:22	11/22/13 23:34	EPA 3050B	1,6010C	MG
Mercury, Total	0.13		mg/kg	0.08	0.02	1	11/25/13 10:01	11/25/13 14:51	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	1.1	0.18	1	11/22/13 11:22	11/22/13 23:34	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	0.89	0.13	1	11/22/13 11:22	11/22/13 23:34	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.44	0.09	1	11/22/13 11:22	11/22/13 23:34	EPA 3050B	1,6010C	MG
Zinc, Total	47		mg/kg	2.2	0.31	1	11/22/13 11:22	11/22/13 23:34	EPA 3050B	1,6010C	MG

Project Name: 92 WEST TREMONT
Lab Number: L1323682
Project Number: 2166-06
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323682-03
Client ID: EP 8
Sample Location: 92 WEST TREMONT, BRONX, NY
Matrix: Soil
Percent Solids: 93%

Date Collected: 11/14/13 09:10
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.6		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:37	EPA 3050B	1,6010C	MG
Barium, Total	97		mg/kg	0.42	0.12	1	11/22/13 11:22	11/22/13 23:37	EPA 3050B	1,6010C	MG
Beryllium, Total	0.21		mg/kg	0.21	0.04	1	11/22/13 11:22	11/22/13 23:37	EPA 3050B	1,6010C	MG
Cadmium, Total	0.36	J	mg/kg	0.42	0.03	1	11/22/13 11:22	11/22/13 23:37	EPA 3050B	1,6010C	MG
Chromium, Total	12		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:37	EPA 3050B	1,6010C	MG
Copper, Total	17		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:37	EPA 3050B	1,6010C	MG
Lead, Total	42		mg/kg	2.1	0.08	1	11/22/13 11:22	11/22/13 23:37	EPA 3050B	1,6010C	MG
Manganese, Total	260		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:37	EPA 3050B	1,6010C	MG
Mercury, Total	0.02	J	mg/kg	0.09	0.02	1	11/25/13 10:01	11/25/13 14:53	EPA 7471B	1,7471B	MC
Nickel, Total	9.4		mg/kg	1.0	0.17	1	11/22/13 11:22	11/22/13 23:37	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	0.83	0.12	1	11/22/13 11:22	11/22/13 23:37	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.42	0.08	1	11/22/13 11:22	11/22/13 23:37	EPA 3050B	1,6010C	MG
Zinc, Total	80		mg/kg	2.1	0.29	1	11/22/13 11:22	11/22/13 23:37	EPA 3050B	1,6010C	MG

Project Name: 92 WEST TREMONT
Lab Number: L1323682
Project Number: 2166-06
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323682-04
Client ID: EP 9
Sample Location: 92 WEST TREMONT, BRONX, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 11/14/13 09:10
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.8		mg/kg	0.43	0.09	1	11/22/13 11:22	11/22/13 23:41	EPA 3050B	1,6010C	MG
Barium, Total	220		mg/kg	0.43	0.13	1	11/22/13 11:22	11/22/13 23:41	EPA 3050B	1,6010C	MG
Beryllium, Total	0.17	J	mg/kg	0.21	0.04	1	11/22/13 11:22	11/22/13 23:41	EPA 3050B	1,6010C	MG
Cadmium, Total	0.83		mg/kg	0.43	0.03	1	11/22/13 11:22	11/22/13 23:41	EPA 3050B	1,6010C	MG
Chromium, Total	29		mg/kg	0.43	0.09	1	11/22/13 11:22	11/22/13 23:41	EPA 3050B	1,6010C	MG
Copper, Total	39		mg/kg	0.43	0.09	1	11/22/13 11:22	11/22/13 23:41	EPA 3050B	1,6010C	MG
Lead, Total	88		mg/kg	2.1	0.09	1	11/22/13 11:22	11/22/13 23:41	EPA 3050B	1,6010C	MG
Manganese, Total	290		mg/kg	0.43	0.09	1	11/22/13 11:22	11/22/13 23:41	EPA 3050B	1,6010C	MG
Mercury, Total	0.17		mg/kg	0.08	0.02	1	11/25/13 10:01	11/25/13 14:54	EPA 7471B	1,7471B	MC
Nickel, Total	19		mg/kg	1.1	0.17	1	11/22/13 11:22	11/22/13 23:41	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	0.85	0.13	1	11/22/13 11:22	11/22/13 23:41	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.43	0.09	1	11/22/13 11:22	11/22/13 23:41	EPA 3050B	1,6010C	MG
Zinc, Total	190		mg/kg	2.1	0.30	1	11/22/13 11:22	11/22/13 23:41	EPA 3050B	1,6010C	MG

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1323682
Report Date: 11/27/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG653840-1										
Arsenic, Total	0.18	J	mg/kg	0.40	0.08	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	11/22/13 11:22	11/22/13 22:38	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG654239-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	11/25/13 10:01	11/25/13 13:44	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1323682

Report Date: 11/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG653840-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	90		-		81-119	-		
Barium, Total	92		-		83-118	-		
Beryllium, Total	92		-		83-117	-		
Cadmium, Total	89		-		82-117	-		
Chromium, Total	88		-		80-119	-		
Copper, Total	92		-		83-117	-		
Lead, Total	88		-		80-120	-		
Manganese, Total	87		-		83-117	-		
Nickel, Total	94		-		82-117	-		
Selenium, Total	88		-		80-120	-		
Silver, Total	96		-		66-134	-		
Zinc, Total	88		-		82-119	-		
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG654239-2 SRM Lot Number: 0518-10-02								
Mercury, Total	133		-		67-133	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG653840-4 QC Sample: L1323681-01 Client ID: MS Sample												
Arsenic, Total	1.6	10	8.2	**66**	Q	-	-		75-125	-		35
Barium, Total	200	168	300	**60**	Q	-	-		75-125	-		35
Beryllium, Total	0.12J	4.19	2.8	**67**	Q	-	-		75-125	-		35
Cadmium, Total	0.77	4.27	3.3	**59**	Q	-	-		75-125	-		35
Chromium, Total	73.	16.8	88	89		-	-		75-125	-		35
Copper, Total	56.	21	74	86		-	-		75-125	-		35
Lead, Total	5.0	42.7	36	**72**	Q	-	-		75-125	-		35
Manganese, Total	520	41.9	590	**167**	Q	-	-		75-125	-		35
Nickel, Total	28.	41.9	57	**69**	Q	-	-		75-125	-		35
Selenium, Total	ND	10	6.0	**60**	Q	-	-		75-125	-		35
Silver, Total	ND	25.1	18	**72**	Q	-	-		75-125	-		35
Zinc, Total	77.	41.9	100	**55**	Q	-	-		75-125	-		35
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG654239-4 QC Sample: L1323936-12 Client ID: MS Sample												
Mercury, Total	0.04J	0.164	0.32	**195**	Q	-	-		80-120	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG653840-3 QC Sample: L1323681-01 Client ID: DUP Sample						
Arsenic, Total	1.6	1.6	mg/kg	0		35
Barium, Total	200	200	mg/kg	0		35
Beryllium, Total	0.12J	0.12J	mg/kg	NC		35
Cadmium, Total	0.77	0.75	mg/kg	3		35
Chromium, Total	73.	78	mg/kg	7		35
Copper, Total	56.	56	mg/kg	0		35
Lead, Total	5.0	6.1	mg/kg	20		35
Manganese, Total	520	510	mg/kg	2		35
Nickel, Total	28.	29	mg/kg	4		35
Selenium, Total	ND	ND	mg/kg	NC		35
Silver, Total	ND	ND	mg/kg	NC		35
Zinc, Total	77.	76	mg/kg	1		35
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG654239-3 QC Sample: L1323936-12 Client ID: DUP Sample						
Mercury, Total	0.04J	0.10	mg/kg	NC		35

INORGANICS
&
MISCELLANEOUS

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323682-01
Client ID: EP 6
Sample Location: 92 WEST TREMONT, BRONX, NY
Matrix: Soil

Date Collected: 11/14/13 09:10
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	31		mg/kg	0.86	0.86	1	-	11/26/13 13:52	107,-	JO
Solids, Total	92.4		%	0.100	NA	1	-	11/22/13 02:40	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	11/21/13 14:00	11/22/13 13:18	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.86	0.17	1	11/23/13 12:00	11/26/13 13:21	1,7196A	ST

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323682-02
Client ID: EP 7
Sample Location: 92 WEST TREMONT, BRONX, NY
Matrix: Soil

Date Collected: 11/14/13 09:10
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	20		mg/kg	0.94	0.94	1	-	11/26/13 13:52	107,-	JO
Solids, Total	85.1		%	0.100	NA	1	-	11/22/13 02:40	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	11/22/13 12:55	11/25/13 12:24	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.94	0.19	1	11/23/13 12:00	11/26/13 13:22	1,7196A	ST

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323682-03
Client ID: EP 8
Sample Location: 92 WEST TREMONT, BRONX, NY
Matrix: Soil

Date Collected: 11/14/13 09:10
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	0.86	0.86	1	-	11/26/13 13:52	107,-	JO
Solids, Total	93.2		%	0.100	NA	1	-	11/22/13 02:40	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.23	1	11/22/13 12:55	11/25/13 12:26	1,9010C/9012A	JO
Chromium, Hexavalent	ND		mg/kg	0.86	0.17	1	11/23/13 12:00	11/26/13 13:22	1,7196A	ST

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

SAMPLE RESULTS

Lab ID: L1323682-04
Client ID: EP 9
Sample Location: 92 WEST TREMONT, BRONX, NY
Matrix: Soil

Date Collected: 11/14/13 09:10
Date Received: 11/20/13
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	29		mg/kg	0.88	0.88	1	-	11/26/13 13:52	107,-	JO
Solids, Total	91.4		%	0.100	NA	1	-	11/22/13 02:40	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	11/22/13 12:55	11/25/13 12:27	1,9010C/9012A	JO
Chromium, Hexavalent	0.22	J	mg/kg	0.88	0.18	1	11/23/13 12:00	11/26/13 13:23	1,7196A	ST

Project Name: 92 WEST TREMONT
Project Number: 2166-06
Lab Number: L1323682
Report Date: 11/27/13

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG653547-1										
Cyanide, Total	ND		mg/kg	0.95	0.22	1	11/21/13 14:00	11/22/13 13:02	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 02-04 Batch: WG653863-1										
Cyanide, Total	ND		mg/kg	0.87	0.20	1	11/22/13 12:55	11/25/13 12:19	1,9010C/9012A	JO
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG654085-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	11/23/13 12:00	11/26/13 13:16	1,7196A	ST

Lab Control Sample Analysis

Batch Quality Control

Project Name: 92 WEST TREMONT

Project Number: 2166-06

Lab Number: L1323682

Report Date: 11/27/13

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG653547-2 WG653547-3								
Cyanide, Total	110		110		80-120	0		35
General Chemistry - Westborough Lab Associated sample(s): 02-04 Batch: WG653863-2 WG653863-3								
Cyanide, Total	109		107		80-120	2		35
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG654085-2								
Chromium, Hexavalent	106		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG653547-4 WG653547-5 QC Sample: L1323682-01 Client ID: EP 6												
Cyanide, Total	ND	10	11	100		10	100		65-135	10		35
General Chemistry - Westborough Lab Associated sample(s): 02-04 QC Batch ID: WG653863-4 WG653863-5 QC Sample: L1323797-09 Client ID: MS Sample												
Cyanide, Total	0.76J	11	12	100		12	110		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG654085-4 QC Sample: L1323684-02 Client ID: MS Sample												
Chromium, Hexavalent	ND	870	880	100		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG653715-1 QC Sample: L1323670-01 Client ID: DUP Sample						
Solids, Total	89.1	89.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG654085-6 QC Sample: L1323684-02 Client ID: DUP Sample						
Chromium, Hexavalent	ND	0.21J	mg/kg	NC		20

Project Name: 92 WEST TREMONT
Project Number: 2166-06

Lab Number: L1323682
Report Date: 11/27/13

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1323682-01A	Glass 250ml unpreserved	A	N/A	3.9	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)
L1323682-02A	Glass 250ml unpreserved	A	N/A	3.9	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)
L1323682-03A	Glass 250ml unpreserved	A	N/A	3.9	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)
L1323682-04A	Glass 250ml unpreserved	A	N/A	3.9	Y	Absent	BE-TI(180),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),CR-TI(180),NI-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),NYTCL-8081(14),HG-T(28),MN-TI(180),CD-TI(180),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name:	92 WEST TREMONT	**Lab Number:**	L1323682
Project Number:	2166-06	**Report Date:**	11/27/13

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: DU Report with 'J' Qualifiers

Project Name:	92 WEST TREMONT	**Lab Number:**	L1323682
Project Number:	2166-06	**Report Date:**	11/27/13

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	92 WEST TREMONT	**Lab Number:**	L1323682
Project Number:	2166-06	**Report Date:**	11/27/13

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised November 12, 2013 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

State of Illinois Certificate/Lab ID: 003155. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM2120B, 2320B, 2510B, 2540C, SM4500CN-CE, 4500F-C, 4500H-B, 4500NO3-F, 5310C, EPA 200.7, 200.8, 245.1, 300.0. Organic Parameters: EPA 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: SM2120B, 2310B, 2320B, 2340B, 2510B, 2540B, 2540C, 2540D, SM4500CL-E, 4500CN-E, 4500F-C, 4500H-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-E, 4500S-D, 4500SO3-B, 5210B, 5220D, 5310C, 5540C, EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1. Organic Parameters: EPA 608, 624, 625.)

Hazardous and Solid Waste (Inorganic Parameters: EPA 1010A, 1030, 1311, 1312, 6010C, 6020A, 7196A, 7470A, 7471B, 9012B, 9014, 9038, 9040C, 9045D, 9050A, 9065, 9251. Organic Parameters: 8011 (NPW only), 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8315A, 8330.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2120B, 2130B, 2320B, 2510C, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, 5310C, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 8315A, 9010C, SM2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-C, 4500NH3-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500P-B, 4500P-E, 4500S2-D, 4500SO3-B, 5540C, 5210B, 5220D, 5310C, 9010B, 9030B, 9040C, 7470A, 7196A, 2340B, EPA 200.7, 6010C, 200.8, 6020A, 245.1, 1311, 1312, 3005A, Enterolert, 9223B, 9222D. Organic Parameters: 608, 624, 625, 8011, 8081B, 8082A, 8330, 8151A, 8260C, 8270D, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014, 9040B, 9045C, 6010C, 6020A, 7471B, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B, 9038, 9251. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260C, 8270D, 8330, 8151A, 8081B, 8082A, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010C, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9010C, 9030, 9040B, 9040C, SM2120B, 2310B, 2320B, 2340B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 4500SO3-B, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082A, 8081B, 8015C, 8151A, 8330, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010C, 6020A, 7196A, 7471B, 1010, 1010A, 1030, 9010C, 9012B, 9014, 9030B, 9040C, 9045C, 9045D, 9050, 9065, 9251, 1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3620D, 3630C, 5030B, 5035, 8260C, 8270D, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082A, 8081B.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2064. ***NELAP Accredited.***
Drinking Water (Organic Parameters: **EPA 524.2:** Di-isopropyl ether (DIPE), Ethyl-t-butyl ether (ETBE), Tert-amyl methyl ether (TAME)).

Non-Potable Water (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene. **EPA 8015C(M):** TPH.)

Solid & Chemical Materials (Organic Parameters: **EPA 8260C:** 1,3,5-Trichlorobenzene.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310C, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, 4500SO4-E, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 9040C, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010C, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 5030C, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9030B, 1010, 1010A, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9010C, 9012B, 9014, 9038, 9040B, 9040C, 9045C, 9045D,

9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3620C, 3630C, 5030B, 5030C, 5035L, 5035H, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.1, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2340B, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010C, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 7470A, SM2120B, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 8315A, 3005A, 9010C, 9030B. Organic Parameters: EPA 624, 8260C, 8270D, 8270D-SIM, 625, 608, 8081B, 8151A, 8330A, 8082A, EPA 3510C, 5030B, 5030C, 8015C, 8011.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, EPA 6010C, 6020A, 7196A, 7471B, 8315A, 9012B, 9014, 9065, 9050A, 9038, 9251, EPA 1311, 1312, 3005A, 3050B, 9010C, 9030B, 9040C, 9045D. Organic Parameters: EPA 8260C, 8270D, 8270D-SIM, 8015C, 8081B, 8151A, 8330A, 8082A, 3540C, 3546, 3580A, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9012B, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7470A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 350.1, 350.2, 351.1, 353.2, 420.1, 6010C, 6020A, 7196A, 7470A, 9030B, 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C, 9010C, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, 8015C, NJ-EPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010C, 6020A, 7196A, 7471B, 9010C, 9012B, 9014, 9040B, 9045D, 9050A, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3620C, 3630C, 5035, 8015C, 8081B, 8082A, 8151A, 8260C, 8270D, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NJ-DEP.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.1, 2320B, 4500F-C, 4500NO3-F, 4500H+B, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 350.1, 351.1, 351.2, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 2340B, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C,

4500NH3-H, 4500NO2-B, 4500NO3-F, 4500 SO3-B, 4500H-B, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C, 9010Cm 9030B, 9040C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8011, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9010C, 9012B, 9030B, 9014, 9038, 9040C, 9045D, 9251, 9050A, 9065. Organic Parameters: EPA 5030B, 5035, 3540C, 3546, 3550B, 3580A, 3620C, 3630C, 6020A, 8260B, 8260C, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010C, 6020A, 245.1, 7470A, 9040B, 9010B, 180.1, 300.0, 332.0, 6860, 351.1, 353.2, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500Norg-C, 4500NO3-F, 5310C, 2130B, 2320B, 2340B, 2540C, 5540C, 3005A, 3015, 9056, 7196A, 3500-Cr-D. Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A, 8082A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010C, 6020A, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9040B, 9045C, 9010C, 9012B, 9251, SM3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8015C, 8151A, 8260C, 8270D, 8270D-SIM, 8330A/B-prep, 8082A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether. **EPA 8260B:** 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8260 Non-potable water matrix:** Iodomethane (methyl iodide), Methyl methacrylate. **EPA 8260 Soil matrix:** Tert-amyl methyl ether (TAME), Diisopropyl ether (DIPE), Azobenzene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine. **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease. **EPA 9060** in a soil matrix.

L1323682

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716 Page 1 of 1
(Tel.) 631-269-8800 (Fax) 631-269-1599

LAB NAME: Alpha

RECEIVED DATE: 11/14/2013

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst AND~~ B. HERNANDEZ
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: ~~Analyst~~@impactenvironmental.com AND BHernandez@impactenvironmental.com

Project Information

Project Name: 92 West Tremont
Street: 92 West Tremont
City: Bronx **State:** NY **Zip:**
Project #: 2166-06
Sampler's Name: S Mack
Sampler's Signature: S Mack

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample Type	Time	Total # of bottles	None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	List TOTAL METALS (NY PART 375)	List TCLP PESTICIDES (NY PART 375)				
-01	1 EP 6	S	G		11/14 9:10	1												X	X				
-02	2 EP 7	S	G		9:10	1												X	X				
-03	3 EP 8	S	G		9:10	1												X	X				
-04	4 EP 9	S	G		9:10	1												X	X				
	5																						
	6																						
	7																						
	8																						
	9																						
	10																						

Matrix Codes
L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other
- [ ] EDD Format

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

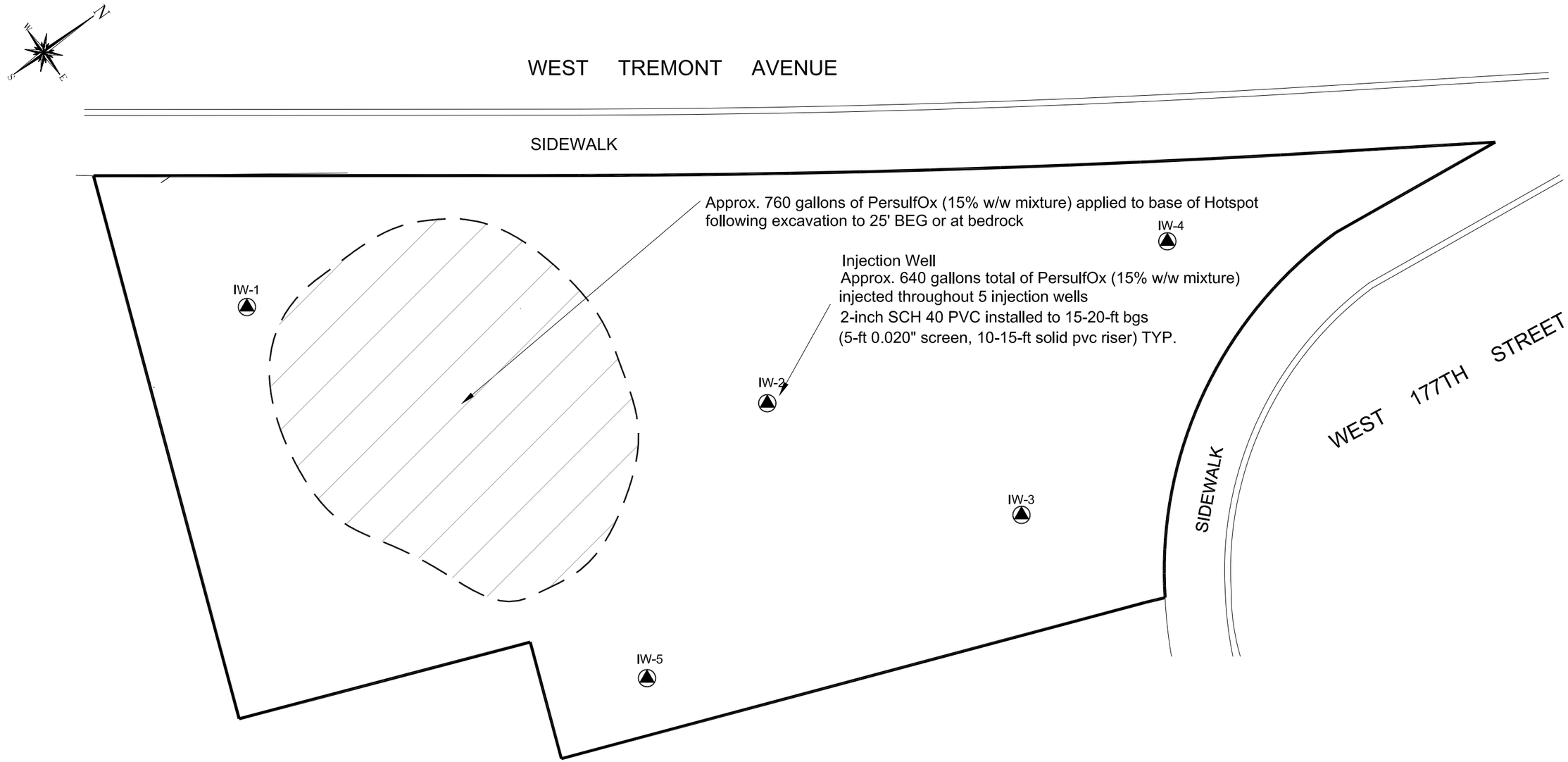
	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	S Mack	11/14	Daniel Tavis 16:30	Daniel Tavis	11-20-13 1801	Tom Fisher 11-20-13 1801
3	Tom Fisher	3/4-20-13 01:15				
5						

COOLER INFORMATION
Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

APPENDIX K

REGENESIS PERSULFOX SPECIFICATIONS



PROJECT # 2166-03-03-3002
FIGURE # APPENDIX K
BCP# 12CBCPO16X

TITLE: REGENOX ISCO APPLICAITON PLAN

DRAWN BY:	BH
CHECKED BY:	KK
DATE:	01/24/2016

60 W 177th St &
92 W Tremont Ave.
Bronx, New York

IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599
1000 PAGE AVENUE
LYNDHURST, NEW JERSEY 07071

REGENESIS®

Range of **Treatable** Contaminants Guide

NEXT

Range of Treatable Contaminants

REGENESIS products have been used to effectively treat a broad range of groundwater contaminants from petroleum hydrocarbons, to chlorinated solvents, pesticides, and metals. Contact us to discuss the treatability of your contaminant of concern and site details so that we can recommend the most effective REGENESIS solution.

✔ Contaminant treatable with REGENESIS Products

	LAC	ISCO			Aerobic Bio	Anaerobic Bio				ISCR
Range of Treatable Contaminants	PlumeStop®	RegenOx®	PetroCleanze®	PersulfOx®	ORC® Advanced	3DME®	HRC®	HRC-X®	BDI® Plus	CRS®
BTEX										
Benzene	✔	✔	✔	✔	✔					
Toluene	✔	✔	✔	✔	✔					
Ethylbenzene	✔	✔	✔	✔	✔					
Xylene	✔	✔	✔	✔	✔					
Petroleum Hydrocarbons										
Gasoline Range Organics (GRO) (C_6-C_{10-12})	✔	✔	✔	✔	✔					
Diesel Range Organics (DRO) (C_{8-12}-C_{24-26})	✔	✔	✔	✔	✔					
Oil Range Organics (ORO) (C_{22-32})	✔	✔	✔	✔	✔					
Creosote (coal tar)	✔	✔	✔	✔	✔					
Oxygenates										
Methyl tert-butyl ether (MTBE)	✔	✔	✔	✔	✔					
Tert-butyl alcohol (TBA)		✔	✔	✔	✔					
Chlorinated Solvents										
Tetrachloroethylene (PCE)	✔	✔	✔	✔		✔	✔	✔	✔	✔
Trichloroethene (TCE)	✔	✔	✔	✔		✔	✔	✔	✔	✔
cis-1,2 Dichloroethene (DCE)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Vinyl chloride (VC)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Tetrachloroethane	✔	✔	✔	✔		✔	✔	✔	✔	✔
Trichloroethane (TCA)	✔	✔	✔	✔		✔	✔	✔	✔	✔
Dichloroethane (DCA)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Carbon tetrachloride	✔	✔	✔	✔		✔	✔	✔		✔
Chloroethane		✔	✔	✔	✔	✔	✔	✔		✔
Chloroform	✔	✔	✔	✔		✔	✔	✔		✔
Chloromethane		✔	✔	✔		✔	✔	✔		✔
Chlorotoluene	✔	✔	✔	✔	✔	✔	✔	✔		✔
Methylene chloride		✔	✔	✔		✔	✔	✔		✔
Dichloropropane	✔	✔	✔	✔		✔	✔	✔		✔
Dichloropropene	✔	✔	✔	✔		✔	✔	✔		✔
Hexachlorobutadiene	✔	✔	✔	✔		✔	✔	✔		✔
Trichloropropane	✔	✔	✔	✔		✔	✔	✔		✔
Bis(2-chloroethyl)ether	✔	✔	✔	✔		✔	✔	✔		✔
Bis(2-chloroethoxy)methane	✔	✔	✔	✔		✔	✔	✔		✔
PAHs										
Acenaphthene	✔	✔	✔	✔	✔					
Acenaphthylene	✔	✔	✔	✔	✔					
Anthracene	✔	✔	✔	✔	✔					
Benzo(a)anthracene	✔	✔	✔	✔	✔					
Benzo(a)pyrene	✔	✔	✔	✔	✔					
Benzo(b)fluoranthene	✔	✔	✔	✔	✔					
Benzo(ghi)perylene	✔	✔	✔	✔	✔					
Chrysene	✔	✔	✔	✔	✔					
Dibenzo(a,h)anthracene	✔	✔	✔	✔	✔					
Fluorene	✔	✔	✔	✔	✔					
Naphthalene	✔	✔	✔	✔	✔					
Phenathrene	✔	✔	✔	✔	✔					
Pyrene	✔	✔	✔	✔	✔					
Aromatics										
2-chlorophenol	✔	✔	✔	✔	✔					
2,4-dichlorophenol	✔	✔	✔	✔	✔					
2,4-dinitrophenol	✔	✔	✔	✔	✔					
4-chloro-3-methyl phenol	✔	✔	✔	✔	✔					
4-iso-propyltoluene	✔	✔	✔	✔	✔					
4-nitrophenol	✔	✔	✔	✔	✔					

✔ Contaminant treatable with REGENESIS Products

	LAC	ISCO			Aerobic Bio	Anaerobic Bio				ISCR
Range of Treatable Contaminants	PlumeStop®	RegenOx®	PetroCleanze®	PersulfOx®	ORC® Advanced	3DME®	HRC®	HRC-X®	BDI® Plus	CRS®
Aromatics (continued)										
Chlorobenzene	✔	✔	✔	✔	✔					
Dichlorobenzene	✔	✔	✔	✔	✔					
N-butylbenzene	✔	✔	✔	✔	✔					
Nitrobenzene	✔	✔	✔	✔	✔					
Pentachlorophenol	✔			✔	✔	✔	✔	✔		✔
Phenol	✔	✔	✔	✔	✔					
Propylbenzene	✔	✔	✔	✔	✔					
Styrene	✔	✔	✔	✔	✔					
Trichlorobenzene	✔	✔	✔	✔	✔					
Trimethylbenzene	✔	✔	✔	✔	✔					
Haloalkanes										
Dichlorodifluoromethane (Freon 12)	✔					✔	✔	✔		✔
Trichlorofluoromethane (Freon 11)	✔					✔	✔	✔		✔
Trichlorofluoroethane (Freon 113)	✔					✔	✔	✔		✔
Pesticides & Herbacides										
α-Chlordane	✔					✔	✔	✔		✔
Heptachlor Epoxide	✔					✔	✔	✔		✔
Lindane (hexachlorocyclohexane)	✔					✔	✔	✔		✔
DDT, DDD, DDE	✔					✔	✔	✔		✔
Toxaphene	✔					✔	✔	✔		✔
Dieldrin	✔					✔	✔	✔		✔
2,4-D	✔					✔	✔	✔		✔
2,4,5-T	✔					✔	✔	✔		✔
Endrin	✔					✔	✔	✔		✔
Energetics										
TNT	✔	✔				✔	✔	✔		✔
DNT	✔	✔				✔	✔	✔		✔
Nitroglycerine	✔	✔				✔	✔	✔		✔
HMX	✔	✔				✔	✔	✔		✔
RDX	✔	✔				✔	✔	✔		✔
Miscellaneous										
Acetone	✔	✔	✔	✔	✔					
Bis(2-ethylhexyl)phthalate	✔	✔	✔	✔	✔					
4-methyl-2-pentanone	✔	✔	✔	✔	✔	✔				
Perchlorate						✔	✔	✔		✔
Polychlorinated biphenyls (PCBs)	✔					✔				
Nitrates						✔	✔	✔		✔
Carbon Disulfide (CS2)		✔	✔	✔		✔	✔	✔		
1,4-dioxane	✔			✔						
Heavy Metals										
Chromium (VI)						✔	✔	✔		✔

For additional questions or for a site review please call 949.366.8000

Results will depend on specific site conditions, please discuss your site with a REGENESIS Technical Manager. The information provided is for guidance only. It is recommended that a treatability study be performed to verify applicability to your specific contaminant and site conditions. REGENESIS makes no warranty or representation, expressed or inferred, and nothing herein should be construed as to guaranteeing actual results in field use, or permission or recommendation to infringe any patent.

TECHNOLOGY-BASED SOLUTIONS FOR SOIL AND GROUNDWATER REMEDIATION

REGENESIS® products and services have been used on over 25,000 projects worldwide. With visibility on 1,000's of projects annually, REGENESIS has exposure to a wide spectrum of sites.

Trust REGENESIS to be your remediation resource for your next project.

www.regenesis.com
1011 Calle Sombra, San Clemente CA 92673 | T: 949.366.8000

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PersulfOx® Technical Description

PersulfOx is an *In Situ* Chemical Oxidation (ISCO) reagent that destroys organic contaminants found in groundwater and soil through powerful, yet controlled, chemical reactions. A sodium persulfate-based technology (figure 1), PersulfOx employs a patented catalyst to enhance the oxidative destruction of both hydrocarbons and chlorinated contaminants in the subsurface.

Typically, sodium persulfate is activated with the addition of heat, chelated metals, hydrogen peroxide, or base in order to generate sulfate radicals. These activation processes are inherently complex, costly and can pose additional health and safety risks. In comparison, PersulfOx is a relatively safe and easy-to-use ISCO agent with a built-in catalyst which activates the persulfate component, generating contaminant-destroying free radicals without the need for the addition of a separate activator. The equation below shows the net complete oxidation of toluene, a constituent of gasoline, by PersulfOx:

Example of PersulfOx

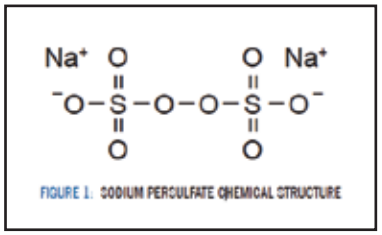

FIGURE 1: SODIUM PERSULFATE CHEMICAL STRUCTURE

For a list of treatable contaminants with the use of PersulfOx, view the Range of Treatable Contaminants Guide

Chemical Composition

- Sodium Persulfate - CAS #7775-27-1
- Sodium Silicate - CAS #1344-09-8

Properties

- pH - 7 to 11.5 at 25°C
- Appearance – White, free-flowing powder, clear to cloudy when mixed with water
- Odor – Not detectable
- Vapor Pressure – None
- Chemical Hazard Classification - Class 5.1 Oxidizer

Storage and Handling Guidelines

Storage
Store locked up
Keep away from heat
Store in a cool, dry place out of direct sunlight

Handling
Minimize dust generation and accumulation
Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces

PersulfOx® Technical Description

Storage (continued)
Store in original tightly closed container
Store in a well-ventilated place
Do not store near combustible materials
Store away from incompatible materials
Recommended to store at less than 40°C
Provide appropriate exhaust ventilation in places where dust is formed

Handling (continued)
Avoid mixing with combustibles
Avoid contamination
Keep away from clothing and other combustible materials
Wear appropriate personal protective equipment
Avoid breathing dust
Avoid contact with eyes, skin, and clothing
Avoid prolonged exposure
Do not taste or swallow
When using, do not eat, drink or smoke
Wear appropriate personal protective equipment
Wash hands thoroughly after handling
Observe good industrial hygiene practices

Applications

- PersulfOx is mixed with water at a rate of 5% to 20% prior to application.
- For most applications, REGENESIS suggests a 10-15% solution. The resulting mixture has viscosity similar to water.
- Injects into formation through direct push injection points, injection wells or other injection delivery systems.

Application instructions for this product are contained here PersulfOx Application Instructions.

Health and Safety

Material is relatively safe to handle; however, avoid contact with eyes, skin and clothing. OSHA Level D personal protection equipment including: vinyl or rubber gloves, eye protection, and dust mask are recommended when handling this product. Please review the Material Safety Data Sheet for additional storage, usage, and handling requirements here: PersulfOx SDS.

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PersulfOx™
CATALYZED PERSULFATE

APPLICATION INSTRUCTIONS

Subsurface application of PersulfOx™ via pressure injection is commonly performed using either direct-push technology (DPT) or wells. PersulfOx is a single-part, sodium persulfate – based *in situ* chemical oxidant with built-in activation. It is a dry white powder that ships as a **DOT 5.1 Class Oxidizer** and should be handled according to regulations governing oxidizers. An MSDS is provided with each shipment.

Pre-Application procedures - Prior to PersulfOx application, Regenesis recommends pre-application test injection using clear water. This procedure is useful in determining if the target zone has hydraulic limitations that would reduce the anticipated volume applied or cause application pressures to exceed the commonly accepted application range. For *in situ* injection projects, Regenesis recommends the injection test volume range 15-20% greater than the single-point design volume.

Solution making procedures - Before application the PersulfOx is mixed with water to create an injection solution. PersulfOx can be mixed into solutions that range from 5% to 20% weight/weight (w/w). For most applications Regenesis suggests a 10-15% w/w solution. The PersulfOx+water solution should be mixed in appropriately sized tanks that match the projects requirements. Upon creation the PersulfOx solution is alkaline and so tanks and related mixing equipment should be configured with chemically resistant materials. When working in areas with cold water temps (temperatures <16°C/ 65°F) users should be aware of lessened overall chemical solubility resulting in relatively longer mix time requirements; in all cases it is recommended that periodic mixing be part of the application process. We recommend slow addition of dry PersulfOx powder to water and mixing during and after PersulfOx addition using appropriately sized power mixing equipment such as drum or tank-type vortex/cyclone mixers. Alternatively, lower volume batch mixing may also be used. Low volume mixing alternatives would include power drills equipped with paint-mixer attachments or chemically resistant centrifugal pumps set up in a recirculation configuration. PersulfOx mixes readily into water when batched at the recommended solution ranges. Once mixed PersulfOx will dissolve and remain in solution but as with all chemical mixtures we recommend that the PersulfOx solution be checked periodically throughout the workday. The PersulfOx solution will be typically have a cloudy white appearance that is associated with the formation of a small amount of flocculent (<1%). This flocculent is associated with minerals present in most mix waters. When adding the PersulfOx to the mix water, follow proper handling and dust precautions (see H&S sheet and MSDS).

PersulfOx™
CATALYZED PERSULFATE

APPLICATION INSTRUCTIONS (cont'd)

The following table is a guideline for solution mixing % per bag of PersulfOx in water:

No. of Bags	Weight of Material (lbs.)	Desired Solution (%)	Volume of Water (gallons)	Final PersulfOx volume (gallons)
1	55	5	125	128
1	55	10	59	62
1	55	15	37	40
1	55	20	26	29

Volume of mix water (gallons/vertical foot of injection) can be calculated from the following equation:

$$\frac{\text{PersulfOx lbs/ foot}}{(8.34\ \text{lbs/gal water})(\%\ \text{PersulfOx solids})}\left[1-(\%\ \text{PersulfOx solids})\right]$$

Direct Push (DPT) Applications - It is imperative that the DPT injection holes be properly grouted/sealed upon completion of the injection activities. The purpose of this effort is to seal off any potential pathways to the surface which may allow "day lighting" of injection materials. Whenever possible, the application should be performed by systematically working from the outside to the center of the injection array. This methodology of application will limit the potential for expansion of the plume (also applies to wells).

Well-Applications - Regenesis recommends that injection wells be generally be constructed using ≥2-inch diameter Schedule 80 PVC with a screen slot size ≥0.02-inch. When possible the well seal should consist of a minimum of ≈6-12 inches of fine silica sand placed directly over the well filter pack. This will minimize bentonite infiltration into the well screen/filter pack interval. This should be overlain by ≥3 feet of hydrated and "cured" bentonite seal. The well should be sealed to the surface with cement or cement + bentonite grout (bentonite<10%). Prior to injection of any remedial reagent, Regenesis recommends that the injection wells be "surged and purged" of fine grained particles present in the well bore to the extent practicable.

After each PersulfOx injection event, each injection well should be flushed with clear-water. This clear-water "chaser" should be equivalent to approximately 2-3 borehole volumes. When wells are used for PersulfOx injection, the PersulfOx injection wells and nearby groundwater monitoring wells should be either tightly capped or alternatively equipped with a pressure gauge & relief valve. This will reduce potential for short circuiting to the surface.

PersulfOx™
CATALYZED PERSULFATE

Surfacing - From time to time application related surfacing of oxidants or other high volume remedial reagents may occur. Regenesis has co-authored a document that addresses the specifics reagent surfacing before it occurs as well as proper management when it does occur. This document is entitled "Guidelines for Subsurface Injection of In Situ Remedial Reagents within the LARWQCB Region" (ISRR). This document can be found on the LARWQCB Website or on the Regenesis website www.regenesis.com

PersulfOx™
CATALYZED PERSULFATE

Packaging, Storage, Health and Safety

PersulfOx® is a chemical oxidation technology developed by REGENESIS for the remediation of organic contaminants in soil and groundwater which employs a patented "catalyzed persulfate" technology. PersulfOx is mixed with water and applied to the contaminated matrix via mixing equipment or subsurface injection techniques. When adding the fine dry PersulfOx powder to the mix water, proper handling and dust precautions should be followed as indicated in the Health and Safety section below (also review the MSDS).

Packaging and Storage:

PersulfOx is a dry, white, and free flowing powder delivered in 5 gallon HDPE pails or 55.1 lb (25 kg) bags. It ships as a DOT 5.1 Class Oxidizer and should be handled according to rules and regulations governing oxidizers. PersulfOx should be stored in a cool (<40° C), clean, dry, and well-ventilated area and away from heat and moisture. It should not be stored with combustible or reducing materials.

Health and Safety:

PersulfOx is engineered for ease of handling in the field and can be safely mixed without the risks and potential hazards associated with most other chemical oxidants such as alkaline activated sodium persulfate. However, PersulfOx is an oxidizer/catalyst powder mixture, therefore Level C proper protective equipment (PPE) is recommended for all personnel working with or in areas of potential contact with PersulfOx. In addition, PersulfOx is an alkaline product when in solution; if left to stand for a long periods, persulfate based products can become acidic. Under either alkaline or acidic conditions PersulfOx can be caustic and corrosive and can degrade equipment surfaces.

Personal Protective Equipment (PPE)

- **Eye protection** – wear well sealed goggles or a face shield (face shield recommended for full face protection)
- **Head** – hard hat when required
- **Respiratory** – use NIOSH (P100) approved respirator when airborne dust is expected
- **Hands** – wear chemical resistant gloves (neoprene, rubber, PVC)
- **Feet** – wear steel toe shoes with chemical resistant soles or neoprene boots
- **Clothing** – wear long sleeve shirts and long pants. Consider using a Tyvek® body suit, Carhartt® coverall or splash gear
- **Engineering Controls**-ventilation is required if used indoors. Controls should be maintained to avoid creation of dusts and mists

APPENDIXI L

DECLARATION OF COVENANTS & RESTRICTIONS

APPENDIX M

OER EMAIL CORRESPONDENCE

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument.The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2016052600969001003EFC01

RECORDING AND ENDORSEMENT COVER PAGE **PAGE 1 OF 4**

Document ID: 2016052600969001 Document Date: 05-25-2016 Preparation Date: 06-07-2016
Document Type: SUNDRY MISCELLANEOUS
Document Page Count: 3

PRESENTER:
FEDERATED TITLE SERVICES
100 LAKEVIEW AVENUE, SUITE 1
FTS-NI-30270-B
JAMESBURG, NJ 08831
212-796-4250
MBENZI@FEDERATEDTS.COM

RETURN TO:
JASON LABATE, ESQ.
GOLDSTEIN HALL, PLLC
80 BROAD STREET, SUITE 303
NEW YORK, NY 10004

PROPERTY DATA

Borough	Block	Lot	Unit	Address
BRONX	2867	125	Entire Lot	92 WEST TREMONT AVENUE

Property Type: APARTMENT BUILDING

CROSS REFERENCE DATA

CRFN_____ *or* DocumentID_____ *or* _____ Year_____ Reel____ Page_____ *or* File Number_____

PARTIES

PARTY 1:
WEST TREMONT HOUSING DEVELOPMENT FUND COMPANY, INC
300 EAST 175TH STREET
BRONX, NY 10457

PARTY 2:
WEST TREMONT RESIDENCES LLC
300 EAST 175TH STREET
BRONX, NY 10457

FEES AND TAXES

Mortgage :		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	52.00
Affidavit Fee:	$	0.00

Filing Fee:	$	0.00
NYC Real Property Transfer Tax:	$	0.00
NYS Real Estate Transfer Tax:	$	0.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK
Recorded/Filed 06-14-2016 11:30
City Register File No.(CRFN): **2016000199883**

City Register Official Signature

DECLARATION OF COVENANTS AND RESTRICTIONS

THIS DECLARATION OF COVENANTS AND RESTRICTIONS is made as of the 25th day of May, 2016, by West Tremont Housing Development Fund Company Inc. a not-for-profit corporation, having and office at 300 East 175th Street, Bronx, NY 10457 ("The HDFC") and West Tremont Residences LLC, a New York limited liability company with an address at 300 East 175th Street, Bronx, NY 10457 (The "Company").

WITNESSETH

WHEREAS, The HDFC is the current legal owner of a parcel of real property located at 92 West Tremont Avenue in Bronx County, State of New York, and comprised of Block 2867, Lot 125, on the Borough of Tax Assessor's Map, (the "Property") and The Company is the beneficial owner of the Property;

WHEREAS, the Property is the subject of a Voluntary Cleanup Agreement for the Project entitled "Promesa West Tremont Residence", OER Project #: BCP # 12CBCP016X, dated September 7, 2011, by the Company and the New York City Mayor's Office of Environmental Remediation ("Office") (the "Agreement");

WHEREAS, the Office approved the Remedial Action Work Plan (RAWP) for the Company, dated July 29, 2011, which sets forth the selected remedy for the Property, and such RAWP required submission of the Site Management Plan (SMP) and that the Property be subject to restrictive covenants.

NOW, THEREFORE, the HDFC and the Company, for itself and its successors and assigns, covenants that:

1. The Property is hereby made subject to this Declaration of Covenants and Restrictions.
2. Unless the prior written approval of the Office is first obtained or, if the Office shall no longer exist or no longer have jurisdiction with respect to the enforcement of this Declaration of Covenants and Restrictions, the prior written approval of any New York City agency or agencies whose purpose shall be to protect the public health and environment of the city (the "Relevant Agency") is first obtained:
    a. The Property is subject to engineering and institutional controls defined in the SMP;
    b. Vegetable gardening and farming in residual soil of the property is prohibited;

c. Use of groundwater beneath the Property without treatment rendering it safe for the intended use is prohibited;

d. Disturbance of residual soil at the Property is prohibited unless it is conducted in accordance with the SMP;

e. Higher levels of land usage than the restricted residential uses addressed by the remedial action is prohibited without prior notification and approval by the New York City Office of Environmental Remediation.

3. This Declaration of Covenants and Restrictions is and shall be deemed a covenant that shall run with the land and shall be binding upon all future owners of the Property.

4. Any deed conveying all or a portion of the Property shall recite, unless the Relevant Agency has consented to the termination of such covenants and restrictions, that the said conveyance is subject to this Declaration of Covenants and Restrictions and the SMP.

5. It shall be a condition of this Declaration of Covenants and Restrictions that any owner of the Property may, upon not less than thirty (30) days written notice to each of the owners of record of the Property, petition the Relevant Agency to modify or terminate this Declaration of Covenants and Restrictions provided that such party certifies that written notice was provided to each owner of record and that human health and the environment will continue to be protected notwithstanding such modification or termination.

6. Any owner of the Property will be subject to loss of benefits conferred by the Office under the Voluntary Cleanup Program, including the Notice of Completion, liability protections, and the NYC Green Property Certification, if compliance with this Declaration and the SMP is not achieved or maintained.

IN WITNESS WHEREOF, the undersigned has executed this instrument as of the day set forth below.

West Tremont Residences LLC

By: _____

Name: Raul Russi

Title: CEO

West Tremont Housing Development Fund Company Inc.

By: _____

Name: Raul Russi

Title: CEO

STATE OF NEW YORK)
: SS.:
COUNTY OF Bronx)

On the 25 of May the year 2016 before me, the undersigned, a Notary Public in and for said State, personally appeared Raul Russi, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public State of New York

LIZABETH MALDONADO
Commissioner of Deeds City of New York
No. 3-7531
Cert. Filed in Bronx County
Commission Expires January 1, 2017

STATE OF NEW YORK)
: SS.:
COUNTY OF Bronx)

On the 25 of May the year 2016 before me, the undersigned, a Notary Public in and for said State, personally appeared Raul Russi, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public State of New York

LIZABETH MALDONADO
Commissioner of Deeds City of New York
No. 3-7531
Cert. Filed in Bronx County
Commission Expires January 1, 2017

RAWP ADDENDUM SCOPING MEETING MINUTES

– OCTOBER 25, 2013

From: Holberton, Shana
To: Ben Hernandez-Salazar
Cc: Kevin Kleaka; Joel Rogers
Subject: RE: 92 West Tremont Avenue (12CBCP016X) October 10 Meeting Notes
Date: Friday, October 25, 2013 3:50:00 PM

Ben,

My (minor) edits are listed below. I'll give you a call in a minute to discuss.

Best,

Shana Holberton
Project Manager
NYC Mayor's Office of Environmental Remediation
100 Gold Street, 2nd Floor, New York, NY 10038
Tel: (212)788-3220
Cell: (917)974-4604
sholberton@dep.nyc.gov
www.nyc.gov/oer

From: Ben Hernandez-Salazar [mailto:bhernandez@impactenvironmental.com]
Sent: Friday, October 25, 2013 2:38 PM
To: Chawla, Shaminder; Holberton, Shana
Cc: Kevin Kleaka; Joel Rogers
Subject: 92 West Tremont Avenue (12CBCP016X) October 10 Meeting Notes

Good Afternoon Shana / Shaminder,

This email memorializes the meeting we had regarding remediation at the 92 West Tremont Avenue, Bronx site (12CBCP016X) on October 10, 2013.

- OER does not require post-remediation groundwater sampling.
- The PersulfOx injections into onsite groundwater wells and application into bottom of hotspot excavation performed on 10/03/13 and 10/04/13 approved.
- The hotspot delineation concept of refining boundary by excavating and disposing soils at the center and collecting sidewall samples to confirm remediation of hotspot soils approved.
- Track 2 Restricted soil cleanup objectives approved for onsite soil reuse. Sample frequency at 1 per 500 cubic yards.
- Revised Sub Slab Depressurization System layout approved. Removal of small SSDS branch beneath first floor slab-on-grade area approved. Require sampling ports at each SSDS branch for TO-15 (2-hr) sample collection at completion of SSDS installation.
- Post-remediation offsite soil vapor testing not required.
- Required end point soil samples reduced to 7-9 bottom samples, no sidewall samples required.
- Visible demarcation layer (such as orange construction fence) to be installed in all open

space landscaped areas prior to clean fill cap installation.

- Professional survey required of all bottom of excavation areas in the footprint of the building required to document elevations for delineation. Could be done by Ipmace. A cross-sectional figure would work too.
- OER to be included in future weekly meeting minutes.

Please acknowledge accuracy of these notes by responding to this email.

Thank you,

Ben Hernandez Salazar

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END POINT SAMPLE REQUIREMENTS TO BE INCLUDED IN RAWP ADDENDUM

– OCTOBER 28, 2013

From: Holberton, Shana
To: Ben Hernandez-Salazar
Cc: Kevin Kleaka; Joel Rogers; Chawla, Shaminder
Subject: RE: 92 West Tremont Avenue (12CBCP016X) October 10 Meeting Notes
Date: Monday, October 28, 2013 3:49:47 PM

Ben,

Per our discussion, please also set Track 4 SCOs of 800 ppm for lead and 9 ppm for cadmium.

Let me know if you have any additional questions.

Best,

Shana Holberton
Project Manager
NYC Mayor's Office of Environmental Remediation
100 Gold Street, 2nd Floor, New York, NY 10038
Tel: (212)788-3220
Cell: (917)974-4604
sholberton@dep.nyc.gov
www.nyc.gov/oer

From: Holberton, Shana
Sent: Friday, October 25, 2013 5:23 PM
To: 'Ben Hernandez-Salazar'
Cc: Kevin Kleaka; Joel Rogers
Subject: RE: 92 West Tremont Avenue (12CBCP016X) October 10 Meeting Notes

Hi Ben,

I discussed the endpoint sampling with Shaminder – analyze the endpoint samples for pesticides and metals, and compare them to Track 2 Restricted Residential values with the following Track 4 modifications: Barium 750 ppm, Mercury 1.5 ppm. Per section 5.12 of the RAWP ('Deviations from the Remedial Action Work Plan'), please report and describe this deviation in the RAP.

Call me to discuss the pesticides. I should be here for another 30 minutes or so this evening.

Best,

Shana Holberton
Project Manager
NYC Mayor's Office of Environmental Remediation
100 Gold Street, 2nd Floor, New York, NY 10038
Tel: (212)788-3220
Cell: (917)974-4604

sholberton@dep.nyc.gov
www.nyc.gov/oer

From: Ben Hernandez-Salazar [mailto:bhernandez@impactenvironmental.com]
Sent: Friday, October 25, 2013 3:51 PM
To: Holberton, Shana
Cc: Kevin Kleaka; Joel Rogers
Subject: RE: 92 West Tremont Avenue (12CBCP016X) October 10 Meeting Notes

Thanks Shana.

From: Holberton, Shana [mailto:SHolberton@dep.nyc.gov]
Sent: Friday, October 25, 2013 3:50 PM
To: Ben Hernandez-Salazar
Cc: Kevin Kleaka; Joel Rogers
Subject: RE: 92 West Tremont Avenue (12CBCP016X) October 10 Meeting Notes

Ben,

My (minor) edits are listed below. I'll give you a call in a minute to discuss.

Best,

Shana Holberton
Project Manager
NYC Mayor's Office of Environmental Remediation
100 Gold Street, 2nd Floor, New York, NY 10038
Tel: (212)788-3220
Cell: (917)974-4604
sholberton@dep.nyc.gov
www.nyc.gov/oer

From: Ben Hernandez-Salazar [mailto:bhernandez@impactenvironmental.com]
Sent: Friday, October 25, 2013 2:38 PM
To: Chawla, Shaminder; Holberton, Shana
Cc: Kevin Kleaka; Joel Rogers
Subject: 92 West Tremont Avenue (12CBCP016X) October 10 Meeting Notes

Good Afternoon Shana / Shaminder,

This email memorializes the meeting we had regarding remediation at the 92 West Tremont Avenue, Bronx site (12CBCP016X) on October 10, 2013.

- OER does not require post-remediation groundwater sampling.
- The PersulfOx injections into onsite groundwater wells and application into bottom of hotspot excavation performed on 10/03/13 and 10/04/13 approved.

- The hotspot delineation concept of refining boundary by excavating and disposing soils at the center and collecting sidewall samples to confirm remediation of hotspot soils approved.
- Track 2 Restricted soil cleanup objectives approved for onsite soil reuse. Sample frequency at 1 per 500 cubic yards.
- Revised Sub Slab Depressurization System layout approved. Removal of small SSDS branch beneath first floor slab-on-grade area approved. Require sampling ports at each SSDS branch for TO-15 (2-hr) sample collection at completion of SSDS installation.
- Post-remediation offsite soil vapor testing not required.
- Required end point soil samples reduced to 7-9 bottom samples, no sidewall samples required.
- Visible demarcation layer (such as orange construction fence) to be installed in all open space landscaped areas prior to clean fill cap installation.
- Professional survey required of all bottom of excavation areas in the footprint of the building required to document elevations for delineation. Could be done by Ipmace. A cross-sectional figure would work too.
- OER to be included in future weekly meeting minutes.

Please acknowledge accuracy of these notes by responding to this email.

Thank you,

Ben Hernandez Salazar

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PASSIVE SSDS CONVERSION APPROVAL EMAIL

– DECEMBER 23, 2014

From: Holberton, Shana
To: Ben Hernandez-Salazar
Subject: RE: 12CBCP016X - 92 West Tremont Ave
Date: Tuesday, December 23, 2014 11:52:45 AM

Hi Ben,

I'm glad to see that all of the chlorinated solvents were below DOH guidance values! Based on the analytical results, it's acceptable to run the system passively. Please keep us posted on the completion of SSDS Branch 1.

Best,

Shana Holberton
Project Manager
NYC Mayor's Office of Environmental Remediation
100 Gold Street, 2nd Floor, New York, NY 10038
Direct: (212)788-3220
Mobile: (917)974-4604
sholberton@dep.nyc.gov
www.nyc.gov/oer

From: Ben Hernandez-Salazar [mailto:bhernandez@impactenvironmental.com]
Sent: Monday, December 22, 2014 10:53 AM
To: Holberton, Shana
Cc: Chawla, Shaminder
Subject: RE: 12CBCP016X - 92 West Tremont Ave

Hi Shana,

We have completed the sampling the soil vapor from the three completed SSDS branches at the 92 West Tremont Ave, Bronx site. I have attached the laboratory report and SSDS layout plan for your review and determination whether the system should be active or passive.

Sample ID "SV-1" was collected from riser located in the Basement Level in the southern section of the building, adjacent to the elevator shaft.
Sample ID "SV-2" was collected from riser located in the Basement Level in the Storage area, labeled "SSDS Branch 3".
Sample ID "SV-3" was collected from riser located in the southern portion of the Cellar Level, labeled "SSDS Branch 2".

SSDS Branch #1 has not been completed due to pending underground utility and sewer installations in the "bike storage room" of the cellar level.

Please let me know if you have any questions.

Thanks,

Ben Hernandez Salazar
Project Manager

O: 631-269-8800 Ext. 142
C: 631-334-2354

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From: Holberton, Shana [mailto:SHolberton@dep.nyc.gov]
Sent: Friday, December 5, 2014 10:53 AM
To: Ben Hernandez-Salazar
Cc: Chawla, Shaminder
Subject: RE: 12CBCP016X - 92 West Tremont Ave

Hi Ben,

Yes - 2 hours is sufficient.

Shana

From: Ben Hernandez-Salazar [mailto:bhernandez@impactenvironmental.com]
Sent: Wednesday, December 03, 2014 2:28 PM
To: Holberton, Shana
Cc: Chawla, Shaminder
Subject: RE: 12CBCP016X - 92 West Tremont Ave

Great. Thanks Shana.

Also, is a 2hr sample sufficient? I am scheduled to take these samples next Monday.

Thanks,

Ben Hernandez Salazar
Project Manager

O: 631-269-8800 Ext. 142
C: 631-334-2354

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From: Holberton, Shana [mailto:SHolberton@dep.nyc.gov]
Sent: Tuesday, December 2, 2014 3:37 PM
To: Ben Hernandez-Salazar
Cc: Chawla, Shaminder
Subject: RE: 12CBCP016X - 92 West Tremont Ave

Hi Ben,

I hope you had a good holiday as well!

That's fine if you sample the completes branches now – we can determine whether or not the system needs to run actively or passively with that data.

Best,

Shana Holberton
Project Manager
NYC Mayor's Office of Environmental Remediation
100 Gold Street, 2nd Floor, New York, NY 10038
Direct: (212)788-3220
Mobile: (917)974-4604
sholberton@dep.nyc.gov
www.nyc.gov/oer

From: Ben Hernandez-Salazar [mailto:bhernandez@impactenvironmental.com]
Sent: Tuesday, December 02, 2014 2:47 PM
To: Holberton, Shana
Subject: 12CBCP016X - 92 West Tremont Ave

Hi Shana,

I hope you had a nice holiday weekend. I have a meeting with everyone at Tremont tomorrow to

discuss the SSDS system. Due to several issues with the site sewer connection, we were not able to install the final leg of one of the 4 SSDS branches in the cellar of the building (see attached plan, northern SSDS branch in cellar). Construction phase is at a point where they will be closing up all of the walls throughout the upper floors and will require us to install the SSDS risers ASAP. However the northern cellar room will not be ready to complete the final SSDS branch for a few more weeks. My question is, can we take the bench soil vapor samples from only the three completed SSDS branches now, and will that data be sufficient to determine whether the system should be active or passive?

I am in my office the rest of the day if you would like to discuss over the phone.

Thanks,

Ben Hernandez Salazar
Project Manager

O: 631-269-8800 Ext. 142
C: 631-334-2354

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ONSITE SOIL REUSE AND FINAL COVER USE APPROVAL EMAIL

– APRIL 9, 2015

From: Holberton, Shana
To: Ben Hernandez-Salazar
Subject: RE: 92 West Tremont Avenue (12CBCP016X) Onsite Soil Cover
Date: Thursday, April 9, 2015 4:05:18 PM

Hi Ben,

Thanks for the update. The plan outlined below is acceptable. Because the soil is clean, there is actually no need for a demarcation barrier between it and the topsoil.

Best,

Shana Holberton
Project Manager
NYC Mayor's Office of Environmental Remediation
100 Gold Street, 2nd Floor, New York, NY 10038
Direct: (212)788-3220
Mobile: (917)974-4604
sholberton@dep.nyc.gov
www.nyc.gov/oer

From: Ben Hernandez-Salazar [mailto:bhernandez@impactenvironmental.com]
Sent: Wednesday, April 08, 2015 6:56 PM
To: Holberton, Shana
Subject: RE: 92 West Tremont Avenue (12CBCP016X) Onsite Soil Cover

Hi Shana,

It looks like we will be installing the final portion of the SSDS in the 92 West Tremont site. The GC is also preparing to begin work on the landscaped areas in the rear of the building within the next two weeks. As previously discussed in the emails below, Promesa is requesting to forego the 2 foot clean fill cap in the rear landscaped areas since it is comprised of the sampled reuse material which met Residential SCOs. The plan is place 12-inches of topsoil then seed and plant as per the attached landscaped plan. Due to the location and steep slope of the rear yard, it is not intended to be utilized by residents or visitors of the Site.

Would the current soil data and the placement of a demarcation barrier below the topsoil be sufficient for this area?

Please let me know how we can proceed? Feel free to give me a call to discuss.

Thanks,

Ben Hernandez Salazar
Project Manager

O: 631-269-8800 Ext. 142
C: 631-334-2354

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From: Ben Hernandez-Salazar
Sent: Wednesday, September 3, 2014 4:09 PM
To: 'Holberton, Shana'
Subject: RE: 92 West Tremont Avenue (12CBCP016X) Onsite Soil Cover

Hi Shana,

So So sorry it took me this long to respond to your email below! I have attached the comparison table for the reuse soil stockpiles and the locations where the material was reused for your reference. The soil was reused in the southeast corner of the site, used as an embankment adjacent to the cellar level terrace structure. The second area where the soil was reused was on the northern corner of the site for stabilization of the remaining rubble retaining wall. I have outlined the reuse locations on the attached plan. A portion of the material was also reused to re-grade and backfill the exterior terrace areas prior to pouring the concrete deck slabs.

Let me know if you have any questions or require additional information.

Thanks,

Ben Hernandez Salazar
Project Manager

O: 631-269-8800 Ext. 142
C: 631-334-2354

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From: Holberton, Shana [mailto:SHolberton@dep.nyc.gov]
Sent: Wednesday, July 30, 2014 3:03 PM
To: Ben Hernandez-Salazar
Cc: Chawla, Shaminder
Subject: RE: 92 West Tremont Avenue (12CBCP016X) Onsite Soil Cover

Hi Ben,

OER has no issue with using the stockpiled material as stabilization for the rubble retaining wall. We have a couple questions regarding use in the landscaped area. A) Are you able to create (or have the lab supply you with) an excel sheet showing a comparison of the results to Unrestricted Use and Restricted Residential Use? B) What area of the rear landscaped area are you planning to use the material in? The RAWP addendum states that the "southeastern portion of the Site will maintain a landscaped yard area with an approximate footprint of 3,600 ft^2. Approximately 1,150 ft^2 of this landscaped area will be covered by a concrete patio." Are you planning to use the stockpiled soil in both covered and uncovered landscaped areas?

Thanks,

Shana Holberton
Project Manager
NYC Mayor's Office of Environmental Remediation
100 Gold Street, 2nd Floor, New York, NY 10038
Tel: (212)788-3220
Cell: (917)974-4604
sholberton@dep.nyc.gov
www.nyc.gov/oer

From: Ben Hernandez-Salazar [mailto:bhernandez@impactenvironmental.com]
Sent: Monday, July 28, 2014 6:07 PM
To: Holberton, Shana
Subject: 92 West Tremont Avenue (12CBCP016X) Onsite Soil Cover

Hi Shana,

As I briefly mentioned in our conversation last week, the new building structure has been completed at the 92 West Tremont Ave site and I have been asked to verify if it will be permissible to use onsite soil that was sampled for reuse and meets Track 2 Restricted Residential Use SCOs as the cover in

the rear landscaped areas of the site. Due to the space restrictions and the steep elevation change on the site, it would be extremely difficult to import clean fill and place a 2-foot cover throughout the sloped landscaped area. I reviewed my meeting notes from our October 10, 2013 RAWP Addendum meeting and I had noted that a mention was made about allowing onsite soils meeting Track 2 to be used as the cover.

I have attached the results of stockpiled excavated soil for reuse as backfill (1/500CY). Prior to completing the building the remaining volume of this material was placed in the rear landscaped area and in the northern portion of the site as stabilization for the rubble retaining wall along W Tremont. Could you confirm if this material can remain as the landscape cover?

Please let me know if you would like to discuss over the phone.

Thanks,

Ben Hernandez Salazar
Project Manager

O: 631-269-8800 Ext. 142
C: 631-334-2354

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APPENDIXI N

REMEDIAL INVESTIGATION REPORT

Remedial Investigation Report

June 2011

conducted at:

60 West 177th Street - 92 West Tremont Avenue

Bronx, New York

Tax Map Designation: *Block 2867, Lots 125 & 128*

BCP # 12CBCPO16X

prepared for:

Promesa Systems Inc.

300 East 175th Street

Bronx, New York

report user:

New York City Office of Environmental Remediation

253 Broadway, 14th Floor

New York, NY 10007

IE Project Number: 2166-02-04-4001

170 Keyland Ct Bohemia, New York 11754 ❖ 631.269.8800 telephone ❖ 631. 269.1599 facsimile ❖

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APPENDICES

Appendix A: Phase I ESA Report, dated June 3, 2008.
Appendix B: Phase I ESA Report Update, dated January 27, 2010
Appendix C: Health and Safety Plan
Appendix D: Soil Boring Geologic Logs
Appendix E: Sampling Logs
Appendix F: Laboratory Data Deliverables for Soil Analytical Data
Appendix G: Laboratory Data Deliverables for Groundwater Analytical Data
Appendix H: Laboratory Data Deliverables for Soil Vapor Analytical Data

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC BCP	New York City Brownfield Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, James Cressy, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 60 West 177th Street/92 West Tremont Avenue, Bronx NY "the Site". I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

James Cressy 6/24/2011

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The Remedial Investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 60 West 177th Street/92 West Tremont Avenue in the Bronx, New York and is identified as Block 2867 and Lots 125 & 128 on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 25,475-square feet and is bounded to the north by West Tremont Avenue and beyond by residential apartments, to the south by residential apartments, to the east by West 177th Street and beyond by residential apartment, to the west by residential apartments. A map of the site boundary is shown in **Figure 2**. Currently, the Site is unimproved/vacant land. The Site exhibits high topographic relief, with the highest elevation on the southwestern boundary and the lowest elevation on the northeastern boundary.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a five story senior citizens' residence. Layout of the proposed site development is presented in **Figure 3**. The current zoning designation is R7-1 Vacant Zoned Residential (V0). The proposed use is consistent with existing zoning for the property.

The Site is slated for redevelopment for one five-story residential apartment building with a cellar level. The proposed building consists of 61 apartment units from the first to the fifth floor. The cellar level will be utilized for utility, maintenance rooms, storage rooms, office space and one residential apartment. The excavation depth of the cellar will be 12'- 6". Groundwater is not expected to be encountered during these activities. The proposed building will not cover the entire footprint of the Site. Specifically, the south eastern portion of the Site will maintain a landscaped yard area with an approximate footprint of 3,600 ft^2. Approximately 1,150 ft^2 of this landscaped area will be covered by a concrete patio.

Summary of Past Uses of Site and Areas of Concern

A review of historic records revealed that Lot 125 has been utilized as a dry-cleaning facility since at least 1948 to approximately 1979. The building maintained on this Lot was listed as being serviced by a fuel oil fired heating system. The historic use of Lot 128 consisted of a parking lot.

The first AOC is a PCE and other organic carbon impacted soil area, located on the central portion of Lot 125. This area is where the former dry cleaning facility was maintained.

The second AOC is the marginally PCE impacted groundwater.

The third AOC is PCE impacted soil vapor

The fourth AOC is historical fill.

Summary of the Work Performed under the Remedial Investigation

Impact Environmental performed the following scope of work:

Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);

Installed a total of twenty-three soil borings across the entire project Site, and collected a total of forty-three soil samples for chemical analysis from the soil borings to evaluate soil quality. Samples were collected in two phases with the second phase focused, in part, on the area of the dry cleaner;

Installed six groundwater monitoring wells throughout the Site to establish groundwater flow and collected five groundwater samples for chemical analysis to evaluate groundwater quality. One well was dry;

Installed a total of thirteen (and one ambient sample) soil vapor probes around Site perimeter and collected thirteen samples for chemical analysis. Samples were collected in two phases with the second phase focused, in part, on the area down-hydraulic gradient from the dry cleaner, offsite and ambient air.

Summary of Environmental Findings

1. Elevation of the property ranges from approximately 100 to 70 feet above sea level.
2. Depth to groundwater ranges from 13.64 to 15.00 feet at the Site.
3. Groundwater flow is generally from the northeast towards the south southwest, south and south southeast to beneath the Site.
4. Depth to bedrock is approximately 19 feet below existing grade (BEG) at the Site.
5. Soil/fill samples collected during the RI showed the presence of urban fill from grade to approximately 10' below existing grade (BEG). Forty-three shallow and deep soil samples were collected and analyzed for VOCs at 23 locations. Several compounds (1,4 dichlorobenzene, toluene, acetone) were found above Track 1 SCOs at depth in one sample location (SP-4). This

sample was collected in the vicinity of the former dry cleaner in the west central portion of the property and also contained a variety of other parameters below Track 1 Unrestricted SCOs, including PCE. TCE was not detected in soil at this property. All VOCs in all soil samples were below Track 2 Restricted Residential SCOs. In the first round including 27 samples, acetone was not detected. In a second round including 16 samples, acetone was detected in all samples at concentrations in a narrow range between about 25 and 60 ug/kg (including some above Track 1 Unrestricted SCOs), suggesting lab interference. A supplemental sampling round performed to delineate VOCs in the area of the dry cleaner showed that the area of predominant VOC impact was limited to the immediate area of SP-4. Overall, PCE was detected in 5 of 43 samples and all below the Track 1 Unrestricted SCOs. These findings correlate with the area of historic dry cleaning activities on Lot 125 and are probably associated with past dry cleaning operations. 1,4 dichlorobenzene was the only other VOC detected at multiple locations and all detections were at levels well below Track 1 SCOs (except in SP-4 noted above). The findings of soil, groundwater and soil vapor do not support a significant PCE or VOC source area onsite or significant disposal onsite. Removal of all soil/fill in this area (to bedrock) is expected in the area of the former dry cleaner during the remedial action. Only three SVOCs (PAH compounds) were detected in soils at low levels and included only one exceedence of Track 1 Unrestricted SCOs in one sample. No PCBs were detected in any soil sample. Eight pesticides were detected soils on this property, including four that were identified above Track 1 Unrestricted SCOs and Track 2 Restricted Residential SCOs, and four that exceeded Track 1 Unrestricted SCOs; However these compounds did not exceed Track 2 Restricted Residential SCOs. Generally, pesticides were detected at highest concentrations in shallow soils (0-2 feet). Metals were detected in soils at levels characteristic for historical fill. Lead was detected above Track 1 in a variety of samples but only exceeded Track 2 Restricted Residential SCOs in 4 samples, and all below 700 mg/kg. Mercury was detected in a variety of samples above Track 1 SCOs but only exceeded Track 2 Restricted Residential SCOs in 3 samples and all were below 2.5 mg/kg. Barium and cadmium were also detected in at least one sample above Track 2 Restricted Residential SCOs. Other metals exhibited marginal exceedence of Track 1 Unrestricted SCOs.

6. Groundwater samples collected during the RI from five wells showed no detectable concentrations of SVOCs, pesticides or PCBs. Five VOC were detected including chloroform above TOGS in three wells and PCE and TCE slightly above TOGS in two wells and one well, respectively. VOC concentrations are relatively low and similar to the soil results, do not support significant disposal of chlorinated hydrocarbons onsite. No clear pattern of VOC occurrence in groundwater was observed. For instance, a low concentration of PCE was found in the area of

the former dry cleaner but was also identified in upgradient well MW-3 and was not identified in downgradient well MW-1. Lead exceeds TOGS in unfiltered groundwater samples and barium and chromium were identified at TOGS levels in one well. These groundwater metals samples are unfiltered and exhibit evidence of turbidity. With regards to mercury, analytical MDLs exceed TOGS limits.

7. Soil vapor samples collected at eight locations during the initial sampling round showed a common occurrence of BTEX and associated derivatives at relatively low levels (most detections were below 10 ug/m3) and suggest a local influence of automotive fuel. Sources may include onsite soils and releases along West Tremont Avenue, a major vehicular thoroughfare that is located immediately north of the property. TCE was identified in one location at trace concentrations (below 1 ug/m^3) and PCE was found in 2 of eight locations, including one location hydraulic down-gradient from the former dry cleaner at a concentration of approximately 187ug/m^3. These results, with other results reported for soil and groundwater, support an onsite origin of PCE, probably associated with dry cleaning operations, but does not support a significant source area onsite or significant disposal onsite. Supplemental onsite soil vapor samples collected during the second round of sampling supported this conclusion. However, several supplemental offsite background soil vapor samples, in areas where corresponding onsite soil vapor were non-detect for PCE, showed anomalously high PCE concentrations, orders of magnitude higher than found onsite, as did an ambient air sample, and suggest a possible sampling error. These offsite soil vapor samples will be repeated during the remedial action phase of this project using a different laboratory. Acetone was found in all soil vapor samples with maximum concentrations of approximately 800 ug/m^3. Acetone was identified ubiquitously in the second round of onsite soil samples independent of past usage but was not identified in any sample from the initial round, and was only found in the upgradient groundwater well (MW-3).

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Promesa Systems has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 0.59-acre site located at 60 West 177th Street/92 West Tremont Avenue in the Bronx, New York. Residential use is proposed for the property. The RI work was performed between February 2010 and June 2011. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 60 West 177th Street/92 West Tremont Avenue in the Bronx, New York and is identified as Block 2867 and Lots 125 & 128 on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 25,475 ft^2 and is bounded to the north by West Tremont Avenue and beyond by residential apartments, to the south by residential apartments, to the east by West 177th Street and beyond by residential apartments, to the west by residential apartments. A map of the site boundary is shown in **Figure 2**. Currently, the Site is unimproved/vacant land. The Site exhibits high topographic relief, with the highest elevation on the southwestern boundary and the lowest elevation on the northeastern boundary.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a five story senior citizens' residence. Layout of the proposed site development is presented in **Figure 3**. The current zoning designation is R7-1 Vacant Zoned Residential (V0). The proposed use is consistent with existing zoning for the property.

The Site is slated for redevelopment for one five-story residential apartment building with a cellar level. The proposed building consists of 61 apartment units from the cellar to the fifth floor. The cellar level will be used for utility and maintenance rooms, residential related uses and for one apartment. The excavation depth of the cellar will be 12'- 6". Groundwater is not expected to be encountered during these excavating activities. The proposed building will not cover the entire footprint of the Site. Specifically, the southeastern portion of the Site will maintain a landscaped yard area with an approximate footprint of 3,600 ft^2. Approximately 1,150 ft^2 of this landscaped area will be covered by a concrete patio.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The contiguous properties are utilized as residential apartments. The character of the neighborhood is primarily residential apartments with few stores maintained on the first floors. One daycare facility is located within 250' to the southeast of the Site and three public schools are located within a 500' radius of the Site. **Figure 4** shows the surrounding land usage.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

A review of historic records revealed that Lot 125 has been utilized as a dry-cleaning facility since at least 1948 to approximately 1979. The building maintained on this Lot was listed as being services by a fuel oil fired heating system. The historic use of Lot 128 consisted of a parking lot.

2.2 PREVIOUS INVESTIGATIONS

The Phase I ESA, dated June 3, 2008, conducted by Impact Environmental revealed that the Site had historically been utilized as a dry-cleaning facility since at least 1948 to approximately 1979. No documentation was available regarding the handling and disposal practices associated with the chemicals utilized by the former dry-cleaning facility maintained on the Site. This lack of documentation represents a recognized environmental condition. Accordingly, it was recommended that a subsurface investigation be conducted to determine if the Site has been impacted by historic onsite activities. In addition, review of New York City Building Department records revealed that the building formerly maintained on the Site was serviced by a fuel oil fired boiler. No documentation was available regarding the proper decommissioning of the oil storage tank historically maintained on the Site. In addition, the onsite inspection revealed the presence of urban fill on the Site. Accordingly, it was recommended that a ground penetrating radar survey be conducted to determine if a tank is present on the Site. Further, it was recommended that a subsurface investigation be conducted to determine if the Site has been adversely impacted.

The Phase II ESA, dated July 30, 2008, completed by Impact Environmental revealed that the Site had been impacted by the historic onsite activities. Specifically, a total of twenty-seven subsurface soil samples were obtained for laboratory analysis from the Site. Soil analytical data is reported in **Table 4.** A map of sampling locations is shown in **Figure 6**. In addition, sample characterization revealed a slight chemical odor in several of the representative samples. The results of the soil samples revealed concentration of several VOCs above the applicable guideline criteria in the soil, as discussed below. In addition, concentrations of target semi-volatile organic compounds, target pesticides and inorganic analytes were detected at concentrations above the applicable guideline criteria. Groundwater could not be obtained at the time of this investigation due to refusal.

2.3 SITE INSPECTION

An inspection of the Site was conducted by James Cressy, a Qualified Environmental Professional (QEP) on June 6, 2011. The findings of this inspection were consistent with previous Site inspections. Specifically, the Site is vacant land and did not maintain any structures. Fill material (brick, concrete, trash) were noted on the surface area of the Site. No obvious signs of staining or continuation were noted during the inspection of the Site.

2.4 AREAS OF CONCERN

The Areas of Concerns (AOCs) identified for this site include:

1. The first AOC is the PCE impacted soil area, located on the central portion of Lot 125. This area is where the former dry cleaning facility was maintained.
2. The second AOC is the marginally PCE impacted groundwater.
3. The third AOC is PCE impacted soil vapor.
4. The fourth AOC is historical fill.

Phase I ESA Report is presented in **Appendix A**. A map showing areas of concern is presented in **Figure 5**.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is James Cressy.

3.2 HEALTH AND SAFETY

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 MATERIALS MANAGEMENT

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Impact Environmental performed the following scope of work:

Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);

1. Installed a total of twenty-three soil borings across the entire project Site, and collected a total of forty-three soil samples for chemical analysis from the soil borings to evaluate soil quality;
2. Installed six groundwater monitoring wells throughout the Site to establish groundwater flow and collected six groundwater samples for chemical analysis to evaluate groundwater quality;
3. Installed a total of thirteen (and one ambient sample) soil vapor probes around Site perimeter and collected thirteen samples for chemical analysis.

4.1 GEOPHYSICAL INVESTIGATION

No geophysical investigation information has been provided to Impact Environmental. In addition, Impact Environmental is not aware of any geophysical investigations conducted on the Site.

4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

In the second phase of sampling, as approved by OER, a total of seventeen soil borings, six groundwater monitoring wells and thirteen soil vapor samples were acquired. In general, the first 6-10 feet of soil consisted of urban fill (concrete, brick, glass), mixed with soil. Native soil appeared to be present below this urban fill layer to bedrock. The native soil appeared to be brown to light brown in color, with no visual, olfactory or obvious signs of chemical contamination. PID levels of the soil were all below 5ppm. Bedrock was encountered at depths ranging from

Boring logs were prepared by Impact Environmental and are attached in **Appendix D**. A map showing the location of soil borings and monitor wells is shown in **Figure 6**.

Groundwater Monitoring Well Construction

Six 2-inch monitoring wells **(MW-1 through MW-6)** were installed at depths ranging from approximately 25 feet BEG to 33 feet BEG on the Site. The wells were installed using a continuous sonic drilling technique. Each well was constructed of 10 feet of screened interval (0.020 slot size, schedule 40, PVC) five above the groundwater interface and five below. The annular space between the boring and the screened casing was filled with a filtration media which extended 2 feet above the top of the screen. The annular space 1 foot above the filtration media was sealed with bentonite. The remainder of the bore hole was filled with grout. The monitoring well was finished with a locking monitoring well cover.

Monitor well locations are shown in **Figure 6**.

Survey

The location of the Soil borings and groundwater monitoring wells were chosen based on the former use of the Site and the 2008 subsurface investigation previously conducted on the Site.

Water Level Measurement

Field measurements were secured from each monitoring well during the development process to provide data regarding physical groundwater characteristics. Groundwater was measured utilizing an oil/water interface meter. The development water was field analyzed for pH, specific conductivity and temperature. Results of the field measurements were utilized to establish steady state conditions within the groundwater aquifer. Following development, one water sample was acquired from each of the monitoring wells utilizing a dedicated disposable bailer to prevent cross-contamination. All of the samples were transferred with minimal disturbance into the appropriate vessels.

Water level data is included in **Table 2**.

4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

The soil samples selected for laboratory analysis were containerized in the appropriate vessels, preserved at 4°C in a cooler and transported under proper chain-of-custody procedures to a NYS-DOH certified commercial laboratory for analysis.

A total of forty-three soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in **Table 4**. **Figure 6** shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

The groundwater samples selected for laboratory analysis were containerized in the appropriate vessels, preserved at 4°C in a cooler and transported under proper chain-of-custody procedures to a NYS-DOH certified commercial laboratory for analysis.

Five groundwater samples were collected for chemical analysis during this RI. One well was dry when sampling was performed. Groundwater sample collection data is reported in **Table 5**. Sampling logs with information on purging and sampling of the groundwater monitoring wells is included in **Appendix E**. **Figure 6** shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

A soil vapor survey was performed on-site and off-site, as approved by OER. The survey was performed utilizing a Geoprobe® system, implant sampling points, and summa canisters. The soil vapor samples were collected from a depth of 10' BEG. Said depth is consistent with the proposed basement excavation. These sampling activities are consistent with the guidelines and procedures of OER.

Thirteen soil vapor probes were installed and thirteen soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in **Figure 6**. Soil vapor sample collection data is reported in **Table 6**. Soil vapor sampling logs are included in Appendix H. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by James Cressy
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Accutest Laboratories and Analytical Chemists
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters..

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in **Tables 4, 5** and **6**, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in **Appendix F**, **G** and **H**, respectively.

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Stratigraphy

The first 6'-10' of soil appeared to be consistent with urban fill (brick, concrete, glass) mixed with soil. The indigenous soil beneath this strata appeared to be brown to light brown in color with a medium to course texture to approximately 19' BEG. Bedrock is encountered at a depth of approximately 19' BEG. In addition, pieces of bedrock were encountered during this RI at varying depths across the Site.

Hydrogeology

A table of water level data for all monitor wells is included in **Table 2**. The average depth to groundwater is 13.64 and the range in depth is 11.87 to 15.00. A map of groundwater level elevations with groundwater contours and inferred flow lines is shown in **Figure 7**. Groundwater flow is from the northeast towards the south southwest, south and south southeast.

5.2 SOIL CHEMISTRY

The laboratory analysis performed on the subsurface soil samples consisted of United States Environmental Protection Agency (USEPA) Test Method 8260 for target volatile organic analytes; USEPA Test Method 8270 for target semi-volatile organic analytes, USEPA Test Method 6010 for target inorganic analytes and USEPA Test Method 8081 and 8082 for target pesticides and PCBs.

Soil/fill samples collected during the RI showed the presence of urban fill from grade to approximately 10' below existing grade (BEG). Forty-three shallow and deep soil samples were collected and analyzed for VOCs at 23 locations. Several compounds (1,4 dichlorobenzene, toluene, acetone) were found above Track 1 SCOs at depth in one sample location (SP-4) at depth. This sample was collected in the vicinity of the former dry cleaner in the west central portion of the property and also contained a variety of other parameters below Track 1 Unrestricted SCOs, including PCE. TCE was not detected in soil at this property. All VOCs in all soil samples were below Track 2 Restricted Residential SCOs. In the first round including 27 samples, acetone was not detected. In a second round including 16 samples, acetone was detected in all samples at concentrations in a narrow range between about 25 and 60 ug/kg (including some above Track 1 Unrestricted SCOs), suggesting lab interference. A supplemental sampling round performed to delineate VOCs in the area of the dry cleaner showed that the area of predominant VOC impact was limited to SP-4. Overall, PCE was detected in 5 of 43 samples and all below the Track 1 Unrestricted SCOs. These findings correlate with the area of historic dry cleaning activities on Lot 125 and

are probably associated with past dry cleaning operations. 1,4 dichlorobenzene was the only other VOC detected at multiple locations and all detections were at levels well below Track 1 SCOs (except in SP-4 noted above). The findings of soil, groundwater and soil vapor do not support a significant PCE or VOC source area onsite or significant disposal onsite. Removal of all soil/fill in this area is expected in the area of the former dry cleaner during the remedial action.

Only three SVOCs (PAH compounds) were detected in soils at low levels and included only one exceedence of Track 1 Unrestricted SCOs in one sample. No PCBs were detected in any soil sample. Eight pesticides were detected soils on this property, including 4 that were identified above Track 1 Unrestricted SCOs and Track 2 Restricted Residential SCOs, and four that exceeded Track 1 Unrestricted SCOs but did not exceed Track 2 Restricted Residential SCOs. Generally, pesticides were detected at highest concentrations in shallow soils (0-2 feet).

Metals were detected in soils at levels characteristic for historical fill. Lead was detected above Track 1 in a variety of samples but only exceeded Track 2 Restricted Residential SCOs in 4 samples, and all below 700 mg/kg. Mercury was detected in a variety of samples above Track 2 SCOs but only exceeded Track 2 Restricted Residential SCOs in 3 samples and all were below 2.5 mg/kg. Barium and cadmium were also detected in at least one sample above Track 2 Restricted Residential SCOs. Other metals exhibited marginal exceedence of Track 1 Unrestricted SCOs.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 4. Figure 8 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Restricted Residential Soil Cleanup Objectives.

5.3 GROUNDWATER CHEMISTRY

The laboratory analysis performed on the samples secured from groundwater monitoring wells MW-1 through MW-5 consisted of USEPA Test Method 8260 for target volatile organic analytes, USEPA Test Method 8270 for target semi-volatile organic analytes, USEPA Test Method 6010 for target inorganic analytes and USEPA Test Method 8081 and 8082 for target pesticides and PCBs.

Groundwater samples collected during the RI from five wells showed no detectable concentrations of SVOCs, pesticides or PCBs. Five VOC were detected including chloroform above TOGS in three wells and

PCE and TCE slightly above TOGS in two wells and one well, respectively. VOC concentrations are relatively low and, like soil results, do not support significant disposal of chlorinated hydrocarbons onsite. No clear pattern of VOC occurance in groundwater was observed. For instance, a low concentration of PCE was found in the area of the former dry cleaner but was also identified in upgradient well MW-3 and was not identified in downgradient well MW-1. Lead exceeds TOGS in unfiltered groundwater samples and barium and chromium were identified at TOGS levels in one well. These groundwater metals samples are unfiltered and exhibit evidence of turbidity. For mercury, analytical MDLs exceed TOGS limits.

The standards and/or guidance values for these analytes are intended for the protection of drinking water sources. The groundwater of the Site is not a source of potable drinking water.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in **Table 5**. Exceedence of applicable groundwater standards are shown.

Figure 9 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

5.4 SOIL VAPOR CHEMISTRY

The laboratory analysis performed on the soil vapor samples secured from the Site consisted of USEPA Test Method TO-15 for target volatile organic analytes.

Soil vapor samples collected at eight locations during the initial sampling round showed a common occurance of BTEX and associated derivatives at relatively low levels (most detections were below 10 ug/m^3) and suggest a local influence of automotive fuel. Sources may include onsite soils and releases along West Tremont Avenue, a major vehicular thoroughfare is located immediately north of the property. TCE was identified in one location at trace concentrations (below 1 ug/m^3) and PCE was found in two of eight locations, including one location down hydraulic gradient from the former dry cleaner at a concentration of approximately 187 ug/m^3. These results, with other results reported for soil and groundwater, support an onsite origin of PCE, probably associated with dry cleaning operations, but do not support a significant source area onsite or significant disposal onsite. Supplemental onsite soil vapor samples collected during the second round of sampling supported this conclusion. However, several

supplemental offsite background soil vapor samples, in areas where corresponding onsite soil vapor were non-detect for PCE, showed anomalously high PCE concentrations, orders of magnitude or more higher than found onsite (as did an ambient air sample) suggesting a potential laboratory and/or sampling error. These offsite soil vapor samples sampling will be repeated during the remedial action phase of this project using a different laboratory. Acetone was found in all soil vapor samples with maximum concentrations of approximately 800 ug/m^3. Acetone was identified ubiquitously in the second round of onsite soil samples independent of past usage but was not identified in any sample from the initial round, and was only found in the upgradient groundwater well (MW-3).

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in **Table 6**.

Figure 10 shows the location and posts the values for soil vapor samples with detected concentrations.

5.5 PRIOR ACTIVITY

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 IMPEDIMENTS TO REMEDIAL ACTION

There are no known impediments to remedial action at this property.

Site-Specific Standards, Criteria and Guidance

- 6 NYCRR Part 371 - Identification and Listing of Hazardous Wastes
- 6 NYCRR Part 375 - Inactive Hazardous Waste Disposal Sites
- 6 NYCRR Parts 700-706 - Water Quality Standards (June 1998)
- STARS #1 - Petroleum-Contaminated Soil Guidance Policy
- TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations
- Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (October 1994)
- Technical Guidance for Screening Contaminated Sediments (January 1999)
- NYSDOH Indoor Air Sampling & Analysis Guidance (August 8, 2001 or subsequent update)
- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (draft October 2004 or subsequent final draft)
- DER Interim Strategy for Groundwater Remediation at Contaminated Sites in New York State
- 6 NYCRR Part 612 - Registration of Petroleum Storage Facilities (February 1992)
- 6 NYCRR Part 613 - Handling and Storage of Petroleum (February 1992)
- 6 NYCRR Part 614 - Standards for New and Substantially Modified Petroleum Storage Tanks (February 1992)
- 40 CFR Part 280 - Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks

Impact Environmental
Remedial Investigation Report
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Figures

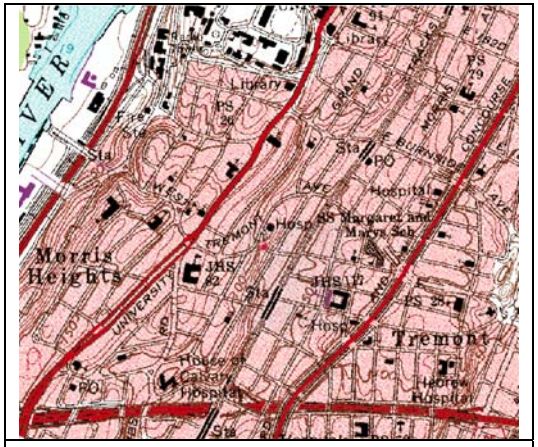

Figure 1: Site Map

Tax Map Designation:
Block 2867; Lots 125 & 128

60 West 177th Street/92 West Tremont Avenue
Bronx, New York

USGS Topographic Map.

Figure 2: Site Boundary Map

IMPACT ENVIRONMENTAL

170 KEYLAND COURT
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NEW YORK, NEW YORK 10036
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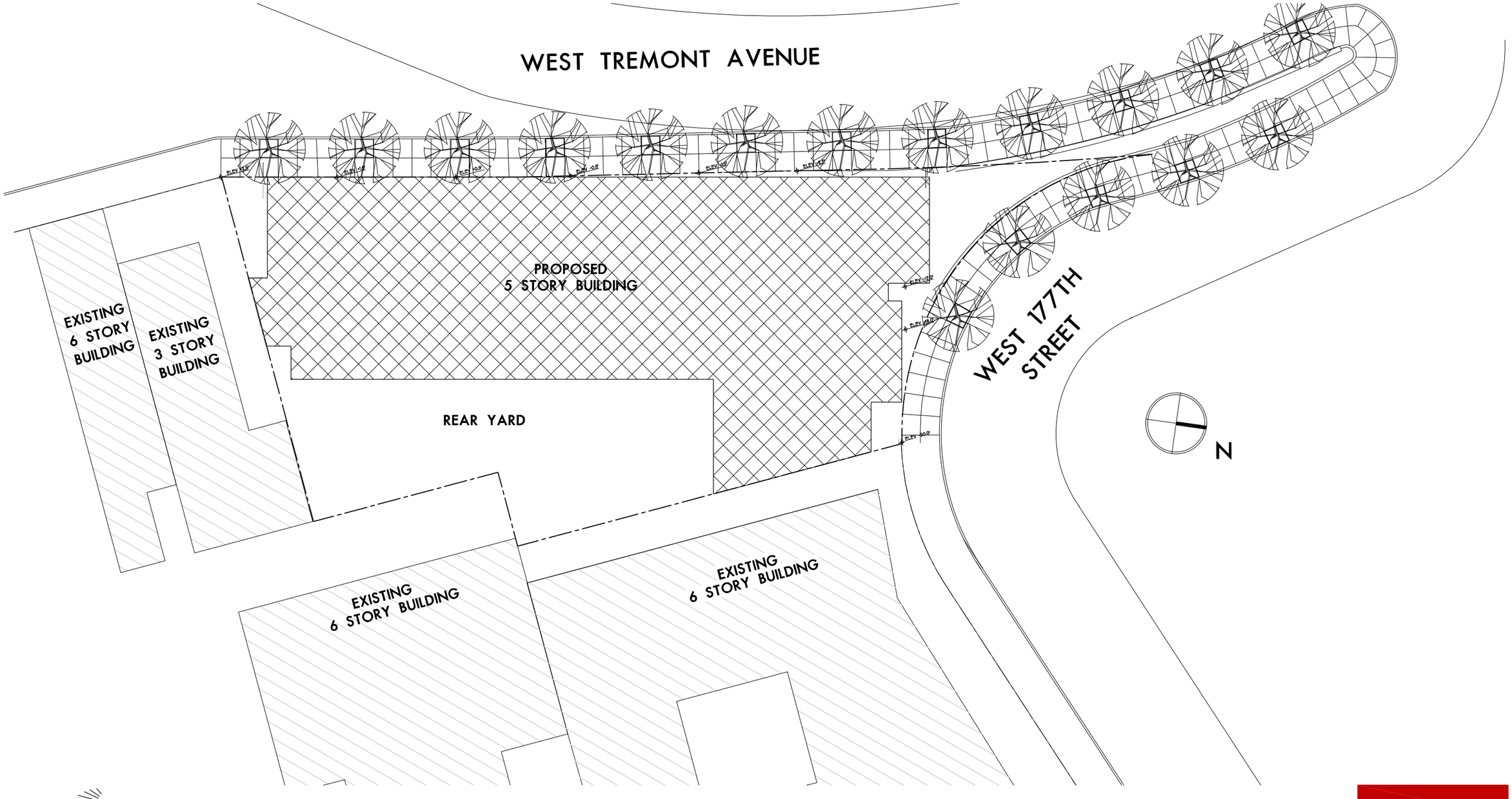
New York State Geographic Information System
2001 Half Foot Natural Color Long Island Zone



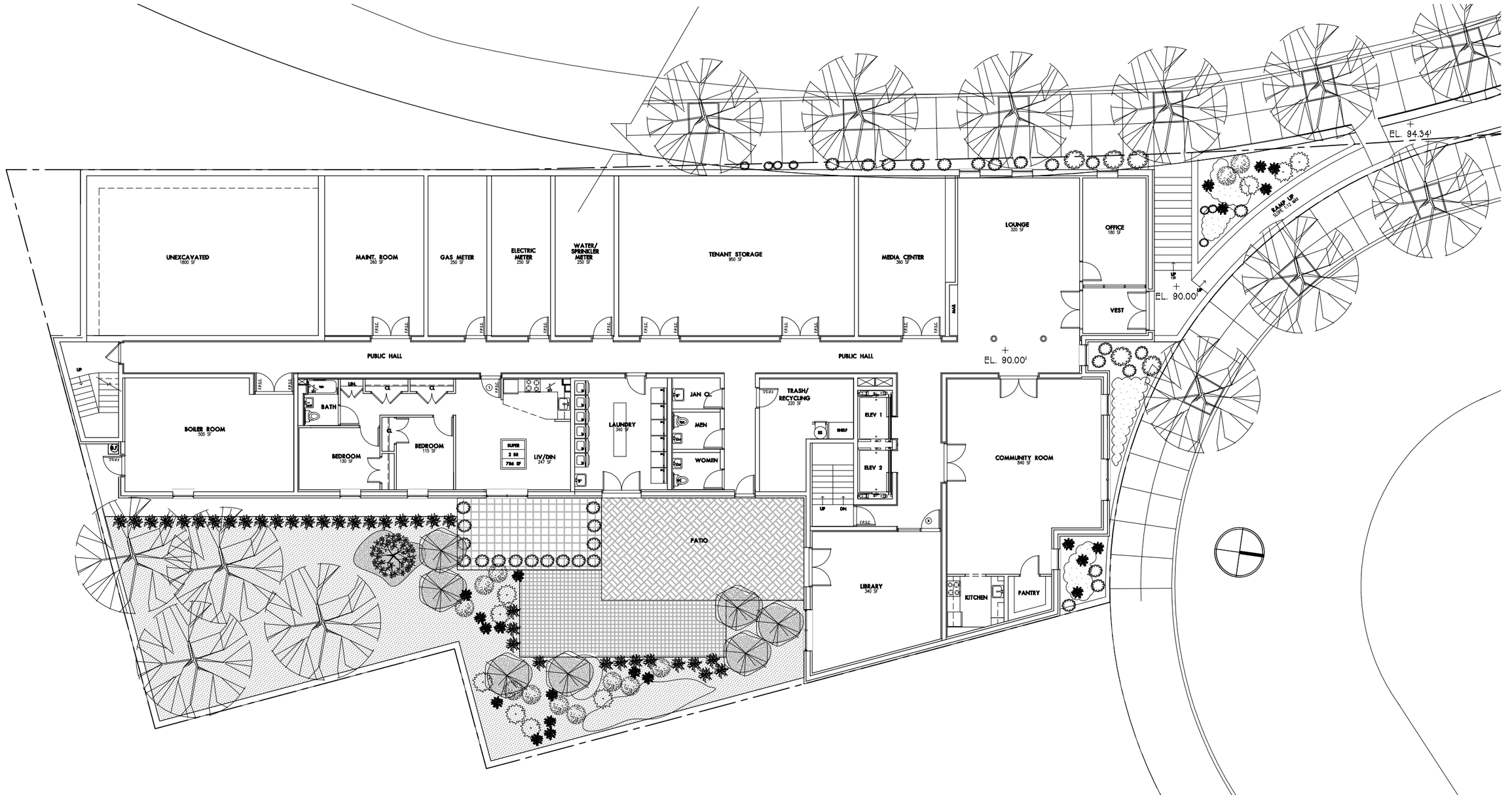
PROMESA

SK-01

SCHEMATIC SITE PLAN

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/3/10

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728



PROMESA

SK-02

SCHEMATIC PLAN - BASEMENT

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/3/10

OCV
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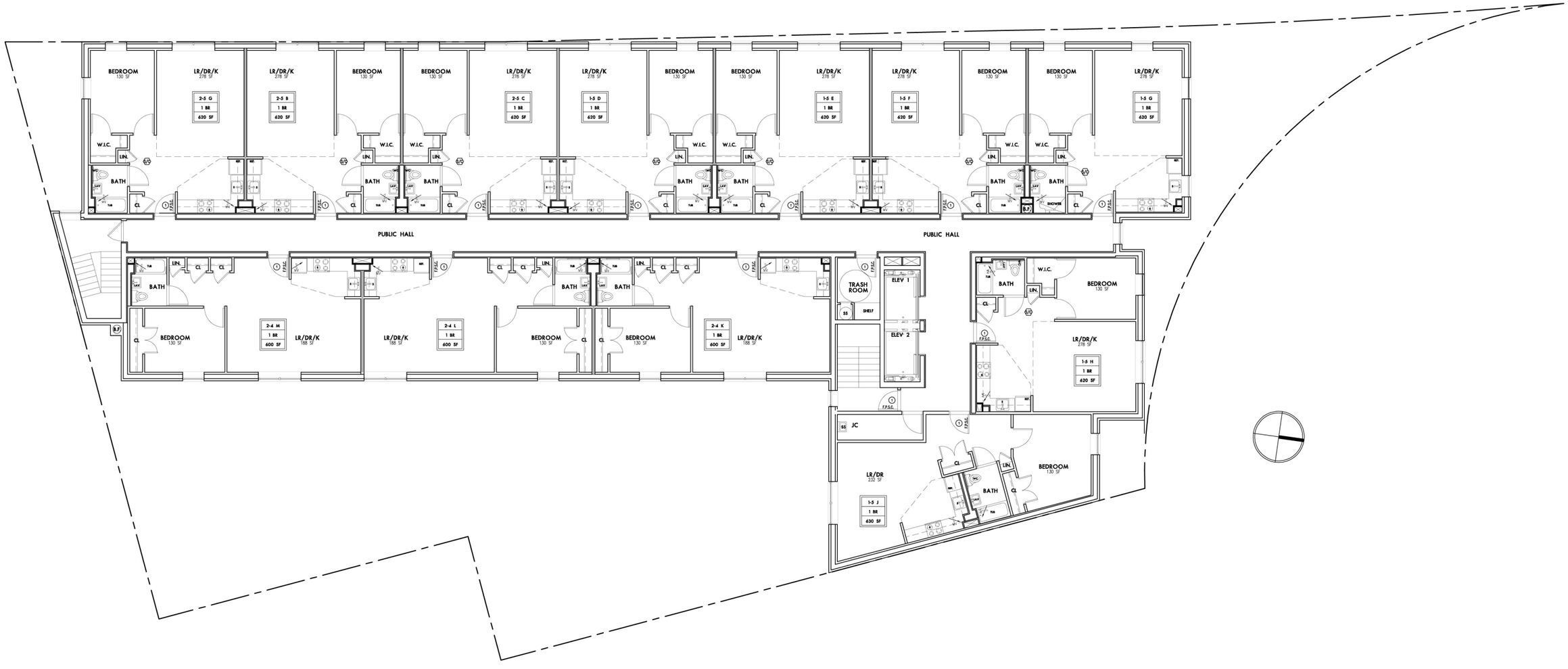
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728



PROMESA

SK-03

SCHEMATIC PLAN - FLOORS 1-5

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/3/10

OCV
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PROMESA

SK-04

WEST TREMONT ELEVATION

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/03/10

OCV
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ARCHITECTS
WWW OCVARCH COM
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PROMESA

SK-05

WEST 177th STREET ELEVATION

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/3/10

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
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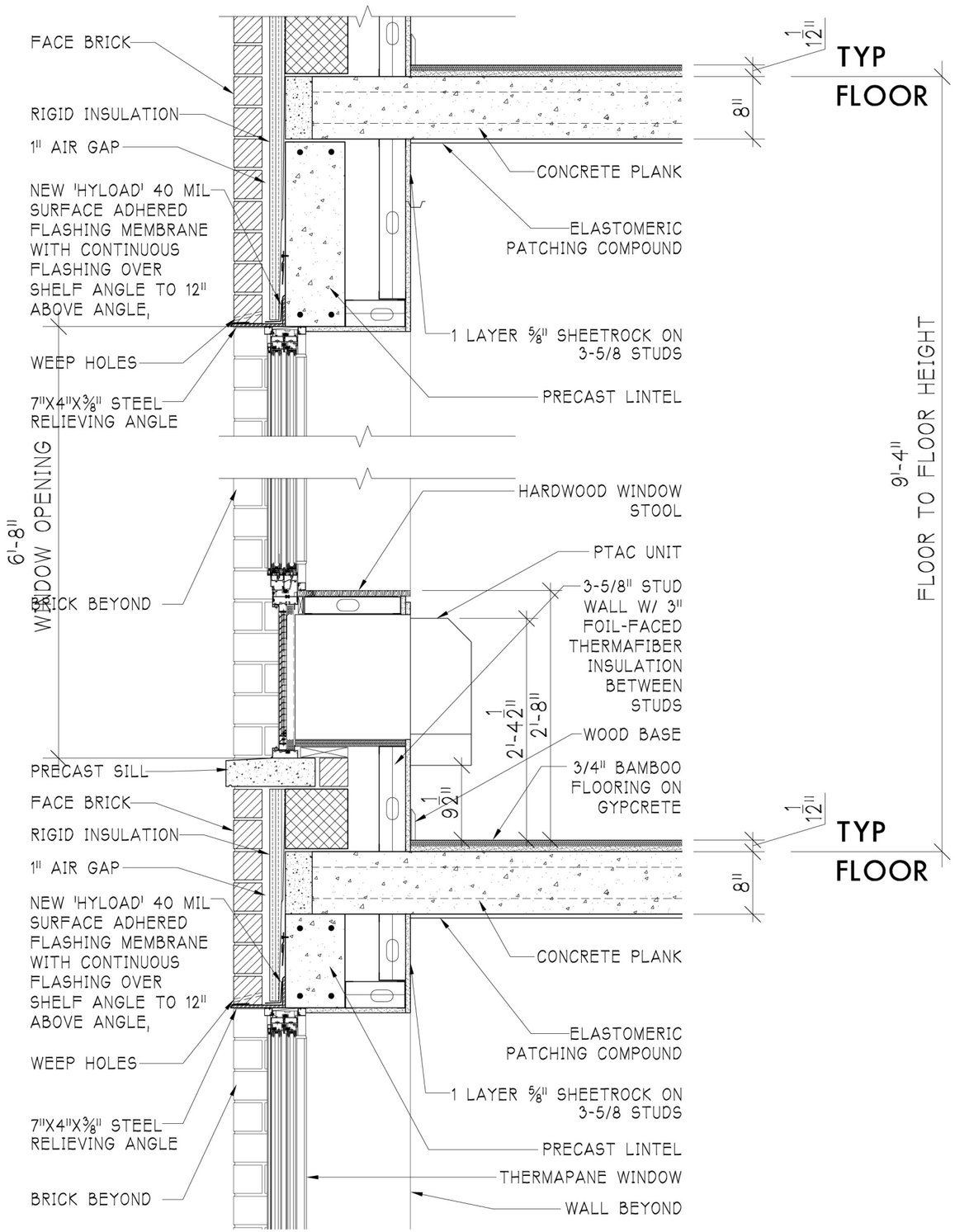
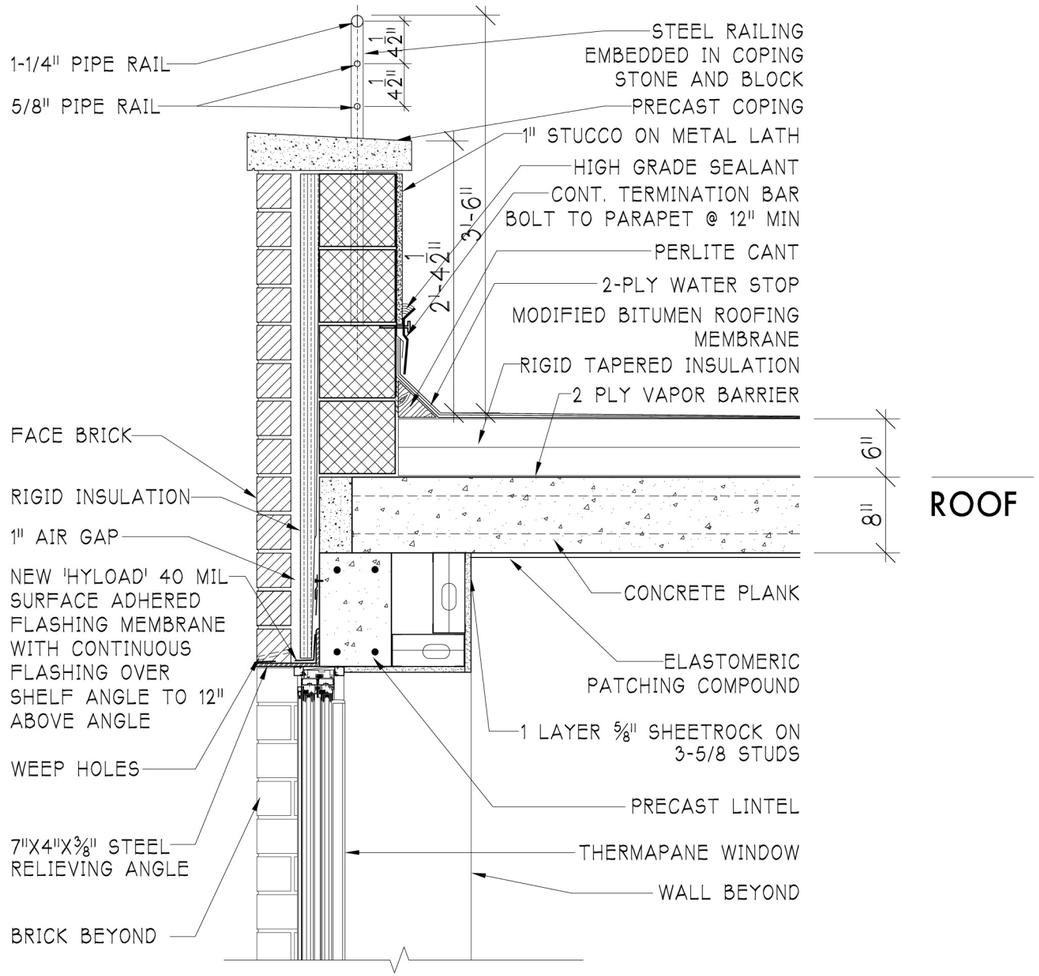
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728





TYPICAL WALL SECTION

SCALE: 3/4" = 1'-0"

SK-06

TYPICAL WALL SECTION

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
3/4"=1'-0"
2/03/10

OCV
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ARCHITECTS
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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
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IMPACT ENVIRONMENTAL
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NEW YORK, NEW YORK 10036
TEL (212) 201-7905 FAX (212) 201-7906

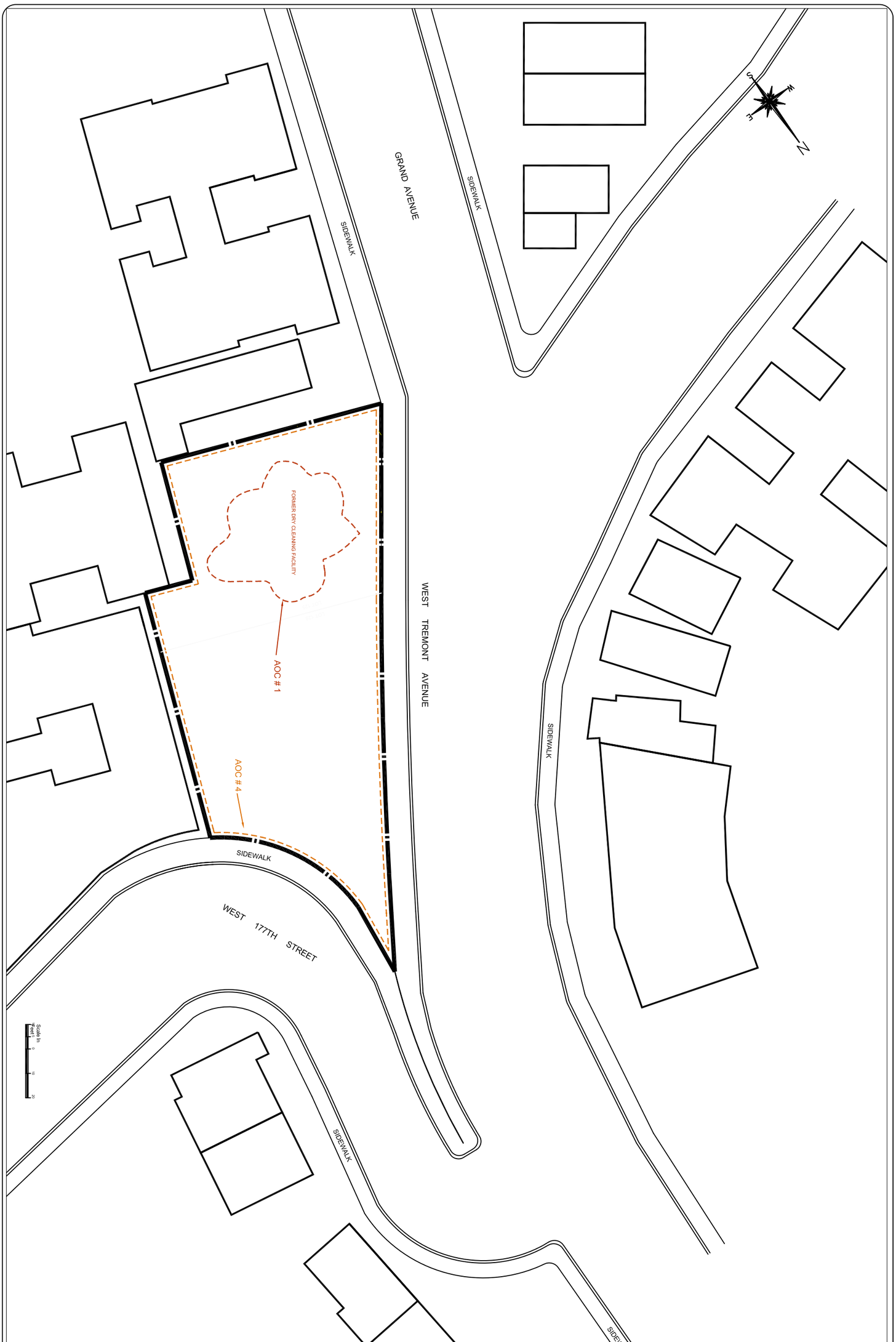
TITLE:
Surrounding Land Use

60 W 177th St &
92 W Tremont Ave.
Bronx, New York

DRAWN BY:	JC
CHECKED BY:	KK
DATE:	06/29/2011
SCALE:	1 : 90

PROJECT #	2166-03-03-3002
Figure #	04

BCP # 12CBPO16X



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1560 BROADWAY, SUITE 1024
NEW YORK, NEW YORK 10036
TEL (212) 201-7905 FAX (212) 201-7906

TITLE:

Area of Concern Map

60 W 177th St &
92 W Tremont Ave.
Bronx, New York

DRAWN BY:	JC
CHECKED BY:	KK
DATE:	06/22/2011
SCALE:	1 : 50

PROJECT #	2166-03-03-3002
Figure #	05

BCP# 12CBCPO16X

WEST TREMONT AVENUE

SIDEWALK

SG-2

SIDEWALK

SG-1

SP/GWP-02
(TO 10 FT BEG)

SP/GWP-01
(to 11 FT BEG)

SG-7

SP-4

MW-5

SP-3

SP-5

LOT 125

LOT 132

SP/GWP-04
(TO 8 FT BEG)

MW-4

SG-6

FORMER DRY CLEANING FACILITY

SG-8

SP/GWP-03
(TO 9 FT BEG)

SP-2

SP-6

SP-1

Ambient Air

SP/GWP-06
(TO 5 FT BEG)

SP/GWP-05
(TO 6 FT BEG)

SG-4

MW-6

SG-5

MW-1

SG-5

SG-1

SP/GWP-07
(TO 17 FT BEG)

SG-2

SP/GWP-09
(TO 11 FT BEG)

MW-2

SP/GWP-08
(TO 12 FT BEG)

MW-3

SP/GWP-10
(TO 5 FT BEG)

SIDEWALK

WEST 177TH STREET

SG-3

Scale in Feet
5 0 10 20

Legend

- Samples Acquired in July 2008
- Samples Acquired in April 2011
- Samples Acquired in June 2011

TITLE:
Location of Soil Borings, Groundwater Wells and Soil Vapor Samples

60 W 177th St &
92 W Tremont Ave.
Bronx, New York

DRAWN BY:	JC
CHECKED BY:	KK
DATE:	06/22/2011
SCALE:	1 : 50

PROJECT # 2166-03-03-3002

Figure # 06

BCP# 12CBCPO16X

IMPACT ENVIRONMENTAL

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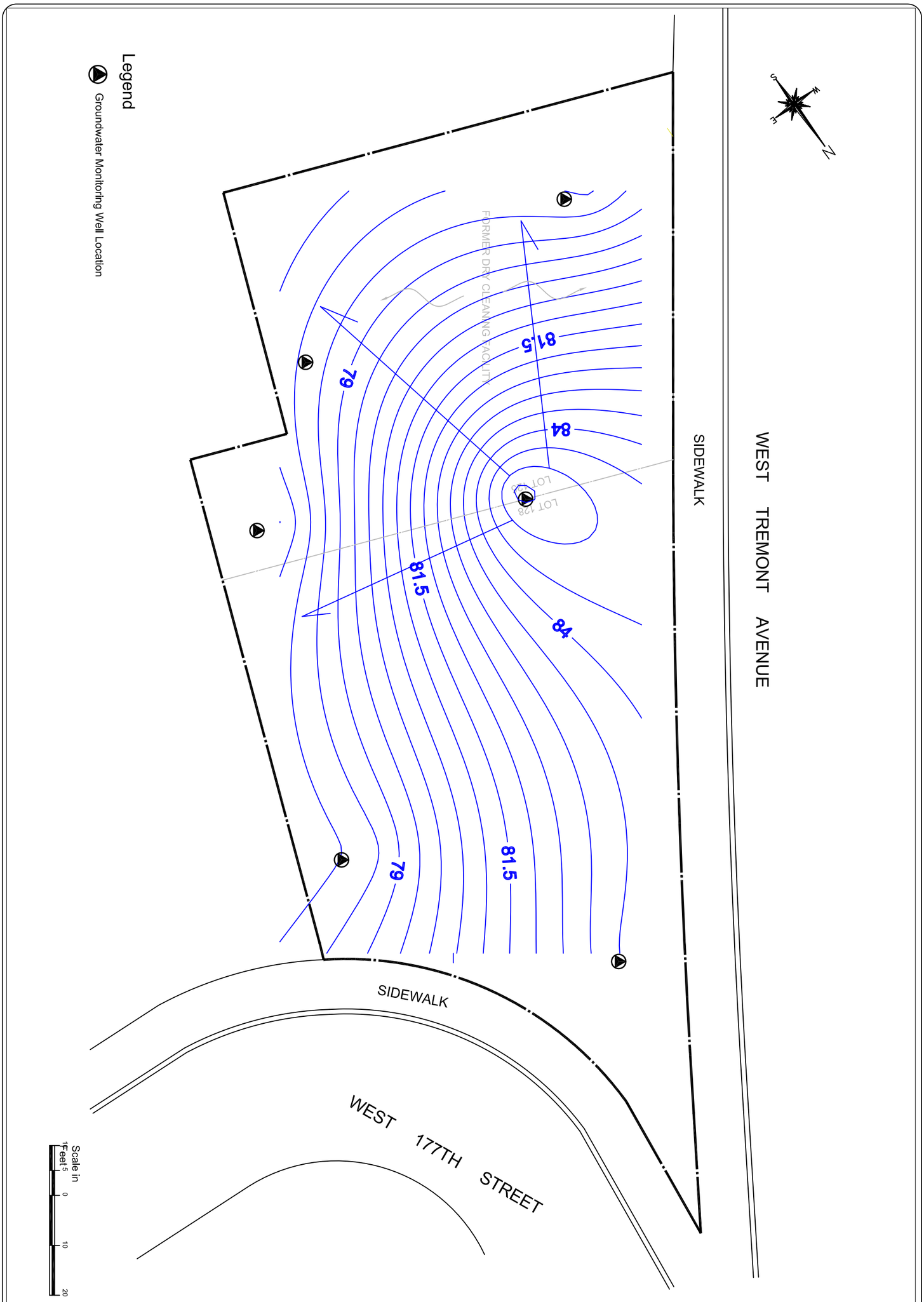

IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

1560 BROADWAY, SUITE 1024
NEW YORK, NEW YORK 10036
TEL (212) 201-7905 FAX (212) 201-7906

TITLE:
Groundwater Flow Map

60 W 177th St &
92 W Tremont Ave.
Bronx, New York

DRAWN BY:	JC
CHECKED BY:	KK
DATE:	06/22/2011
SCALE:	1 : 50

PROJECT #	2166-03-03-3002
Figure #	07

BCP #12CBCPO16X

SP-4 (0-2')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SP-4 (8'-9')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SP-4 (25')	July 2008
Compound	Results
PCE	517 ppb
TCE	<500 ppb
cis 1,2- DCE	<500 ppb
BTEX	852 ppb
Total VOCs	101,128 ppb

SB-4 (5'-10')	March 2011
Compound	Results
PCE	<1.13 ppb
TCE	<1.13 ppb
cis 1,2- DCE	<1.13 ppb
BTEX	<2.26 ppb
Total VOCs	70.86 ppb

SB-4 (10'-15')	March 2011
Compound	Results
PCE	<1.09 ppb
TCE	<1.09 ppb
cis 1,2- DCE	<1.09 ppb
BTEX	<2.17 ppb
Total VOCs	28.70 ppb

SP-2 (0-2')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SP-5 (6'-7')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	10 ppb

SB-3 (5'-10')	March 2011
Compound	Results
PCE	<1.16 ppb
TCE	<1.16 ppb
cis 1,2- DCE	<1.16 ppb
BTEX	<2.31 ppb
Total VOCs	30.72 ppb

SB-3 (10'-15')	March 2011
Compound	Results
PCE	<1.12 ppb
TCE	<1.12 ppb
cis 1,2- DCE	<1.12 ppb
BTEX	<2.24 ppb
Total VOCs	32.63 ppb

MW-4 (15'-20')	March 2011
Compound	Results
PCE	<1.19 ppb
TCE	<1.19 ppb
cis 1,2- DCE	<1.19 ppb
BTEX	<2.38 ppb
Total VOCs	24.70 ppb

SP-7 (0-2')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SP-7 (16'-17')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SP-7 (20')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SP-11 (0-2')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SP-11 (18')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SP-8 (0-2')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	17.2 ppb

SP-8 (14'-15')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	7.98 ppb

MW-3 (5'-8.5')	March 2011
Compound	Results
PCE	<1.15 ppb
TCE	<1.15 ppb
cis 1,2- DCE	<1.15 ppb
BTEX	<2.38 ppb
Total VOCs	38.20 ppb

SP-1 (0-2')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	20 ppb

SP-1 (10-11')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

MW-5 (15'-20')	March 2011
Compound	Results
PCE	<1.16 ppb
TCE	<1.16 ppb
cis 1,2- DCE	<1.16 ppb
BTEX	<2.32 ppb
Total VOCs	29.60 ppb

SB-5 (10'-11.5')	March 2011
Compound	Results
PCE	<1.09 ppb
TCE	<1.09 ppb
cis 1,2- DCE	<1.09 ppb
BTEX	<2.18 ppb
Total VOCs	34.11 ppb

SP-3 (0-2')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SP-3 (9'-10")	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SB-6 (10'-13')	March 2011
Compound	Results
PCE	<1.13 ppb
TCE	<1.13 ppb
cis 1,2- DCE	<1.13 ppb
BTEX	<2.27 ppb
Total VOCs	32.74 ppb

SP-10 (0-2')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	11.7 ppb

SP-10 (4'-5')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	8.72 ppb

SP-10 (9')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

MW-2 (15'-16')	March 2011
Compound	Results
PCE	<1.2 ppb
TCE	<1.2 ppb
cis 1,2- DCE	<1.2 ppb
BTEX	<2.4 ppb
Total VOCs	57.70 ppb

SP-5 (0-2')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SP-5 (5'-6')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SB-1 (0-5')	March 2011
Compound	Results
PCE	8.92 ppb
TCE	<1.19 ppb
cis 1,2- DCE	<1.19 ppb
BTEX	<2.38 ppb
Total VOCs	52.70 ppb

SB-1 (5'-8')	March 2011
Compound	Results
PCE	12.60 ppb
TCE	<1.2 ppb
cis 1,2- DCE	<1.2 ppb
BTEX	<2.4 ppb
Total VOCs	12.60 ppb

MW-6 (10'-15')	March 2011
Compound	Results
PCE	<1.12 ppb
TCE	<1.12 ppb
cis 1,2- DCE	<1.12 ppb
BTEX	<2.24 ppb
Total VOCs	23.10 ppb

SP-6 (0-2')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SP-6 (4'-5')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

SP-6 (25')	July 2008
Compound	Results
PCE	9.53 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	9.53 ppb

MW-1 (20')	March 2011
Compound	Results
PCE	<1.18 ppb
TCE	<1.18 ppb
cis 1,2- DCE	<1.18 ppb
BTEX	<2.37 ppb
Total VOCs	39.10 ppb

SB-2 (5'-10')	March 2011
Compound	Results
PCE	8.66 ppb
TCE	<1.12 ppb
cis 1,2- DCE	<1.12 ppb
BTEX	<2.25 ppb
Total VOCs	94.90 ppb

SB-2 (10'-15')	March 2011
Compound	Results
PCE	<1 ppb
TCE	<1 ppb
cis 1,2- DCE	<1 ppb
BTEX	<2.01 ppb
Total VOCs	25.13 ppb

SP-9 (0-2')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	14.8 ppb

SP-9 (10'-11')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	12.1 ppb

SP-9 (25')	July 2008
Compound	Results
PCE	<5 ppb
TCE	<5 ppb
cis 1,2- DCE	<5 ppb
BTEX	<5 ppb
Total VOCs	<5 ppb

WEST TREMONT AVENUE

SIDEWALK

WEST 177TH STREET

SIDEWALK

FORMER DRY CLEANING FACILITY

200

100

0

Legend

Monitoring Well Location

Soil Probe Location

Soil PCE Concentration Contours

Scale in Feet: 0 10 20

PROJECT # 2166-03-03-3002

Figure # 08

BCP # 12CBCPO16X

TITLE: Map of Soil Chemistry Results

60 W 177th St &
92 W Tremont Ave.
Bronx, New York

DRAWN BY: JC
CHECKED BY: KK
DATE: 06/22/2011
SCALE: 1 : 50

IMPACT ENVIRONMENTAL

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NEW YORK, NEW YORK 10036
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MW-4 (15'-20')	March 2011
Compound	Results
PCE	<1.19 ppb
TCE	<1.19 ppb
cis 1,2- DCE	<1.19 ppb
BTEX	<2.38 ppb
Total VOCs	24.70 ppb

MW-3 (5'-8.5')	March 2011
Compound	Results
PCE	<1.15 ppb
TCE	<1.15 ppb
cis 1,2- DCE	<1.15 ppb
BTEX	<2.38 ppb
Total VOCs	38.20 ppb

MW-5 (15'-20')	March 2011
Compound	Results
PCE	<1.16 ppb
TCE	<1.16 ppb
cis 1,2- DCE	<1.16 ppb
BTEX	<2.32 ppb
Total VOCs	29.60 ppb

WEST TREMONT AVENUE

SIDEWALK

FORMER DRY CLEANING FACILITY

81.5

84

84

81.5

79

79

SIDEWALK

MW-6 (10'-15')	March 2011
Compound	Results
PCE	<1.12 ppb
TCE	<1.12 ppb
cis 1,2- DCE	<1.12 ppb
BTEX	<2.24 ppb
Total VOCs	23.10 ppb

MW-1 (20')	March 2011
Compound	Results
PCE	<1.18 ppb
TCE	<1.18 ppb
cis 1,2- DCE	<1.18 ppb
BTEX	<2.37 ppb
Total VOCs	39.10 ppb

MW-2 (15'-16')	March 2011
Compound	Results
PCE	<1.2 ppb
TCE	<1.2 ppb
cis 1,2- DCE	<1.2 ppb
BTEX	<2.4 ppb
Total VOCs	57.70 ppb

Legend

Groundwater Monitoring Well Location

Scale In Feet 5 0 10 20

PROJECT # 2166-03-03-3002

Figure # 09

BCP# 12CBCPO16X

TITLE: Map of Groundwater Chemistry Results

60 W 177th St & 92 W Tremont Ave. Bronx, New York

DRAWN BY: JC

CHECKED BY: KK

DATE: 06/22/2011

IMPACT ENVIRONMENTAL

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NEW YORK, NEW YORK 10036
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SG-2 (10')	June 2011
Compound	Results
PCE	7,660
TCE	ND
cis 1,2- DCE	ND
BTEX	113.2

SG-6 (10')	March 2011
Compound	Results
PCE	ND
TCE	ND
cis 1,2- DCE	ND
BTEX	6.2

SG-7 (10')	March 2011
Compound	Results
PCE	ND
TCE	ND
cis 1,2- DCE	ND
BTEX	10.0

SG-8 (10')	March 2011
Compound	Results
PCE	ND
TCE	ND
cis 1,2- DCE	ND
BTEX	8.7

SG-5 (10')	March 2011
Compound	Results
PCE	187
TCE	ND
cis 1,2- DCE	ND
BTEX	20.1

SG-4 (10')	March 2011
Compound	Results
PCE	ND
TCE	ND
cis 1,2- DCE	ND
BTEX	7.5

SG-2 (10')	March 2011
Compound	Results
PCE	1.2
TCE	0.91
cis 1,2- DCE	ND
BTEX	10.1

SG-1 (10')	March 2011
Compound	Results
PCE	ND
TCE	ND
cis 1,2- DCE	ND
BTEX	48.6

SG-3 (10')	March 2011
Compound	Results
PCE	ND
TCE	ND
cis 1,2- DCE	ND
BTEX	9.5

Ambient Air	June 2011
Compound	Results
PCE	1,600
TCE	0.59
cis 1,2- DCE	1.7
BTEX	14.0

SG-1 (10')	June 2011
Compound	Results
PCE	5,310
TCE	4.8
cis 1,2- DCE	11
BTEX	118.2

SG-4 (10')	June 2011
Compound	Results
PCE	70.5
TCE	ND
cis 1,2- DCE	5.6
BTEX	ND

SG-5 (10')	June 2011
Compound	Results
PCE	3.1
TCE	ND
cis 1,2- DCE	ND
BTEX	248.5

SG-3 (10')	June 2011
Compound	Results
PCE	2,940
TCE	ND
cis 1,2- DCE	ND
BTEX	211.5

SIDEWALK

WEST TREMONT AVENUE

WEST 177TH STREET

SIDEWALK

SIDEWALK

SIDEWALK

SIDEWALK

81.5

84

81.5

79

79

Legend

Soil Gas Sample Location

All Units Presented in ug/m3

Groundwater Contours

Scale in Feet 5 0 5 10 20

PROJECT # 2166-03-03-3002

FIGURE # 10

BCP # 12CBCP016X

DRAWN BY: JC

CHECKED BY: KK

DATE: 06/21/2011

TITLE: Map of Soil Vapor Chemistry Results

60 W 177th St & 92 W Tremont Ave. Bronx, New York

IMPACT ENVIRONMENTAL

170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

1560 BROADWAY, SUITE 1024
NEW YORK, NEW YORK 10036
TEL (212) 201-7905 FAX (212) 201-7906

Impact Environmental
Remedial Investigation Report
BCP # 12CBCPO16X

Tables

Impact Environmental
Remedial Investigation Report
BCP # 12CBCPO16X

Table 1: Construction Details for Soil Borings

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Manhattan | 1560 Broadway, Suite1024 | New York, NY 10036 | Tel: 212.201.7905 Fax: 212.202.4079
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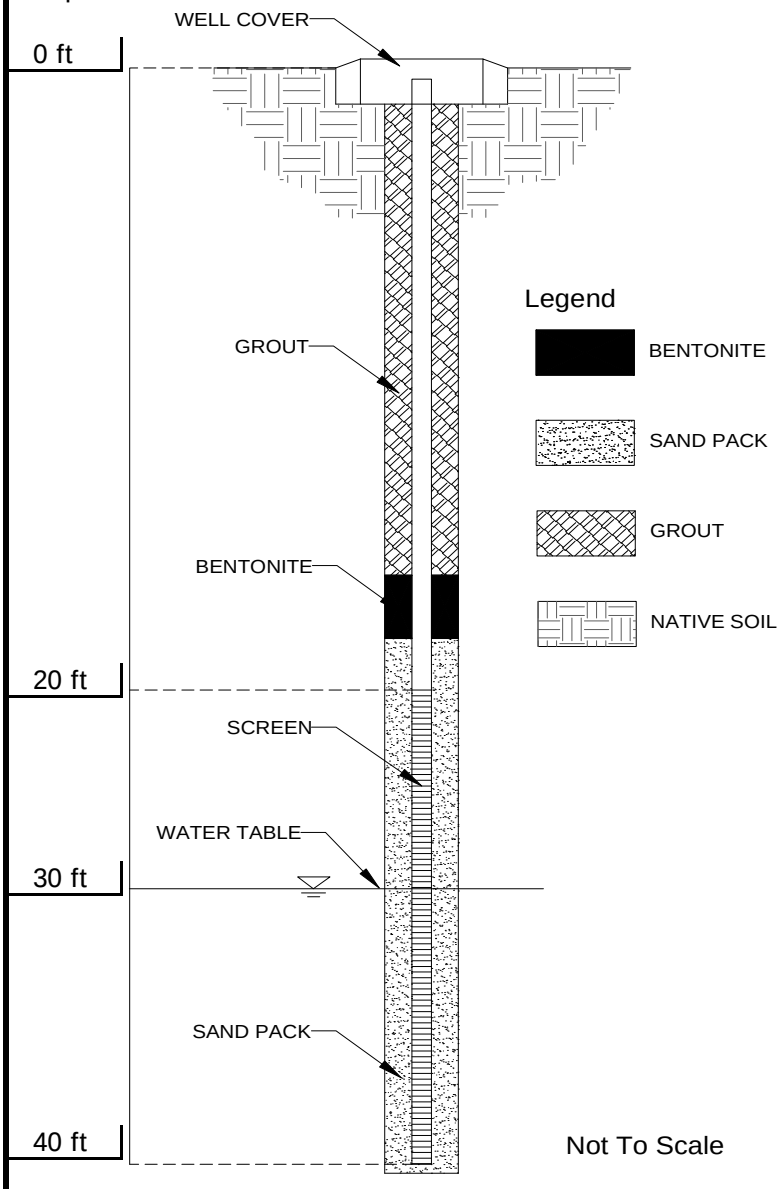
		Well Code:	**MW-1**
		Installer:	Chris
		Installation Method:	HAS
		Installation Date:	3/1/2011
Site Location:	60 West 177th Street/92 West Tremont, Bronx New York	**Geologist:**	Chrstine C.
Job Number:	2166-03-03-3002	**Elevation:**	100 ft AMSL
Client:	Promesa Systems Inc.		
Location:	see Plate 2		



Surface Pad
- Type: None

Well Cap
- Type: unknown

Surface Casing
- Type: None

Riser Pipe
- Type: Sch. 40 PVC
- Diameter: 2 inch
- Length: 20 ft
- Interval (BEG): 0 ft to 20 ft

Annular Seal
- Type: Grout
- Length: 6 ft
- Interval (BEG): 0 ft to 6 ft

Bentonite Seal
- Type: unknow
- Length: 2 ft
- Interval (BEG) 17 ft to 19 ft

Filter Pack
- Type: #2 morris sand
- Length: 20 ft
- Interval (BEG) 20 ft to 20 ft

Screen
- Type: Sch. 40 PVC
- Diameter 2 inch
- Length: 20 ft
- Slot Size: 10-slot
- Interval (BEG): 20 ft to 40 ft

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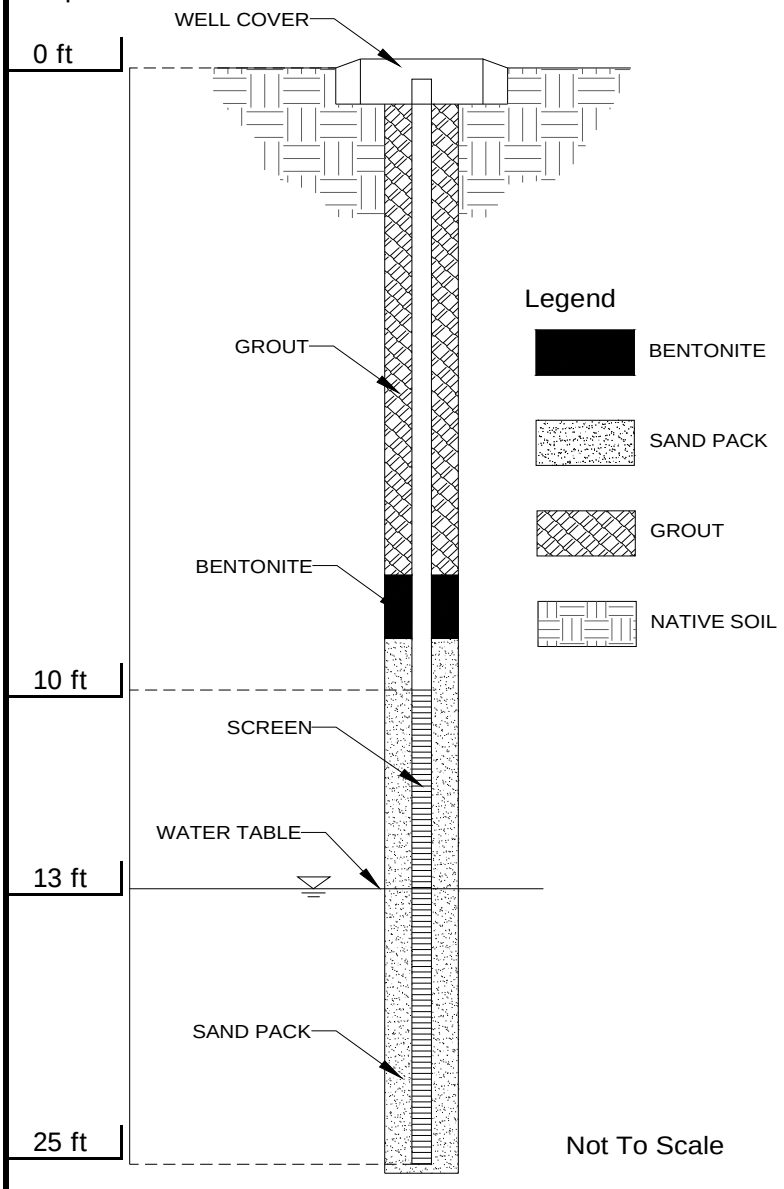
		Well Code:	**MW-2**
		Installer:	Chris
		Installation Method:	HAS
		Installation Date:	3/1/2011 & 3/2/2011
Site Location:	60 West 177th Street/92 West Tremont, Bronx New York	**Geologist:**	Chrstine C.
Job Number:	2166-03-03-3002	**Elevation:**	100 ft AMSL
Client:	Promesa Systems Inc.		
Location:	see Plate 2		



Surface Pad
- Type: None

Well Cap
- Type: unknown

Surface Casing
- Type: None

Riser Pipe
- Type: Sch. 40 PVC
- Diameter: 2 inch
- Length: 10 ft
- Interval (BEG): 0 ft to 10 ft

Annular Seal
- Type: Grout
- Length: 6 ft
- Interval (BEG): 0 ft to 6 ft

Bentonite Seal
- Type: unknow
- Length: 2 ft
- Interval (BEG) 8 ft to 10 ft

Filter Pack
- Type: #2 morris sand
- Length: 15 ft
- Interval (BEG) 10 ft to 25 ft

Screen
- Type: Sch. 40 PVC
- Diameter 2 inch
- Length: 15 ft
- Slot Size: 10-slot
- Interval (BEG): 10 ft to 25 ft

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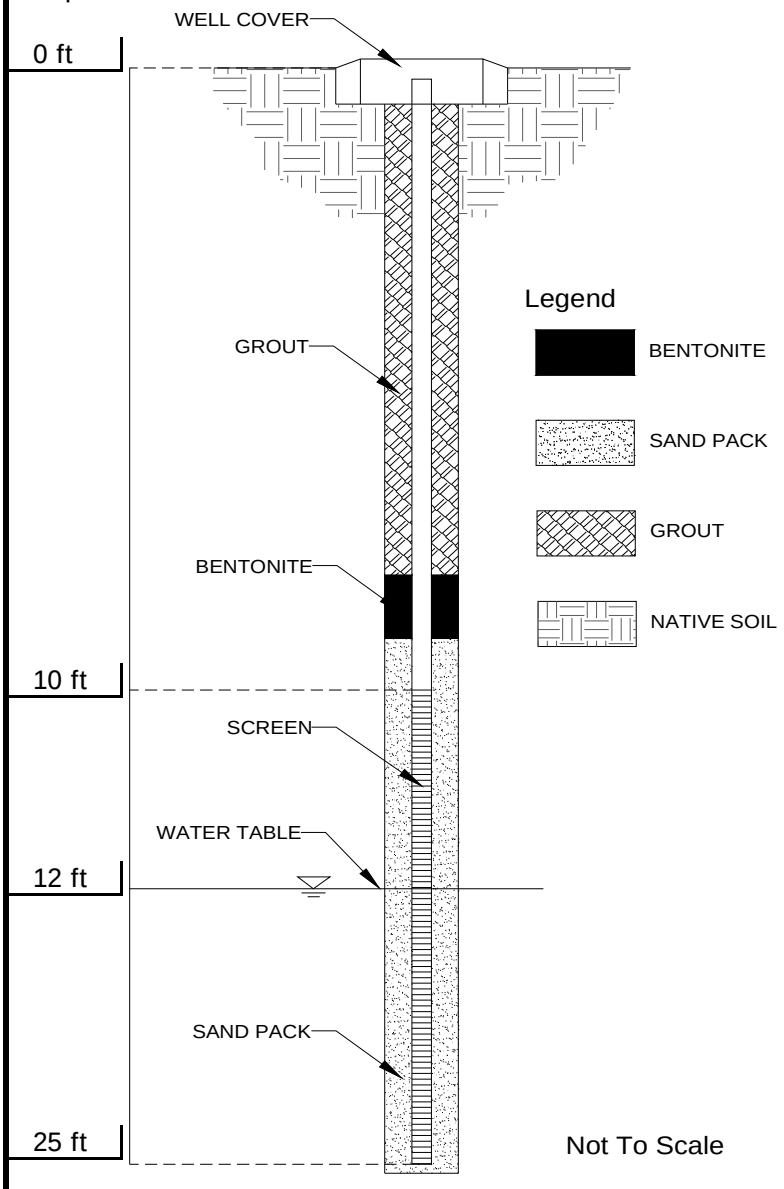
		Well Code:	**MW-3**
		Installer:	Chris
		Installation Method:	HAS
		Installation Date:	3/2/2011
Site Location:	60 West 177th Street/92 West Tremont, Bronx New York	**Geologist:**	Chrstine C.
Job Number:	2166-03-03-3002	**Elevation:**	100 ft AMSL
Client:	Promesa Systems Inc.		
Location:	see Plate 2		



Surface Pad
- Type: None

Well Cap
- Type: unknown

Surface Casing
- Type: None

Riser Pipe
- Type: Sch. 40 PVC
- Diameter: 2 inch
- Length: 10 ft
- Interval (BEG): 0 ft to 10 ft

Annular Seal
- Type: Grout
- Length: 6 ft
- Interval (BEG): 0 ft to 6 ft

Bentonite Seal
- Type: unknow
- Length: 2 ft
- Interval (BEG) 8 ft to 10 ft

Filter Pack
- Type: #2 morris sand
- Length: 15 ft
- Interval (BEG) 10 ft to 25 ft

Screen
- Type: Sch. 40 PVC
- Diameter 2 inch
- Length: 15 ft
- Slot Size: 10-slot
- Interval (BEG): 10 ft to 25 ft

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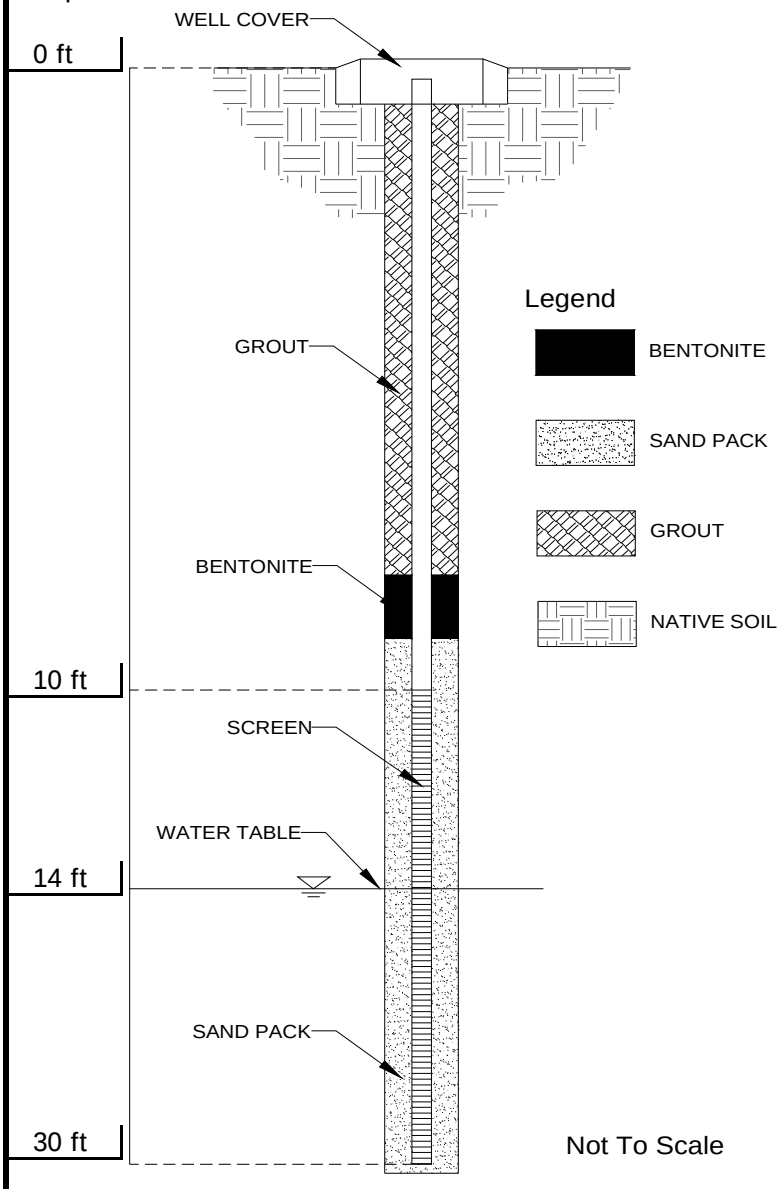
		Well Code:	**MW-4**
		Installer:	Chris
		Installation Method:	HAS
		Installation Date:	3/2/2011
Site Location:	60 West 177th Street/92 West Tremont, Bronx New York	**Geologist:**	Chrstine C.
Job Number:	2166-03-03-3002	**Elevation:**	100 ft AMSL
Client:	Promesa Systems Inc.		
Location:	see Plate 2		



Surface Pad
- Type: None

Well Cap
- Type: unknown

Surface Casing
- Type: None

Riser Pipe
- Type: Sch. 40 PVC
- Diameter: 2 inch
- Length: 10 ft
- Interval (BEG): 0 ft to 10 ft

Annular Seal
- Type: Grout
- Length: 6 ft
- Interval (BEG): 0 ft to 6 ft

Bentonite Seal
- Type: unknow
- Length: 2 ft
- Interval (BEG) 8 ft to 10 ft

Filter Pack
- Type: #2 morris sand
- Length: 20 ft
- Interval (BEG) 10 ft to 30 ft

Screen
- Type: Sch. 40 PVC
- Diameter 2 inch
- Length: 20 ft
- Slot Size: 10-slot
- Interval (BEG): 10 ft to 30 ft

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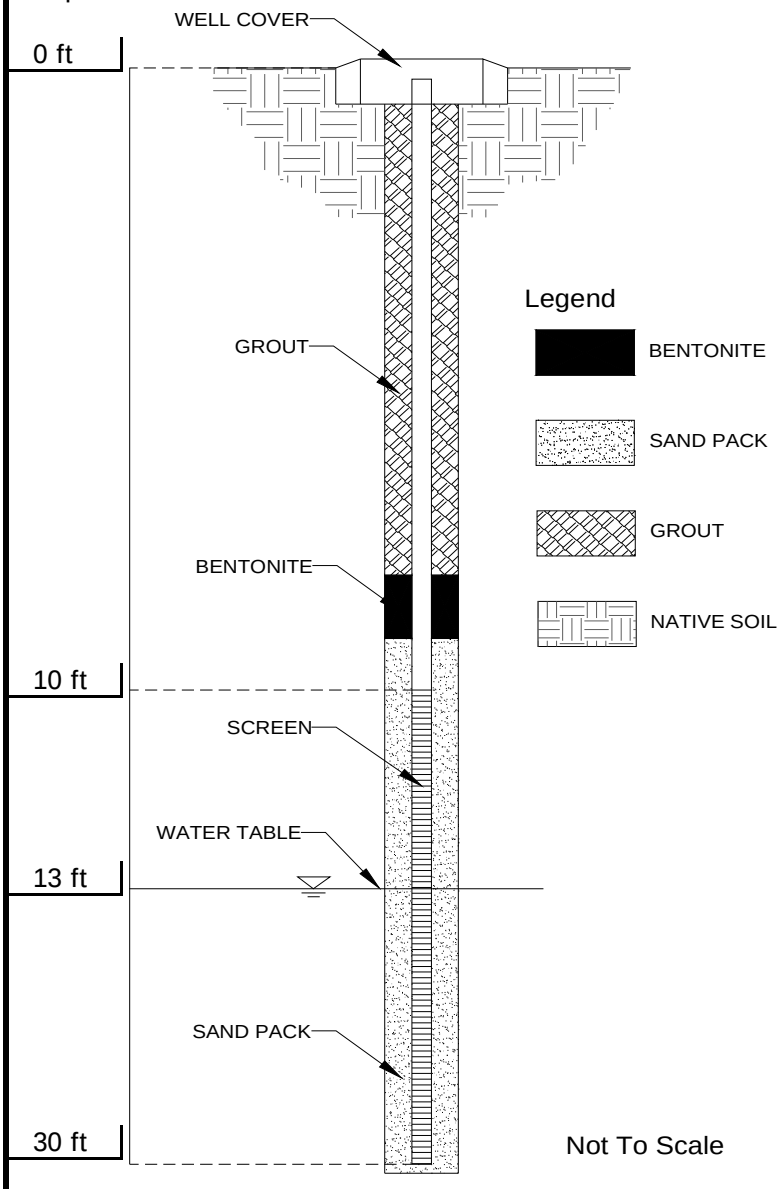
		Well Code:	**MW-5**
		Installer:	Chris
		Installation Method:	HAS
		Installation Date:	3/3/2011
Site Location:	60 West 177th Street/92 West Tremont, Bronx New York	**Geologist:**	Chrstine C.
Job Number:	2166-03-03-3002	**Elevation:**	100 ft AMSL
Client:	Promesa Systems Inc.		
Location:	see Plate 2		



Surface Pad
- Type: None

Well Cap
- Type: unknown

Surface Casing
- Type: None

Riser Pipe
- Type: Sch. 40 PVC
- Diameter: 2 inch
- Length: 10 ft
- Interval (BEG): 0 ft to 10 ft

Annular Seal
- Type: Grout
- Length: 6 ft
- Interval (BEG): 0 ft to 6 ft

Bentonite Seal
- Type: unknow
- Length: 2 ft
- Interval (BEG) 8 ft to 10 ft

Filter Pack
- Type: #2 morris sand
- Length: 20 ft
- Interval (BEG) 10 ft to 30 ft

Screen
- Type: Sch. 40 PVC
- Diameter 2 inch
- Length: 20 ft
- Slot Size: 10-slot
- Interval (BEG): 10 ft to 30 ft

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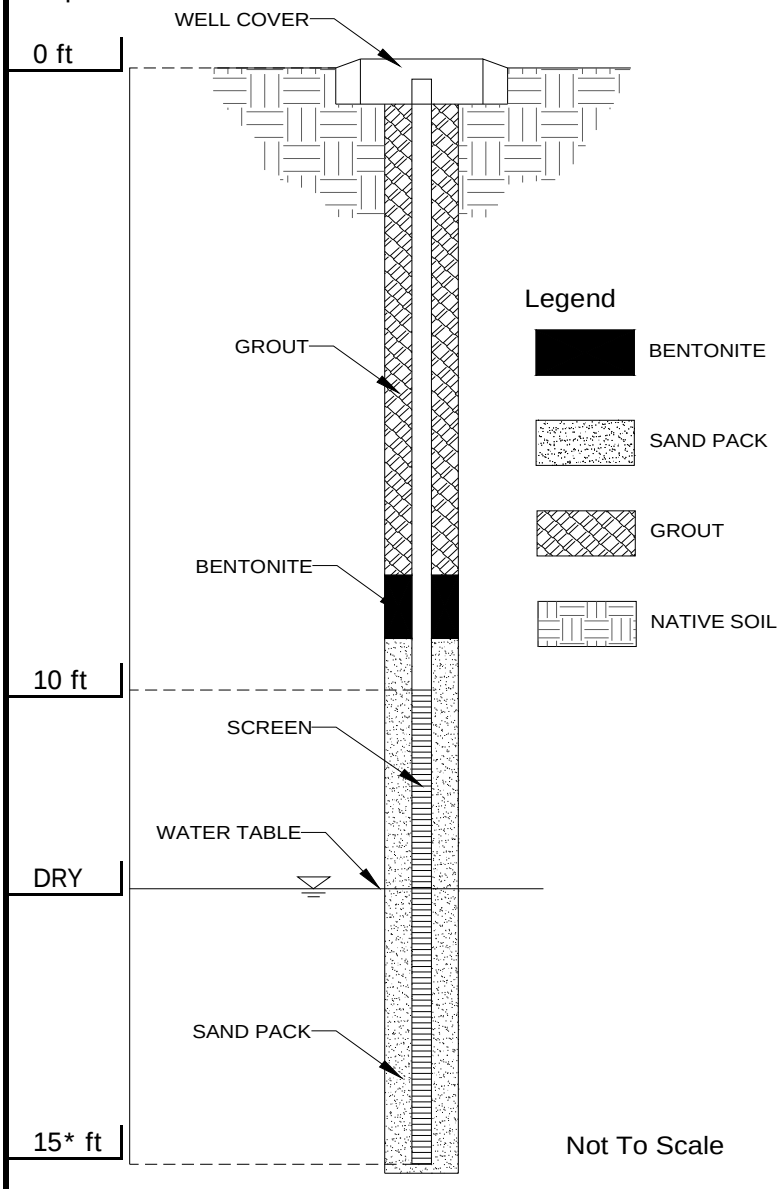
		Well Code:	**MW-6**
		Installer:	Chris
		Installation Method:	HAS
		Installation Date:	3/3/2011
Site Location:	60 West 177th Street/92 West Tremont, Bronx New York	**Geologist:**	Chrstine C.
Job Number:	2166-03-03-3002	**Elevation:**	100 ft AMSL
Client:	Promesa Systems Inc.		
Location:	see Plate 2		



*Refusal was encountered and counld not be drilled deeper

Surface Pad
- Type: None

Well Cap
- Type: unknown

Surface Casing
- Type: None

Riser Pipe
- Type: Sch. 40 PVC
- Diameter: 2 inch
- Length: 10 ft
- Interval (BEG): 0 ft to 10 ft

Annular Seal
- Type: Grout
- Length: 6 ft
- Interval (BEG): 0 ft to 6 ft

Bentonite Seal
- Type: unknow
- Length: 2 ft
- Interval (BEG) 8 ft to 10 ft

Filter Pack
- Type: #2 morris sand
- Length: 5 ft
- Interval (BEG) 10 ft to 15 ft

Screen
- Type: Sch. 40 PVC
- Diameter 2 inch
- Length: 5 ft
- Slot Size: 10-slot
- Interval (BEG): 10 ft to 15 ft

Table 2

Groundwater Level Data

MW ID	MW Case Elevation	Rod Interception	DTW (3/25/2011)	WT Elevation 3/25/2011
MW-1	100.00	9.30	13.71	76.99
MW-2	100.00	8.95	12.91	78.14
MW-3	100.00	4.26	11.87	83.87
MW-4	100.00	0.43	13.90	85.68
MW-5	100.00	NA	14.47	NA
MW-6	100.00	7.10	15.00	77.90

Note: An arbitrary case elevation of 100.00 above mean sea level was assigned for MW-1.
Said number was based on the average elevation obtained from the USGS Topographic Map.

Table 3

Analytical Methods Summary for All Media

Sample Location	Date	Depth	USEPA Analytical Test Methods	Media
SP-1	7/21/10	0-2';10'-11'	8260, 8270, 8081/88082, 6010	Soil
SP-2	7/21/10	0-2';6'-7'	8260, 8270, 8081/88082, 6010	Soil
SP-3	7/21/10	0-2';9'-10'	8260, 8270, 8081/88082, 6010	Soil
SP-4	7/21/10	0-2';8'-9', 25'	8260, 8270, 8081/88082, 6010	Soil
SP-5	7/21/10	0-2';5'-6'	8260, 8270, 8081/88082, 6010	Soil
SP-6	7/21/10	0-2';4'-5', 25'	8260, 8270, 8081/88082, 6010	Soil
SP-7	7/21/10	0-2';16'-17', 20'	8260, 8270, 8081/88082, 6010	Soil
SP-8	7/21/10	0-2';14'-15'	8260, 8270, 8081/88082, 6010	Soil
SP-9	7/21/10	0-2';10'-11',25'	8260, 8270, 8081/88082, 6010	Soil
SP-10	7/21/10	0-2';4'-5',9'	8260, 8270, 8081/88082, 6010	Soil
SP-11	7/21/10	0-2';18'	8260, 8270, 8081/88082, 6010	Soil
SB-1	2/28/11	0-5'; 5'-8'	8260	Soil
SB-2	2/28/11	5'-10'; 10'-15'	8260	Soil
SB-3	2/28/11	5'-10'; 10'-15'	8260	Soil
SB-4	2/28/11	5'-10'; 10'-15'	8260	Soil
SB-5	3/3/11	10'-11.5'	8260	Soil
SB-6	3/3/11	10'-13'	8260	Soil
MW-1	3/1/11	20'	8260, 8270, 8081/88082, 6010	Soil
MW-2	3/1/11	15'-16'	8260, 8270, 8081/88082, 6010	Soil
MW-3	3/2/11	5'-8.5'	8260, 8270, 8081/88082, 6010	Soil
MW-4	3/2/11	15'-20'	8260, 8270, 8081/88082, 6010	Soil
MW-5	3/3/11	15'-20'	8260, 8270, 8081/88082, 6010	Soil
MW-6	3/3/11	10'-15'	8260, 8270, 8081/88082, 6010	Soil
MW-1	3/4/11	NA	8260, 8270, 8081/88082, 6010	Goundwater
MW-2	3/4/11	NA	8260, 8270, 8081/88082, 6010	Goundwater
MW-3	3/4/11	NA	8260, 8270, 8081/88082, 6010	Goundwater
MW-4	3/4/11	NA	8260, 8270, 8081/88082, 6010	Goundwater
MW-5	3/4/11	NA	8260, 8270, 8081/88082, 6010	Goundwater
SG-1	3/4/11	10'	TO-15	Soil Vapor
SG-2	3/4/11	10'	TO-15	Soil Vapor
SG-3	3/4/11	10'	TO-15	Soil Vapor
SG-4	3/4/11	10'	TO-15	Soil Vapor
SG-5	3/4/11	10'	TO-15	Soil Vapor
SG-6	3/4/11	10'	TO-15	Soil Vapor
SG-7	3/4/11	10'	TO-15	Soil Vapor
SG-8	3/4/11	10'	TO-15	Soil Vapor
SG-1	6/6/11	10'	TO-15	Soil Vapor
SG-2	6/6/11	10'	TO-15	Soil Vapor
SG-3	6/6/11	10'	TO-15	Soil Vapor
SG-4	6/6/11	10'	TO-15	Soil Vapor
SG-5	6/6/11	10'	TO-15	Soil Vapor

Table 4: Soil Analytical Summary

Parameter Name	Parameter ID	SP-1	SP-1	SP-2	SP-2	SP-3	SP-3	SP-4	SP-4	SP-4	SP-5	SP-5	SP-6	SP-6	SP-6	SP-7	SP-7	SP-7	SP-8	SP-8	SP-9	SP-9	SP-9	SP-10	SP-10	SP-10	SP-11	SP-11	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYSDEC Background Levels
Sample ID	Depth	0-2'	10-11'	0-2'	6-7'	0-2'	9-10'	0-2'	8-9'	25'	0-2'	5-6'	0-2'	4-5'	25'	0-2'	16-17'	20'	0-2'	14-15'	0-2'	10-11'	25'	0-2'	4-5'	9'	0-2'	18'			
Date		7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010	7/21/2010			
Unit		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,1,1,2-Tetrachloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	961	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,1,1-Trichloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	680	100000a	NA
1,1,2,2-Tetrachloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1384	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,1,2-Trichloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,1,2 Trichloro-1,2,2 Trifluoroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1028	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,1-Dichloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	270	26000	NA
1,1-Dichloroethene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	330	100000a	NA
1,1-Dichloropropene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,2,3-Trichlorobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,2,3-Trichloropropane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,2,4,5-tetramethylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,2,4-Trichlorobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,2,4-Trimethylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1187	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	3,600	52000	NA
1,2-Dibromo-3-chloropropane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,2-Dibromoethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,2-Dichlorobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	**1111**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1,100	100000a	NA
1,2-Dichloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	**756**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	20c	3100	NA
1,2-Dichloropropane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1028	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,3,5-Trimethylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1131	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	8,400	52000	NA
1,3-Dichlorobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1155	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	2,400	49000	NA
1,3-Dichloropropane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,3-Dichloropropene(cis and trans)	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
1,4-Dichlorobenzene	VOC	20	<5	<5	<5	<5	<5	<5	<5	**2360**	<5	<5	<5	<5	<5	<5	<5	<5	17.2	7.98	14.8	12.1	<5	11.7	8.72	<5	<5	<5	1,800	13000	NA
1,4-Dioxane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	100b	13000	NA
2,2-Dichloropropane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
2-Butanone (MEK)	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	100000a	NA
2-Chlorotoluene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1163	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
2-Hexanone	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
4-Chlorotoluene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1212	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
4-Methyl-2-Pentanone	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Acetone	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	50	100000b	NA
Acrylonitrile	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Benzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	60	4800	NA
Benzoic Acid	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Bromobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Bromochloromethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Bromodichloromethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1694	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Bromoform	VOC	<5	<5	<5	<5	<5	<5	<5	<5	914	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Bromomethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Carbon disulfide	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Carbon Tetrachloride	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	760	2400	NA
Chlorobenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1,100	100000a	NA
Chlorodibromomethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Chloroethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Chloroform	VOC	<5	<5	<5	<5	<5	<5	<5	<5	**591**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	370	49000	NA
Chloromethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
cis-1,2-Dichloroethene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	250	100000a	NA
cis-1,3-Dichloropropene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	931	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Dibromoethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Dibromochloromethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Dichlorodifluoromethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Ethylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1,000	41000	NA
Freon 113	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Hexachlorobutadiene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Isopropylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1070	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Methyl isobutyl ketone (MIBK)	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Methylene Chloride	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	50	100000a	NA
Methyl-tert-butyl-ether	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	930	100000a	NA
Naphthalene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5			
n-Butylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1249	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	12,000	100000a	NA
n-Propylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1104	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	3,900	100000a	NA
p-Diethylbenzenen	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
p-Ethyltoluene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
p-Isopropyltoluene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	75529	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
sec-Butylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	11,000	100000a	NA
Styrene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1085	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Tert-Butylbenzene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	100000a	NA
Tetrachloroethene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	517	<5	<5	<5	<5	<5	9.53	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1300	19000	NA
Toluene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	**852**	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	700	100000a	NA
Total Xylenes	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	100000a	NA
trans-1,2-Dichloroethene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	190	100000a	NA
trans-1,3-Dichloropropene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	1116	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Trichloroethene	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	470	21000	NA
Trichlorofluoromethane	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Vinyl Acetate	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	NA	NA	NA
Vinyl Chloride	VOC	<5	<5	<5	<5	<5	<5	<5	<5	<500	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	20	900	NA
2,4,5-Trichlorophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
2,4,6-Trichlorophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
2,4-Dichlorophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
2,4-Dimethylphenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
2,4-Dinitrophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
2,4-Dinitrotoluene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
2,6-Dinitrotoluene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
2-Chloronapthalene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
2-Chlorophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
2-Methylnaphthalene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
2-Methylphenol (o-Cresol)	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	330b	100000a	NA
2-Nitroaniline	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
2-Nitrophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
3,3-Dichlorobenzidine	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
3-Nitroaniline	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
4,6-Dinitro-2-methylphenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
4-Bromophenyl-phenyl ether	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
4-Chloro-3-methylphenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
4-Chloroaniline	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
4-Chlorophenyl phenyl ether	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
4-Methylphenol (p-Cresol)	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	330b	100000a	NA
4-Nitroaniline	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
4-Nitrophenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Acenaphthene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	20000	100000a	NA
Acenaphthylene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	100,000a	100000a	NA
Aniline	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Anthracene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	337	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	100,000a	100000a	NA
Benzo-a-Anthracene	SVOC	368	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	**1046**	<330	<330	<330	<330	<330	<330	<330	<330	840	<330	<330	<330	<330	1000c	1000f	NA
Benzo-a-Pyrene	SVOC	358	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	848	<330	<330	<330	407	<330	<330	<330	<330	759	<330	<330	<330	<330	1000c	1000f	NA

Table 4: Soil Analytical Summary

Parameter Name	Parameter ID	SP-1	SP-1	SP-2	SP-2	SP-3	SP-3	SP-4	SP-4	SP-4	SP-5	SP-5	SP-6	SP-6	SP-6	SP-7	SP-7	SP-7	SP-8	SP-8	SP-9	SP-9	SP-9	SP-10	SP-10	SP-10	SP-11	SP-11	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYSDEC Background Levels
Benzo-b-Fluoroanthene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	551	<330	<330	659	<330	<330	<330	<330	<330	<330	1000c	1000f	NA
Benzo-k-Fluoroanthene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	800c	3900	NA
Chrysene	SVOC	381	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	**1053**	<330	<330	<330	462	<330	<330	<330	<330	815	<330	<330	<330	<330	1000c	3900	NA
Dibenzo-a,h-Anthracene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	330b	330e	NA
Indeno(1,2,3-c,d)Pyrene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	500c	500f	NA
Benzo-g,h,i-Perylene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	100,000	100000a	NA
Benzyl Alcohol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Bis(2-Chloroethoxy)methane	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Bis(2-Chloroethyl)ether	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Bis(2-Chloroisopropyl)ether	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Bis(2-Ethylhexyl)Phthalate	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Butylbenzylphthalate	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	463	<330	<330	<330	<330	NA	NA	NA
Dibenzofuran	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	14,000	59900	NA
Diethyl phthalate	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Dimethyl phthalate	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Di-n-butyl phthalate	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Dinitrotoluene(2,4-/2,6-)	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Di-n-octyl-phthalate	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Fluoranthene	SVOC	468	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	2294	<330	<330	<330	683	<330	449	<330	<330	1637	699	<330	<330	<330	100,000	100000a	NA
Fluorene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	30000	100000a	NA
Hexachlorobenzene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	330	1200	NA
Hexachlorocyclopentadiene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Hexachlorobutadiene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Hexachloroethane	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Isophorone	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
m-Cresol(s)	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	330b	100000a	NA
Naphthalene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	12,000	100000a	NA
Nitrobenzene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
N-Nitroso-di-n-Propylamine	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
n-Nitrosodiphenylamine	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	NA	NA	NA
Pentachlorphenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	800b	6700	NA
Phenanthrene	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	2186	<330	<330	<330	<330	<330	<330	<330	<330	494	598	<330	<330	<330	100,000	100000a	NA
Phenol	SVOC	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	330b	100000a	NA
Pyrene	SVOC	1448	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	<330	5418	<330	<330	<330	1600	<330	1349	1010	<330	4056	1596	<330	<330	<330	100,000	100000a	NA
4,4'-DDD	PESTICIDE	**401**	<2	**317**	**1526**	<2	<2	**3253**	**987**	**3241**	**530**	**63.8**	**150**	<2	<2	<2	<2	<2	**510**	<2	**1248**	<2	<2	**3241**	<2	**33.6**	<2	<2	3.3b	13000	NA
4,4'-DDE	PESTICIDE	**298**	<2	**533**	**790**	<2	<2	**909**	**826**	**1673**	**418**	**28.7**	**62.3**	<2	<2	<2	<2	<2	**185**	<2	**578**	<2	<2	**2279**	<2	**8.84**	<2	**198**	3.3b	8900	NA
4,4'-DDT	PESTICIDE	**1108**	<2	**659**	**1054**	<2	<2	**2139**	**635**	**746**	**482**	**50**	**53.7**	<2	<2	<2	<2	<2	**449**	<2	**778**	<2	<2	**523**	<2	**54.3**	<2	**510**	3.3b	7900	NA
Aldrin	PESTICIDE	<2	<2	<2	<20	<2	<2	<2	<2	<2	**443**	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	5c	97	NA
alpha-BHC	PESTICIDE	<2	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	20	480	NA
Aroclor 1016	PESTICIDE	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
Aroclor 1221	PESTICIDE	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
Aroclor 1232	PESTICIDE	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
Aroclor 1242	PESTICIDE	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
Aroclor 1248	PESTICIDE	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
Aroclor 1254	PESTICIDE	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
Aroclor 1260	PESTICIDE	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	NA	NA	NA
beta-BHC	PESTICIDE	<2	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	36	360	NA
Chlordane	PESTICIDE	60.4	<2	<2	**351**	<2	<2	**275**	<2	<2	<2	44.9	<2	<2	<2	<2	<2	<2	**134**	<2	<2	<2	<2	**782**	<2	<2	<2	**198**	94	4200	NA
delta-BHC	PESTICIDE	<2	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	40	100000a	NA
Dieldrin	PESTICIDE	**123**	<2	<2	**464**	<2	<2	**840**	**405**	**735**	<2	<2	<2	<2	<2	<2	<2	<2	**161**	<2	<2	<2	<2	**668**	<2	<2	<2	**768**	5	200	NA
Endosulfan	PESTICIDE	<2	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA	NA
Endosulfan I	PESTICIDE	<2	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2400	24000i	NA
Endosulfan II	PESTICIDE	109	<2	<2	<20	<2	<2	512	<2	<2	301	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2400	24000i	NA
Endosulfan sulfate	PESTICIDE	1808	<2	1035	**4915**	<2	<2	**15238**	**3204**	869	1700	275	908	<2	<2	<2	<2	<2	902	<2	**2626**	<2	<2	**3705**	<2	1468	<2	932	2400	24000i	NA
Endrin	PESTICIDE	**329**	<2	<2	<20	<2	<2	<2	**597**	<2	<2	<2	<2	<2	<2	<2	<2	<2	**152**	<2	<2	<2	<2	<2	<2	<2	<2	<2	14	11000	NA
Endrin aldehyde	PESTICIDE	373	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA	NA
Endrin Ketone	PESTICIDE	166	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA	NA
gamma-BHC (Lindane)	PESTICIDE	74.7	<2	<2	**425**	<2	<2	**1731**	**256**	<2	<2	<2	<2	<2	<2	<2	<2	<2	86	<2	<2	<2	<2	**782**	<2	<2	<2	**106**	100	1300	NA
Heptachlor	PESTICIDE	<2	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	42	2100	NA
Heptachlor epoxide	PESTICIDE	<2	<2	<2	<20	<2	<2	1966	58	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA	NA
Methoxychlor	PESTICIDE	793	<2	492	2196	<2	<2	6073	<2	<2	863	166	453	<2	<2	<2	<2	<2	703	<2	1518	<2	<2	<2	<2	669	<2	445	NA	NA	NA
Mitotane	PESTICIDE	<2	<2	<2	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NA	NA	NA
Parathion	PESTICIDE	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	NA	NA	NA
Polychlorinated biphenyls (PCBs)	PESTICIDE	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	100	1000	NA
Toxaphene	PESTICIDE	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	NA	NA	NA
Unit	*mg/Kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/Kg*	*mg/kg*	*mg/kg*	*mg/Kg*
Aluminum, Al	METAL	13079	10630	12634	6257	15118	16945	6813	12607	8559	6232	6649	7416	14180	11571	11436	9728	15291	15600	8652	7053	13435	18908	10590	16338	13800	7677	6562	NA	NA	33,000
Antimony, Sb	METAL	1.63	2.02	1.13	1.28	1.05	1.12	0.678	3.62	1.21	0.833	0.985	1.67	0.682	1.06	0.881	0.918	0.788	1.13	0.696	0.984	1.64	1.48	1.29	0.795	2.52	1.52	0.925	NA	NA	NA
Arsenic, As	METAL	1.25	1.34	2.17	5.58	1.21	1.23	2.58	3.32	2.99	4.89	4.71	5.58	4.12	2.33	1.79	0.775	0.85	2.88	0.775	2.96	3.78	1.87	2.93	1.95	2.7	4.81	2.53	13c	16f	3.0-12
Barium, Ba	METAL	**400**	791	255	**1597**	77.5	143	**1788**	322	**694**	135	200	288	42.1	**529**	28.8	31.5	70.9	89.6	35.2	**508**	**417**	61.3	**569**	152	102	**500**	193	350c	400	15-600
Beryllium, Be	METAL	0.301	0.376	0.305	0.24	0.379	0.484	0.209	0.351	0.257	0.286	0.318	0.343	0.48	0.289	0.31	0.24	0.409	0.41	0.263	0.194	0.251	0.476	0.293	0.385	0.4	<0.1	0.283	7.2	72	0.0-1.75
Cadmium, Cd	METAL	1.64	1.3	1.54	1.13	0.861	1.51	**5.16**	1.71	1.52	0.898	1.27	1.96	0.703	1.63	0.757	0.799	0.817	1.17	0.628	1.28	2.09	1.2	1.49	1.13	0.9	1.5	0.883	2.5c	4.3	0.1-1
Calcium, Ca	METAL	16094	39443	12359	32070	2233	27077	5520	13843	27325	17075	6786	30582	36305	18037	1711	2011	1897	4047	1643	37850	11438	9075	26799	2885	2715	45900	19791	NA	NA	130-35,000
Chromium, Cr	METAL	32.4	27.8	32.5	15.8	19.7	36.3	24.5	36	14.5	13.6	15.8	23	21	21.2	14.9	17.4	16.5	26.7	16.5	15.7	43.1	35.4	24.8	23.4	23.6	21.6	18.8	NA	NA	1.5-40
Cobalt, Co	METAL	10.5	7.46	10.2	5.72	6.41	10.4	23.9	12.9	5.74	4.44	5.76	8.03	6.2	7.38	6.28	6.45	5.89	8.32	5.2	6.16	9.58	9.54	7.05	7.63	8.03	6.93	6.49	NA	NA	2.5-60
Copper, Cu	METAL	45.6	31.4	48.3	32.3	8.37	25.1	31.5	39.3	28.8	**135**	**90.5**	**90.5**	10.1	31	11.3	11.9	6.72	30.9	12.5	37.3	47.4	13.2	32.2	14.2	18.7	**50.6**	**96.7**	50	270	1.0-50
Iron, Fe	METAL	22300	20253	21330	12891	18323	24315	11671	26354	16242	11963	15242	21299	13782	20340	16307	17283	17203	19907	14222	15845	24451	23055	17031	21075	17900	23100	13206	NA	NA	2,000-550,000
Lead, Pb	METAL	**123**	**578**	**153**	**136**	7.51	35.3	**665**	**159**	**219**	**156**	**276**	**586**	11	**220**	5.93	3.72	5.33	24.8	3.02	**162**	**225**	8.72	**196**	28.2	24.3	**503**	**130**	63c	400	4.0-61 or 200-500
Magnesium, Mg	METAL	7099	13310	7279	3461	3322	22875	4327	6808	6044	9698	2449	5316	26345	5556	2868	3276	2994	4273	2545	4543	10729	10133	5761	4156	4243	6160	4494	NA	NA	100-5,000
Manganese, Mn	METAL	287	242	323	223	399	586	268	282	177	154	190	255	203	367	309	310	360	248	308	176	313	434	265	358	410	279	164	1600c	2,000f	50-5,000
Mercury, Hg	METAL	**0.267**	**0.859**	**2.02**	**0.95**	0.152	0.113	**0.678**	**0.538**	**0.247**	**0.594**	**0.936**	**1.2**	0.11	**0.243**	0.115	<0.1	0.117	0.175	<0.1	**0.677**	**0.531**	<0.1	**0.269**	**0.191**	**0.265**	**0.568**	0.156	18c	.81j	0.001-0.2
Nickel, Ni	METAL	20.9	23.1	22.2	10.4	12.8	21	22.8	23.6	16.3	11	16.3	16.4	11.3	15.5	12.1	11.3	11.7	16.3	14.9	12.6	19.3	17.9	18.3	14	14.5	16.1	12.1	30	310	0.5-25
Potassium, K	METAL	2883	1926	3212	1014	778	3749	1511	3336	1328	723	979	1533	886	2667	880	890	661	1544	750	1322	5868	1443	1762	1117	1350	1772	1891	NA	NA	8,500-43,000
Selenium, Se	METAL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**5.12**	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	3.9c	180	0.1-3.9
Silver, Ag	METAL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.302	<0.1	0.644	0.13	0.195	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2	180	NA
Sodium, Na	METAL	162	384	155	627	79	100	160	160	335	107	105	175	127	160	65.2	70.6	87.9	127	66.3	372	178	75.6	203	89	139	211	158	NA	NA	6,000-8,000
Thallium, Ti	METAL	0.203	<0.1	0.156	<0.1	<0.1	0.199	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.27	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	NA	NA	NA
Vanadium, V	METAL	53.1	48.1	50.4	21.2	23.3	41.1	48.3	57.5	65.3	17.9	23.4	25.2	22.2	43.1	18.7	22.3	21	35.2	17.5	40.2	43.1	36.5	49	28.8	29	29.9	29	NA	NA	1-300
Zinc, Zn	METAL	293	814	293	735	56.7	224	150	275	**499**	**176**	**298**	**476**	52	**458**	31.1	29.4	42.6	89.8	26	**440**	**611**	55.6	**481**	**114**	90.6	**382**	**188**	109c	10,000 d	9.0-50

ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Samples analyzed by JMS Laboratories
on a dry weight basis

Table 4
Soil Analytical Summary Table
(Continued)

Sample ID	Parameter ID	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-6	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYSDEC Background Levels
Depth (feet BEG)		0-5	5-8	5-10	10-15	5-10	10-15	5-10	10-15	10-11.5	10-13	20	15-16	5-8.5	15-20	15-20	10-15			
Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/Kg*	*ug/kg*
Acetone	VOC	20.80	<12.0	**65.60**	24.00	29.40	31.50	**53.70**	28.70	32.40	31.30	26.50	44.50	38.20	24.70	29.60	23.10	50	100000a	NA
Acrylonitrile	VOC	<5.95	<5.99	<5.62	<5.02	<5.78	<5.61	<5.66	<5.43	<5.45	<5.66	<5.92	<6.01	<5.77	<5.95	<5.81	<5.60	NA	NA	NA
Benzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	60	4800	NA
Bromodichloromethane	VOC	<5.95	<5.99	<5.62	<5.02	<5.78	<5.61	<5.66	<5.43	<5.45	<5.66	<5.92	<6.01	<5.77	<5.95	<5.81	<5.60	NA	NA	NA
Bromoform	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	NA	NA	NA
Bromomethane	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	NA	NA	NA
sec-Butylbenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	11,000	100000a	NA
n-Butylbenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	12,000	100000a	NA
tert-Butylbenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	NA	100000a	NA
Carbon Tetrachloride	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	760	2400	NA
Chlorobenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	1,100	100000a	NA
Chloroform	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	370	49000	NA
Chloromethane	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	NA	NA	NA
Dibromochloromethane	VOC	<5.95	<5.99	<5.62	<5.02	<5.78	<5.61	<5.66	<5.43	<5.45	<5.66	<5.92	<6.01	<5.77	<5.95	<5.81	<5.60	NA	NA	NA
1,2-Dichlorobenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	1,100	100000a	NA
1,3-Dichlorobenzene	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	2,400	49000	NA
1,4-Dichlorobenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	1,800	13000	NA
1,1-Dichloroethane	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	270	26000	NA
1,2-Dichloroethane	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	20	3100	NA
1,1-Dichloroethene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	330	100000a	NA
cis-1,2-Dichloroethene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	250	100000a	NA
trans-1,2-Dichloroethene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	190	100000a	NA
1,2-Dichloropropane	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	NA	NA	NA
Ethylbenzene	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	1,000	41000	NA
Hexachlorobutadiene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	NA	NA	NA
Methyl-tert-Butyl Ether	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	930	100000a	NA
Methylene Chloride	VOC	20.00	<12.0	18.00	<10.0	<11.6	<11.2	15.70	<10.9	<10.9	<11.3	12.60	13.20	<11.5	<11.9	<11.6	<11.2	50	100000a	NA
Methyl Ethyl Ketone	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	NA	100000a	NA
Methyl Isobutyl Ketone	VOC	<5.95	<5.99	<5.62	<5.02	<5.78	<5.61	<5.66	<5.43	<5.45	<5.66	<5.92	<6.01	<5.77	<5.95	<5.81	<5.60	NA	NA	NA
Naphthalene	VOC	<5.95	<5.99	<5.62	<5.02	<5.78	<5.61	<5.66	<5.43	<5.45	<5.66	<5.92	<6.01	<5.77	<5.95	<5.81	<5.60	12,000	NA	NA
n-Propylbenzene	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	3,900	100000a	NA
1,1,2,2-Tetrachloroethane	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	NA	NA	NA
1,1,1,2-Tetrachloroethane	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	NA	NA	NA
Tetrachloroethene	VOC	8.92	12.60	8.66	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	1,300	19000	NA
Toluene	VOC	1.48	<1.20	1.39	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	700	100000a	NA
1,2,4-Trichlorobenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	NA	NA	NA
1,1,1-Trichloroethane	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	680	100000a	NA
1,1,2-Trichloroethane	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	NA	NA	NA
Trichloroethene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	470	21000	NA
1,2,4-Trimethylbenzene	VOC	1.50	<1.20	1.25	1.13	1.32	1.13	1.46	<1.09	1.71	1.44	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	3,600	52000	NA
1,3,5-Trimethylbenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	8,400	52000	NA
Vinyl chloride	VOC	<5.95	<5.99	<5.62	<5.02	<5.78	<5.61	<5.66	<5.43	<5.45	<5.66	<5.92	<6.01	<5.77	<5.95	<5.81	<5.60	20	900	NA
m,p-Xylene	VOC	<1.19	<2.40	<2.25	<1.00	<1.16	<1.12	<1.13	<2.17	<2.18	<2.27	<1.18	<2.40	<2.31	<2.38	<1.16	<2.24	NA	NA	NA
o-Xylene	VOC	<2.38	<1.20	<1.12	<2.01	<2.31	<2.24	<2.26	<1.09	<1.09	<1.13	<2.37	<1.20	<1.15	<1.19	<2.32	<1.12	NA	NA	NA
1,4-Dioxane	VOC	<59.5	<59.9	<56.2	<50.2	<57.8	<56.1	<56.6	<54.3	<54.5	<56.6	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	100	13000	NA
Acenaphthene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	20,000	100000a	NA
Acenaphthylene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	100,000	100000a	NA
Anthracene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	100,000	100000a	NA
Benzo (a) anthracene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	1,000	1000	NA
Benzo (b) fluoranthene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	1,000	1000	NA
Benzo (k) fluoranthene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	800	3900	NA
Benzo (g,h,i) perylene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	100,000	100000a	NA
Benzo (a) pyrene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	1,000	1000	NA
Benzyl alcohol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	NA	NA	NA
Bis(2-chloroethyl)ether	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Bis(2-chloroisopropyl)ether	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Bis(2-ethylhexyl)phthalate	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1170.00	904.00	910.00	1140.00	879.00	853.00	NA	NA	NA
Butyl benzyl phthalate	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	NA	NA	NA
4-Chloroaniline	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	NA	NA	NA
4-Chloro-3-methylphenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
2-Chlorophenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Chrysene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	1,000	3900	NA
Dibenz (a,h) anthracene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	330	330	NA
Dibenzofuran	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	14,000	59000	NA
Di-n-butyl phthalate	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
3,3´-Dichlorobenzidine	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	NA	NA	NA
2,4-Dichlorophenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Diethyl phthalate	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
2,4-Dimethylphenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1180	<1200	<1150	<1190	<1160	<1120	NA	NA	NA
Dimethyl phthalate	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
2,4-Dinitrophenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	NA	NA	NA
2,4-Dinitrotoluene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
2,6-Dinitrotoluene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Di-n-octyl phthalate	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	NA	NA	NA
Fluoranthene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	100,000	100000a	NA
Fluorene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	30,000	100000a	NA
Hexachlorobenzene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	330	1200	NA
Hexachlorobutadiene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	1,000	NA	NA
Hexachlorocyclopentadiene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1180	<1200	<1150	<1190	<1160	<1120	NA	NA	NA
Hexachloroethane	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Indeno (1,2,3-cd) pyrene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	500	500	NA
Isophorone	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
2-Methylphenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	330	100000a	NA

Table 4
Soil Analytical Summary Table
(Continued)

Sample ID	Parameter ID	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-6	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYSDEC Background Levels
3 & 4-Methylphenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Naphthalene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	12,000	100000a	NA
Nitrobenzene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
N-Nitrosodiphenylamine	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
N-Nitrosodi-n-propylamine	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Pentachlorophenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	800	6700	NA
Phenanthrene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	100,000	100000a	NA
Phenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	330	100000a	NA
Pyrene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	100,000	100000	NA
2,4,5-Trichlorophenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
2,4,6-Trichlorophenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
alpha-BHC	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	20	480	NA
alpha-Chlordane	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	NA	NA	NA
beta-BHC	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	36	360	NA
Aldrin	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	5	97	NA
gamma-BHC (Lindane)	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	100	1300	NA
Heptachlor	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	42	2100	NA
delta-BHC	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	40	100000a	NA
Endosulfan I	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	2,400	24000i	NA
Endosulfan II	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	2,400	24000i	NA
Endosulfan sulfate	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	2,400	24000i	NA
Endrin	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	14	11000	NA
4,4´-DDD	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	3.3	1300	NA
4,4´-DDE	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	3.3	8900	NA
4,4´-DDT	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	3.3	7900	NA
Methoxychlor	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Dieldrin	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	5	200	NA
Toxaphene	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1016	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1221	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1232	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1242	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1248	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1254	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1260	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Unit																		*mg/kg*	*mg/kg*	
Arsenic	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.23	<2.40	<2.31	<2.38	<2.12	<2.24	13	16f	3.0-12
Barium	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	185.00	430.00	65.90	421.00	174.00	291.00	350	400	15-600
Beryllium	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.223	<0.240	<0.231	<0.238	<0.212	<0.224	7.2	72	0-1.75
Cadmium	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.66**	**9.08**	**4.58**	**6.70**	**8.51**	**8.58**	2.5	4.3	0.1-1
Chromium	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.70	**104.00**	36.60	24.20	32.70	**108.00**	NA	NA	1.5-40
Copper	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.00	13.70	10.30	35.20	42.10	30.30	50	270	1.0-50
Lead	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.60	2.75	4.22	<2.38	5.06	5.94	63	400	200-500
Manganese	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	349.00	318.00	466.00	263.00	830.00	662.00	1,600	2,000f	100-5,000
Mercury	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.018	<0.018	<0.017	<0.018	<0.017	<0.017	0.18	.81j	0.001-0.2
Nickel	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.80	**56.30**	20.20	16.80	24.40	**66.40**	30	310	0.5-25
Selenium	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.11	<1.20	<1.15	<1.19	<1.06	<1.12	3.9	180	0.1-3.9
Silver	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.11	<1.20	<1.15	<1.19	**3.55**	<1.12	2	180	NA
Zinc	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**62.00**	**124.00**	46.80	**91.90**	**108.00**	**96.00**	109	10000d	9.0-50

ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 4
Soil Analytical Summary Table
(Continued)

Sample ID	Parameter ID	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-6	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYSDEC Background Levels
Depth (feet BEG)		0-5	5-8	5-10	10-15	5-10	10-15	5-10	10-15	10-11.5	10-13	20	15-16	5-8.5	15-20	15-20	10-15			
Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/Kg*	*ug/kg*
Acetone	VOC	20.80	<12.0	**65.60**	24.00	29.40	31.50	**53.70**	28.70	32.40	31.30	26.50	44.50	38.20	24.70	29.60	23.10	50	100000a	NA
Acrylonitrile	VOC	<5.95	<5.99	<5.62	<5.02	<5.78	<5.61	<5.66	<5.43	<5.45	<5.66	<5.92	<6.01	<5.77	<5.95	<5.81	<5.60	NA	NA	NA
Benzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	60	4800	NA
Bromodichloromethane	VOC	<5.95	<5.99	<5.62	<5.02	<5.78	<5.61	<5.66	<5.43	<5.45	<5.66	<5.92	<6.01	<5.77	<5.95	<5.81	<5.60	NA	NA	NA
Bromoform	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	NA	NA	NA
Bromomethane	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	NA	NA	NA
sec-Butylbenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	11,000	100000a	NA
n-Butylbenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	12,000	100000a	NA
tert-Butylbenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	NA	100000a	NA
Carbon Tetrachloride	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	760	2400	NA
Chlorobenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	1,100	100000a	NA
Chloroform	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	370	49000	NA
Chloromethane	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	NA	NA	NA
Dibromochloromethane	VOC	<5.95	<5.99	<5.62	<5.02	<5.78	<5.61	<5.66	<5.43	<5.45	<5.66	<5.92	<6.01	<5.77	<5.95	<5.81	<5.60	NA	NA	NA
1,2-Dichlorobenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	1,100	100000a	NA
1,3-Dichlorobenzene	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	2,400	49000	NA
1,4-Dichlorobenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	1,800	13000	NA
1,1-Dichloroethane	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	270	26000	NA
1,2-Dichloroethane	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	20	3100	NA
1,1-Dichloroethene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	330	100000a	NA
cis-1,2-Dichloroethene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	250	100000a	NA
trans-1,2-Dichloroethene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	190	100000a	NA
1,2-Dichloropropane	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	NA	NA	NA
Ethylbenzene	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	1,000	41000	NA
Hexachlorobutadiene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	NA	NA	NA
Methyl-tert-Butyl Ether	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	930	100000a	NA
Methylene Chloride	VOC	20.00	<12.0	18.00	<10.0	<11.6	<11.2	15.70	<10.9	<10.9	<11.3	12.60	13.20	<11.5	<11.9	<11.6	<11.2	50	100000a	NA
Methyl Ethyl Ketone	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	NA	100000a	NA
Methyl Isobutyl Ketone	VOC	<5.95	<5.99	<5.62	<5.02	<5.78	<5.61	<5.66	<5.43	<5.45	<5.66	<5.92	<6.01	<5.77	<5.95	<5.81	<5.60	NA	NA	NA
Naphthalene	VOC	<5.95	<5.99	<5.62	<5.02	<5.78	<5.61	<5.66	<5.43	<5.45	<5.66	<5.92	<6.01	<5.77	<5.95	<5.81	<5.60	12,000	NA	NA
n-Propylbenzene	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	3,900	100000a	NA
1,1,2,2-Tetrachloroethane	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	NA	NA	NA
1,1,1,2-Tetrachloroethane	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	NA	NA	NA
Tetrachloroethene	VOC	8.92	12.60	8.66	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	1,300	19000	NA
Toluene	VOC	1.48	<1.20	1.39	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	700	100000a	NA
1,2,4-Trichlorobenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	NA	NA	NA
1,1,1-Trichloroethane	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	680	100000a	NA
1,1,2-Trichloroethane	VOC	<2.38	<2.40	<2.25	<2.01	<2.31	<2.24	<2.26	<2.17	<2.18	<2.27	<2.37	<2.40	<2.31	<2.38	<2.32	<2.24	NA	NA	NA
Trichloroethene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	470	21000	NA
1,2,4-Trimethylbenzene	VOC	1.50	<1.20	1.25	1.13	1.32	1.13	1.46	<1.09	1.71	1.44	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	3,600	52000	NA
1,3,5-Trimethylbenzene	VOC	<1.19	<1.20	<1.12	<1.00	<1.16	<1.12	<1.13	<1.09	<1.09	<1.13	<1.18	<1.20	<1.15	<1.19	<1.16	<1.12	8,400	52000	NA
Vinyl chloride	VOC	<5.95	<5.99	<5.62	<5.02	<5.78	<5.61	<5.66	<5.43	<5.45	<5.66	<5.92	<6.01	<5.77	<5.95	<5.81	<5.60	20	900	NA
m,p-Xylene	VOC	<1.19	<2.40	<2.25	<1.00	<1.16	<1.12	<1.13	<2.17	<2.18	<2.27	<1.18	<2.40	<2.31	<2.38	<1.16	<2.24	NA	NA	NA
o-Xylene	VOC	<2.38	<1.20	<1.12	<2.01	<2.31	<2.24	<2.26	<1.09	<1.09	<1.13	<2.37	<1.20	<1.15	<1.19	<2.32	<1.12	NA	NA	NA
1,4-Dioxane	VOC	<59.5	<59.9	<56.2	<50.2	<57.8	<56.1	<56.6	<54.3	<54.5	<56.6	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	100	13000	NA
Acenaphthene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	20,000	100000a	NA
Acenaphthylene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	100,000	100000a	NA
Anthracene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	100,000	100000a	NA
Benzo (a) anthracene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	1,000	1000	NA
Benzo (b) fluoranthene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	1,000	1000	NA
Benzo (k) fluoranthene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	800	3900	NA
Benzo (g,h,i) perylene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	100,000	100000a	NA
Benzo (a) pyrene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	1,000	1000	NA
Benzyl alcohol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	NA	NA	NA
Bis(2-chloroethyl)ether	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Bis(2-chloroisopropyl)ether	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Bis(2-ethylhexyl)phthalate	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1170.00	904.00	910.00	1140.00	879.00	853.00	NA	NA	NA
Butyl benzyl phthalate	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	NA	NA	NA
4-Chloroaniline	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	NA	NA	NA
4-Chloro-3-methylphenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
2-Chlorophenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Chrysene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	1,000	3900	NA
Dibenz (a,h) anthracene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	330	330	NA
Dibenzofuran	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	14,000	59000	NA
Di-n-butyl phthalate	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
3,3´-Dichlorobenzidine	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	NA	NA	NA
2,4-Dichlorophenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Diethyl phthalate	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
2,4-Dimethylphenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1180	<1200	<1150	<1190	<1160	<1120	NA	NA	NA
Dimethyl phthalate	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
2,4-Dinitrophenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	NA	NA	NA
2,4-Dinitrotoluene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
2,6-Dinitrotoluene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Di-n-octyl phthalate	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	NA	NA	NA
Fluoranthene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	100,000	100000a	NA
Fluorene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	30,000	100000a	NA
Hexachlorobenzene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	330	1200	NA
Hexachlorobutadiene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	1,000	NA	NA
Hexachlorocyclopentadiene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1180	<1200	<1150	<1190	<1160	<1120	NA	NA	NA
Hexachloroethane	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Indeno (1,2,3-cd) pyrene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	500	500	NA
Isophorone	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
2-Methylphenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	330	100000a	NA

Table 4
Soil Analytical Summary Table
(Continued)

Sample ID	Parameter ID	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-6	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	NYCRR 375 Unrestricted Use	NYCRR 375 Restricted-Residential	NYSDEC Background Levels
3 & 4-Methylphenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Naphthalene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	12,000	100000a	NA
Nitrobenzene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
N-Nitrosodiphenylamine	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
N-Nitrosodi-n-propylamine	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
Pentachlorophenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<592	<601	<577	<595	<581	<560	800	6700	NA
Phenanthrene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	100,000	100000a	NA
Phenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	330	100000a	NA
Pyrene	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	100,000	100000	NA
2,4,5-Trichlorophenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<237	<240	<231	<238	<232	<224	NA	NA	NA
2,4,6-Trichlorophenol	SVOC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
alpha-BHC	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	20	480	NA
alpha-Chlordane	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	NA	NA	NA
beta-BHC	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	36	360	NA
Aldrin	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	5	97	NA
gamma-BHC (Lindane)	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	100	1300	NA
Heptachlor	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	42	2100	NA
delta-BHC	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.8	<12.0	<11.5	<11.9	<11.6	<11.2	40	100000a	NA
Endosulfan I	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	2,400	24000i	NA
Endosulfan II	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	2,400	24000i	NA
Endosulfan sulfate	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	2,400	24000i	NA
Endrin	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	14	11000	NA
4,4´-DDD	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	3.3	1300	NA
4,4´-DDE	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	3.3	8900	NA
4,4´-DDT	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	3.3	7900	NA
Methoxychlor	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Dieldrin	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<59.2	<60.1	<57.7	<59.5	<58.1	<56.0	5	200	NA
Toxaphene	PESTICIDE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1016	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1221	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1232	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1242	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1248	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1254	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Aroclor 1260	PCB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<118	<120	<115	<119	<116	<112	NA	NA	NA
Unit																		*mg/kg*	*mg/kg*	
Arsenic	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.23	<2.40	<2.31	<2.38	<2.12	<2.24	13	16f	3.0-12
Barium	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	185.00	430.00	65.90	421.00	174.00	291.00	350	400	15-600
Beryllium	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.223	<0.240	<0.231	<0.238	<0.212	<0.224	7.2	72	0-1.75
Cadmium	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.66**	**9.08**	**4.58**	**6.70**	**8.51**	**8.58**	2.5	4.3	0.1-1
Chromium	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12.70	**104.00**	36.60	24.20	32.70	**108.00**	NA	NA	1.5-40
Copper	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.00	13.70	10.30	35.20	42.10	30.30	50	270	1.0-50
Lead	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.60	2.75	4.22	<2.38	5.06	5.94	63	400	200-500
Manganese	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	349.00	318.00	466.00	263.00	830.00	662.00	1,600	2,000f	100-5,000
Mercury	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.018	<0.018	<0.017	<0.018	<0.017	<0.017	0.18	.81j	0.001-0.2
Nickel	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20.80	**56.30**	20.20	16.80	24.40	**66.40**	30	310	0.5-25
Selenium	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.11	<1.20	<1.15	<1.19	<1.06	<1.12	3.9	180	0.1-3.9
Silver	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.11	<1.20	<1.15	<1.19	**3.55**	<1.12	2	180	NA
Zinc	METAL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**62.00**	**124.00**	46.80	**91.90**	**108.00**	**96.00**	109	10000d	9.0-50

ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 5:
Groundwater Analytical Data Summary

Sample ID	Parameter ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	**NYSDEC** TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values
Depth (feet BEG)								
Unit		*ug/l*	*ug/l*	*ug/l*	*ug/l*	*ug/l*	*ug/l*	*ug/l*
Acetone	VOC	<10.0	<10.0	11.2	<10.0	<10.0	DRY	50
Acrylonitrile	VOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	5
Benzene	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	1
Bromodichloromethane	VOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	50
Bromoform	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	50
Bromomethane	VOC	<2.00	<2.00	<2.00	<2.00	<2.00	DRY	5
Carbon disulfide	VOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	60
Carbon Tetrachloride	VOC	<2.00	<2.00	<2.00	<2.00	<2.00	DRY	5
Chlorobenzene	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	5
Chloroethane	VOC	<2.00	<2.00	<2.00	<2.00	<2.00	DRY	5
Chloroform	VOC	6.99	4.01	**35.6**	**11.4**	**24**	DRY	7
Chloromethane	VOC	<2.00	<2.00	<2.00	<2.00	<2.00	DRY	5
Dibromochloromethane	VOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	50
1,2-Dichlorobenzene	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	3
1,3-Dichlorobenzene	VOC	<2.00	<2.00	<2.00	<2.00	<2.00	DRY	3
1,4-Dichlorobenzene	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	3
1,1-Dichloroethane	VOC	<2.00	<2.00	<2.00	<2.00	<2.00	DRY	5
1,2-Dichloroethane	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	0.6
1,1-Dichloroethene	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	5
cis-1,2-Dichloroethene	VOC	3	<1.00	<1.00	<1.00	<1.00	DRY	5
trans-1,2-Dichloroethene	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	5
1,3-Dichloropropane	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	5
1,2-Dichloropropane	VOC	<2.00	<2.00	<2.00	<2.00	<2.00	DRY	1
Ethylbenzene	VOC	<2.00	<2.00	<2.00	<2.00	<2.00	DRY	5
Hexachlorobutadiene	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	0.01
Methylene Chloride	VOC	<10.0	<10.0	<10.0	<10.0	<10.0	DRY	5
Methyl Ethyl Ketone	VOC	<2.00	<2.00	<2.00	<2.00	<2.00	DRY	50
Methyl Isobutyl Ketone	VOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	NA
Naphthalene	VOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	NA
1,1,2,2-Tetrachloroethane	VOC	<2.00	<2.00	<2.00	<2.00	<2.00	DRY	5
1,1,1,2-Tetrachloroethane	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	5
Tetrachloroethene	VOC	<1.00	**10.2**	2.22	**12.9**	<1.00	DRY	5
Toluene	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	5
1,2,4-Trichlorobenzene	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	5
1,1,1-Trichloroethane	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	5
1,1,2-Trichloroethane	VOC	<2.00	<2.00	<2.00	<2.00	<2.00	DRY	1
Trichloroethene	VOC	**7.03**	<1.00	<1.00	<1.00	<1.00	DRY	5
1,2,3-Trichloropropane	VOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	0.04
1,1,2-Trichloro-1,2,2-trifluoroethane	VOC	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	5
Vinyl chloride	VOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	2
o-Xylene	VOC	<1.00	<2.00	<1.00	<1.00	<1.00	DRY	NA
m,p-Xylene	VOC	<2.00	<1.00	<2.00	<2.00	<2.00	DRY	NA
1,4-Dioxane	VOC	<50.0	<50.0	<50.0	<50.0	<50.0	DRY	NA
Acenaphthene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	20
Acenaphthylene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	NA
Benzo (a) anthracene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	0.002
Benzo (b) fluoranthene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	0.002
Benzo (k) fluoranthene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	0.002
Benzo (g,h,i) perylene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	NA
Benzo (a) pyrene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	MDL
Benzyl alcohol	SVOC	<6.00	<6.00	<6.00	<6.00	<6.00	DRY	NA
Bis(2-chloroethyl)ether	SVOC	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	1
Bis(2-chloroisopropyl)ether	SVOC	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	5
Bis(2-ethylhexyl)phthalate	SVOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	5
Anthracene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	50
Butyl benzyl phthalate	SVOC	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	50
4-Chloroaniline	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	5
4-Chloro-3-methylphenol	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	NA
2-Chlorophenol	SVOC	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	NA
Chrysene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	0.002
Dibenz (a,h) anthracene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	NA
Di-n-butyl phthalate	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	50
3,3´-Dichlorobenzidine	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	5
2,4-Dichlorophenol	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	NA
Diethyl phthalate	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	50
2,4-Dimethylphenol	SVOC	<10.0	<10.0	<10.0	<10.0	<10.0	DRY	NA
Dimethyl phthalate	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	50
2,4-Dinitrophenol	SVOC	<6.00	<6.00	<6.00	<6.00	<6.00	DRY	10
2,4-Dinitrotoluene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	5
2,6-Dinitrotoluene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	5
Di-n-octyl phthalate	SVOC	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	50

Table 5:
Groundwater Analytical Data Summary

Sample ID	Parameter ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	**NYSDEC** TOGS 1.1.1. Ambient Water Quality Standards and Guidance Values
Depth (feet BEG)								
Unit		*ug/l*	*ug/l*	*ug/l*	*ug/l*	*ug/l*	*ug/l*	*ug/l*
Fluoranthene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	50
Fluorene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	50
Hexachlorobenzene	SVOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	0.04
Hexachlorobutadiene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	0.01
Hexachlorocyclopentadiene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	5
Hexachloroethane	SVOC	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	5
Indeno (1,2,3-cd) pyrene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	0.002
Isophorone	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	50
2-Methylphenol	SVOC	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	NA
3 & 4-Methylphenol	SVOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	NA
Naphthalene	SVOC	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	10
Nitrobenzene	SVOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	0.4
N-Nitrosodiphenylamine	SVOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	NA
N-Nitrosodi-n-propylamine	SVOC	<5.00	<5.00	<5.00	<5.00	<5.00	DRY	NA
Pentachlorophenol	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	NA
Phenanthrene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	50
Phenol	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	1
Pyrene	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	50
2,4,5-Trichlorophenol	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	NA
2,4,6-Trichlorophenol	SVOC	<3.00	<3.00	<3.00	<3.00	<3.00	DRY	NA
alpha-BHC	PESTICIDE	<0.10	<0.10	<0.10	<0.10	<0.10	DRY	0.01
alpha-Chlordane	PESTICIDE	<0.10	<0.10	<0.10	<0.10	<0.10	DRY	NA
beta-BHC	PESTICIDE	<0.10	<0.10	<0.10	<0.10	<0.10	DRY	0.04
Aldrin	PESTICIDE	<0.10	<0.10	<0.10	<0.10	<0.10	DRY	MDL
gamma-BHC (Lindane)	PESTICIDE	<0.10	<0.10	<0.10	<0.10	<0.10	DRY	0.05
Heptachlor	PESTICIDE	<0.10	<0.10	<0.10	<0.10	<0.10	DRY	0.04
delta-BHC	PESTICIDE	<0.10	<0.10	<0.10	<0.10	<0.10	DRY	0.04
Endosulfan I	PESTICIDE	<0.50	<0.50	<0.50	<0.50	<0.50	DRY	NA
Endosulfan II	PESTICIDE	<0.50	<0.50	<0.50	<0.50	<0.50	DRY	NA
Endosulfan sulfate	PESTICIDE	<0.50	<0.50	<0.50	<0.50	<0.50	DRY	NA
Endrin	PESTICIDE	<0.50	<0.50	<0.50	<0.50	<0.50	DRY	MDL
4,4´-DDD	PESTICIDE	<0.50	<0.50	<0.50	<0.50	<0.50	DRY	0.3
4,4´-DDE	PESTICIDE	<0.50	<0.50	<0.50	<0.50	<0.50	DRY	0.2
4,4´-DDT	PESTICIDE	<0.50	<0.50	<0.50	<0.50	<0.50	DRY	0.2
Methoxychlor	PESTICIDE	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	35
Dieldrin	PESTICIDE	<0.50	<0.50	<0.50	<0.50	<0.50	DRY	0.004
Toxaphene	PESTICIDE	<1.00	<1.00	<1.00	<1.00	<1.00	DRY	0.06
Aroclor 1016	PCB	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	NA
Aroclor 1221	PCB	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	NA
Aroclor 1232	PCB	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	NA
Aroclor 1242	PCB	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	NA
Aroclor 1248	PCB	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	NA
Aroclor 1254	PCB	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	NA
Aroclor 1260	PCB	<4.00	<4.00	<4.00	<4.00	<4.00	DRY	NA
Unit								*ug/l*
Arsenic	METAL	<0.040	<0.040	<0.040	<0.040	<0.040	DRY	0.025
Barium	METAL	**1.04**	0.39	0.388	0.561	0.796	DRY	1
Beryllium	METAL	<0.004	<0.004	<0.004	<0.004	<0.004	DRY	0.003
Cadmium	METAL	<0.020	<0.020	<0.020	<0.020	<0.020	DRY	0.005
Chromium	METAL	**0.054**	<0.020	0.026	0.033	<0.020	DRY	0.05
Copper	METAL	**0.078**	**0.052**	**0.109**	**0.081**	**0.099**	DRY	0.2
Lead	METAL	**0.184**	**0.09**	**0.582**	**0.216**	**0.653**	DRY	0.025
Manganes	METAL	**2.05**	**0.667**	**0.856**	**1.9**	**1.23**	DRY	0.3
Mercury	METAL	<0.30	<0.30	<0.30	<0.30	<0.30	DRY	0.0007
Nickel	METAL	0.042	<0.010	0.018	0.026	0.036	DRY	0.1
Selenium	METAL	<0.020	<0.020	<0.020	<0.020	<0.020	DRY	0.01
Silver	METAL	<0.020	<0.020	<0.020	<0.020	<0.020	DRY	0.05
Zinc	METAL	0.227	0.126	0.377	0.298	1.93	DRY	2
Cyanide, Total	METAL	<0.020	<0.021	<0.022	<0.023	0.079	DRY	0.2

mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter
DRY = no groundwater found in the well

Table 6: Soil Vapor Analytical Summary

Sample ID	Parameter ID	SG-1	SG-2	SG-3	SG-4	SG-5	SG-6	SG-7	SG-8	SG-1	SG-2	SG-3	SG-4	SG-5	Ambient
Depth (feet BEG)		10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	NA
Date		Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Jun-11	Jun-11	Jun-11	Jun-11	Jun-11	Jun-11
Unit		*ug/m3*	*ug/m3*	*ug/m3*	*ug/m3*	*ug/m3*	*ug/m3*	*ug/m3*	*ug/m3*	*ug/m3*	*ug/m3*	*ug/m3*	*ug/m3*	*ug/m3*	*ug/m3*
1,1,1-Trichloroethane	VOC	2.2	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorolbenzene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	VOC	ND	ND	ND	ND	2.1	ND	ND	ND	14	ND	ND	ND	30	5.9
1,2-Dibromoethane	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.4	2
1,3-Butadiene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	VOC	ND	ND	ND	ND	ND	ND	ND	ND	7.5	ND	ND	ND	11	1.6
2-Butanone (MEK)	VOC	ND	ND	ND	ND	ND	ND	ND	ND	22	602	372	11	75.8	2.2
2-Chlorotoluene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Chloropropene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Ethyltoluene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.9	ND
Acetone	VOC	803	54.6	577	104	53.7	14	6.4	5.5	378	37500	70300	230	618	16
Benzene	VOC	ND	1.4	1.5	1.6	ND	1.3	1.7	1.5	6.1	ND	ND	ND	12	1.3
Benzyl Chloride	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoethene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	VOC	2.3	1.3	1.7	1.5	ND	1.4	1.6	1.6	ND	48.5	162	1.6	1.7	1
cis-1,2-Dichloroethylene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	5.6	ND	1.7
cis-1,3-Dichloropropene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	VOC	ND	ND	ND	ND	ND	ND	ND	ND	5.5	ND	ND	2.1	5.5	ND
Dibromochloromethane	VOC	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	VOC	2.4	2.7	2.4	ND	2.5	2.5	2.9	2.8	ND	ND	ND	3.3	2.9	2
Ethanol	VOC	25.1	11	17	14	ND	12	13	ND	59.9	573	1080	108	76.9	14
Ethylbenzene	VOC	2.2	ND	ND	ND	ND	ND	ND	ND	8.3	ND	ND	ND	31	1.3
Ethyl Acetate	VOC	82.1	150	77.4	54	ND	86	139	138	117	ND	ND	ND	51.8	16
Freon 113	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 114	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptane	VOC	1.9	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	8.6	ND
Hexachlorobutadiene	VOC	0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexane	VOC	6.7	4.6	2.9	1.6	9.2	2	2.3	2.5	7.4	ND	ND	15	13	1
Isopropyl Alcohol	VOC	5.9	ND	ND	ND	ND	ND	ND	ND	15	265	543	7.6	15	ND
m-Dichlorobenzene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	VOC	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	7.3	ND	ND
Methyl Isobutyl Ketone	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Tert-Butyl Ether	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.4	ND
Methylmethacrylate	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Dichlorobenzene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylene	VOC	17.3	ND	9.6	6.4	ND	9.1	3.4	3.8	34.9	565	1510	17.7	55.3	2.2
p-Dichlorobenzene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tertiary Butyl Alcohol	VOC	ND	ND	ND	ND	ND	ND	ND	ND	250	643	527	9.1	127	ND
Tetrachloroethylene	VOC	ND	1.2	ND	ND	187	ND	ND	ND	5310	7660	2940	70.5	3.1	1600
Tetrahydrofuran	VOC	ND	ND	ND	ND	ND	ND	ND	ND	29	68.1	56.9	16	37.5	ND
Toluene	VOC	38.1	8.7	5.7	4.1	17	4.9	6.4	5.3	46.4	55.4	56.5	ND	56.5	5.3
Total Xylenes	VOC	8.3	ND	2.3	1.8	3.1	ND	1.9	1.9	43	57.8	155	ND	149	6.1
trans-1,3-Dichloropropene	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	VOC	ND	0.91	ND	ND	ND	ND	ND	ND	4.8	ND	ND	ND	ND	0.59
Trichlorofluoromethane	VOC	ND	2.2	ND	ND	2.4	ND	ND	ND	14	ND	ND	12	10	1.7
Vinyl Acetate	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	VOC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ug/m3 = micrograms per Cubic Meter of Air

Impact Environmental
Remedial Investigation Report
BCP # 12CBCPO16X

Appendices

Impact Environmental
Remedial Investigation Report
BCP # 12CBCPO16X

Appendix A:
Phase I ESA Report, dated June 3, 2008

Phase I Environmental Site Assessment

June 3, 2008

conducted at:

60 West 177th Street & 92 West Tremont Avenue
Bronx, New York
New York City Tax Map Designation: *Block 2867; Lots 125 & 128*

prepared for:

Promesa Systems Inc.
300 East 175th Street
Bronx, New York 10457

report users:

Promesa Systems Inc.
U.S. Department of HUD
NYC Department of Housing and Development

IE Project # 1370-1-08-0508

IMPACT ENVIRONMENTAL

170 KEYLAND COURT, BOHEMIA, NEW YORK 11716 | 631.269.8800 TELEPHONE | 631. 269.1599 FACSIMILE | IMPACTENVIRONMENTAL.COM

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Document Distribution

Promesa Systems Inc.	User	Two (2) copies
Impact Environmental Corporate Records	Preparer	One (1) copy

1 EXECUTIVE SUMMARY

Impact Environmental has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of 60 West 177th Street & 92 West Tremont Avenue, Bronx, New York, ("The Site") under contract to by Promesa Systems Inc. ("The Client"). Any exceptions to, or deletions from, this practice are described in Section 2.2 of this report.

The Site is situated in a residential zoning area of the County of Bronx, City of New York, New York. The extent of the Site is approximately 0.59 acres. The Site comprises of two distinct NYC tax lots 125 and 128. For the purpose of this report, these lots will herein be referred to as the Site. The Site was unimproved land, secured with a fence and did not maintain any permanent structures. No storm water drywells are located on the Site for storm water drainage. The surface area of the Site consists of concrete sidewalks, exposed soils, and vegetative landscaping.

The site is bound to the north by West 177th Street, and beyond by a residential property; to the south by a residential apartment building; to the west by west Tremont Avenue, and beyond by a residential apartment building; and to the east by undeveloped land and a residential apartment building.

A review of historic records revealed that the Site has been utilized as a dry-cleaning facility since at least 1948 to approximately 1979. No documentation was available regarding the handling and disposal practices associated with the chemicals utilized by the former dry-cleaning facility maintained on the Site. This lack of documentation represents a recognized environmental condition. Accordingly, it is recommended that a subsurface investigation be conducted to determine if the Site has been impacted by historic onsite activities.

A review of New York City Building Department records revealed that the building formerly maintained on the Site was serviced by a fuel oil fired boiler. No documentation was available regarding the proper decommissioning of the oil storage tank historically maintained on the Site. In addition, the onsite inspection revealed the presence of urban fill on the Site. Accordingly, it is recommended that a ground penetrating radar survey be conducted to determine if a tank is present on the Site. Further, it is recommended that a subsurface investigation should be conducted to determine if the Site has been adversely impacted by the presence of these sources.

Several off-site confirmed or potential contamination sources were identified to exist within the ASTM search radius. The need for the above-recommended on-site investigative activities is further supported by the presence of these sources.

This assessment has revealed evidence of recognized environmental conditions associated with the Site. Accordingly, additional activities are recommended to define and/or enhance the environmental quality of the Site (see Recommended Phase II ESA Activities in Section 8.30. In addition, the recommended Phase I ESA and compliance activities should be performed as outlined in Section 8.2 and 8.5.

2 INTRODUCTION

2.1 Purpose

This assessment is intended, where applicable to the standard of care, to satisfy the requirements of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments, as published in ASTM E 1527-05. Banks, insurance companies, and prospective property purchasers require an understanding of existing and past property conditions and uses in order to assess the potential liabilities associated with a property. This assessment has been completed by a qualified environmental professional as defined in ASTM Standards.

This report is not intended to present any legal opinions. The data and all conclusions presented in this report should be verified by the Client's and User's legal counsel.

The objectives of this Environmental Site Assessment are stated as follows:

- Establish a basis of understanding of the past and present land uses of the Site in order to identify potential environmental and/or public health risks.

- Establish a basis of understanding of the past and present surrounding land uses and environmental resources in order to determine their impact on the environmental quality of the Site.

- Constitute an all appropriate inquiry suitable for establishing innocent landowner, contiguous property owner, or bona fide prospective purchaser (also referred to as "land owner liability protections" or "LLPs") pursuant to 42 U.S.C. § 9601 (35) (B) and the Brownfield Revitalization and Environmental Restoration Act of 2001 (Brownfield Act).

- Provide information that can be used to evaluate CERCLA liability and "good neighbor" responsibilities for contaminants migrating onto or under the Site from contiguous properties in consideration of the Brownfield Act.

- Identify, to the extent feasible, *recognized environmental conditions* (RECs) in connection with the Site and surrounding properties. The term r*ecognized environmental conditions* means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimus conditions that generally do not present a material risk of harm to public health or the environment and that

generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimus are not recognized environmental conditions.

2.2 Limitations and Exceptions

This Phase I Environmental Site Assessment was conducted solely to permit Impact Environmental to render a professional opinion about the likelihood of regulated contaminants being present on, in, or beneath the Site in question at the time services were conducted. No matter how thorough a Phase I Environmental Site Assessment study may be, findings derived from its conduct are limited, and Impact Environmental cannot know or state for an absolute fact that a site, or a portion of the site, is unaffected by reportable quantities of regulated contaminants. Furthermore, even if Impact Environmental believes that reportable quantities of regulated contaminants are not present, there still exists a risk that such contaminants may be present or may migrate to the site after the study is complete. This assessment is dated, and is only valid for activities that occurred prior to the date of the site visit. Activities, liabilities, and alterations to the Site subsequent to the date of the site visit are not included in the assessment.

ASTM has developed a variety of prescriptive professional practice standards (standard practices and standard guides), identify specific methods professionals could or should use to attain results. Such prescriptive professional practice standards fail to consider the unique needs of a client, the client's project-specific expectations, or the requirements and obligations of the professionals engaged to provide service, nor do they consider more effective techniques that may have been developed subsequent to the issuance of such standards. These ASTM standards are generic and general in nature and, therefore, do not always constitute, nor are they tantamount to the applicable standard of care, which necessarily is defined and must consider project-specific contractual terms and other particular needs, expectations, circumstances, and requirements of the project and the professional engagement. Full adherence to ASTM's prescriptive professional practice standards may not be appropriate or in the best interests of the client or the project Impact Environmental's instruments of service. Impact Environmental has worked to develop a scope of service specifically for this project, in accordance with client's needs and preferences and Impact Environmental's professional and contractual obligations.

The ASTM Standards provide specific guidance with regard to radon, asbestos, lead in drinking water, lead based paint, and polychlorinated biphenyls (PCBs). Analysis of the CERCLA implications with regard to the innocent landowner defense under Superfund finds that naturally occurring radon is not subject to CERCLA liability and is appropriately considered as a non-scope issue. Accordingly, this assessment will only provide general guidance on this issue, and will not involve or recommend air monitoring for radon gas.

Similarly, the ASTM Standards do not recognize liability with regard to asbestos that is part of the building materials of a structure, in accordance with CERCLA innocent landowner defense under Superfund. In the

interest of serving the client and addressing the needs of the *user*, this assessment will identify possible observed asbestos containing materials (ACMs), may pose a health threat. This assessment is not a full asbestos survey as would be required for building demolition, or identification of all possible sources of ACM, regardless of health danger.

Lead in drinking water and lead based paint are also issues that are considered to be non-scope under CERCLA innocent landowner defense under Superfund. Lead based paint was in use for many years, and it is likely that many older buildings will have surfaces coated with lead based paint. As a general rule, painted surfaces should be maintained and ingestion of paint products should be avoided. If disposal of these materials were involved, disclosure of this practice would be subject to the scope of this environmental assessment. In the interest of serving the user, this report may include limited field-testing of surface paints and the observations on the condition of the painted surfaces. Lead in drinking water generally occurs as a result of past use of high lead content solder. Water left stagnant in pipes overnight or longer may leach lead from these joints and affect drinking water quality. As a general rule, water should be run for several minutes in the morning where such plumbing may be present.

This assessment will not identify all potential sources of PCB containing oils. Common sources of these materials include transformers and fluorescent lamp ballasts. Electric service transformers may include ground level or pole mounted units. These transformers are owned and maintained by regional public utilities. Transformers are inventoried and periodically inspected. Public utility company representatives have reported that transformers were not manufactured to contain PCB contaminated oils. Aggressive and destructive testing, which would be required for definitive identification of PCB containing oils, is beyond the scope of this study.

In addition to these non-scope considerations, ASTM also lists other issues that are beyond the scope of the standard practice for Phase I Environmental Site Assessments. These include vapor intrusion assessments, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, molds, urban fill containing non-point source related contaminants and high voltage power-lines. However, it is noted that this list is not intended to be all-inclusive. Identification and interpretation of several of these issues will be addressed by Impact Environmental as necessary to meet the standard of care.

It must be noted that the accuracy of any assessment is limited to the information available during the time of the site visit; the records, files, and drawings provided by the owner and released by governmental agencies; and the accuracy and completeness of the information provided during interviews.

2.3 Special Terms and Conditions

It is the responsibility of the *user* of this report (the party seeking to use this Environmental Site Assessment; i.e., the purchaser, lender, owner, potential tenant, or property manager) to provide certain information utilized in the report. This would include reporting of any *environmental liens* (for example, consideration against the property for response action, cleanup, or remediation of hazardous substances or petroleum products) encumbering the property or specialized knowledge or experience that would assist in identifying *recognized environmental conditions*.

The standard of care is uniform in each Phase I Environmental Site Assessment (ESA); however, the availability of information, relevance, and quality of information can vary. As per ASTM Standards, the "*environmental professional* is not required to verify independently the information provided, but may rely on information provided unless he or she has actual knowledge that certain information is incorrect or unless it is obvious that certain information is incorrect based on other information obtained in the Phase I ESA or otherwise actually known to the environmental professional." Personnel involved in report preparation will make judgments on the accuracy of *user* provided information and conduct additional research as necessary in order to meet the requirement of identifying *recognized environmental conditions* on the Site.

ASTM provides a number of standard sources of historic information. Impact Environmental will seek to research historic information as may be available as a means of cross confirmation. According to ASTM's Standard Practice for Environmental Site Assessments (E 1527-05), the "environmental professional is required to review only record information that is *reasonably ascertainable*," whereby *reasonably ascertainable* is defined as:

- Information that is *publicly available*.
- Information that is obtainable from its source within *reasonable time* and cost constraints.
- Information that is *practically reviewable.*

ASTM defines *reasonable time constraints* as information being provided by the source within twenty days of receiving a written request. *Practically reviewable* means that "the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the property without the need for extraordinary analysis of irrelevant data." Publicly available means "that the source of the information allows access to the information to anyone upon request."

Based on ASTM Standards, the Phase I ESA is not intended to include any sampling and analysis of materials associated with the Site (i.e., soil, water, air, or building materials). However, if it has been noted by Impact Environmental that certain non-scope issues may be of concern to the *user*, a limited sampling and analysis program may be included under the scope of this assessment (lead surface paints and friable asbestos). Radon test results published by the USEPA Office of Radiation and Indoor Air in conjunction with the USGS were reviewed in lieu of sampling.

2.4 User Reliance

This assessment was performed at the request of Promesa Systems Inc. utilizing methods and procedures consistent with good commercial or customary practices. This assessment is intended, where applicable to the standard of care, to satisfy the requirements of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments, as published in ASTM E 1527-05. The independent conclusions represent the best professional judgment of the Environmental Professional based on the conditions that existed and the information and data available to Impact Environmental during the course of this assignment. Factual information regarding operations and conditions provided by the client, owner, or the representative has been assumed to be correct and complete. The report may be distributed and relied upon by Promesa Systems Inc.. Reliance on the information and conclusions presented in this report by other party(ies) is not authorized by Impact Environmental.

Project Information:

Contract activation date:	May 23, 2008
Promesa Systems Inc. timetable:	2 weeks
Project deadline:	June 3, 2008

3 SITE DESCRIPTION

The extent of the Site is approximately 25,475 square feet. The Site was fenced unimproved land and did not maintain any permanent structures.. The surface area of the Site consists of concrete walkways, exposed soils, and vegetative landscaping. The Site exhibits low topographic relief (less than three percent slopes).

3.1 Topography

The elevation of the Site, as presented on the United States Geologic Survey (USGS), Central Park Quadrangle Map, approximates 100 feet above sea level. The USGS Map, which was base dated 1954, photorevised and field checked in 1966, and photorevised again in 1979, did not depict a structure on the Site (the property is within an area in which only landmark buildings were mapped).

3.2 Subsurface Geology

The Site is located within the New England Uplands physiographic province, which is geologically complex and exhibits moderate topographic relief. Throughout the area, the rocks have been folded, deformed and faulted during the structural upheaval and chemical alterations associated with a plate subduction zone and dynomorthermal metamorphism. The province includes a majority of high-grade metamorphic rocks of Silurian age. These rocks include the Hudson Schist and the Yonkers Gneiss Formations. These rock formations include pelitic schists (sillimanite-garnet-muscovite-biotite-quartz-plagioclase), gneisses and amphiobolites. The province also includes sedimentary (parent) rock types including sandstones, siltstones, limestones, shales and quartz conglomerates.

The majority of the soil characteristics of the county are a function of the glacial geology of Bronx County. The area which now occupies Bronx County was completely covered by a continental glacier, which probably reached maximum thickness about 27,000 years ago. All preglacial landforms were modified by this glaciation and the subsequent deposition of till that occurred when the ice margin withdrew from the county about 14,000 years ago.

The present topographic relief of the county tends to be more subdued than the preglacial relief. The deposition of glacial till directly from the ice has masked most of the original bedrock relief. Many of the preglacial valleys were filled or blocked by glaciolacustrine deposits overlain by glaciofluvial deposits. Consequently, the present drainage systems, while reflecting original patterns, have been extensively altered.

In general, the soil mineralogy of the region correlates to that of the underlying bedrock. Recessional moraines, kames, eskers, crevasse fillings, and other ice contact depositional features occur in the county and cause many localized hydrologic effects.

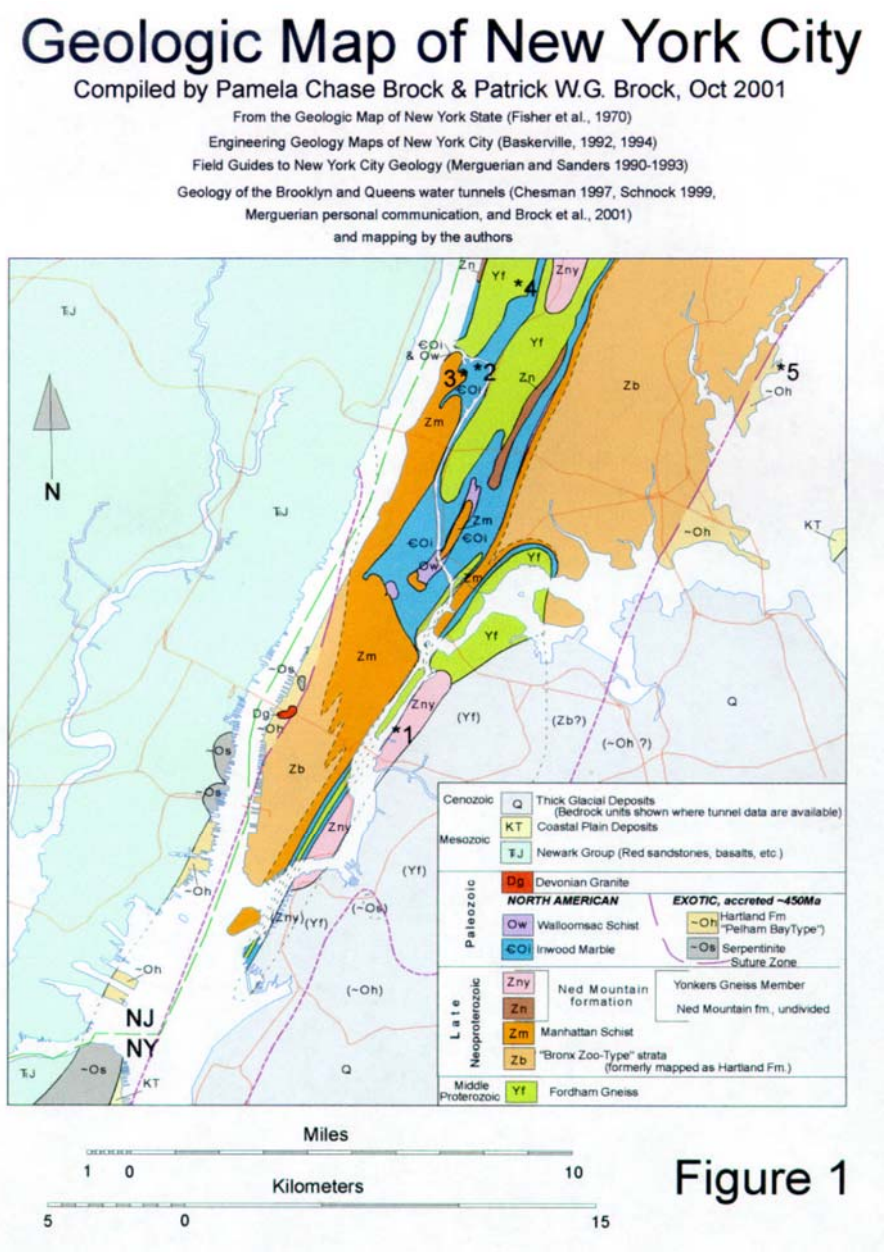


Figure 1

The groundwater resources are in unconfined sand and gravel deposits of glacial origin and in consolidated rock. The unconfined sand and gravel deposits form aquifers that are generally small and restricted to the valley areas. These aquifers recharge rapidly and therefore yield large quantities of water. Bedrock generally yields sufficient quantities of water for individual home or farm needs, but is rarely dependable for large industrial or city supplies. Groundwater obtained from the bedrock aquifers comes from fractures or cracks in the rock mass. The water-bearing properties of the various types of bedrock in the county are almost identical. The carbonates yield the largest water volumes of all of the bedrock types in the region.

3.3 Soil Component Identification

The Site lies within an area classified as Urban Land. This soil type consists of urbanized areas where the majority of the surface is covered with buildings, roads, driveways, parking lots, and other manmade structures. Further classification of the soils in these areas is impractical.

3.4 Hydrology

Regional groundwater flow direction in the area of the Site is convoluted and cannot be properly determined without the installation of groundwater monitoring wells.

4 SITE VISIT

A site visit was conducted by James Cressy of Impact Environmental on May 28, 2008, to observe and document site conditions. No Site representative was available for this portion of the inspection) *[Site photographs are included in Appendix A].*

4.1 Interior Inspection

The Site was unimproved land and did not maintain any permanent structures.

4.2 Exterior Inspection

The exterior of the Site was inspected on May 28, 2008, by staff Environmental Scientist, James Cressy. No Site representative was available for this portion of the inspection. The inspection of the Site revealed the following information relevant to the environmental quality of the Site:

1. There was no underground storage tanks (USTs) identified on the Site.

2. There was no above ground storage tanks (ASTs) observed on the Site.

3. No electrical transformers suspected of containing PCB bearing dielectric fluid were observed on the Site.

4. There was no visible evidence of the illegal storage or dumping of asbestos containing materials on the Site.

5. No drywells (Class V, well code 5D2, storm water drainage wells as defined under the USEPA Underground Injection Control Program) were observed on the Site.

6. All vegetation on the Site appeared in good condition relative to seasonal parameters.

7. Random refuse was observed on the Site.

8. There were no stains or other visible evidence of any discharge of hazardous substances on the surface areas of the Site.

4.3 Surrounding Properties

Land uses occurring on the surrounding properties may have an effect on the environmental quality of the Site. Accordingly, a visual inspection was performed on the properties immediately adjacent to the Site. The following information was noted.

Direction	Land Use	Evidence of any storage, handling, or discharge of hazardous substances
North	West 177th Street/ Residential	None identified from limited visual inspection from property border
East	Residential	None identified from limited visual inspection from property border
South	Residential	None identified from limited visual inspection from property border
West	West Tremont Avenue/Residential	None identified from limited visual inspection from property border

4.4 Limited Scope Identification of Possible Lead Containing Surface Paints

The element of lead has no function in the body. It can have poisonous effects on human organs and the nervous system, causing a variety of toxic reactions. Since lead accumulates in the body more rapidly than it can be removed, repeated exposures, even to small amounts, may produce lead poisoning. In addition, deteriorating lead components may allow lead to become airborne [CAS# 7439-92-1]. Threshold limit values have been established at 0.15 mg/m^3 (of air) by the American Conference of Governmental Industrial Hygienists.

1. No suspected lead containing surface paints were observed, and no samples were secured.

4.5 Limited Scope Identification of Possible Friable Asbestos Containing Materials

Asbestos has been linked to various types of lung diseases. Various regulatory agencies have tolerance limits of 1% by weight for asbestos in materials. Any material that contains asbestos levels above this limit may be considered hazardous and may have to be abated.

1. No suspected friable asbestos containing materials were observed, and no samples were secured.

4.6 Limited Scope Identification of Possible Mold

As part of this assessment, Impact Environmental performed a limited visual inspection for the significant presence of mold. A class of fungi, molds has been found to cause a variety of health problems in humans, including allergic, toxicological and infectious responses. Molds are decomposers of organic materials which thrive in humid environments and produce tiny spores to reproduce, just as plants produce seeds. When mold spores land on a damp spot indoors, they may begin growing and digesting whatever they are growing on in order to survive. When excessive moisture or water accumulates indoors, mold growth will often occur, particularly if the moisture problem remains undiscovered or unaddressed. As such, interior areas of buildings characterized by poor ventilation and high humidity are the most common locations of mold growth. Building materials including drywall, wallpaper, baseboards, wood framing, insulation and carpeting often play host to such growth.

Impact Environmental observed interior areas of the Site structures for the significant presence of mold. Impact Environmental did not observe any obvious visual or olfactory indications of the presence of mold, nor did Impact Environmental observe obvious indications of significant water damage. As such, no bulk sampling of suspect surfaces was conducted as part of this assessment. This activity was not designed to discover all areas that may be affected by mold growth on the Site. Rather, it is intended to give the client an indication if significant (based on observed areas) mold growth is present at the Site. Additional areas of mold not observed as part of this limited assessment, possibly in pipe chases, HVAC systems and behind enclosed walls and ceilings, may be present on the Site.

4.7 Radon Investigation

Radon is a colorless, odorless, inert gas which has become an air contaminant in certain geographic areas. Radon is a natural isotope which is most commonly present in association with crystalline bedrock and occasionally other geologic deposits. Naturally occurring isotope decay can emit radiation, which when converted to radioactive metal oxide deposits in the lungs, causes health concerns from inhalation. Radon levels generally increase in areas where bedrock is close to the land surface, and generally only creates a health related problem where underground basements are constructed. A basement can allow radon gas to accumulate in a manner that could cause exposure. Geographically, radon may be of concern in certain parts of Queens and points further west. Absent these conditions, radon gas presents less of a concern. The only way to determine concretely if radon gas is present is to perform air monitoring. Said monitoring is beyond the scope of this report.

The EPA issued a publication entitled Map of Radon Zones dated September 1993. Said document was prepared by the USEPA Office of Radiation and Indoor Air in conjunction with the USGS. According to said publication, 1123 sites were tested for indoor radon concentrations in the five boroughs of New York City

between the years 1985 and 1993. The following information was revealed (based on an action level for radon of 4 pCi/L).

Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
1.4 pCi/L	95%	5%	0%

5 REVIEW OF PROVIDED INFORMATION AND INTERVIEWS

Mr. Thomas Brown was requested to provide certain information that is relevant to the environmental quality Site; including site history information, title reports, environmental liens, specialized knowledge; and previous environmental reports. This information was evaluated by Impact Environmental for this Phase I ESA. The following table summarizes the information that was provided by Mr. Brown.

Item	Provided	Not Provided
Phase I Questionnaire	X	
Title Records	X	
Environmental Liens or Activity and Use Limitation		X
Specialized Knowledge		X
Valuation Reduction for Environmental Issues		X
Identification of Key Site Manager	X	
Reason for Performing Phase I ESA	X	
Corporate Records		X

5.1 Owner, Property Manager, and Occupant Information

The Site is currently owned by the City of New York. Mr. Brown was identified as the key on-site contact.

5.2 Title Records

Review of the chain-of-title information is included in the scope of work for this project. The property ownership was researched by James Cressy of Impact Environmental through the New York City Department of Finance Office of City Register. *[Please see Appenidix F for detailed information]*

At the time of this assessment, Mr. Brown did not provide any title records for the Site. Historic title records were reviewed from the City of New York, but did not reveal any information relevant to the environmental quality of the Site.

5.3 Environmental Liens

The Phase I Questionnaire was completed by Mr. Brown and is included in *Appendix B*. Mr. Brown indicated no knowledge of environmental liens against the Site, or limitations related to the environmental conditions.

5.4 Specialized Knowledge

Mr. Brown completed the Phase I Questionaire and reported no specialized knowledge of HRECs, PCBs, or other *recognized environmental conditions* in the connection with the Site.

5.5 Valuation Reduction for Environmental Issues

Mr. Brown completed the Phase I Questionaire and indicated that the property value or purchase price has not been devalued compared to comparable properties, as a result of environmental conditions at the Site or surrounding properties.

5.6 Interviews

The interview(s) revealed the following information relevant to the environmental quality of the Site *[See Appendix B].*

Contact Interviewed	Date	Relationship to Site	Relevant Information
Mr. Thomas Brown	05/23/2008	Prospective Purchaser	See Below

1. According to Mr. Brown, the Site has been unimproved land since at least 1995.

2. According to Mr. Brown, a residential building is intended to be constructed on the Site.

5.7 Interview With Local Government Officials

An interview with a representative of the New York City Fire Department (NYCFD) regarding the environmental quality of the Site has revealed the following information.

1. According to the NYCFD representative, no information can be released regarding the Site until a Freedom of Information request has been received and approved. No response has been received to date regarding the Freedom of Information request submitted for the Site.

6 RECORDS REVIEW

The Freedom of Information Act/Law provides rights of access to all government documents not exempt from disclosure. Accessible records include paper documents and items such as video/audio tape recordings, microfilm, and computer disks. Impact Environmental examined relevant government documentation so as to define implicit parameters affecting the environmental quality of the Site. The appropriate Freedom of Information requests were submitted and are included in the appendix of this document.

Information from standard federal, state, county and local environmental record sources was provided by Toxics Targeting Environmental Report, Inc. Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. This integrated database also contains postal service data in order to enhance address matching. Records from one government source are compared to records from another to clarify any address ambiguities. The demographic and geographic information available provides assistance in identifying and managing risk. In some cases, location information supplied by the regulatory agencies is insufficient to allow the database companies to geocode facilities locations. These facilities are listed under the unmappables section within the Toxics Targeting Environmental Report.

Regulatory information from the following database sources regarding possible recognized environmental conditions, within the ASTM minimum search distance from the Site was reviewed. Specific facilities are discussed below if determined likely that a potential recognized environmental condition has resulted at the Site Property from the listed facilities. [*Please refer to Appendix C for a complete listing]*

6.1 Federal Environmental Record Review

A Freedom of Information request was submitted to the United States Environmental Protection Agency (EPA). A response has not been received to date. *Environmental Protection Agency (EPA) [See Appendix D]*

6.1.1 National Priorities List (NPL)

The National Priorities List (NPL) is the Environmental Protection Agency (EPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program.

1. The Site is not listed as a NPL facility.
2. No NPL sites are located within one-mile of the Site.

6.1.2 CERCLIS List

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of sites that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

1. The Site is not listed as a CERCLIS facility.
2. No CERCLIS sites are listed within ½-mile of the Site.

6.1.3 Federal CERCLIS NFRAP Sites List

The CERCLIS No Further Remedial Action Planned (NFRAP) List is a compilation of sites that the EPA has investigated, and has determined that the facility does not pose a threat to human health or the environment, under the CERCLA framework.

1. The Site is not listed as a CERCLIS-NFRAP facility.
2. No CERCLIS-NFRAP sites are listed within ½-mile of the Site.

6.1.4 Federal Resource Conservation & Recovery Act (RCRA) CORRACTS Facilities List

The EPA Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The CORRACTS database is the EPA's list of treatment storage or disposal facilities subject to corrective action under RCRA.

1. The Site is not listed as a RCRA CORRACTS TSD facility.
2. No RCRA CORRACTS TSD facilities are listed within one-mile of the Site.

6.1.5 Federal Resource Conservation & Recovery Act (RCRA) TSD Facilities List

The EPA Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA TSD database is a compilation by the EPA of reporting facilities that treat, store or dispose of hazardous waste.

1. The Site is not listed as a RCRA TSD facility.
2. No RCRA TSD sites are listed within ½-mile of the Site.

6.1.6 Federal Resource Conservation & Recovery Act (RCRA) Generator List

The RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Generators database is a compilation by the EPA of reporting facilities that generate hazardous waste.

1. The Site is not listed as a RCRA facility.
2. No RCRA Generator facilities are listed on the adjacent properties.

6.1.7 Federal Emergency Response Notification System (ERNS)

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported release of oil or hazardous substances.

1. No ERNS sites are listed on the Site or on the adjacent properties.

6.2 State Environmental Record Review

A Freedom of Information request was submitted to the New York State Department of Environmental Conservation (DEC). A response has not been received to date. *New York State Department of Environmental Conservation (NYSDEC) [See Appendix E]*

6.2.1 Inactive Hazardous Waste Disposal Sites

New York's Inactive Hazardous Waste Disposal Site Registry is also known as the State Superfund. According to State authorities, these active or abandoned sites can pose serious environmental or health hazards that require investigation or clean up. Sites include toxic dumps, garbage landfills, factories, dry cleaners or illegal disposal sites that have caused extensive air, water, groundwater or soil contamination.

Classification System:

- Class 1 - Causing or presenting an imminent danger of causing irreversible or irreparable damage to public health or the environment - immediate action required.
- Class 2 - Significant threat to the public health or environment - action required.
- Class 2a – This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.
- Class 3 - Does not present a significant threat to the environment - action may be deferred.
- Class 4 - Site properly closed - requires continual management.
- Class 5 - Site properly closed, no evidence of present or potential adverse impact - no further action required.
- Class D1, D2, D3 – Delisted Site (D1-Hazardous waste not found; D2-Remediated; D3-Consolidated site or site incorrectly listed)

1. The Site is not listed as an inactive hazardous waste disposal site.
2. There are no sites within a one-mile radius of the Site that appear in the NYSDEC publication, Inactive Hazardous Waste Disposal Sites in New York State.

6.2.2 Hazardous Substance Waste Disposal Sites

These properties often pose serious environmental or health hazards, but they may have been low priorities for investigation or clean up because on-site contamination may not constitute "hazardous waste." Sites include utility coal tar facilities, wood tar sites and properties polluted with petroleum that have caused extensive air, water, groundwater or soil contamination.

1. The Site is not listed as a hazardous waste disposal site.
2. There are no sites within a ½-mile radius of the Site that appear in the NYSDEC publication, Hazardous Substance Waste Disposal Site Study.

6.2.3 Brownfield Sites

These properties are a listing of site that are abandoned, idled, or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination. The Voluntary Cleanup Program involves hazardous waste sites that have had their listing in the (above referenced publication) deferred while being investigated and remediated voluntarily under NYSDEC supervision. Coal tar sites may have previously been listed in the publications, but they were removed as a result of a Departmental legal review that revealed that most coal gasification wastes do not meet the New York State definition of hazardous waste. These sites are currently being investigated and remediated in conjunction with the regional utility companies, and it is possible that some of these sites may qualify as hazardous waste sites as information becomes available. In addition, the NYSDEC lists sites that fall under the 1996 Clean Water / Clean Air Bond Act Environmental Restoration Program (Brownfields Program). The Brownfields Program involves sites that are currently vacant or only partially utilized, have an industrial or commercial history, and are suspected or confirmed to have soil and / or groundwater contamination

1. The Site is not listed as Environmental Restoration Program (Brownfields Program) site.
2. There are no sites within a ½-mile radius of the Site that appear in the NYSDEC Brownfields Cleanup Program.
3. There are no sites within a ½-mile radius of the Site that appear in the NYSDEC Voluntary Cleanup Program listing.

6.2.4 Historic Utility Facilities

These are power generating structures, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

1. The Site is not listed as an Historic Utility Site.
2. There are no sites within a one-mile radius of the Site that appear in the NYSDEC Historic Utility Site listing.

6.2.5 Solid Waste Management Facilities

The NYSDEC maintains a listing of all registered and permitted landfills, transfer stations, and solid waste disposal sites within New York State. A review of this listing has revealed the following information relevant to the environmental quality of the Site:

1. The Site is not listed as a Solid Waste Management Facility.
2. There are no sites within a ½-mile radius of the Site that appear on the listing.

6.2.6 State Pollutant Discharge Elimination System Permits (SPDES)

In 1973, New York passed the State Pollutant Discharge Elimination System (SPDES) Act, which provides for state permits for point source discharges to surface and ground waters. The USEPA delegated authority to NYSDEC to regulate the issuance of all National Pollution Discharge Elimination Systems (NYPES) permits as stipulated under sections 307, 318, 402, and 405 of the Clean Water Act, under the state SPDES program. A review of SPDES permit listings in New York City revealed the following information relevant to the environmental quality of the Site:

1. No SPDES permits are listed for the Site.
2. No SPDES permits are listed for the contiguous with the Site.

6.2.7 Major Oil Storage Facilities (MOSF)

Major Oil Storage Facilities have at least 400,000 gallons of storage capacity (as per Article 12 of the Navigation Law, 6 NYCRR Part 610, and 17 NYCRR Part 30) and often experience leaks, spills or other uncontrolled releases that can cause extensive air, water, groundwater or soil contamination that threatens the environment or the public health. Please note that New York has withheld public release of this database since January 2002.

1. The Site did not appear on the MOSF listing.
2. There are no sites within a ½-mile radius of the Site that appear on the MOSF listing.

6.2.8 Chemical Bulk Storage (CBS) Sites

Sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size. It should be noted that New York has withheld public release of this database since January 2002.

1. The Site did not appear on the CBS listing.
2. There are no sites within ¼-mile of the Site that appear on the CBS listing.

6.2.9 Petroleum Bulk Storage (PBS) Sites

These are sites with more than a 1,100 gallon capacity for storing petroleum products. It should be noted that New York has withheld public release of this database since January 2002.

1. The Site did not appear on the PBS listing.
2. Thirty-one sites are listed on the PBS database within ¼-mile of the Site. Of these, thirty-one are listed as being within ¼-mile of the Site and none are listed as being within ⅛-mile of the Site. No sites are noted to be contiguous with the Site.

6.2.10 Spill Logs

The New York State Department of Environmental Conservation routinely responds to petroleum product spill/discharge incidents so as to perform and/or supervise in their remediation. The agency currently maintains a log (Spill Log) of all reported incidents that have occurred within specific regions of the State of New York. Typical events that would be listed on the log include motor vehicle accidents involving the release of petroleum products; discharges of petroleum products from underground storage tanks; discharges of PCB contaminated oils from electrical transformers; and events involving the abandonment of petroleum products. A review of the NYSDEC Spill Log revealed the following information relevant to the environmental quality of the Site.

1. There are no spill incidents listed in the NYSDEC Spill Log as having occurred on the Site.
2. There are a significant number of spill incidents listed in the NYSDEC Spill Log as having occurred within ½-mile of the Site. Accordingly, the *approximate minimum search distance* (as defined by

ASTM) was reduced to ¼-mile in order to make the data *practically reviewable*. Fifty-one spill incidents are listed in the NYSDEC Spill Log as having occurred within ¼-mile of the Site *[see Appendix C].* Review of these incidents has revealed that thirty-three are listed as having occurred between ¼ to ⅛-mile, and eighteen are listed as having occurred within ⅛-mile.

None of the spill incidents reviewed are considered to have the potential to have significantly impacted the environmental quality of the Site. This determination was made based on such factors as the local groundwater flow direction, the spill incident statuses, the quantities of materials spilled, the distances between the spill sources and the Site, and the resources affected.

6.3 City Environmental Record Review

New York City Department of Environmental Protection; New York City Fire Department; New York City Building Department [See Appendix F]

6.3.1 New York City Department of Environmental Protection

The Bureau of Water Pollution Control and the Bureau of Sewers of the New York City Department of Environmental Protection has put forth the document, Rules and Regulations Relating to the Use of the Public Sewers, Including Sewer Surcharges, pursuant to Section 1403 of the New York City Charter and by Sections 683a4-1.0 through 683a4-19.0, 687-1.0 and 689-1.0 of the Administrative Code of the City of New York and in compliance with Section 1105 of the New York City Charter. This document covers such topics as the disposal of wastewater, stormwater, and groundwater, the materials and substances excluded from public sewers, the toxic substances accepted conditionally, the terms and conditions for the issuance of a permit, the removal, transportation, and disposition of scavenger wastes, and the imposition and computation of sewer surcharge. The New York City DEP was contacted regarding the Site. The following information was made available:

1. A Freedom of Information request was submitted for the Site, but no response has been received to date.

6.3.2 New York City Fire Department

The New York City Fire Department oftentimes maintains records of underground storage tanks and the storage of hazardous materials. The New York City Fire Department was contacted about the Site and provided the following information:

1. A Freedom of Information request was submitted for the Site, but no response has been received to date.

6.3.3 New York City Building Department

The New York City Building Department maintains records regarding permits issued for the construction of a building, renovations of the building, boiler specifications, and violations. The department also maintains a record of those lots with an "E" designation on the Zoning Maps of the Zoning Resolution of the City of New York for potential hazardous material contamination ("haz-mat E lots"), as determined by the NYCDEP. Lots with said designation may not be issued a building permit allowing: 1) any development; 2) an enlargement, extension or change of use involving residential or community facility use; or 3) and enlargement that disturbs the soil on said lot unless and until the Department is provided with a report from DEP stating that the environmental requirements for the lot have been met. The New York City Building Department was contacted about the Site and provided the following information:

1. The Site was not listed with an "E" designation.

2. The Site was listed with an R-7 designation.

3. The Site was listed as a V0-Vacant Land in the NYC Building Department database.

4. No Environmental Control Board (ECB) Violations were on file for the Site.

5. The following Certificates of Occupancy were on filed for the Site.

Lot #	CO #	Issued Date	Issues of Concerns
125	627-28	1928	none
125	4013-48	1948	The Site is listed as maintaining a fuel oil burner, stores and laundry facility.
125	27982-59	1959	Fuel oil fired boiler, stores and laundry.
125	37234-64	1964	Boiler room, food market, dry-cleaning.
128	13406-53	1953	Parking lot for more than 5 vehicles.

6. The following New Building permits were on file for the Site.

Lot #	NB #	Issued Date	Issues of Concerns
125	12-1927	1927	none

7. No other records of any environmental concerns were on file for the Site.

7 REVIEW OF HISTORIC DATA

7.1 Sanborn Maps

The Sanborn Maps were created to inform fire fighters of potential dangers based on land use and building construction. Said maps were also used for fire insurance purposes. These maps are updated on a rotating basis. The maps were inspected to determine past uses of the Site and surrounding properties. The Sanborn Maps for the Site revealed the following information *[See Appendix G].*

Year	*Site Historic Uses*
1896	The Site appears to be unimproved land. No structures are depicted on the Site.
1900	The eastern portion of the Site appears to maintain a dwelling.
1915	The Site appears to be unimproved land. No structures are depicted on the Site.
1951	The southern portion of the Site is depicted as maintaining a dry-cleaning facility. The northern portion of the site appears to be unimproved land.
1977	The southern portion of the Site is depicted as maintaining a store. The northern portion of the site appears to be an automobile parking lot.
1989	The southern portion of the Site appears to be unimproved land. The northern portion of the site appears to be an automobile parking lot.

Direction	1896 - Surrounding Property Uses
North	East 177th Street is visible. The property appears to be unimproved land.
East	The property appears to maintain a residential dwelling.
South	The property appears to be unimproved land.
West	West Tremont Avenue is visible. The property appears to maintain a residential dwelling.

Direction	1900- Surrounding Property Uses
North	East 177th Street is visible. The property appears to be unimproved land.
East	The property appears to maintain a residential dwelling, partially on the Site.
South	The property appears to be unimproved land.
West	West Tremont Avenue is visible. The property appears to maintain a residential dwelling.

Direction	1915 - Surrounding Property Uses
North	East 177th Street is visible. The property appears to maintain a residential dwelling.
East	The property appears to be unimproved land.
South	The property appears to be unimproved land.
West	West Tremont Avenue is visible. The properties appear to maintain several residential dwellings.

Direction	1951, 1977, 1989 - Surrounding Property Uses
North	East 177th Street is visible. The property appears to maintain a residential dwelling.
East	The property appears to maintain a residential apartment building.
South	The property appears to maintain a dwelling and a private automobile garage.
West	West Tremont Avenue is visible. The properties appear to maintain several residential dwellings and stores.

8 EVALUATION OF DATA AND RECOMENDATIONS

An evaluation of the data obtained under the scope of this Phase I ESA was performed to identify recognized environmental conditions associated with the Site. The evaluation included a review of the reasonably ascertainable data collected under the scope of this assessment. The evaluation considered the significance of data gaps that were inherent to site-specific sources of information consulted for this Phase I ESA. The absence of certain information can affect the ability of the environmental professional to identify recognized environmental conditions; and is considered a data gap. A data gap is the lack of or inability to obtain information required by the All Appropriate Inquiries ruling despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site visit, user-provided information, available sources of historic information and interviews.

8.1 Data Gaps

1. Responses to the Freedom of Information requests submitted to the United States Environmental Protection Agency, the New York State Department of Environmental Conservation, the New York City Department of Environmental Protection, and the New York City Bureau of Fire Prevention has not been received to date. In addition, the chain-of-title records were not provided at the time of this assessment. This absence of this information represents a data gap.

8.2 Recommended Phase I ESA Activities

1. Responses to the Freedom of Information requests submitted to the United States Environmental Protection Agency, the New York State Department of Environmental Conservation, the New York City Department of Environmental Protection, and the New York City Bureau of Fire Prevention has not been received to date. ASTM establishes that a diligent Phase I Environmental Site Assessment must consider all information obtained from a public agency within twenty days of receipt of a Freedom of Information request. Accordingly, information obtained from the above-mentioned agencies before the twenty day period has passed will be addressed in an addendum to this assessment.

8.3 Recommended Phase II ESA Activities

1. A review of historic records revealed that the Site has been utilized as a dry-cleaning facility since at least 1948 to approximately 1979. No documentation was available regarding the handling and disposal practices associated with the chemicals utilized by the former dry-cleaning facility maintained on the Site. This lack of documentation represents a recognized environmental condition. Accordingly, it is recommended that a subsurface investigation be conducted to determine if the Site has been impacted by historic onsite activities.

2. A review of New York City Building Department records revealed that the building formerly maintained on the Site was serviced by a fuel oil fired boiler. No documentation was available regarding the proper decommissioning of the oil storage tank historically maintained on the Site. In addition, the onsite inspection revealed the presence of urban fill on the Site. Accordingly, it is recommended that a ground penetrating radar survey be conducted to determine if a tank is present on the Site. Further, it is recommended that a subsurface investigation should be conducted to determine if the Site has been adversely impacted by the presence of these sources.

3. Several off-site confirmed or potential contamination sources were identified to exist within the ASTM search radius. The need for the above-recommended on-site investigative activities is further supported by the presence of these sources.

8.4 Recommended Remedial Activities

1. NO remedial activities are recommended at this time.

8.5 Recommended Compliance Activities

1. Excavation activities associated with the redevelopment of the Site may encounter the presence of structures related with former buildings (i.e. undocumented fuel oil USTs) and/or urban fill material that may require specialized disposal under applicable regulations. Urban fill found throughout the New York metropolitan area is considered a regulated waste in the State of New York and is therefore required to be managed in accordance with the State Solid Waste Regulations. This would require that all impacted soil be excavated, handled, transported and disposed of in accordance with a Waste Material Handling Plan.

2. Review of the New York City Building Department records revealed that the Site was formerly serviced by fuel oil. Should the remote sensing survey recommended in section 8.31 confirm the presence of a tank, it would need to be removed in accordance with the applicable PBS regulations.

3. All debris observed on the Site should be removed from the premises and disposed of in accordance with the New York State solid waste regulations (6 NYCRR Part 360).

9 CONCLUSIONS

This report has been prepared for the sole benefit of Promesa Systems Inc.. The report may not be relied upon by any other person or entity without the express written consent of Impact Environmental and Promesa Systems Inc.. Where applicable, the assessment included a thorough visual inspection of the property, the examination of reasonably ascertainable records concerning the current and prior uses of the Site, and interviews with the current owners and/or operators of the Site. The findings presented in this site assessment are based on data obtained under the scope of this investigation. The conclusions represent the professional judgment of qualified Impact Environmental staff members using available information.

Impact Environmental has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of 60 W. 177th Street/ 92 W Tremont Ave., Bronx, NY, the Site. Any exceptions to, or deletions from, this practice are described in Section 2.2 of this report. This assessment has revealed evidence of recognized environmental conditions associated with the Site. Accordingly, additional activities are recommended to define and/or enhance the environmental quality of the Site (see Recommended Phase II ESA Activities in Section 8.3). In addition, the recommended Phase I ESA and compliance activities should be performed as outlined in Section 8.2 and 8.5.

I certify that this assessment was performed under my direction and supervision, that I have reviewed and approved the report, and that the methods and procedures employed in the development of the report conform to industry standards. I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. I have developed and performed the all appropriate inquires in conformance with the standards and practices set forth in 40 CFR part 312.

IMPACT ENVIRONMENTAL

_____
Kevin Kleaka
Environmental Professional

_____
James Cressy
Assessment Supervisor

10 REFERENCES

1. The Basic Guide to Environmental Inspections. Environmental Assessment Association, undated.

2. EPA's Map of Radon Zones, New York. Air and Radiation Division, United States Environmental Protection Agency, September, 1993.

3. Feasibility Study For Use of the Brooklyn Queens Aquifer as an Additional Potable Water Supply. Malcolm Pirnie, Inc., White Plains, New York, March 1999.

4. Long Island Region Water Resources Management Study. Division of Water, New York State Department of Environmental Conservation, March, 1988.

5. Sanborn Fire Insurance Maps From the Sanborn Map Company Archives. Us Library of Congress.

6. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process: ASTM Designation E 1527 - 05. The American Society for Testing and Materials, West Conshohocken, Pennsylvania, November 2006.

7. E 2091 Guide for Use of Activity and Use Limitations, Including Institutional and Engineering Controls *Federal Statutes:* Comprehensive Environmental Response, Compensation, and Liability Act of 1980 ("CERCLA" or "Superfund"), as amended by Superfund Amendments and Reauthorization

8. Act of 1986 ("SARA") and Small Business Liability Relief and Brownfields Revitalization Act of 2002 ("Brownfields Amendments"), 42 U.S.C. §§9601 *et seq*.

9. Emergency Planning and Community Right-To-Know Act of 1986 ("EPCRA"), 42 U.S.C. §§11001 *et seq*.

10. Freedom of Information Act, 5 U.S.C. §552, as amended by Public Law No. 104-231, 110 Stat. 3048

11. Resource Conservation and Recovery Act as amended ("RCRA"), 42 U.S.C §6901 *et seq*.

12. "All Appropriate Inquiry" Final Rule, 40 C.F.R. Part 312

13. Chapter 1 EPA, Subchapter J-Superfund, Emergency Planning, and Community Right-To-Know Programs, 40 C.F.R Parts 300-399

14. National Oil and Hazardous Substances Pollution Contingency Plan, 40 C.F.R. Part 300

15. OSHA Hazard Communication Regulation, 29 C.F.R. §1910.1200

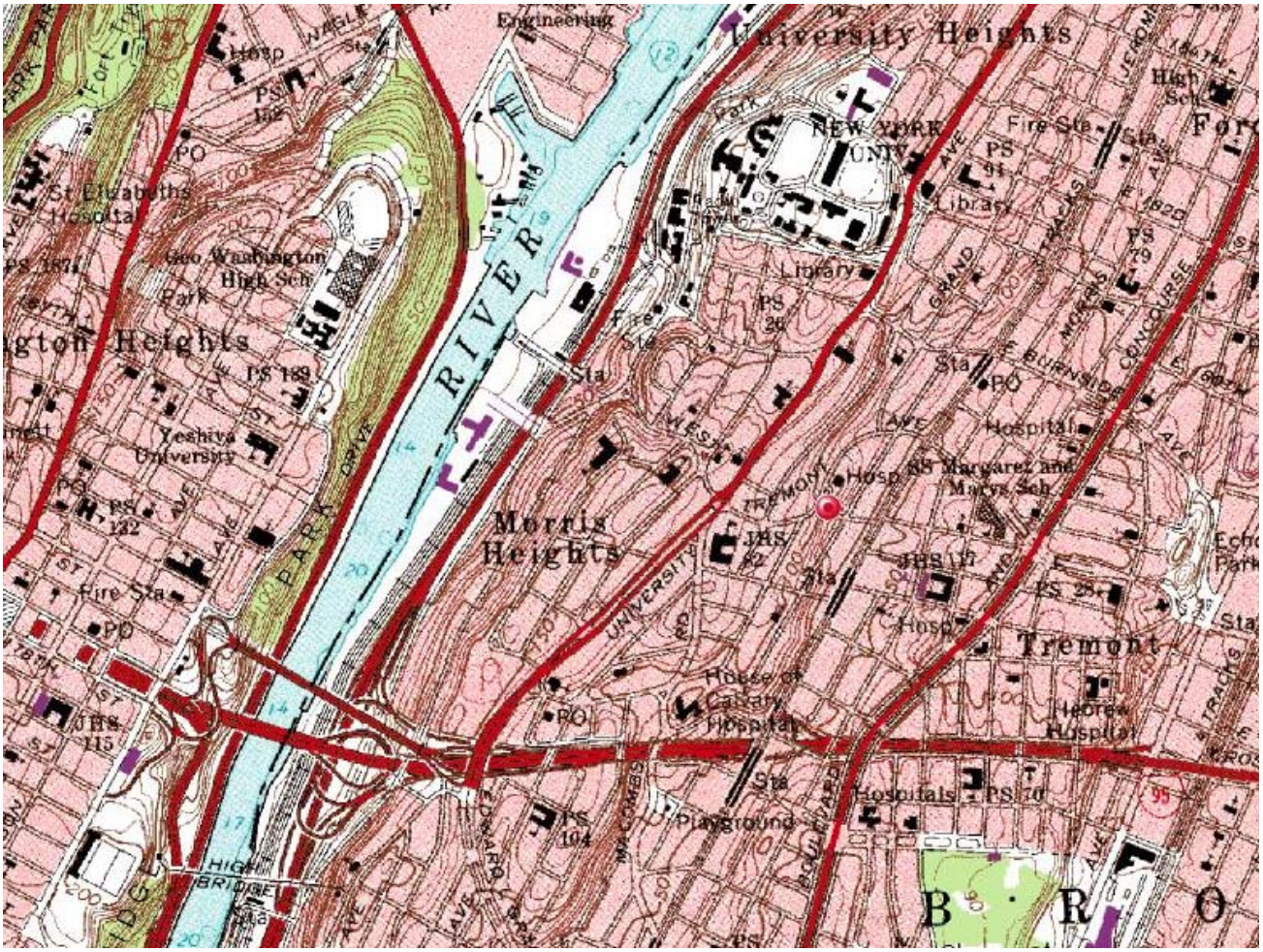
11 DISCLAIMER

The purpose of this investigation was to identify potential sources of contamination at the Site, and to satisfy the all appropriate inquiry standard set forth by CERCLA liability and establishing innocent landowner, contiguous property owner, or bona fide prospective purchaser (also referred to as "land owner liability protections" or "LLPs") and the Brownfield Revitalization and Brownfield Act. The findings and conclusions set forth in this report are based upon information that was available to Impact Environmental during its inspection of the property. If new information becomes available concerning the property after this date, or if the property is used in the future in a manner other than that which is identified in this report, the findings and conclusions contained herein may have to be modified. Additionally, while this investigation was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry, Impact Environmental can not guarantee that the property is completely free of hazardous substances or other materials or conditions that could subject the Client to potential liability. The presence or absence of any such condition can only be confirmed through the collection and analysis of soil and groundwater samples, which was beyond the scope of this investigation.

Impact Environmental
Environmental Site Assessment

Plate 1: Site Topographic Map

Site Topographic Map
Bronx, New York

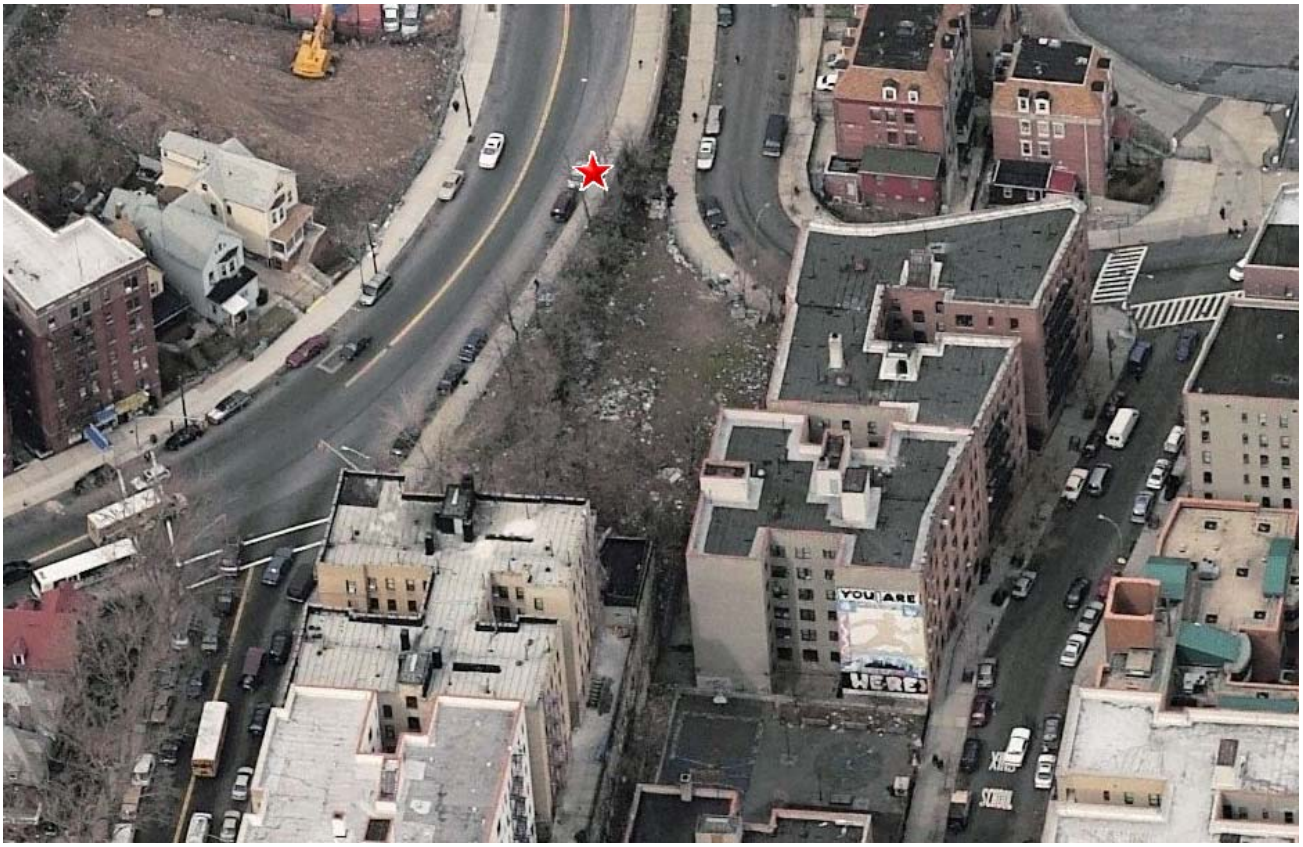


CONTOUR INTERVAL 10 FEET
DASHED LINES REPRESENT 5 – FOOT CONTOURS
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET – DATUM IS MEAN LOW WATER

Impact Environmental
Environmental Site Assessment

Plate 2: Site Location Map

Site Location Map
60 WEST 177th Street & 92 West Tremont Avenue.
Bronx, New York



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Environmental Site Assessment

Appendices

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Appendix A
Site Photos

PHOTO LOG

Photo 1: *View of the northern portion of the Site.*

Photo 2: *View of the southern portion of the Site.*

Photo 3: *View of the western portion of the Site.*

Photo 4: *View of the eastern portion of the Site.*

Photo 5: *View of the central portion of the Site.*

Photo 6: *View of the property contiguous to the east of the Site.*

Photo 7: *View of the property contiguous to the north of the Site.*

Photographic Log

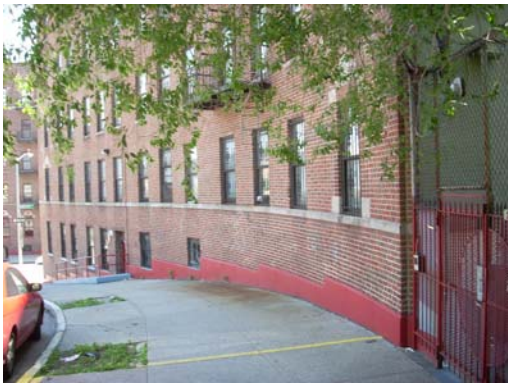
Photograph #1

Photograph #2

Photograph #3

Photograph #4

Photograph #5



Note: These photographs have not been altered or retouched in any way unless specifically stated otherwise

Photographic Log

Photograph #7

Note: These photographs have not been altered or retouched in any way unless specifically stated otherwise

Impact Environmental
Environmental Site Assessment

Appendix B
Interview Documentation

Long Island | 170 Keyland Court | Bohemia, NY 11716 | Tel: 631.269.8800 Fax: 631.269.1599

Manhattan | 1560 Broadway, 10th Floor, Suite 1024 | New York, NY 10036 | Tel: 212.201.7905 Fax: 212.201.7906

www.impactenvironmental.com

PHASE I QUESTIONNAIRE

In order to qualify for one of the *Landowner Liability Protections (LLPs)*[35] offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*")[36], the *user* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.

In addition, certain information should be collected, if available, and provided to the *environmental professional* selected to conduct the Phase I. This information is intended to assist the *environmental professional* but is not necessarily required to qualify for one of the *LLPs*. The information includes:

1. Why is the Phase I required?
   The Phase I is needed as part of Promesa's 2008 application for funding under the U.S. Dept of Housing and Urban Development's 202 Housing Program for the Elderly.
2. What type of Site and type of Site transaction? (i.e. sale, purchase, exchange, etc.)
   The project will eventually call for the purchase of the Development site from the City of New York
3. What is the complete and correct address for the Site? (a map or other documentation showing Site location and boundaries is helpful)
   60 W 177th Street (B 2867 L 128)
   92 W Tremont Ave (B 2867 L 125)
4. Are there any other scope of services desired for the Phase I beyond the requirements of Practice E 1527-05 (i.e. Asbestos survey, Lead survey)?
   No
5. What are future plans for the Site? (remain as is, demolition, construction, etc) If development changes are to be completed, please include a site plan/survey.
   New Construction of a multi-unit residential Bldg.
6. Identification of all parties who will rely on the Phase I report.
   Promesa HDFC with review by U.S. Dept of HUD and NYC Dept of Housing Preservation and Development.

7. Identification of the site contact and how the contact can be reached.

Thomas Brown
Phone # 718-299-1100 ext # 3134

8. Are there any environmental cleanup liens against the Site that are filed or recorded under federal, tribal, state or local law?

NO

9. Are there any activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

NO

10. As the user of this ESA do you have any specialized knowledge or experience related to the Site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Site or an adjoining Site so that you would have specialized knowledge of the chemicals and processes used by this type of business?

NO

11. Does the purchase price being paid for this Site reasonably reflect the fair market value of the Site? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Site?

There is no knowledge of contamination that would cause a difference in sales price

12. Is there any commonly known or reasonably ascertainable information about the Site that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,
(a.) Do you know the past uses of the Site?

NO

(b.) Do you know of specific chemicals that are present or once were present at the Site?

NO

(c.) Do you know of spills or other chemical releases that have taken place at the Site?

NO

(d.) Do you know of any environmental cleanups that have taken place at the Site?

NO

13. As the user of this ESA, based on your knowledge and experience related to the Site are there any obvious indicators that point to the presence or likely presence of contamination at the Site?

NO

14. Any special terms and conditions which must be agreed upon by the environmental professional?

NO

15. Any other knowledge or experience with the Site that may be pertinent to the environmental professional?

Examples including but not limited to:
Site plans, site maps, site surveys, environmental site assessment/compliance reports, permits, registration and/or removal documents for tanks (AST/UST), disposal records, chemical storage records, letters from regulatory agencies, e-designations, etc.

NO

16. Additional information?

NO

Signature: Thom Bro Date: 6-2-08

Title: Program Manager for Housing

---

[35] *Landowner Liability Protections*, or *LLPs*, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Site Owner, or Innocent Landowner Limitations on CERCLA Liability* ("*Common Elements*" Guide) issued on March 6, 2003.
[36] P.L. 107-118.

nyc oasis Search By: Block and Lot Borough: Select Block: Lot:

Redraw Map - zoom to selected area / show new data | Help | Select all layers | Unselect all layers | Garden Search | Estuary Search

Select a tool (click on the icon) & click on the map:

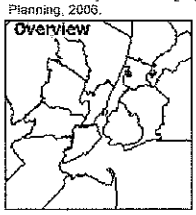
Identify | Zoom In | Zoom Out | Recenter | Tag map | Help | Support OASIS!

0.26 miles :Map Width | Zoom To NYC | Zoom To Region

INFORMATION ABOUT THE LOT YOU IDENTIFIED:

Borough: Bronx **Block:** 2867 **Lot:** 128 **Police Precinct:** 46
Address, ZIP Code: WEST TREMONT AVENUE, 10453
Lot Area: 7681 sq. feet **Lot Frontage:** 165.75 feet **Lot Depth:** 110.09 feet
Number of buildings: 0 **Year built:** 0
Number of floors: 0 **Building Gross Area:** 0 sq. feet
Residential Units: 0 **Total # of Units:** 0
Landuse: Vacant Land
Zoning: R7-1: Residential
Commercial Overlay: **Zoning Map #:** 03A
*(**PDF version** of most recent City Planning zoning map & proposed zoning changes for this area.)*
Floor Area Ratio: 0 **Max. Allowable Floor Area Ratio:** 3.44
*(FAR may depend on street widths or other characteristics. Contact **City Planning Dept.** for latest information.)*
Owner: HOUSING PRESERVATION
More building information: NYC Dept. of Buildings
More property information: NYC Dept. of Finance Assessment Roll
More zoning information: CITI Zoning Guide
Learn more about NYC's drinking water: NYC Watershed Resources

Source: The Bytes of the Big Apple (TM) PLUTO (TM) and Tax Block & Tax Lot files are copyrighted by the New York City Department of City Planning, 2006.



Print Layout | About the Data | Help with Map | Tutorials

Information above should be verified with data source.
- Developed with ESRI's ArcIMS technology and Microsoft SQL Server.
- Selected NYC Basemap layers provided by NYC DoITT (copyright NYC DEP, 2000).
- The Bytes of the Big Apple (TM) PLUTO (TM) and Tax Block & Tax Lot files are copyrighted by the New York City Department of City Planning (2006 Release 06C).

Layer label — Turn map layers on and off by clicking in the check boxes and then clicking on the Refresh Map button.

New Layers
- Green Markets
- Coastal Storm Impact Zones
  - Cat. 1 (winds 74-95 mph) Cat. 3 (winds 111-130 mph)
  - Cat. 2 (winds 96-110 mph) Cat. 4 (winds 131+ mph)
- Superfund & other remedial sites
  - Brownfield (= Active, = Complete)
  - Environmental Restoration (= Active, = Complete)
  - State Superfund Site (= Class 2, = Class 3, = Class 4, = Class 5 or C)
  - Voluntary Cleanup (= Active, = Complete)

Photos & Imagery (view 1 at a time)
- Aerial Photo (2004) New (more info)
- Aerial Photo (1996)
- Infrared Aerial Photo (2001)
- Classified Landcover (2001)
  - Tree/Forest, Impervious/Other, Grassland, Water

Boundaries & Labels
- Town/Neighborhood
- County / Borough
- 5 Community Districts
- 10 City Council Districts

Transportation
- Streets
- Bridges / Overpasses

zoom in/out Highways / Major Roads
- Subway Stations
- Subway Routes
- Ferry Stops
- Ferry Routes

Parks, Playgrounds, & Open Space
- NYC Parks (Dept. of Parks & Rec.)
- New Jersey State Parks & Public Land
- New York State Parks & Public Land
- Open Space (Dept. of City Planning)
- Community Gardens
- Playgrounds
- Green Spaces Along Streets
- Golf Courses
- Baseball/Soccer Fields
- Tennis/Basketball Courts & Tracks
- Cemeteries

Property & Land Use
- Block/Lot Boundaries
- Buildings
- Piers
- NYCHA Properties
- Schools
- Historic Houses
- 1 & 2 Family Residential
- Multi-family Residential
- Mixed Use
- Commercial
- Institutions
- Transportation & Parking
- Industrial
- Vacant Lots

Trees
- Greening for Breathing Trees
- Neighborhood Trees
- NJ Forested Areas

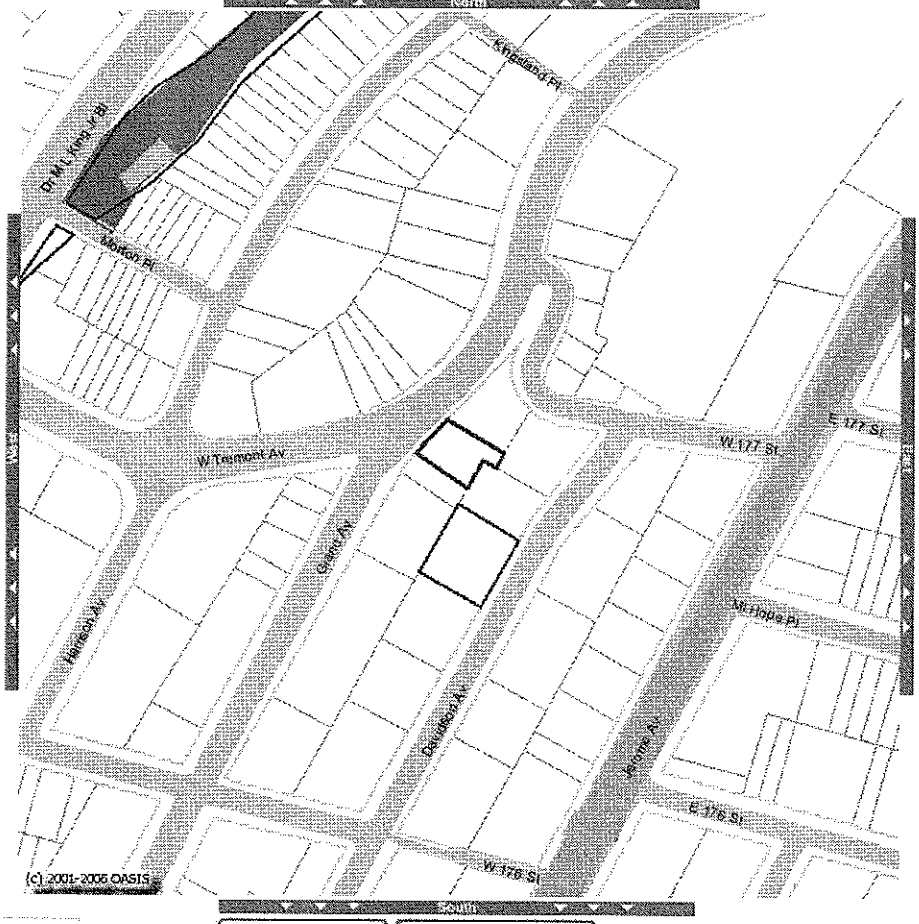
Environmental Characteristics
- HEP Acquisition Sites
- HEP Restoration Sites

nyc oasis Search By: Block and Lot Borough: Select Block: Lot:

Redraw Map - zoom to selected area / show new data | Help | Select all layers | Unselect all layers | Garden Search | Estuary Search

Select a tool (click on the icon) & click on the map:

Identify | Zoom In | Zoom Out | Recenter | Tag map | Help | Support OASIS!



0.25 miles :Map Width | Zoom To NYC | Zoom To Region

Turn map layers on and off by clicking in the check boxes and then clicking on the Refresh Map button.

New Layers

- Green Markets
- Coastal Storm Impact Zones
  - Cat. 1 (winds 74-95 mph) Cat. 3 (winds 111-130 mph)
  - Cat. 2 (winds 96-110 mph) Cat. 4 (winds 131+ mph)
- Superfund & other remedial sites
  - Brownfield (= Active, = Complete)
  - Environmental Restoration (= Active, = Complete)
  - State Superfund Site = Class 2, = Class 3, = Class 4, = Class 5 or C
  - Voluntary Cleanup (= Active, = Complete)

Photos & Imagery (view 1 at a time)

- Aerial Photo (2004) New (more info)
- Aerial Photo (1996)
- Infrared Aerial Photo (2001)
- Classified Landcover (2001)
  - Tree/Forest
  - Grassland
  - Impervious/Other
  - Water

Boundaries & Labels

- Town/Neighborhood
- County / Borough
- 6 Community Districts
- 16 City Council Districts

Transportation

- Streets
- Bridges / Overpasses
- zoom in/out Highways / Major Roads
- Subway Stations
- Subway Routes
- Ferry Stops
- Ferry Routes

Parks, Playgrounds, & Open Space

- NYC Parks (Dept. of Parks & Rec.)
- New Jersey State Parks & Public Land
- New York State Parks & Public Land
- Open Space (Dept. of City Planning)
- Community Gardens
- Playgrounds
- Green Spaces Along Streets
- Golf Courses
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- Tennis/Basketball Courts & Tracks
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Property & Land Use

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- Industrial
- Vacant Lots

Trees

- Greening for Breathing Trees
- Neighborhood Trees
- NJ Forested Areas

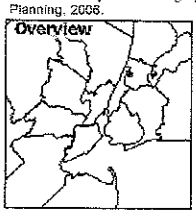
Environmental Characteristics

- HEP Acquisition Sites
- HEP Restoration Sites

INFORMATION ABOUT THE LOT YOU IDENTIFIED:

Borough: Bronx **Block:** 2867 **Lot:** 125 **Police Precinct:** 46
Address, ZIP Code: 92 WEST TREMONT AVENUE, 10453
Lot Area: 6467 sq. feet **Lot Frontage:** 77.58 feet **Lot Depth:** 93.17 feet
Number of buildings: 0 **Year built:** 0
Number of floors: 0 **Building Gross Area:** 0 sq. feet
Residential Units: 0 **Total # of Units:** 0
Landuse: Vacant Land
Zoning: R7-1: Residential
Commercial Overlay: **Zoning Map #:** 03C
*(**PDF version** of most recent City Planning zoning map & proposed zoning changes for this area.)*
Floor Area Ratio: 0 **Max. Allowable Floor Area Ratio:** 3.44
*(FAR may depend on street widths or other characteristics. Contact **City Planning Dept.** for latest information.)*
Owner: HOUSING PRESERVATION
More building information: **NYC Dept. of Buildings**
More property information: **NYC Dept. of Finance Assessment Roll**
More zoning information: **CITI Zoning Guide**
Learn more about NYC's drinking water: **NYC Watershed Resources**

Source: The Bytes of the Big Apple (TM) PLUTO (TM) and Tax Block & Tax Lot files are copyrighted by the New York City Department of City Planning, 2006.



Print Layout | About the Data | Help with Map | Tutorials

Information above should be verified with data source.

- Developed with ESRI's ArcIMS technology and Microsoft SQL Server.
- Selected NYC Basemap layers provided by NYC DoITT (copyright NYC DEP, 2000).
- The Bytes of the Big Apple (TM) PLUTO (TM) and Tax Block & Tax Lot files are copyrighted by the New York City Department of City Planning (2006 Release 06C).

Impact Environmental
Environmental Site Assessment

Appendix C
Environmental Regulatory Database Review / Search

Toxics Targeting Environmental Report

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60 W 177th Street
Bronx, NY 10453

May 27, 2008

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PLEASE REFER TO PAGES ONE AND FOUR FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS ENVIRONMENTAL REPORT.

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- *NY Dept of Health Radon Check*
- *Unmappable Sites*
- *Hazardous Waste Codes*
- *Information Source Guide*

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Introduction

Toxics Targeting has combined environmental database searches, extensive regulatory analysis and sophisticated mapping techniques to produce your *Environmental Report.* It checks for the presence of 25 categories of government-reported toxic sites and provides detailed, up-to-date information on each identified site. The findings of your report are presented in an easy-to-understand format that:

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.

2. ***Estimates*** the distance and direction between the target address and each identified toxic site.

3. ***Reports*** air and water permit non-compliance and other regulatory violations.

4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.

5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

The Three Sections Of Your Report

The first section highlights your report's findings by summarizing identified sites according to: **a)** distance intervals, **b)** direction, **c)** proximity to the target address and **d)** individual site categories. In addition, the locations of all identified toxic sites are illustrated on individual maps for each radius search distance used in your report. A close-up map illustrates the locations of all identified toxic sites, at the shortest radius search distance used in your report. Finally, a map of tax parcels and a table of selected information about those parcels are included.

The second section of your report contains *Toxic Site Profiles* that provide detailed information on each identified toxic site. The information in each *Toxic Site Profile* varies according to its source. Some toxic site categories have extensive information and some have limited information. All the information is updated on a regular basis.

The third section of the report contains appendices that identify: **1)** on-site spills reported to the national Emergency Response Notification System (ERNS), **2)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **3)** codes that characterize hazardous wastes reported at various facilities, **4)** methods used to map toxic sites identified in your report and **5)** information sources used in your report.

How to Use Your Report

- Check Table One to see the number of identified sites by distance intervals.

- Check Table Two to see identified sites sorted by direction.

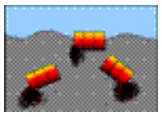
- Check Table Three to see identified sites sorted by site categories.

- Check Table Four to see identified sites ranked by proximity to the target address.

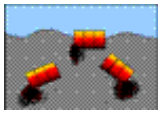
- Use Table Five to get info for the subject parcel and every parcel found on the Tax Parcel Map
- Refer to the various maps to see the locations of identified toxic sites. Refer to the *Toxic Site Profile* and *Appendix* sections for additional information.

Toxic Site Databases Analyzed In Your Report

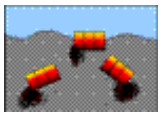
Search Radius

One-Mile 

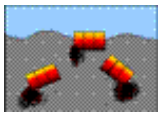
1) ***National Priority List for Federal Superfund Cleanup****:* a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Half-Mile 

2) ***Delisted National Priority List Sites****:* a listing of NPL sites that have been removed from the National Priority List.

One-Mile 

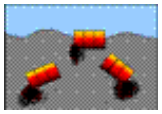
3) ***New York Inactive Hazardous Waste Disposal Site Registry****:* a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile 

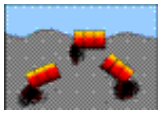
4) ***New York Inactive Hazardous Waste Disposal Site Registry Qualifying****:* a state listing of sites that qualify for possible inclusion to the NYDEC Inactive Haz. Waste Disposal Site Registry.

One-Mile

5) ***RCRA Corrective Action Activity (CORRACTS):*** waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile 

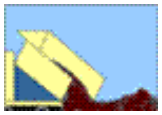
6) ***CERCLIS*** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of Non-NFRAP sites that can pose environmental or public health hazards requiring investigation or clean up.

Half-Mile 

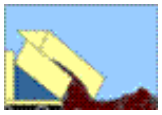
7) ***CERCLIS NFRAP:*** a federal listing of CERCLIS sites that have no further remedial action planned.

Half-Mile

8) ***New York State Brownfield Cleanup Sites****:* a listing of sites that are abandoned, idled or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Half-Mile 

9) ***New York Solid Waste Facilities Registry****:* active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

Half-Mile 

10) ***New York City 1934 Solid Waste Sites****:* a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Half-Mile

11) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Half-Mile

12) ***Toxic Spills: active and inactive or closed*** spills reported to state environmental authorities, including *remediated* and *unremediated* leaking underground storage tanks. This database includes the following categories:

- Tank Failures
- Tank Test Failures
- Unknown Spill Cause or Other Spill Causes
- Miscellaneous Spill Causes

Eighth-Mile

13) ***New York State Major Oil Storage Facilities****:* sites with more than a 400,000 gallon capacity for storing petroleum products.

Eighth-Mile

14) ***New York State Petroleum Bulk Storage Facilities****:* sites with more than an 1,100 gallon capacity for storing petroleum products.

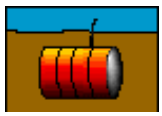
Eighth-Mile

15) ***New York City Fire Dept Tank Data****:* tank data from 1997.

Eighth-Mile

16) ***New York and Federal Hazardous Waste Generators and Transporters****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA). Also includes the following database:

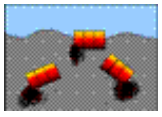
- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Eighth-Mile 

17) ***New York Chemical Bulk Storage Facilities****:* sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Eighth-Mile

18) ***Historic New York City Utility Sites (1890's to 1940's)****:* power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

Half-Mile 

19) ***New York Hazardous Substance Disposal Site Draft Study****:* a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites were not eligible for state clean up funding programs.

Eighth-Mile

20) ***Federal Toxic Release Inventory Facilities****:* discharges of selected toxic chemicals to air, land, water or treatment facilities.

Eighth-Mile

21) ***Federal Air Discharges****:* air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Eighth-Mile

22) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Eighth-Mile

23) ***Federal Civil and Administrative Enforcement Docket****:* judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

On-site only (250 ft)

24) ***New York City Environmental Quality Review (CEQR) – E Designation Sites****:* parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed.

Property only

25) ***ERNS: Federal Emergency Response Notification System Spills****:* a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. The only systematic changes that are made correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Please be aware of some other limitations of the information in your report:

- The map used by *Toxics Targeting* is the same one used by the U. S. Census. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated on the Census map. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;

- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 25 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;

- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in zip code areas within one mile of the target address as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.*

- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.

- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One: Number of Identified Toxic Sites By Distance Interval*
- *Table Two: Identified Toxic Sites By Direction*
- *Table Three: Identified Toxic Sites By Category*
- *Table Four: Identified Toxic Sites By Proximity*
- *Map One: One-Mile Radius Map*
- *Map Two: Half-Mile Radius Map*
- *Map Three: Eighth-Mile Radius Map*
- *Map Four: Eighth-Mile Radius Close up Map*
- *Map Five: Tax Parcel Map*
- *Table Five: Tax Parcel Map Information Table*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site Category Totals
ASTM-Required 1 Mile Search						
National Priority List (NPL) Sites	0	0	0	0	0	0
NYS Inactive Hazardous Waste Disposal Site Registry	0	0	0	0	0	0
NYS Inactive Haz Waste Disposal Site Registry Qualifying	0	0	0	0	1	1
RCRA Corrective Action (CORRACTS) Sites	0	0	0	0	0	0
ASTM-Required 1/2 Mile Search						
Delisted National Priority List (NPL) Sites	0	0	0	0	Not searched	0
CERCLIS Superfund Non-NFRAP Sites	0	0	0	0	Not searched	0
CERCLIS Superfund NFRAP Sites	0	0	0	0	Not searched	0
Brownfields Sites						
Voluntary Cleanup Program	0	0	0	0	Not searched	0
Environmental Restoration Program	0	0	0	0	Not searched	0
Brownfield Cleanup Program	0	0	0	0	Not searched	0
NYSDEC Solid Waste Facilities / Landfills	0	0	0	0	Not searched	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	0	0	0	0	Not searched	0
NYS Toxic Spills						
Active Tank Failures	0	1	0	2	Not searched	3
Active Tank Test Failures	0	0	2	0	Not searched	2
Active Spills - Unknown / Other Causes	0	0	2	7	Not searched	9
Active Spills - Miscellaneous Causes	0	1	0	1(6)	Not searched	2(6)
Closed Tank Failures	0	0	1	7	Not searched	8
Closed Tank Test Failures	0	0	5	7	Not searched	12
Closed Spills - Unknown / Other Causes	0	3	22	64	Not searched	89
Closed Spills - Miscellaneous Causes	0	13	1(22)	13(114)	Not searched	27(136)
ASTM-Required Property & Adjacent Property (1/8 Mile Search)						
NYS Major Oil Storage Facilities	0	0	Not searched	Not searched	Not searched	0
Local & State Petroleum Bulk Storage Sites	0	31	Not searched	Not searched	Not searched	31
RCRA Hazardous Waste Generators & Transporters	0	5	Not searched	Not searched	Not searched	5
NYS Chemical Bulk Storage Sites	0	0	Not searched	Not searched	Not searched	0
Historic Utility Facilities	0	0	Not searched	Not searched	Not searched	0
ASTM-Required On-Site Only Search						
NYC Environmental Quality Review Requirements ("E") Sites*	0	0	Not searched	Not searched	Not searched	0
Emergency Response Notification System (ERNS)	0	Not searched	Not searched	Not searched	Not searched	0
Institutional Controls / Engineering Controls (IC/EC)	See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites.					
ASTM-Required Databases Distance Interval Totals	**0**	**54**	**33(22)**	**101(120)**	**1**	**189(142)**

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

* NYC Environmental Quality Review Requirements ("E") Sites were searched at 250 feet.

NOTE: Table continues on next page.

Non-ASTM Databases 1/2 Mile Search						
1934 NYC Municipal Waste Landfills	0	0	0	1	Not searched	1
Hazardous Substance Waste Disposal Sites	0	0	0	0	Not searched	0
Non-ASTM Databases 1/8 Mile Search						
Toxic Release Inventory Sites (TRI)	0	0	Not searched	Not searched	Not searched	0
Permit Compliance System (PCS) Toxic Wastewater Discharges	0	0	Not searched	Not searched	Not searched	0
Air Discharges	0	0	Not searched	Not searched	Not searched	0
Civil & Administrative Enforcement Docket Facilities	0	0	Not searched	Not searched	Not searched	0
Non-ASTM Databases Distance Interval Totals	**0**	**0**	**0**	**1**	**Not Searched**	**1**
Distance Interval Totals	***0***	***54***	***33(22)***	***102(120)***	***1***	***190(142)***

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Direction

60 W 177th Street
Bronx, NY 10453

* Compass directions can vary substantially for sites located very close to the subject property address.

Sites less than 100 feet from subject property sorted by distance

No sites found less than 100 feet from subject property

Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
176	EVA H THOMPSON	1854 HARRISON AVE	476 feet to the N	Petroleum Bulk Storage Site
139	1868 HARRISON AVENUE	1868 HARRISON AVENUE	573 feet to the N	Closed Status Spill (Misc. Spill Cause)
134		62-66 W. TREMONT AVE	439 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
173	DEPT. H.P.D.	62-66 W. TREMONT AVE.	439 feet to the NNE	Petroleum Bulk Storage Site
174	62-66 W TREMONT AV.	62 W TREMONT AVE	439 feet to the NNE	Petroleum Bulk Storage Site
183	INTERMEDIATE SCHOOL 306 - BRONX	40 WEST TREMONT AVENUE	628 feet to the NE	Petroleum Bulk Storage Site
40	MANHOLE #3888926	177TH ST & JEROME AVE	511 feet to the E	Closed Status Spill (Unk/Other Cause)
136	E177TH STREET & JEROME AV	E177TH STREET & JEROME AV	511 feet to the E	Closed Status Spill (Misc. Spill Cause)
181	UNIT AUTO REPAIR (FAUSTO FIGUEROA)	8 EAST 177TH STREET	587 feet to the E	Petroleum Bulk Storage Site
156	1821 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	120 feet to the ESE*	Petroleum Bulk Storage Site
157	MOUNT HOPE HOUSING CO.	1821 DAVIDSON AVE	120 feet to the ESE*	Petroleum Bulk Storage Site
133	APT. BUILDING	1822 DAVIDSON AVE	272 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
160	1822 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC	272 feet to the ESE	Petroleum Bulk Storage Site
161	MT HOPE HOUSING CO	1822 DAVIDSON AVE	272 feet to the ESE	Petroleum Bulk Storage Site
3	COMMERCIAL	1829 JEROME AVE	371 feet to the ESE	Active Tank Failure
186	BELL ATLANTIC-NY	MT HOPE/JEROME AVE	449 feet to the ESE	Hazardous Waste Generator/Transporter
137	CONED VEHICLE #607447	1876 JEROME AVE	549 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
184	MOUNT HOPE RESIDENCE LLC	14-16 MOUNT HOPE PLACE	654 feet to the SE	Petroleum Bulk Storage Site
185	A TURCO & V MILANO	14 MOUNT HOPE PL	654 feet to the SE	Petroleum Bulk Storage Site
155	1815 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	113 feet to the SSE*	Petroleum Bulk Storage Site
164	1800 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	327 feet to the SSE	Petroleum Bulk Storage Site
17	E. 176TH ST & JEROME AVE	E. 176TH ST & JEROME AVE	572 feet to the SSE	Active Haz Spill (Misc. Spill Cause)
41	SERVICE BOX 16900	JEROME AVE/WEST 176 ST	572 feet to the SSE	Closed Status Spill (Unk/Other Cause)
138	MANHOLE #16889	EAST 176TH/JEROME AVE	572 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
188	NYCDEP	PROTECTION JEROME AVE & 176TH	572 feet to the SSE	Hazardous Waste Generator/Transporter
189	CONSOLIDATED EDISON	MH16899 176 ST & JEROME AVE	572 feet to the SSE	Hazardous Waste Generator/Transporter
190	NYCTA	JEROME AVE LINE 176TH ST STA	572 feet to the SSE	Hazardous Waste Generator/Transporter
162	1789 DAVIDSON AVE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC	285 feet to the S	Petroleum Bulk Storage Site
163	NYC-RM 208	1789 DAVIDSON AVE	285 feet to the S	Petroleum Bulk Storage Site
178	1770 DAVIDSON AVENUE	1770 DAVIDSON AVENUE	530 feet to the S	Petroleum Bulk Storage Site

165	SYCAMORE ROW LLC	1740 GRAND AVENUE	333 feet to the SSW	Petroleum Bulk Storage Site
171	A DAVIDSON	1775 DAVIDSON AVE	390 feet to the SSW	Petroleum Bulk Storage Site
177	1765-1767 DAVIDSON AVENUE	1765-1767 DAVIDSON AVENUE	507 feet to the SSW	Petroleum Bulk Storage Site
39	1765 DAVISON AVE	1765 DAVISON AVE	508 feet to the SSW	Closed Status Spill (Unk/Other Cause)
179	1718 GRAND AVE	1718 GRAND AVE.	538 feet to the SSW	Petroleum Bulk Storage Site
180	RICH REALTY CO	1718 GRAND AVE	538 feet to the SSW	Petroleum Bulk Storage Site
129	RESIDENCE	1750 GRAND AVE	165 feet to the SW*	Closed Status Spill (Misc. Spill Cause)
158	1750 REALTY CORPORATION	1750 GRAND AVENUE	165 feet to the SW*	Petroleum Bulk Storage Site
175	1721 GRAND AVE	1721 GRAND AVE	469 feet to the SW	Petroleum Bulk Storage Site
135	HAROLD DIAMOND APTS	1721 GRAND AV	471 feet to the SW	Closed Status Spill (Misc. Spill Cause)
182	1700 HARRISON AVENUE	1700 HARRISON AVENUE	624 feet to the SW	Petroleum Bulk Storage Site
167	DIV OF REAL PROPERTIES	1739 GRAND AVE	348 feet to the WSW	Petroleum Bulk Storage Site
172	1730 HARRISON AVENUE	1730 HARRISON AVENUE	423 feet to the WSW	Petroleum Bulk Storage Site
169	1804 HARRISON AVENUE	1804 HARRISON AVENUE	375 feet to the W	Petroleum Bulk Storage Site
170	BO MAY REALTY CORP	1804 HARRISON AVE	375 feet to the W	Petroleum Bulk Storage Site
187	NYCDEP - SHAFT 6B	TREMONT & HARRISON AVES	462 feet to the W	Hazardous Waste Generator/Transporter
140	APT BLDG	1731 HARRISON AVE	601 feet to the W	Closed Status Spill (Misc. Spill Cause)
128	MANHOLE 14272	105-107 WEST TREMONT AV	152 feet to the WNW*	Closed Status Spill (Misc. Spill Cause)
130	125 W. TREMONT AVE	125 W. TREMONT AVE	257 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
131	125 WEST TREMONT AVE.	125 WEST TREMONT AVE	257 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
132	125 WEST TREMONT ST	125 W TREMONT ST	257 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
159	WEST TREMONT AVENUE REALTY ASSOC. L.P.	125 W TREMONT AVENUE	257 feet to the WNW	Petroleum Bulk Storage Site
168	1812 HARRISON AVENUE	1812 HARRISON AVENUE	358 feet to the WNW	Petroleum Bulk Storage Site
166	1820 HARRISON REALTY L.L.C.	1820 HARRISON AV	344 feet to the NW	Petroleum Bulk Storage Site

Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
71	SERVICE BOX #11854	1966 UNIVERSITY AVE	1495 feet to the N	Closed Status Spill (Unk/Other Cause)
73	SERVICE BOX 11854	1970 UNIVERSITY AVE	1531 feet to the N	Closed Status Spill (Unk/Other Cause)
75	MANHOLE #23859	W BURNSIDE AV/UNIVERSITY	1535 feet to the N	Closed Status Spill (Unk/Other Cause)
76	MANHOLE #1966	UNIVERSTY AV/W BURNSIDE	1535 feet to the N	Closed Status Spill (Unk/Other Cause)
77	MANHOLE #11854	IFO 1966 UNIVERSITY AVE	1538 feet to the N	Closed Status Spill (Unk/Other Cause)
84	MH 21816	UNIVERSITY AVE/E179TH ST	1763 feet to the N	Closed Status Spill (Unk/Other Cause)
12	CHRISTIE RESIDENCE	145 W.179TH ST	2054 feet to the N	Active Haz Spill (Unknown/Other Cause)
96		145 WEST 179TH ST	2054 feet to the N	Closed Status Spill (Unk/Other Cause)
104	VAULT #12005	180 STREET & ANDREW AVENUE	2163 feet to the N	Closed Status Spill (Unk/Other Cause)
105	VAULT # VO1146	WEST 180TH/ANDREWS AVE ST	2163 feet to the N	Closed Status Spill (Unk/Other Cause)
102	MANHOLE 23731	UNIVERSITY AVE/W 180TH ST	2135 feet to the NNE	Closed Status Spill (Unk/Other Cause)
25	2084 GRAND AVE/BX	2084 GRAND AVENUE	2252 feet to the NNE	Closed Status Tank Failure
107	2084 GRAND AVENUE	2084 GRAND AVENUE	2252 feet to the NNE	Closed Status Spill (Unk/Other Cause)
108	2084 GRAND AVENUE	2084 GRAND AVENUE	2252 feet to the NNE	Closed Status Spill (Unk/Other Cause)

9	SERVICE BOX 18893	JEROME AVE/E TREMONT AVE	1101 feet to the NE	Active Haz Spill (Unknown/Other Cause)
49	MANHOLE # 18889	E TREMONT AV & DROME AVE	1101 feet to the NE	Closed Status Spill (Unk/Other Cause)
50	NANHOLE #18889	E TREMONT/JEROME AVE	1101 feet to the NE	Closed Status Spill (Unk/Other Cause)
51	MANHOLE 18890	JEROME AVE AT W TREMONT	1101 feet to the NE	Closed Status Spill (Unk/Other Cause)
29	1985 DAVIDSON AVENUE	1985 DAVIDSON AVENUE	1105 feet to the NE	Closed Status Tank Test Failure
11	FORMER GAS STATION	1990 JEROME AVE	1446 feet to the NE	Active Haz Spill (Unknown/Other Cause)
82	VAULT 3161	37 BURNSIDE AV	1714 feet to the NE	Closed Status Spill (Unk/Other Cause)
149		2050 DAVIDSON AVE	1885 feet to the NE	Closed Status Spill (Misc. Spill Cause)
94		BURNSIDE AV/JEROME AVE	1971 feet to the NE	Closed Status Spill (Unk/Other Cause)
56	22-20 E TREMONT AVE	22-20 E. TREMONT AVE.	1151 feet to the ENE	Closed Status Spill (Unk/Other Cause)
141	22 EAST TREMONT ST/BX	22 EAST TREMONT ST	1151 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
31	R. G. ORTIZ FUNERAL HOME	60 EAST TREMONT AVE	1209 feet to the ENE	Closed Status Tank Test Failure
58	MANHOLE 9688	WALTON AVE & E TREMONT	1215 feet to the ENE	Closed Status Spill (Unk/Other Cause)
69	MANHOLE 23888	101 EAST TREMONT AVE	1458 feet to the ENE	Closed Status Spill (Unk/Other Cause)
70	GAS STATION	20 EAST 179TH STREET	1468 feet to the ENE	Closed Status Spill (Unk/Other Cause)
85	101 E 179 ST & MORRIS AVE	101 E 179TH ST & MORRIS	1800 feet to the ENE	Closed Status Spill (Unk/Other Cause)
151		2043 CRESTONE AVE	2242 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
113	MANHOLE #23914	CRESTON AV & BURNSIDE AV	2355 feet to the ENE	Closed Status Spill (Unk/Other Cause)
114	MANHOLE 23915	CRESENT AV/BURNSIDE AV	2355 feet to the ENE	Closed Status Spill (Unk/Other Cause)
115	MANHOLE - # 23915	CRESTON AV & E BERNSIDE A	2355 feet to the ENE	Closed Status Spill (Unk/Other Cause)
116	MAN HOLE # 2531	EASTBURNSIDE AV/CRESTON A	2355 feet to the ENE	Closed Status Spill (Unk/Other Cause)
117	MAN HOLE # 23914	CRESTON AVE/BURNSIDE AV	2355 feet to the ENE	Closed Status Spill (Unk/Other Cause)
118	MANHOLE 2531	CRESTON AV/E BURNSIDE AV	2355 feet to the ENE	Closed Status Spill (Unk/Other Cause)
121		2055 CRESTON AVE	2420 feet to the ENE	Closed Status Spill (Unk/Other Cause)
124		2065 CRESTON AVE	2499 feet to the ENE	Closed Status Spill (Unk/Other Cause)
8	APARTMENT BUILDING	60 EAST 177TH ST	1043 feet to the E	Active Haz Spill (Unknown/Other Cause)
20	RE-MO HOLDING CORP	110 EAST 177TH ST	1410 feet to the E	Closed Status Tank Failure
142	COLISEUM DEPOT	110 E. 177TH STR	1410 feet to the E	Closed Status Spill (Misc. Spill Cause)
22	ST MARGARET MARY RECTORY	1914 MORRIS AVE	1467 feet to the E	Closed Status Tank Failure
86	MANHOLE 23890	EAST TREEMONT/GRAND CONCO	1811 feet to the E	Closed Status Spill (Unk/Other Cause)
93	APARTMENT	1955 GRAND CONCOURSE	1946 feet to the E	Closed Status Spill (Unk/Other Cause)
24	1916 GRAND CONCOURSE/BX	1916 GRAND CONCOURSE	2022 feet to the E	Closed Status Tank Failure
98	217 EASTMONT AV/BX	217 EASTMONT AVENUE	2087 feet to the E	Closed Status Spill (Unk/Other Cause)
100	SB 15081	IFO 1967 GRAND CONCOURSE	2103 feet to the E	Closed Status Spill (Unk/Other Cause)
34	ST THOMAS LUTHERAN CHURCH	222 E 178TH ST	2315 feet to the E	Closed Status Tank Test Failure
36	JONAS BRONCK HOUSING	230 EAST 179TH STREET	2482 feet to the E	Closed Status Tank Test Failure
37	CLOSED-LACKOF RECENT INFO	230 EAST 179TH ST	2482 feet to the E	Closed Status Tank Test Failure
38	CLOSED-LACKOF RECENT INFO	230 EAST 179TH ST	2482 feet to the E	Closed Status Tank Test Failure
42	27 MOUNT HOPE PL	27 MOUNT HOPE PL	716 feet to the ESE	Closed Status Spill (Unk/Other Cause)
45	THREE GAL ANTIFREEZE IN SB 9677	WALTON AVENUE & MT. HOPE PLACE	917 feet to the ESE	Closed Status Spill (Unk/Other Cause)
59	JUNIOR HIGH SCHOOL 117	1865 MORRIS AVE	1216 feet to the ESE	Closed Status Spill (Unk/Other Cause)
60	JUNIOR HIGH SCHOOL 117	1865 MORRIS AVENUE	1216 feet to the ESE	Closed Status Spill (Unk/Other Cause)
103	SERVICE BOX # 9123	EAST 176TH/TOPPING AVE	2147 feet to the ESE	Closed Status Spill (Unk/Other Cause)
46		1791 WALTON AVE	959 feet to the SE	Closed Status Spill (Unk/Other Cause)
57	SERVICE BOX #9515	110 E. 176TH ST	1179 feet to the SE	Closed Status Spill (Unk/Other Cause)
21		1777 GRAND CONCORSE	1412 feet to the SE	Closed Status Tank Failure
143	APARTMNET BUILDING	1777 GRAND CONCOURSE/175ST	1412 feet to the SE	Closed Status Spill (Misc. Spill Cause)
91		1790 WEEKS AVE &175TH	1920 feet to the SE	Closed Status Spill (Unk/Other Cause)
97	MANHOLE PM499	MONROE AVE/EAST 175TH ST	2062 feet to the SE	Closed Status Spill (Unk/Other Cause)

5	1755 WEEKS AVE	1755 WEEKS AVE	2089 feet to the SE	Active Tank Failure
101	RESIDENCE	1764 WEEKS AVE	2107 feet to the SE	Closed Status Spill (Unk/Other Cause)
152	CROSS BRONX EXPWY/WEEKS	AT WEEKS AVE	2314 feet to the SE	Closed Status Spill (Misc. Spill Cause)
126	1775 CLAY AVE	1775 CLAY AV	2556 feet to the SE	Closed Status Spill (Unk/Other Cause)
19	MOUNT HOPE HOUSING COMPANY	55 EAST 175TH STREET	1036 feet to the SSE	Closed Status Tank Failure
32	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	1406 feet to the SSE	Closed Status Tank Test Failure
65	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	1406 feet to the SSE	Closed Status Spill (Unk/Other Cause)
74	BETW CLIFFORD & E 175 ST	1749 GRAND CONCOURSE	1533 feet to the SSE	Closed Status Spill (Unk/Other Cause)
80	APARTMENT BUILDING	1695 GRAND CONCOURSE	1648 feet to the SSE	Closed Status Spill (Unk/Other Cause)
95	MANHOLE #12683	E174TH ST/SELWYN AV	1991 feet to the SSE	Closed Status Spill (Unk/Other Cause)
99	STREET	MORRIS AVE/ E. 174TH ST	2097 feet to the SSE	Closed Status Spill (Unk/Other Cause)
2	UNKNOWN	173RD ST. & SELWYN AVE.	2354 feet to the SSE	Solid Waste Facility
112	#6 IN MNHLE-173 ST & SEL	173 ST & SELWYN AVE.	2354 feet to the SSE	Closed Status Spill (Unk/Other Cause)
35	CLOSED-LACKOF RECENT INFO	221 E. 173RD ST	2481 feet to the SSE	Closed Status Tank Test Failure
43	SERVICE BOX 16891	1745 JEROME AVE	822 feet to the S	Closed Status Spill (Unk/Other Cause)
47	SERVICE BOX 16890	1709 JEROME AVE	983 feet to the S	Closed Status Spill (Unk/Other Cause)
48	BP AMACO	1740 JEROME AVE	986 feet to the S	Closed Status Spill (Unk/Other Cause)
55	MANHOLE #16889	1705 JERONE AV	1147 feet to the S	Closed Status Spill (Unk/Other Cause)
61	SERVICE BOX 16884	JEROME AV & CLIFFORD PL	1290 feet to the S	Closed Status Spill (Unk/Other Cause)
62	SERVICE BOX 16884	WEST SIDE OF JERONE AVE	1290 feet to the S	Closed Status Spill (Unk/Other Cause)
63	SERVICE BOX 16884	JEROME AVE AT CLIFFORD RD	1290 feet to the S	Closed Status Spill (Unk/Other Cause)
119	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	2400 feet to the S	Closed Status Spill (Unk/Other Cause)
120	BRONX LEBANON HOSPITAL	1650 GRAND CONCORSE	2400 feet to the S	Closed Status Spill (Unk/Other Cause)
153	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	2400 feet to the S	Closed Status Spill (Misc. Spill Cause)
1	1296 SHERIDAN AVE	231 E 169TH ST	5135 feet to the S	NYSDEC Inactive Haz Waste Registry Qual.
10	MANHOLE 403	DAVIDSON AV/174TH ST	1423 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
78	SUNOCO	1657 JEROME AVE	1639 feet to the SSW	Closed Status Spill (Unk/Other Cause)
79	SUNOCO STATION 0007583196	1657 JEROME AVE.	1639 feet to the SSW	Closed Status Spill (Unk/Other Cause)
88	CROSSBRONX EXPRESSWAY	@JEROME AVE	1845 feet to the SSW	Closed Status Spill (Unk/Other Cause)
89	JEROME AVENUE	CROSS BRONX EXPRESSWAY	1845 feet to the SSW	Closed Status Spill (Unk/Other Cause)
144	TRAFFIC ACCIDENT	WB X BRONX XPRSWY/JEROME	1845 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
145	CROSS BRONX EXPRESSWAY EB	AT JEROME AVE	1845 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
146	CROSS BRONX X-PRESSWAY/JE	CROSS BRONX X-WAY/JEROME	1845 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
147	TRAFFIC ACCIDENT	CROSS BRONX EX / JEROME A	1845 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
106	JEROME AV @ EDEN AV	JEROME AV @ EDEN AV	2181 feet to the SSW	Closed Status Spill (Unk/Other Cause)
16	NYCSCA - NEW SCHOOL SITE	1526-1532 INWOOD AVE	2623 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
4	APT BUILDING	54 WEST 174TH ST	1376 feet to the SW	Active Tank Failure
67	VACANT LOT	1640 MACOMBS ROAD	1454 feet to the SW	Closed Status Spill (Unk/Other Cause)
68	1640 MACOMBS RD	1640 MACOMBS ROAD	1454 feet to the SW	Closed Status Spill (Unk/Other Cause)
33	PS 104 ANNEX BLDG	108 WEST 174	2023 feet to the SW	Closed Status Tank Test Failure
6	MOBIL SERVICE STATION	1764 UNIVERSITY AV	1142 feet to the WSW	Active Tank Test Failure
30	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	1142 feet to the WSW	Closed Status Tank Test Failure
52	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	1142 feet to the WSW	Closed Status Spill (Unk/Other Cause)
53	EXXON MOBIL # 17-KPY	1764 UNIVERSITY AVE	1142 feet to the WSW	Closed Status Spill (Unk/Other Cause)
54	1764 UNIVERSITY AVE	1764 UNIVERSITY AVE	1142 feet to the WSW	Closed Status Spill (Unk/Other Cause)
64	EMPTY LOT	NELSON AVE 1700 BLOCK	1392 feet to the WSW	Closed Status Spill (Unk/Other Cause)
83	ROADWAY	UNIVERSITY AVE & BRANT PL	1759 feet to the WSW	Closed Status Spill (Unk/Other Cause)
90	UNIVERSITY AVE. CONSOL.	1665 ANDREWS AVENUE	1910 feet to the WSW	Closed Status Spill (Unk/Other Cause)

111	MANHOLE #20256	W. 175TH ST & MONTGOMRY	2308 feet to the WSW	Closed Status Spill (Unk/Other Cause)
125		174 UNIVERSITY AVE	2512 feet to the WSW	Closed Status Spill (Unk/Other Cause)
81	MANHOLE #TM-422	ANDREWS AVE/WEST 176TH ST	1653 feet to the W	Closed Status Spill (Unk/Other Cause)
87	1710 MONTGOMERY AVE	1710 MONTGOMERY AVE	1813 feet to the W	Closed Status Spill (Unk/Other Cause)
123	ONE PINT OIL IN VAULT # 4116	1750 SEDGWICK AVENUE	2493 feet to the W	Closed Status Spill (Unk/Other Cause)
27	SHIELD SCHOOL	ANDREWS AV	955 feet to the WNW	Closed Status Tank Test Failure
28	1800 ANDREWS AV/BX/SHIELD	1800 ANDREWS AVE	955 feet to the WNW	Closed Status Tank Test Failure
66	200 WEST TREMONT AVE	200 WEST TREMONT AVE	1433 feet to the WNW	Closed Status Spill (Unk/Other Cause)
148	WEST TREMONT	228 WEST TREMONT AVE	1866 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
150	SEDGEWICK AVE P.U.R.S.	SEDGWICK AVE/WEST TREMONT	1890 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
13	SEDGWICK AVE PURS	1823 SEDGWICK AVE	2087 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
14	SEDGWICK AVE PURS	1823 SEDGWICK AVE	2087 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
18	SEDGWICK AVE PURS	SEDGWICK AVE	2087 feet to the WNW	Active Haz Spill (Misc. Spill Cause)
15	BASEMENT	1761 UNDERCLIFF AVE	2227 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
109	MANHOLE 29558	CEDAR AVE/W TREMONT AVE	2295 feet to the WNW	Closed Status Spill (Unk/Other Cause)
110	IN MANHOLE	CEDAR AVE / TREMONT AVE	2295 feet to the WNW	Closed Status Spill (Unk/Other Cause)
44	SERVICE BOX 11844	1839 UNIVERSITY AVE	852 feet to the NW	Closed Status Spill (Unk/Other Cause)
23	1840 PHELAM PL/BX	1840 PHELAM PLACE	1545 feet to the NW	Closed Status Tank Failure
92		1883 BILLINGSLEY TERR	1935 feet to the NW	Closed Status Spill (Unk/Other Cause)
7	RENTAL MANAGEMENT ASSOCIA	1890 ANDREWS AVE	1262 feet to the NNW	Active Tank Test Failure
72	MANHOLE 23857	BURNSIDE AV/LORING PL	1530 feet to the NNW	Closed Status Spill (Unk/Other Cause)
122	W. 179TH ST & CEDAR AVE	W. 179TH ST & CEDAR AVE	2491 feet to the NNW	Closed Status Spill (Unk/Other Cause)
26	MAJOR DEEGAN EXPRESSWAY	MAJOR DEEGAN EXPRESSWAY	2612 feet to the NNW	Closed Status Tank Failure
154	WEST 179 ST/DEEGAN EXPRES	WEST 179 ST/DEEGAN EXPRES	2612 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
127	1972,74 CEDAR AVENUE. / B	1972,74 CEDAR AVENUE.	2618 feet to the NNW	Closed Status Spill (Unk/Other Cause)

Identified Toxic Sites by Category

60 W 177th Street
Bronx, NY 10453

* Compass directions can vary substantially for sites located very close to the subject property address.

Inactive Haz. Waste Disposal Site Registry Qualifying -- Total Sites - 1

Database searched at 1 MILE - ASTM required search distance: 1 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1		1296 SHERIDAN AVE	231 E 169TH ST	5135 feet to the S

Solid Waste Facilities -- Total Sites - 1

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
2		UNKNOWN	173RD ST. & SELWYN AVE.	2354 feet to the SSE

Active Tank Failures -- Total Sites - 3

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
3	0705632	COMMERCIAL	1829 JEROME AVE	371 feet to the ESE
4	0612803	APT BUILDING	54 WEST 174TH ST	1376 feet to the SW
5	0206509	1755 WEEKS AVE	1755 WEEKS AVE	2089 feet to the SE

Active Tank Test Failures -- Total Sites - 2

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
6	0300047	MOBIL SERVICE STATION	1764 UNIVERSITY AV	1142 feet to the WSW
7	0707458	RENTAL MANAGEMENT ASSOCIA	1890 ANDREWS AVE	1262 feet to the NNW

Active Haz Spills (Unknown Causes & Other Causes) -- Total Sites - 9

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
8	0700945	APARTMENT BUILDING	60 EAST 177TH ST	1043 feet to the E
9	0001618	SERVICE BOX 18893	JEROME AVE/E TREMONT AVE	1101 feet to the NE
10	0209047	MANHOLE 403	DAVIDSON AV/174TH ST	1423 feet to the SSW
11	0501131	FORMER GAS STATION	1990 JEROME AVE	1446 feet to the NE
12	9805774	CHRISTIE RESIDENCE	145 W.179TH ST	2054 feet to the N
13	0202997	SEDGWICK AVE PURS	1823 SEDGWICK AVE	2087 feet to the WNW
14	0202993	SEDGWICK AVE PURS	1823 SEDGWICK AVE	2087 feet to the WNW
15	0711306	BASEMENT	1761 UNDERCLIFF AVE	2227 feet to the WNW
16	0508302	NYCSCA - NEW SCHOOL SITE	1526-1532 INWOOD AVE	2623 feet to the SSW

Active Haz Spills (Miscellaneous Spill Causes) -- Total Sites - 2

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
17	9507800	E. 176TH ST & JEROME AVE	E. 176TH ST & JEROME AVE	572 feet to the SSE
18	0004627	SEDGWICK AVE PURS	SEDGWICK AVE	2087 feet to the WNW

Closed Status Tank Failures -- Total Sites - 8

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
19	0612967	MOUNT HOPE HOUSING COMPANY	55 EAST 175TH STREET	1036 feet to the SSE
20	0002349	RE-MO HOLDING CORP	110 EAST 177TH ST	1410 feet to the E
21	9807803		1777 GRAND CONCORSE	1412 feet to the SE
22	9912520	ST MARGARET MARY RECTORY	1914 MORRIS AVE	1467 feet to the E
23	9009970	1840 PHELAM PL/BX	1840 PHELAM PLACE	1545 feet to the NW
24	8910174	1916 GRAND CONCOURSE/BX	1916 GRAND CONCOURSE	2022 feet to the E
25	9006668	2084 GRAND AVE/BX	2084 GRAND AVENUE	2252 feet to the NNE
26	9703316	MAJOR DEEGAN EXPRESSWAY	MAJOR DEEGAN EXPRESSWAY	2612 feet to the NNW

Closed Status Tank Test Failures -- Total Sites - 12 **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
27	8802473	SHIELD SCHOOL	ANDREWS AV	955 feet to the WNW
28	8800172	1800 ANDREWS AV/BX/SHIELD	1800 ANDREWS AVE	955 feet to the WNW
29	0111936	1985 DAVIDSON AVENUE	1985 DAVIDSON AVENUE	1105 feet to the NE
30	9009553	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	1142 feet to the WSW
31	0509326	R. G. ORTIZ FUNERAL HOME	60 EAST TREMONT AVE	1209 feet to the ENE
32	9107637	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	1406 feet to the SSE
33	0505563	PS 104 ANNEX BLDG	108 WEST 174	2023 feet to the SW
34	0103200	ST THOMAS LUTHERAN CHURCH	222 E 178TH ST	2315 feet to the E
35	9802018	CLOSED-LACKOF RECENT INFO	221 E. 173RD ST	2481 feet to the SSE
36	9800639	JONAS BRONCK HOUSING	230 EAST 179TH STREET	2482 feet to the E
37	8708931	CLOSED-LACKOF RECENT INFO	230 EAST 179TH ST	2482 feet to the E
38	8708460	CLOSED-LACKOF RECENT INFO	230 EAST 179TH ST	2482 feet to the E

Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 89 **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
39	9110836	1765 DAVISON AVE	1765 DAVISON AVE	508 feet to the SSW
40	9811131	MANHOLE #3888926	177TH ST & JEROME AVE	511 feet to the E
41	0307519	SERVICE BOX 16900	JEROME AVE/WEST 176 ST	572 feet to the SSE
42	9707910	27 MOUNT HOPE PL	27 MOUNT HOPE PL	716 feet to the ESE
43	0002003	SERVICE BOX 16891	1745 JEROME AVE	822 feet to the S
44	9900460	SERVICE BOX 11844	1839 UNIVERSITY AVE	852 feet to the NW
45	0705954	THREE GAL ANTIFREEZE IN SB 9677	WALTON AVENUE & MT. HOPE PLACE	917 feet to the ESE
46	0207086		1791 WALTON AVE	959 feet to the SE
47	0002001	SERVICE BOX 16890	1709 JEROME AVE	983 feet to the S
48	0606210	BP AMACO	1740 JEROME AVE	986 feet to the S
49	9908558	MANHOLE # 18889	E TREMONT AV & DROME AVE	1101 feet to the NE
50	9908174	NANHOLE #18889	E TREMONT/JEROME AVE	1101 feet to the NE
51	0001615	MANHOLE 18890	JEROME AVE AT W TREMONT	1101 feet to the NE
52	8904142	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	1142 feet to the WSW
53	0506867	EXXON MOBIL # 17-KPY	1764 UNIVERSITY AVE	1142 feet to the WSW
54	0404708	1764 UNIVERSITY AVE	1764 UNIVERSITY AVE	1142 feet to the WSW
55	0106113	MANHOLE #16889	1705 JERONE AV	1147 feet to the S
56	8600955	22-20 E TREMONT AVE	22-20 E. TREMONT AVE.	1151 feet to the ENE
57	9914843	SERVICE BOX #9515	110 E. 176TH ST	1179 feet to the SE
58	9909214	MANHOLE 9688	WALTON AVE & E TREMONT	1215 feet to the ENE
59	9913920	JUNIOR HIGH SCHOOL 117	1865 MORRIS AVE	1216 feet to the ESE
60	9812895	JUNIOR HIGH SCHOOL 117	1865 MORRIS AVENUE	1216 feet to the ESE
61	9906815	SERVICE BOX 16884	JEROME AV & CLIFFORD PL	1290 feet to the S
62	9903032	SERVICE BOX 16884	WEST SIDE OF JERONE AVE	1290 feet to the S
63	9814072	SERVICE BOX 16884	JEROME AVE AT CLIFFORD RD	1290 feet to the S
64	9902691	EMPTY LOT	NELSON AVE 1700 BLOCK	1392 feet to the WSW
65	9401422	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	1406 feet to the SSE
66	9809179	200 WEST TREMONT AVE	200 WEST TREMONT AVE	1433 feet to the WNW
67	0412869	VACANT LOT	1640 MACOMBS ROAD	1454 feet to the SW
68	0412587	1640 MACOMBS RD	1640 MACOMBS ROAD	1454 feet to the SW
69	0003465	MANHOLE 23888	101 EAST TREMONT AVE	1458 feet to the ENE
70	0707310	GAS STATION	20 EAST 179TH STREET	1468 feet to the ENE
71	0100323	SERVICE BOX #11854	1966 UNIVERSITY AVE	1495 feet to the N
72	0000482	MANHOLE 23857	BURNSIDE AV/LORING PL	1530 feet to the NNW
73	0001000	SERVICE BOX 11854	1970 UNIVERSITY AVE	1531 feet to the N

74	0710535	BETW CLIFFORD & E 175 ST	1749 GRAND CONCOURSE	1533 feet to the SSE
75	9913786	MANHOLE #23859	W BURNSIDE AV/UNIVERSITY	1535 feet to the N
76	0012116	MANHOLE #1966	UNIVERSTY AV/W BURNSIDE	1535 feet to the N
77	0100361	MANHOLE #11854	IFO 1966 UNIVERSITY AVE	1538 feet to the N
78	9507824	SUNOCO	1657 JEROME AVE	1639 feet to the SSW
79	0405971	SUNOCO STATION 0007583196	1657 JEROME AVE.	1639 feet to the SSW
80	0311433	APARTMENT BUILDING	1695 GRAND CONCOURSE	1648 feet to the SSE
81	0001590	MANHOLE #TM-422	ANDREWS AVE/WEST 176TH ST	1653 feet to the W
82	0009392	VAULT 3161	37 BURNSIDE AV	1714 feet to the NE
83	9812546	ROADWAY	UNIVERSITY AVE & BRANT PL	1759 feet to the WSW
84	0203637	MH 21816	UNIVERSITY AVE/E179TH ST	1763 feet to the N
85	9307181	101 E 179 ST & MORRIS AVE	101 E 179TH ST & MORRIS	1800 feet to the ENE
86	0003466	MANHOLE 23890	EAST TREEMONT/GRAND CONCO	1811 feet to the E
87	9900678	1710 MONTGOMERY AVE	1710 MONTGOMERY AVE	1813 feet to the W
88	0402151	CROSSBRONX EXPRESSWAY	@JEROME AVE	1845 feet to the SSW
89	0105472	JEROME AVENUE	CROSS BRONX EXPRESSWAY	1845 feet to the SSW
90	9505170	UNIVERSITY AVE. CONSOL.	1665 ANDREWS AVENUE	1910 feet to the WSW
91	0405476		1790 WEEKS AVE &175TH	1920 feet to the SE
92	0300271		1883 BILLINGSLEY TERR	1935 feet to the NW
93	0612061	APARTMENT	1955 GRAND CONCOURSE	1946 feet to the E
94	0013701		BURNSIDE AV/JEROME AVE	1971 feet to the NE
95	9900662	MANHOLE #12683	E174TH ST/SELWYN AV	1991 feet to the SSE
96	9803703		145 WEST 179TH ST	2054 feet to the N
97	0003424	MANHOLE PM499	MONROE AVE/EAST 175TH ST	2062 feet to the SE
98	8905893	217 EASTMONT AV/BX	217 EASTMONT AVENUE	2087 feet to the E
99	9713137	STREET	MORRIS AVE/ E. 174TH ST	2097 feet to the SSE
100	0100454	SB 15081	IFO 1967 GRAND CONCOURSE	2103 feet to the E
101	9911846	RESIDENCE	1764 WEEKS AVE	2107 feet to the SE
102	9910988	MANHOLE 23731	UNIVERSITY AVE/W 180TH ST	2135 feet to the NNE
103	0409807	SERVICE BOX # 9123	EAST 176TH/TOPPING AVE	2147 feet to the ESE
104	0608641	VAULT #12005	180 STREET & ANDREW AVENUE	2163 feet to the N
105	0409780	VAULT # VO1146	WEST 180TH/ANDREWS AVE ST	2163 feet to the N
106	8805315	JEROME AV @ EDEN AV	JEROME AV @ EDEN AV	2181 feet to the SSW
107	9306130	2084 GRAND AVENUE	2084 GRAND AVENUE	2252 feet to the NNE
108	9306121	2084 GRAND AVENUE	2084 GRAND AVENUE	2252 feet to the NNE
109	9814034	MANHOLE 29558	CEDAR AVE/W TREMONT AVE	2295 feet to the WNW
110	9808990	IN MANHOLE	CEDAR AVE / TREMONT AVE	2295 feet to the WNW
111	9913437	MANHOLE #20256	W. 175TH ST & MONTGOMRY	2308 feet to the WSW
112	8602591	#6 IN MNHLE-173 ST & SEL	173 ST & SELWYN AVE.	2354 feet to the SSE
113	9911740	MANHOLE #23914	CRESTON AV & BURNSIDE AV	2355 feet to the ENE
114	9911498	MANHOLE 23915	CRESENT AV/BURNSIDE AV	2355 feet to the ENE
115	9909079	MANHOLE - # 23915	CRESTON AV & E BERNSIDE A	2355 feet to the ENE
116	9907063	MAN HOLE # 2531	EASTBURNSIDE AV/CRESTON A	2355 feet to the ENE
117	0009776	MAN HOLE # 23914	CRESTON AVE/BURNSIDE AV	2355 feet to the ENE
118	0007197	MANHOLE 2531	CRESTON AV/E BURNSIDE AV	2355 feet to the ENE
119	9905835	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	2400 feet to the S
120	0204648	BRONX LEBANON HOSPITAL	1650 GRAND CONCORSE	2400 feet to the S
121	0009866		2055 CRESTON AVE	2420 feet to the ENE
122	9502789	W. 179TH ST & CEDAR AVE	W. 179TH ST & CEDAR AVE	2491 feet to the NNW
123	0611957	ONE PINT OIL IN VAULT # 4116	1750 SEDGWICK AVENUE	2493 feet to the W
124	0308449		2065 CRESTON AVE	2499 feet to the ENE
125	9808922		174 UNIVERSITY AVE	2512 feet to the WSW
126	9804012	1775 CLAY AVE	1775 CLAY AV	2556 feet to the SE

127	8701256	1972,74 CEDAR AVENUE. / B	1972,74 CEDAR AVENUE.	2618 feet to the NNW

Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 27 **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
128	9908266	MANHOLE 14272	105-107 WEST TREMONT AV	152 feet to the WNW*
129	0005234	RESIDENCE	1750 GRAND AVE	165 feet to the SW*
130	9406349	125 W. TREMONT AVE	125 W. TREMONT AVE	257 feet to the WNW
131	9313948	125 WEST TREMONT AVE.	125 WEST TREMONT AVE	257 feet to the WNW
132	8906296	125 WEST TREMONT ST	125 W TREMONT ST	257 feet to the WNW
133	0710211	APT. BUILDING	1822 DAVIDSON AVE	272 feet to the ESE
134	0210092		62-66 W. TREMONT AVE	439 feet to the NNE
135	0104736	HAROLD DIAMOND APTS	1721 GRAND AV	471 feet to the SW
136	9809680	E177TH STREET & JEROME AV	E177TH STREET & JEROME AV	511 feet to the E
137	0405449	CONED VEHICLE #607447	1876 JEROME AVE	549 feet to the ESE
138	0504804	MANHOLE #16889	EAST 176TH/JEROME AVE	572 feet to the SSE
139	9502766	1868 HARRISON AVENUE	1868 HARRISON AVENUE	573 feet to the N
140	9812681	APT BLDG	1731 HARRISON AVE	601 feet to the W
141	9000496	22 EAST TREMONT ST/BX	22 EAST TREMONT ST	1151 feet to the ENE
142	8701779	COLISEUM DEPOT	110 E. 177TH STR	1410 feet to the E
143	0409906	APARTMNET BUILDING	1777 GRAND CONCOURSE/175ST	1412 feet to the SE
144	9808123	TRAFFIC ACCIDENT	WB X BRONX XPRSWY/JEROME	1845 feet to the SSW
145	9707515	CROSS BRONX EXPRESSWAY EB	AT JEROME AVE	1845 feet to the SSW
146	8703342	CROSS BRONX X-PRESSWAY/JE	CROSS BRONX X-WAY/JEROME	1845 feet to the SSW
147	0501045	TRAFFIC ACCIDENT	CROSS BRONX EX / JEROME A	1845 feet to the SSW
148	9512888	WEST TREMONT	228 WEST TREMONT AVE	1866 feet to the WNW
149	9812333		2050 DAVIDSON AVE	1885 feet to the NE
150	0500419	SEDGEWICK AVE P.U.R.S.	SEDGWICK AVE/WEST TREMONT	1890 feet to the WNW
151	9805671		2043 CRESTONE AVE	2242 feet to the ENE
152	9513674	CROSS BRONX EXPWY/WEEKS	AT WEEKS AVE	2314 feet to the SE
153	9606824	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	2400 feet to the S
154	9703317	WEST 179 ST/DEEGAN EXPRES	WEST 179 ST/DEEGAN EXPRES	2612 feet to the NNW

Petroleum Bulk Storage Sites -- Total Sites - 31 **Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
155	2-605491	1815 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	113 feet to the SSE*
156	2-605494	1821 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	120 feet to the ESE*
157	NY06910	MOUNT HOPE HOUSING CO.	1821 DAVIDSON AVE	120 feet to the ESE*
158	2-332690	1750 REALTY CORPORATION	1750 GRAND AVENUE	165 feet to the SW*
159	2-311332	WEST TREMONT AVENUE REALTY ASSOC. L.P.	125 W TREMONT AVENUE	257 feet to the WNW
160	2-605493	1822 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC	272 feet to the ESE
161	NY06987	MT HOPE HOUSING CO	1822 DAVIDSON AVE	272 feet to the ESE
162	2-605492	1789 DAVIDSON AVE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC	285 feet to the S
163	NY07531	NYC-RM 208	1789 DAVIDSON AVE	285 feet to the S
164	2-605495	1800 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	327 feet to the SSE
165	2-602719	SYCAMORE ROW LLC	1740 GRAND AVENUE	333 feet to the SSW
166	2-191906	1820 HARRISON REALTY L.L.C.	1820 HARRISON AV	344 feet to the NW
167	NY03297	DIV OF REAL PROPERTIES	1739 GRAND AVE	348 feet to the WSW
168	2-469068	1812 HARRISON AVENUE	1812 HARRISON AVENUE	358 feet to the WNW
169	2-294675	1804 HARRISON AVENUE	1804 HARRISON AVENUE	375 feet to the W
170	NY02072	BO MAY REALTY CORP	1804 HARRISON AVE	375 feet to the W
171	2-610068	A DAVIDSON	1775 DAVIDSON AVE	390 feet to the SSW
172	2-602479	1730 HARRISON AVENUE	1730 HARRISON AVENUE	423 feet to the WSW
173	2-601394	DEPT. H.P.D.	62-66 W. TREMONT AVE.	439 feet to the NNE

174	NY00901	62-66 W TREMONT AV.	62 W TREMONT AVE	439 feet to the NNE
175	2-328405	1721 GRAND AVE	1721 GRAND AVE	469 feet to the SW
176	NY03737	EVA H THOMPSON	1854 HARRISON AVE	476 feet to the N
177	2-204811	1765-1767 DAVIDSON AVENUE	1765-1767 DAVIDSON AVENUE	507 feet to the SSW
178	2-467871	1770 DAVIDSON AVENUE	1770 DAVIDSON AVENUE	530 feet to the S
179	2-600839	1718 GRAND AVE	1718 GRAND AVE.	538 feet to the SSW
180	NY08461	RICH REALTY CO	1718 GRAND AVE	538 feet to the SSW
181	2-603853	UNIT AUTO REPAIR (FAUSTO FIGUEROA)	8 EAST 177TH STREET	587 feet to the E
182	2-602477	1700 HARRISON AVENUE	1700 HARRISON AVENUE	624 feet to the SW
183	2-601838	INTERMEDIATE SCHOOL 306 - BRONX	40 WEST TREMONT AVENUE	628 feet to the NE
184	2-605646	MOUNT HOPE RESIDENCE LLC	14-16 MOUNT HOPE PLACE	654 feet to the SE
185	NY01152	A TURCO & V MILANO	14 MOUNT HOPE PL	654 feet to the SE

Hazardous Waste Generators, Transporters -- Total Sites - 5 **Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
186	NYP000934590	BELL ATLANTIC-NY	MT HOPE/JEROME AVE	449 feet to the ESE
187	NYR000092353	NYCDEP - SHAFT 6B	TREMONT & HARRISON AVES	462 feet to the W
188	NYP010000016	NYCDEP	PROTECTION JEROME AVE & 176TH	572 feet to the SSE
189	NYP004076436	CONSOLIDATED EDISON	MH16899 176 ST & JEROME AVE	572 feet to the SSE
190	NYR000000679	NYCTA	JEROME AVE LINE 176TH ST STA	572 feet to the SSE

Identified Toxic Sites by Proximity

60 W 177th Street, Bronx, NY 10453

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
155	1815 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	113 feet to the SSE*	Petroleum Bulk Storage Site
156	1821 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	120 feet to the ESE*	Petroleum Bulk Storage Site
157	MOUNT HOPE HOUSING CO.	1821 DAVIDSON AVE	120 feet to the ESE*	Petroleum Bulk Storage Site
128	MANHOLE 14272	105-107 WEST TREMONT AV	152 feet to the WNW*	Closed Status Spill (Misc. Spill Cause)
129	RESIDENCE	1750 GRAND AVE	165 feet to the SW*	Closed Status Spill (Misc. Spill Cause)
158	1750 REALTY CORPORATION	1750 GRAND AVENUE	165 feet to the SW*	Petroleum Bulk Storage Site
130	125 W. TREMONT AVE	125 W. TREMONT AVE	257 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
131	125 WEST TREMONT AVE.	125 WEST TREMONT AVE	257 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
132	125 WEST TREMONT ST	125 W TREMONT ST	257 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
159	WEST TREMONT AVENUE REALTY ASSOC. L.P.	125 W TREMONT AVENUE	257 feet to the WNW	Petroleum Bulk Storage Site
133	APT. BUILDING	1822 DAVIDSON AVE	272 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
160	1822 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC	272 feet to the ESE	Petroleum Bulk Storage Site
161	MT HOPE HOUSING CO	1822 DAVIDSON AVE	272 feet to the ESE	Petroleum Bulk Storage Site
162	1789 DAVIDSON AVE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC	285 feet to the S	Petroleum Bulk Storage Site
163	NYC-RM 208	1789 DAVIDSON AVE	285 feet to the S	Petroleum Bulk Storage Site
164	1800 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	327 feet to the SSE	Petroleum Bulk Storage Site
165	SYCAMORE ROW LLC	1740 GRAND AVENUE	333 feet to the SSW	Petroleum Bulk Storage Site
166	1820 HARRISON REALTY L.L.C.	1820 HARRISON AV	344 feet to the NW	Petroleum Bulk Storage Site
167	DIV OF REAL PROPERTIES	1739 GRAND AVE	348 feet to the WSW	Petroleum Bulk Storage Site
168	1812 HARRISON AVENUE	1812 HARRISON AVENUE	358 feet to the WNW	Petroleum Bulk Storage Site
3	COMMERCIAL	1829 JEROME AVE	371 feet to the ESE	Active Tank Failure
169	1804 HARRISON AVENUE	1804 HARRISON AVENUE	375 feet to the W	Petroleum Bulk Storage Site
170	BO MAY REALTY CORP	1804 HARRISON AVE	375 feet to the W	Petroleum Bulk Storage Site
171	A DAVIDSON	1775 DAVIDSON AVE	390 feet to the SSW	Petroleum Bulk Storage Site
172	1730 HARRISON AVENUE	1730 HARRISON AVENUE	423 feet to the WSW	Petroleum Bulk Storage Site
134		62-66 W. TREMONT AVE	439 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
173	DEPT. H.P.D.	62-66 W. TREMONT AVE.	439 feet to the NNE	Petroleum Bulk Storage Site
174	62-66 W TREMONT AV.	62 W TREMONT AVE	439 feet to the NNE	Petroleum Bulk Storage Site
186	BELL ATLANTIC-NY	MT HOPE/JEROME AVE	449 feet to the ESE	Hazardous Waste Generator/Transporter
187	NYCDEP - SHAFT 6B	TREMONT & HARRISON AVES	462 feet to the W	Hazardous Waste Generator/Transporter
175	1721 GRAND AVE	1721 GRAND AVE	469 feet to the SW	Petroleum Bulk Storage Site
135	HAROLD DIAMOND APTS	1721 GRAND AV	471 feet to the SW	Closed Status Spill (Misc. Spill Cause)
176	EVA H THOMPSON	1854 HARRISON AVE	476 feet to the N	Petroleum Bulk Storage Site
177	1765-1767 DAVIDSON AVENUE	1765-1767 DAVIDSON AVENUE	507 feet to the SSW	Petroleum Bulk Storage Site
39	1765 DAVISON AVE	1765 DAVISON AVE	508 feet to the SSW	Closed Status Spill (Unk/Other Cause)
40	MANHOLE #3888926	177TH ST & JEROME AVE	511 feet to the E	Closed Status Spill (Unk/Other Cause)
136	E177TH STREET & JEROME AV	E177TH STREET & JEROME AV	511 feet to the E	Closed Status Spill (Misc. Spill Cause)
178	1770 DAVIDSON AVENUE	1770 DAVIDSON AVENUE	530 feet to the S	Petroleum Bulk Storage Site
179	1718 GRAND AVE	1718 GRAND AVE.	538 feet to the SSW	Petroleum Bulk Storage Site
180	RICH REALTY CO	1718 GRAND AVE	538 feet to the SSW	Petroleum Bulk Storage Site
137	CONED VEHICLE #607447	1876 JEROME AVE	549 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
17	E. 176TH ST & JEROME AVE	E. 176TH ST & JEROME AVE	572 feet to the SSE	Active Haz Spill (Misc. Spill Cause)
41	SERVICE BOX 16900	JEROME AVE/WEST 176 ST	572 feet to the SSE	Closed Status Spill (Unk/Other Cause)
138	MANHOLE #16889	EAST 176TH/JEROME AVE	572 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
188	NYCDEP	PROTECTION JEROME AVE & 176TH	572 feet to the SSE	Hazardous Waste Generator/Transporter

189	CONSOLIDATED EDISON	MH16899 176 ST & JEROME AVE	572 feet to the SSE	Hazardous Waste Generator/Transporter
190	NYCTA	JEROME AVE LINE 176TH ST STA	572 feet to the SSE	Hazardous Waste Generator/Transporter
139	1868 HARRISON AVENUE	1868 HARRISON AVENUE	573 feet to the N	Closed Status Spill (Misc. Spill Cause)
181	UNIT AUTO REPAIR (FAUSTO FIGUEROA)	8 EAST 177TH STREET	587 feet to the E	Petroleum Bulk Storage Site
140	APT BLDG	1731 HARRISON AVE	601 feet to the W	Closed Status Spill (Misc. Spill Cause)
182	1700 HARRISON AVENUE	1700 HARRISON AVENUE	624 feet to the SW	Petroleum Bulk Storage Site
183	INTERMEDIATE SCHOOL 306 - BRONX	40 WEST TREMONT AVENUE	628 feet to the NE	Petroleum Bulk Storage Site
184	MOUNT HOPE RESIDENCE LLC	14-16 MOUNT HOPE PLACE	654 feet to the SE	Petroleum Bulk Storage Site
185	A TURCO & V MILANO	14 MOUNT HOPE PL	654 feet to the SE	Petroleum Bulk Storage Site
42	27 MOUNT HOPE PL	27 MOUNT HOPE PL	716 feet to the ESE	Closed Status Spill (Unk/Other Cause)
43	SERVICE BOX 16891	1745 JEROME AVE	822 feet to the S	Closed Status Spill (Unk/Other Cause)
44	SERVICE BOX 11844	1839 UNIVERSITY AVE	852 feet to the NW	Closed Status Spill (Unk/Other Cause)
45	THREE GAL ANTIFREEZE IN SB 9677	WALTON AVENUE & MT. HOPE PLACE	917 feet to the ESE	Closed Status Spill (Unk/Other Cause)
27	SHIELD SCHOOL	ANDREWS AV	955 feet to the WNW	Closed Status Tank Test Failure
28	1800 ANDREWS AV/BX/SHIELD	1800 ANDREWS AVE	955 feet to the WNW	Closed Status Tank Test Failure
46		1791 WALTON AVE	959 feet to the SE	Closed Status Spill (Unk/Other Cause)
47	SERVICE BOX 16890	1709 JEROME AVE	983 feet to the S	Closed Status Spill (Unk/Other Cause)
48	BP AMACO	1740 JEROME AVE	986 feet to the S	Closed Status Spill (Unk/Other Cause)
19	MOUNT HOPE HOUSING COMPANY	55 EAST 175TH STREET	1036 feet to the SSE	Closed Status Tank Failure
8	APARTMENT BUILDING	60 EAST 177TH ST	1043 feet to the E	Active Haz Spill (Unknown/Other Cause)
9	SERVICE BOX 18893	JEROME AVE/E TREMONT AVE	1101 feet to the NE	Active Haz Spill (Unknown/Other Cause)
49	MANHOLE # 18889	E TREMONT AV & DROME AVE	1101 feet to the NE	Closed Status Spill (Unk/Other Cause)
50	NANHOLE #18889	E TREMONT/JEROME AVE	1101 feet to the NE	Closed Status Spill (Unk/Other Cause)
51	MANHOLE 18890	JEROME AVE AT W TREMONT	1101 feet to the NE	Closed Status Spill (Unk/Other Cause)
29	1985 DAVIDSON AVENUE	1985 DAVIDSON AVENUE	1105 feet to the NE	Closed Status Tank Test Failure
6	MOBIL SERVICE STATION	1764 UNIVERSITY AV	1142 feet to the WSW	Active Tank Test Failure
30	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	1142 feet to the WSW	Closed Status Tank Test Failure
52	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	1142 feet to the WSW	Closed Status Spill (Unk/Other Cause)
53	EXXON MOBIL # 17-KPY	1764 UNIVERSITY AVE	1142 feet to the WSW	Closed Status Spill (Unk/Other Cause)
54	1764 UNIVERSITY AVE	1764 UNIVERSITY AVE	1142 feet to the WSW	Closed Status Spill (Unk/Other Cause)
55	MANHOLE #16889	1705 JERONE AV	1147 feet to the S	Closed Status Spill (Unk/Other Cause)
56	22-20 E TREMONT AVE	22-20 E. TREMONT AVE.	1151 feet to the ENE	Closed Status Spill (Unk/Other Cause)
141	22 EAST TREMONT ST/BX	22 EAST TREMONT ST	1151 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
57	SERVICE BOX #9515	110 E. 176TH ST	1179 feet to the SE	Closed Status Spill (Unk/Other Cause)
31	R. G. ORTIZ FUNERAL HOME	60 EAST TREMONT AVE	1209 feet to the ENE	Closed Status Tank Test Failure
58	MANHOLE 9688	WALTON AVE & E TREMONT	1215 feet to the ENE	Closed Status Spill (Unk/Other Cause)
59	JUNIOR HIGH SCHOOL 117	1865 MORRIS AVE	1216 feet to the ESE	Closed Status Spill (Unk/Other Cause)
60	JUNIOR HIGH SCHOOL 117	1865 MORRIS AVENUE	1216 feet to the ESE	Closed Status Spill (Unk/Other Cause)
7	RENTAL MANAGEMENT ASSOCIA	1890 ANDREWS AVE	1262 feet to the NNW	Active Tank Test Failure
61	SERVICE BOX 16884	JEROME AV & CLIFFORD PL	1290 feet to the S	Closed Status Spill (Unk/Other Cause)
62	SERVICE BOX 16884	WEST SIDE OF JERONE AVE	1290 feet to the S	Closed Status Spill (Unk/Other Cause)
63	SERVICE BOX 16884	JEROME AVE AT CLIFFORD RD	1290 feet to the S	Closed Status Spill (Unk/Other Cause)
4	APT BUILDING	54 WEST 174TH ST	1376 feet to the SW	Active Tank Failure
64	EMPTY LOT	NELSON AVE 1700 BLOCK	1392 feet to the WSW	Closed Status Spill (Unk/Other Cause)
32	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	1406 feet to the SSE	Closed Status Tank Test Failure
65	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	1406 feet to the SSE	Closed Status Spill (Unk/Other Cause)
20	RE-MO HOLDING CORP	110 EAST 177TH ST	1410 feet to the E	Closed Status Tank Failure
142	COLISEUM DEPOT	110 E. 177TH STR	1410 feet to the E	Closed Status Spill (Misc. Spill Cause)
21		1777 GRAND CONCORSE	1412 feet to the SE	Closed Status Tank Failure
143	APARTMNET BUILDING	1777 GRAND CONCOURSE/175ST	1412 feet to the SE	Closed Status Spill (Misc. Spill Cause)
10	MANHOLE 403	DAVIDSON AV/174TH ST	1423 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
66	200 WEST TREMONT AVE	200 WEST TREMONT AVE	1433 feet to the WNW	Closed Status Spill (Unk/Other Cause)
11	FORMER GAS STATION	1990 JEROME AVE	1446 feet to the NE	Active Haz Spill (Unknown/Other Cause)

67	VACANT LOT	1640 MACOMBS ROAD	1454 feet to the SW	Closed Status Spill (Unk/Other Cause)
68	1640 MACOMBS RD	1640 MACOMBS ROAD	1454 feet to the SW	Closed Status Spill (Unk/Other Cause)
69	MANHOLE 23888	101 EAST TREMONT AVE	1458 feet to the ENE	Closed Status Spill (Unk/Other Cause)
22	ST MARGARET MARY RECTORY	1914 MORRIS AVE	1467 feet to the E	Closed Status Tank Failure
70	GAS STATION	20 EAST 179TH STREET	1468 feet to the ENE	Closed Status Spill (Unk/Other Cause)
71	SERVICE BOX #11854	1966 UNIVERSITY AVE	1495 feet to the N	Closed Status Spill (Unk/Other Cause)
72	MANHOLE 23857	BURNSIDE AV/LORING PL	1530 feet to the NNW	Closed Status Spill (Unk/Other Cause)
73	SERVICE BOX 11854	1970 UNIVERSITY AVE	1531 feet to the N	Closed Status Spill (Unk/Other Cause)
74	BETW CLIFFORD & E 175 ST	1749 GRAND CONCOURSE	1533 feet to the SSE	Closed Status Spill (Unk/Other Cause)
75	MANHOLE #23859	W BURNSIDE AV/UNIVERSITY	1535 feet to the N	Closed Status Spill (Unk/Other Cause)
76	MANHOLE #1966	UNIVERSTY AV/W BURNSIDE	1535 feet to the N	Closed Status Spill (Unk/Other Cause)
77	MANHOLE #11854	IFO 1966 UNIVERSITY AVE	1538 feet to the N	Closed Status Spill (Unk/Other Cause)
23	1840 PHELAM PL/BX	1840 PHELAM PLACE	1545 feet to the NW	Closed Status Tank Failure
78	SUNOCO	1657 JEROME AVE	1639 feet to the SSW	Closed Status Spill (Unk/Other Cause)
79	SUNOCO STATION 0007583196	1657 JEROME AVE.	1639 feet to the SSW	Closed Status Spill (Unk/Other Cause)
80	APARTMENT BUILDING	1695 GRAND CONCOURSE	1648 feet to the SSE	Closed Status Spill (Unk/Other Cause)
81	MANHOLE #TM-422	ANDREWS AVE/WEST 176TH ST	1653 feet to the W	Closed Status Spill (Unk/Other Cause)
82	VAULT 3161	37 BURNSIDE AV	1714 feet to the NE	Closed Status Spill (Unk/Other Cause)
83	ROADWAY	UNIVERSITY AVE & BRANT PL	1759 feet to the WSW	Closed Status Spill (Unk/Other Cause)
84	MH 21816	UNIVERSITY AVE/E179TH ST	1763 feet to the N	Closed Status Spill (Unk/Other Cause)
85	101 E 179 ST & MORRIS AVE	101 E 179TH ST & MORRIS	1800 feet to the ENE	Closed Status Spill (Unk/Other Cause)
86	MANHOLE 23890	EAST TREEMONT/GRAND CONCO	1811 feet to the E	Closed Status Spill (Unk/Other Cause)
87	1710 MONTGOMERY AVE	1710 MONTGOMERY AVE	1813 feet to the W	Closed Status Spill (Unk/Other Cause)
88	CROSSBRONX EXPRESSWAY	@JEROME AVE	1845 feet to the SSW	Closed Status Spill (Unk/Other Cause)
89	JEROME AVENUE	CROSS BRONX EXPRESSWAY	1845 feet to the SSW	Closed Status Spill (Unk/Other Cause)
144	TRAFFIC ACCIDENT	WB X BRONX XPRSWY/JEROME	1845 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
145	CROSS BRONX EXPRESSWAY EB	AT JEROME AVE	1845 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
146	CROSS BRONX X-PRESSWAY/JE	CROSS BRONX X-WAY/JEROME	1845 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
147	TRAFFIC ACCIDENT	CROSS BRONX EX / JEROME A	1845 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
148	WEST TREMONT	228 WEST TREMONT AVE	1866 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
149		2050 DAVIDSON AVE	1885 feet to the NE	Closed Status Spill (Misc. Spill Cause)
150	SEDGEWICK AVE P.U.R.S.	SEDGWICK AVE/WEST TREMONT	1890 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
90	UNIVERSITY AVE. CONSOL.	1665 ANDREWS AVENUE	1910 feet to the WSW	Closed Status Spill (Unk/Other Cause)
91		1790 WEEKS AVE &175TH	1920 feet to the SE	Closed Status Spill (Unk/Other Cause)
92		1883 BILLINGSLEY TERR	1935 feet to the NW	Closed Status Spill (Unk/Other Cause)
93	APARTMENT	1955 GRAND CONCOURSE	1946 feet to the E	Closed Status Spill (Unk/Other Cause)
94		BURNSIDE AV/JEROME AVE	1971 feet to the NE	Closed Status Spill (Unk/Other Cause)
95	MANHOLE #12683	E174TH ST/SELWYN AV	1991 feet to the SSE	Closed Status Spill (Unk/Other Cause)
24	1916 GRAND CONCOURSE/BX	1916 GRAND CONCOURSE	2022 feet to the E	Closed Status Tank Failure
33	PS 104 ANNEX BLDG	108 WEST 174	2023 feet to the SW	Closed Status Tank Test Failure
12	CHRISTIE RESIDENCE	145 W.179TH ST	2054 feet to the N	Active Haz Spill (Unknown/Other Cause)
96		145 WEST 179TH ST	2054 feet to the N	Closed Status Spill (Unk/Other Cause)
97	MANHOLE PM499	MONROE AVE/EAST 175TH ST	2062 feet to the SE	Closed Status Spill (Unk/Other Cause)
13	SEDGWICK AVE PURS	1823 SEDGWICK AVE	2087 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
14	SEDGWICK AVE PURS	1823 SEDGWICK AVE	2087 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
18	SEDGWICK AVE PURS	SEDGWICK AVE	2087 feet to the WNW	Active Haz Spill (Misc. Spill Cause)
98	217 EASTMONT AV/BX	217 EASTMONT AVENUE	2087 feet to the E	Closed Status Spill (Unk/Other Cause)
5	1755 WEEKS AVE	1755 WEEKS AVE	2089 feet to the SE	Active Tank Failure
99	STREET	MORRIS AVE/ E. 174TH ST	2097 feet to the SSE	Closed Status Spill (Unk/Other Cause)
100	SB 15081	IFO 1967 GRAND CONCOURSE	2103 feet to the E	Closed Status Spill (Unk/Other Cause)
101	RESIDENCE	1764 WEEKS AVE	2107 feet to the SE	Closed Status Spill (Unk/Other Cause)
102	MANHOLE 23731	UNIVERSITY AVE/W 180TH ST	2135 feet to the NNE	Closed Status Spill (Unk/Other Cause)
103	SERVICE BOX # 9123	EAST 176TH/TOPPING AVE	2147 feet to the ESE	Closed Status Spill (Unk/Other Cause)

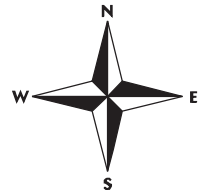
104	VAULT #12005	180 STREET & ANDREW AVENUE	2163 feet to the N	Closed Status Spill (Unk/Other Cause)
105	VAULT # VO1146	WEST 180TH/ANDREWS AVE ST	2163 feet to the N	Closed Status Spill (Unk/Other Cause)
106	JEROME AV @ EDEN AV	JEROME AV @ EDEN AV	2181 feet to the SSW	Closed Status Spill (Unk/Other Cause)
15	BASEMENT	1761 UNDERCLIFF AVE	2227 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
151		2043 CRESTONE AVE	2242 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
25	2084 GRAND AVE/BX	2084 GRAND AVENUE	2252 feet to the NNE	Closed Status Tank Failure
107	2084 GRAND AVENUE	2084 GRAND AVENUE	2252 feet to the NNE	Closed Status Spill (Unk/Other Cause)
108	2084 GRAND AVENUE	2084 GRAND AVENUE	2252 feet to the NNE	Closed Status Spill (Unk/Other Cause)
109	MANHOLE 29558	CEDAR AVE/W TREMONT AVE	2295 feet to the WNW	Closed Status Spill (Unk/Other Cause)
110	IN MANHOLE	CEDAR AVE / TREMONT AVE	2295 feet to the WNW	Closed Status Spill (Unk/Other Cause)
111	MANHOLE #20256	W. 175TH ST & MONTGOMRY	2308 feet to the WSW	Closed Status Spill (Unk/Other Cause)
152	CROSS BRONX EXPWY/WEEKS	AT WEEKS AVE	2314 feet to the SE	Closed Status Spill (Misc. Spill Cause)
34	ST THOMAS LUTHERAN CHURCH	222 E 178TH ST	2315 feet to the E	Closed Status Tank Test Failure
2	UNKNOWN	173RD ST. & SELWYN AVE.	2354 feet to the SSE	Solid Waste Facility
112	#6 IN MNHLE-173 ST & SEL	173 ST & SELWYN AVE.	2354 feet to the SSE	Closed Status Spill (Unk/Other Cause)
113	MANHOLE #23914	CRESTON AV & BURNSIDE AV	2355 feet to the ENE	Closed Status Spill (Unk/Other Cause)
114	MANHOLE 23915	CRESENT AV/BURNSIDE AV	2355 feet to the ENE	Closed Status Spill (Unk/Other Cause)
115	MANHOLE - # 23915	CRESTON AV & E BERNSIDE A	2355 feet to the ENE	Closed Status Spill (Unk/Other Cause)
116	MAN HOLE # 2531	EASTBURNSIDE AV/CRESTON A	2355 feet to the ENE	Closed Status Spill (Unk/Other Cause)
117	MAN HOLE # 23914	CRESTON AVE/BURNSIDE AV	2355 feet to the ENE	Closed Status Spill (Unk/Other Cause)
118	MANHOLE 2531	CRESTON AV/E BURNSIDE AV	2355 feet to the ENE	Closed Status Spill (Unk/Other Cause)
119	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	2400 feet to the S	Closed Status Spill (Unk/Other Cause)
120	BRONX LEBANON HOSPITAL	1650 GRAND CONCORSE	2400 feet to the S	Closed Status Spill (Unk/Other Cause)
153	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	2400 feet to the S	Closed Status Spill (Misc. Spill Cause)
121		2055 CRESTON AVE	2420 feet to the ENE	Closed Status Spill (Unk/Other Cause)
35	CLOSED-LACKOF RECENT INFO	221 E. 173RD ST	2481 feet to the SSE	Closed Status Tank Test Failure
36	JONAS BRONCK HOUSING	230 EAST 179TH STREET	2482 feet to the E	Closed Status Tank Test Failure
37	CLOSED-LACKOF RECENT INFO	230 EAST 179TH ST	2482 feet to the E	Closed Status Tank Test Failure
38	CLOSED-LACKOF RECENT INFO	230 EAST 179TH ST	2482 feet to the E	Closed Status Tank Test Failure
122	W. 179TH ST & CEDAR AVE	W. 179TH ST & CEDAR AVE	2491 feet to the NNW	Closed Status Spill (Unk/Other Cause)
123	ONE PINT OIL IN VAULT # 4116	1750 SEDGWICK AVENUE	2493 feet to the W	Closed Status Spill (Unk/Other Cause)
124		2065 CRESTON AVE	2499 feet to the ENE	Closed Status Spill (Unk/Other Cause)
125		174 UNIVERSITY AVE	2512 feet to the WSW	Closed Status Spill (Unk/Other Cause)
126	1775 CLAY AVE	1775 CLAY AV	2556 feet to the SE	Closed Status Spill (Unk/Other Cause)
26	MAJOR DEEGAN EXPRESSWAY	MAJOR DEEGAN EXPRESSWAY	2612 feet to the NNW	Closed Status Tank Failure
154	WEST 179 ST/DEEGAN EXPRES	WEST 179 ST/DEEGAN EXPRES	2612 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
127	1972,74 CEDAR AVENUE. / B	1972,74 CEDAR AVENUE.	2618 feet to the NNW	Closed Status Spill (Unk/Other Cause)
16	NYCSCA - NEW SCHOOL SITE	1526-1532 INWOOD AVE	2623 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
1	1296 SHERIDAN AVE	231 E 169TH ST	5135 feet to the S	NYSDEC Inactive Haz Waste Registry Qual.

Toxics Targeting
1 Mile Radius Map

60 W 177th Street

Bronx, NY 10453

Elevation above Sea Level: 91 feet



Bronx County

National Priority List (NPL)

Inactive Hazardous Waste Disposal Registry Site

Inact. Haz Waste Disp. Registry Qualifying

RCRA Corrective Action Facility

Site Location

Waterbody

County Border

Railroad Tracks

1 Mile Radius

1/2 Mile Radius

1/4 Mile Radius

1/8 Mile Radius

1 0 1/8 1/4 1/2 1

Distance in Miles

Toxics Targeting
1/2 Mile Radius Map

60 W 177th Street

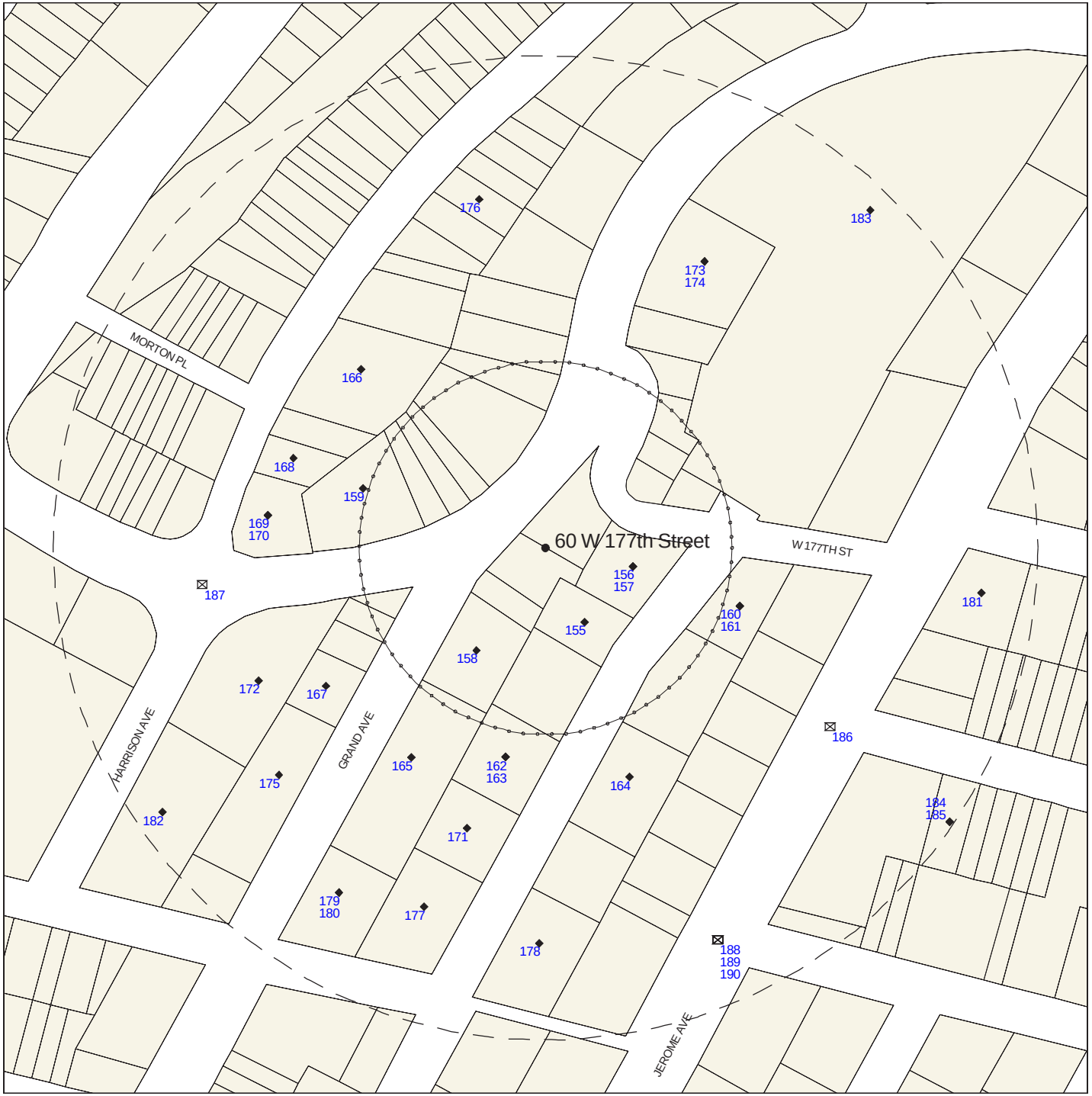
Bronx, NY 10453

Elevation above Sea Level: 91 feet

Bronx County

- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Brownfields Site
- Hazardous Material Spill
- MTBE Gasoline Additive Spill

- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1 Mile Radius
- 1/2 Mile Radius
- 1/4 Mile Radius
- 1/8 Mile Radius



Toxics Targeting
1/8 Mile Radius Map

60 W 177th Street

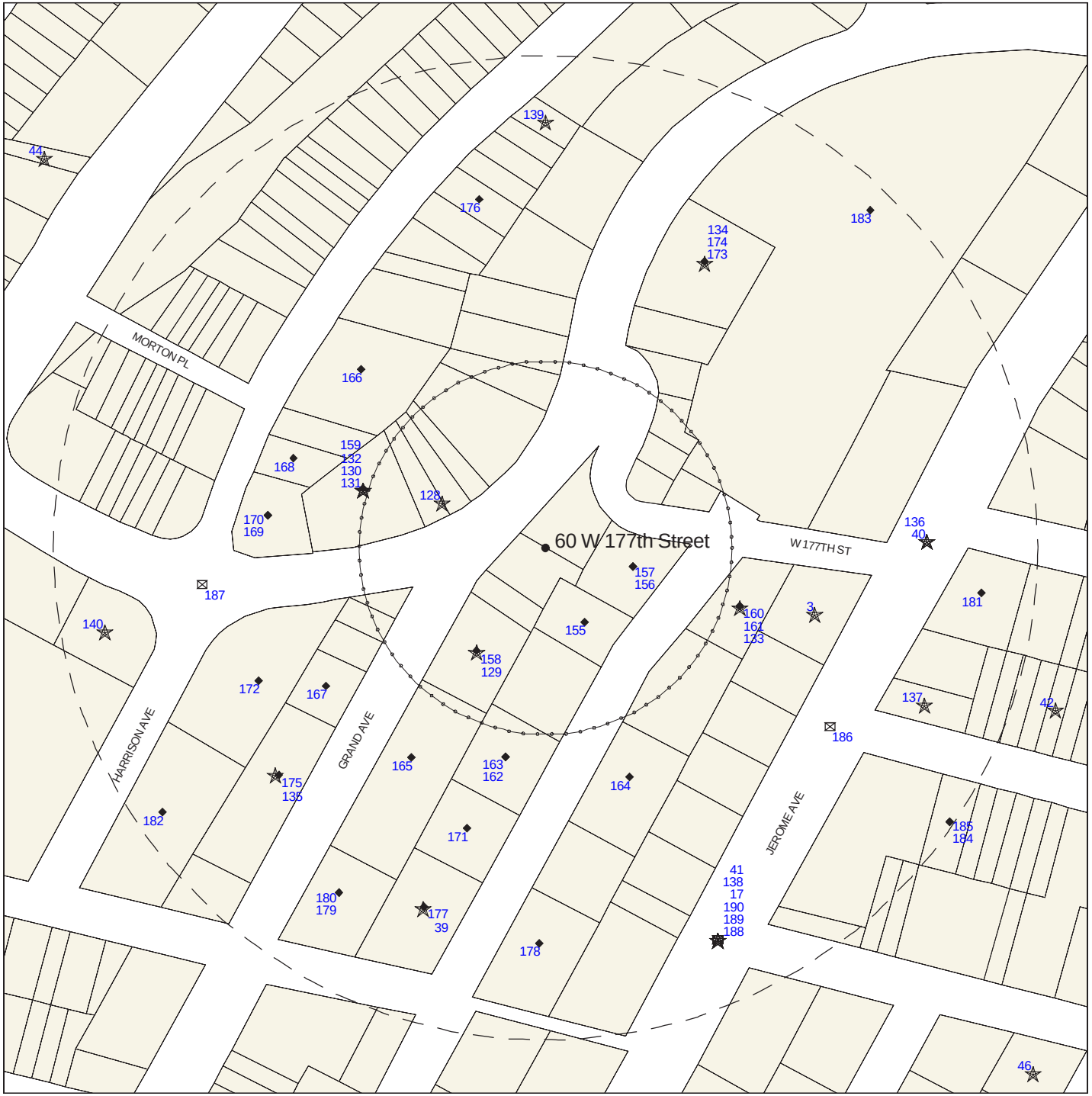
Bronx, NY 10453

Elevation above Sea Level: 91 feet

Bronx County

- Major Oil Storage Facility
- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Hazardous Waste Generator, Transp.
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Petroleum Bulk Storage Facility
- Historic Utility Site

- Site Location
- County Border
- 1/8 Mile Radius
- Waterbody
- Railroad Tracks
- 250 Foot Radius

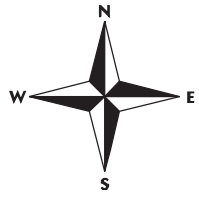


Toxics Targeting
1/8 Mile Closeup Map

60 W 177th Street

Bronx, NY 10453

Elevation above Sea Level: 91 feet



Bronx County

- National Priority List (NPL) *
- Delisted NPL Site **
- CERCLIS Superfund Non-NFRAP Site **
- CERCLIS Superfund NFRAP Site **
- Inactive Hazardous Waste Disposal Registry Site *
- Inact. Haz Waste Disp. Registry Qualifying *
- Hazardous Waste Treater, Storer, Disposer **
- RCRA Corrective Action Facility *
- Hazardous Substance Waste Disposal Site **
- Solid Waste Facility **
- Major Oil Storage Facility ****
- Brownfields Site **
- Chemical Storage Facility ****
- Hazardous Material Spill **
- Toxic Release ****
- MTBE Gasoline Additive Spill **
- Wastewater Discharge ****
- Petroleum Bulk Storage Facility ****
- Hazardous Waste Generator, Transp. ****
- Historic Utility Site ****
- Enforcement Docket Facility ****
- Air Release ****
- Env Qual Review E Designation *****

- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1/8 Mile Radius
- 250 Foot Radius

* 1 Mile Search Radius

** 1/2 Mile Search Radius

**** 1/8 Mile Search Radius

***** Onsite Search (250 Ft)

Toxics Targeting Tax Parcel Map

60 W 177th Street

Bronx, NY 10453

Elevation above Sea Level: 91 feet

Bronx County

- National Priority List (NPL)
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Inactive Hazardous Waste Disposal Registry Site
- Inact. Haz Waste Disp. Registry Qualifying
- Hazardous Waste Treater, Storer, Disposer
- RCRA Corrective Action Facility
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Major Oil Storage Facility
- Brownfields Site
- Chemical Storage Facility
- Hazardous Material Spill
- Toxic Release
- MTBE Gasoline Additive Spill
- Wastewater Discharge
- Petroleum Bulk Storage Facility
- Hazardous Waste Generator, Transp.
- Historic Utility Site
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation

- Site Location
- Waterbody
- County Border
- Railroad Tracks

Tax Parcel Information Table

60 W 177th Street
Bronx, NY 10453

Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
2-02867-0125	92 WEST TREMONT AVENUE	HOUSING PRESERVATION	R7-1	V0	0		2134	6467
2-02867-0128	WEST TREMONT AVENUE	HOUSING PRESERVATION	R7-1	V0	0		2880	7681

Other Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
2-02861-0123	1800 DAVIDSON AVENUE	HOUSING PRESERVATION	R7-1	D1	1	1927	1327500	15000
2-02861-0129	1818 DAVIDSON AVENUE	HUMAN RESOURCES ADMIN	R7-1	W9	1	1994	1210500	14475
2-02861-0135	1822 DAVIDSON AVENUE	HOUSING PRESERVATION	R7-1	C1	1	1927	535500	8233
2-02861-0145	1813 JEROME AVENUE	1813 JEROME INC	C8-3	K9	1	1925	159300	7500
2-02861-0148	1801 JEROME AVENUE	BERNARD MARIE JULIE	C8-3	K1	1	1925	124200	7500
2-02861-0151	1793 JEROME AVENUE	MORALES REALTY, LLC	C8-3	G7	0		34371	7500
2-02862-0001	35 WEST 177 STREET	'DOR''S CENTURY DWELLIN'	R7-1	C5	1	1915	96750	2424
2-02862-0002	37 WEST 177 STREET	'DOR''S CENTURY DWELLIN'	R7-1	C5	1	1915	96750	2259
2-02862-0003	43 WEST 177 STREET	GIBBS, ELIZABETH	R7-1	B1	1	1920	10263	3326
2-02862-0005	45 WEST 177 STREET	45 ASSOCIATES LLC	R7-1	I1	1	1915	139950	3611
2-02862-0006	74 WEST TREMONT AVENUE	BRONX REAL ESTATE SVC	R7-1	G7	0		24435	5814
2-02862-0014	50 WEST TREMONT AVENUE	BOARD OF EDUCATION	R7-1	W1	1	1991	11160000	81085
2-02862-0058	1903 DAVIDSON AVENUE	CLIVE KENNEDY	R7-1	C3	1	1908	20716	2520
2-02867-0070	1730 HARRISON AVENUE	HARRISON AFFORDABLE U	R7-1	C1	1	1927	823500	24047
2-02867-0082	1749 GRAND AVENUE	GERTIE PINCKNEY	R7-1	C0	1	1920	8276	2059
2-02867-0083	1745 GRAND AVENUE	RIVERA, ALBERTO JUAN	R7-1	A3	1	1920	7464	2414
2-02867-0084	1743 GRAND AVENUE	JOY FELLOWSHIP CHURCH	R7-1	A3	1	1920	7723	3304
2-02867-0086	1739 GRAND AVENUE	SIEITA GRANT	R7-1	C0	1	1920	20277	3633
2-02867-0108	1740 GRAND AVENUE	SYCAMORE ROW LLC C/O	R7-1	D1	1	1940	1026000	25016
2-02867-0118	1750 GRAND AVENUE	1750 REALTY CORP	R7-1	C1	1	1924	377100	11500
2-02867-0123	1760 GRAND AVENUE	PETER CAUDLE	R7-1	B1	1	1930	9331	3575
2-02867-0134	1821 DAVIDSON AVENUE	MT. HOPE HOUSING CO.	R7-1	C1	1	1923	643500	10700
2-02867-0139	1815 DAVIDSON AVENUE	MT. HOPE HOUSING CO.	R7-1	D1	1	1930	630000	8190
2-02867-0142	1801 DAVIDSON AVENUE	HUMAN RESOURCES ADMIN	R7-1	Q2	1	1999	36315	11242
2-02867-0147	1789 DAVIDSON AVENUE	MT. HOPE HOUSING CO.	R7-1	C1	1	1925	459000	11241
2-02869-0005	1812 HARRISON AVENUE	LEMLE & WOLFF	R7-1	C1	1	1916	161550	4066
2-02869-0007	1816 HARRISON AVENUE	J LAMB	R7-1	B2	1	1910	11193	4327
2-02869-0009	1820 HARRISON AVENUE	1820 HARRISON REALTY	R7-1	D1	1	1962	666000	19746
2-02869-0016	1840 HARRISON AVENUE	JOSE SEGURA	R7-1	B3	1	1910	9331	10362
2-02869-0043	WEST TREMONT AVENUE	75 W. TREMONT REALTY	R7-1	V1	0		33075	7276
2-02869-0045	85 WEST TREMONT AVENUE	75 W. TREMONT REALTY	R7-1	G7	0		30600	5614
2-02869-0047	91 WEST TREMONT AVENUE	JERICHO WEST TREMONT	R7-1	D1	1	2003	88650	19146
2-02869-0053	103 WEST TREMONT AVENUE	WILLIE BROADIE JR	R7-1	B3	1	1910	6375	4566
2-02869-0054	105 WEST TREMONT AVENUE	PHYLLIS J MARTIN	R7-1	A9	1	1910	6375	4566
2-02869-0056	107 WEST TREMONT AVENUE	ROYALTY REALTY, LLC	R7-1	A9	1	1910	8268	5188
2-02869-0058	109 WEST TREMONT AVENUE	WEST TREMONT AVENUE R	R7-1	D7	1	1941	580500	16000

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code (This information does not appear in the headings for Inactive Hazardous Waste Disposal Sites).
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see ***How Sites are Located***, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers;
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites (A complete description of the codes follows the profiles section).

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity**: Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity**: The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity**: The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive toxicity**: May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced)

IRRIT TOX: **Primary Irritant**: The chemical can cause eye or skin irritation

MCL: **Drinking Water Standard - Maximum Contaminant Level** (MCL) listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications: 1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;

2 -- Significant threat to the public health or environment -- action required;

3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;

4 -- Site properly closed --requires continued management;

5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;

2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.

$D_{1, 2, 3}$ -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed)

NO NATIONAL PRIORITIES LIST (NPL) SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY-QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1 **1296 SHERIDAN AVE** **Facility Id: 2-004**
231 E 169TH ST BRONX, NY

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 5135 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10456

This facility has been deleted from the reported data. Data reflects last reported information.

****

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT
REGION: 2

NAME OF SITE: 1296 Sheridan Ave.
STREET ADDRESS: 231 E. 169th Street
TOWN/CITY: Bronx COUNTY: Bronx

Registry Qualifying Investigations Underway as of 04/1996

NO RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

NO CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO BROWNFIELDS SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

SOLID WASTE FACILITIES IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 2 **UNKNOWN**
173RD ST. & SELWYN AVE. BRONX

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2354 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: E 173RD ST / SELWYN AVE
Revised zip code: 10457

1934 New York City municipal waste disposal site --- Cubic yards dumped in 1934: 12

NO HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS

HAZARDOUS MATERIAL SPILLS INTRODUCTION

The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

Active Spills Section: Spills with incomplete paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

1) Tank Failures
2) Tank Test Failures
3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
4) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

5) Tank Failures
6) Tank Test Failures
7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
8) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

All spills within each spill cause category are presented in order of proximity to the subject site address.

Please note that spills reported within 0.25 mile (or one-eighth mile in New York City) are mapped and profiled.

Between 0.25 mile (or one-eighth mile in New York City) and 0.5 mile, only the following spills are mapped and profiled:

* Tank Failures;

* Tank Test Failures;

* Unknown Spill Cause or Other Spill Cause;

* Spills greater than 100 units of quantity; and

* Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellanous Spills with less than 100 units located between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.

ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 3 **COMMERCIAL** **Spill Number: 0705632** **Close Date:**
1829 JEROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 371 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CHRIS BOYLE - BRADFORD SWETT MANGAMENT Spiller Phone: (212) 772-7550
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: hrpatel Contact for more spill info: CHRIS BOYLE Contact Person Phone: (212) 772-7550

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/16/2007		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

NOT YET CLEANED; FOUND AS PART OF SITE INVESTIGATION; HISTORICAL RELEASE;

DEC Investigator Remarks:

08/30/07-Hiralkumar Patel. spoke with Mr. Reid at LCS. during site assessment they found contamiantion around anamoly they found during GPR survey. Mr. Reid will send copy of Phase I report. also asked Mr. Reid to send sample analyticals with site map, including sampling locations, once he gets it.

spoke with Mr. Boyle, property owner. he mentioned that site has auto repair shop for last 10 years. Mr. Boyle mentioned that investigation work done as part of refinancing.

property owner:
Christopher Boyle
Munger Mountain Partnership L.P.
1536 3rd Avenue
New York, NY 10028
Ph. (212) 772-7550
Fax (212) 249-0029
email: bradfordswett@yahoo.com

Douglas Reid
LCS Inc.
Ph. (716) 845-6145
email: dreid@lenderconsulting.com

no PBS record.

09/05/07-Hiralkumar Patel. received email form Bryan Mayback (bmayback@lenderconsulting.com) from LCS with sample analytical data for four soil samples and site map with sampling locations. they took total of 11 soil samples. found VOC contamination in soil samples. sent email to Mr. Mayback requiring copy of phase I report and full investigation report.

received PHase I report. abstract:

- seven 55 gal used oil drums were noted in the trasmission repair area
- one 275 gal waste oil AST was noted in trasmission repair area
- noted a vent pipe, nature of this pipe is unknown, but may be associated with an UST
- certificate of occupancy indicates that a gasoline tank installation and standpipe system was approved by fire dept.
- pool of antifreeze was noted to be flowing into the floor drain within PR auto collision space <---------
- site use gas heating system
- floor drain were noted within the site that reportedly drain to sewer system
- subject site and an adjacent property are currently and historically been utilized as motor repair facility
- according to sanborn maps, subject site has had two 550 gal gasoline tanks in western portion from at least 1950 until at least 1996
- adjacent property uses of potential concern included the south adjacent structure which was listed as a garage on map dating from 1950 through 1996

09/14/07-Hiralkumar Patel. spoke with Doug. he has submitted investigation report to his client for review. once he gets ok from client, he will send report to DEC.

09/28/07-Hiralkumar Patel. received Phase II report. abstract:

- site is occupied and utilized by PR auto collision

- during Phase I, found suspect vent pipe along north end of structure
- suspect vent pipe was determined to likely have gone to AST
- two fill ports, noted within sidewalk, were traced and one anomaly was discovered, within the site. second fill port appeared to terminate to soils proximate to the anomaly
- 11 boreholes (BH1 through BH11) were completed proximate to the suspect UST area
- soil samples were collected from 4 boreholes and remaining got refusal
- soil samples were collected continuously from the ground surface until equipment refusal was encountered
- fill material consisting of silt, sand and gravel was encountered within each borehole to depths of approx. 5 ft bg. fill material was generally underlain by native soils including miscellaneous sand, silt and clay to depths of approx. 14.6 ft bgs
- found contamination in two soil samples

----------BH5-------BH8-----limit
Benzene----------448----------60
n-Propylbenzene----------32,100-----3,700
n-Butylbenzene----------11,700----10,000

sent letter to Mr. Boyle requiring soil/groundwater delineation and endpoint samples. letter emailed to Mr. Boyle and Mr. Reid.

10/31/07-Hiralkumar Patel. left message for Mr. Boyle. received call from Mr. Boyle. they haven't done any work yet. asked Mr. Boyle to provide schedule for work by end of Nov. 2, 2007.

11/01/07-Hiralkumar Patel. received call from Mr. Reid. they are in process of hiring contractor to remove tank and will remove contaminated soil at that time. Mr. Reid will call back (within two weeks) with schedule for excavation.

11/21/07-Hiralkumar Patel. received email from Mr. Reid. they just got access to site from tenant and will schedule work. Mr. Reid will send work schedule.

12/14/07-Hiralkumar Patel. received email from Mr. Reid. they have scheduled tank removal on Jan. 8, 2008.

01/07/08-Hiralkumar Patel. received email from Mr. Reid. tank removal has been rescheduled on Jan. 15, 2008.

Map Identification Number 4 **APT BUILDING** **Spill Number: 0612803** **Close Date:**
54 WEST 174TH ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1376 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: APT BUILDING Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: hrpatel Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/27/2007		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Caller reports spill in the basement of an apt building. Spill is contained. The tank failed. Callers company will be doing the cleanup. Leak was from a 4000 gallon tank.

DEC Investigator Remarks:

02/27/07-Hiralkumar Patel. received during yesterday night. spoke with Mr. Sefik Gunes, a building manager and Mr. Arseno, building super at night. site has 4000 gallon #4 oil tank. one end of tank is on leg and another is sitting on floor. Mr. Gunes mentioned that PTC did tank cleaning yesterday (02/26/07). as per Mr. Arseno, PTC put back 1200 gal oil after cleaning at around 7 pm and left site. Mr. Arseno went to boiler room at about 11 pm to turn off boiler and found oil on floor along wall between tank room and boiler room. he found oil inside tank room also along same wall. he notified his managment. at 11 pm he measured about 950 gal inside tank (use of 250 gal #4 oil in 4 hours). there are 54 residential units in building. while talking with Mr. Arseno at around 12:45 am, his wife checked oil level again and found 850 gal oil in it (loss of 100 gal from tank in about two hours even boiler was off). based on oil level data, asked Mr. Gunes to get cleanup crew right away to pump out remaining oil from tank.

PBS #: 2-216356 (incorrect oil info. site using #4 oil and PBS shows #2 oil)

Mr. Arseno, building super
(347) 231-5815

Sefik Gunes, building manager
174 LLC
c/o Chestnut Holdings Inc.
5676 Riverdale Avenue
Suite 307
Bronx, NY 10471
Ph. (718) 543-8200 (O)
(917) 612-8390 (C)
Fax (718) 543-8600

received call from Anthony J. Lara (Cell: 646-772-7180, Fax: 718-858-4268) from PTC. he sent out crew to start cleanup. asked Anthony to call back once his men reach at site.

received call from Chris (3 am) from site. he noticed oil seeping through wall betweeen tank and boiler room. they pumped out remaining oil from tank, about 600 gal (another 250 gal loss in two hours). did some initial cleanup.

visited site this morning. spoke with Mr. Arseno. noticed fresh product in boiler room. oil was continuously seeping throgh wall into boiler room. Mr. Arseno mentioned that PTC washed entire boiler room floor. found oil in two sumps in boiler room. as per Mr. Arseno, sumps were disconnected before PTC did any wash and no oil ever reached to these sumps before any cleanup. pumps are currently disconnected. no odors in basement. currently tank is empty and building is out of heat/hot water. PTC will install temp tanks today.

spoke with Anthony. he mentioned that this tank is about 30 years old and as he discussed with manager, tank hasn't been cleaned out in last 7 years. as per Anthony, owner took responsiblity of oil spill and he believes that tank might be leaking for long time prior to tank cleaning by PTC. PTC found hole in tank bottom after they pumped out tank after spill.

spoke with Mr. Gunes. he mentioned that current owner baught this property about 4-5 years ago and hadn't done any soil investigation at that time.

03/01/07-Hiralkumar Patel. sent out letter to Mr. Gunes requiring soil/groundwater delineation, detailed site plan with surrounding areas, soil endpoint samples and vapor barrier installation. letter faxed to Mr. Gunes and Anthony at PTC.

04/11/07-Hiralkumar Patel. received call from Anthony. they have removed oil and washed boiler room walls. sealed some cracks in boiler room wall and painted entire floor. Anthony requested site visit.

04/13/07-Hiralkumar Patel. received call from Mr. Gunes asking for site visit. he metioned that they have removed wall of tank room so can visit inside. explained Mr. Gunes that boiler room floor has been painted, as per Anthony, so no way to check any more oil coming into boiler room or not. asked him about soil/groundwater delineation as indicated in letter. he mentioned that tank room floor is thick solid concrete and he has pictures of floor showing no cracks. he believes that oil leaked from tank ran on floor to brick wall and through brick wall ran into boiler room. asked Mr. Gunes to drill hole in concrete floor in tank room, at lowest point near boiler room location where oil found seeping into boiler room, to find out thickness of concrete floor. with this drilling, he can also check soil under this floor. also asked Mr. Gunes to send information about elevation difference between tank room and boiler room. Mr. Gunes will call for site visit once he punch hole in concrete.

if tank room floor concrete is thick and if elevation difference is minimal, then it could possible that oil ran through brick wall into boiler room, as Mr. Gunes believes. if elevation difference is significant, it could happen that part of oil may have leaked on other side of wall, into soil under tank room floor.

04/19/07-Hiralkumar Patel. visited site on 04/18/07. found newly painted floor and wall in boiler room as well as in tank room. tank room wall at entrance was nocked down. tank is located inside slanted tank room. tank room has slope towards boiler room. tank end toward boiler room sitting on leg and tank end at entrance of tank room is sitting on concrete floor. found dark oil stain under tank at end where it touches ground.

spoke with Mr. Gunes and Anthony at PTC. asked Mr. Gunes to do borings in three locations:
- two inside boiler room along wall separating tank and boiler room, where oil seepage found originally.
- one inside tank room at tank end where it touches ground, either through tank bottom or close to tank end from outside.

as per Mr. Gunes, tank room and boiler room are at same elevation (no difference in floor level). asked Mr. Gunes to submit this information also in final closure report.

05/07/07-Hiralkumar Patel. spoke with Mr. Gunes. PTC is preparing final closure report and will submit soon.

05/31/07-Hiralkumar Patel. left message for Mr. Gunes.
07/24/07-Hiralkumar Patel. spoke with Mr. Gunes. he will call PTC for report.
07/25/07-Hiralkumar Patel. received message from Mr. Gunes. spoke with Mr. Gunes. he spoke with Anthony. Anthony has all paper work ready but as they have some payment conflicts, PTC is not releasing documents. asked Mr. Gunes to send report to DEC soon.

10/24/07-Hiralkumar Patel. left messsage for Mr. Gunes to submit a report.
10/29/07-Hiralkumar Patel. received message from Mr. Gunes. left message for Mr. Gunes. received call from Mr. Gunes. asked him to submit report by Nov. 9, 2007.
11/29/07-Hiralkumar Patel. left message for Mr. Gunes. received call from Mr. Gunes. he will submit report by Dec. 7, 2007.

12/14/07-Hiralkumar Patel. received report from Mark from PTC. old tank been removed from site and new AST has been installed. PTC collected soil samples from one foot depth in tank room and surveyed. found highest PID of 93.7 ppm in sample #2.

spoke with Mark at PTC. they took samples from tank room, but not in boiler room.

spoke with Mr. Gunes. he mentioned that old tank is closed-in-place and currently running on two 250 gal temporary tanks. also contractor did two borings inside tank room and three inside boiler room.

based on Mr. Gunes's information, found that PTC represented wrong information:
- as per PTC report, tank has been replaced, but tank is closed-in-place
- PTC report showing five borings inside tank room, but as tank is at location, no borings possible as showed in report.

12/18/07-Hiralkumar Patel. visited site. met Mr. Gunes. ConEd crew was working on site installing gas line. Mr. Gunes showed boring locations inside boiler room and tank room. three borings done in boiler room at wall seperating tank and boiler room and two borings done in tank room, on each side of tank where tank sitting on floor. asked Mr. Gunes to contact Anthony to submit correct report.

12/24/07-Hiralkumar Patel. received letter from Mr. Gunes stating that boiler room and tank room floor are at same elevation.

Map Identification Number 5 **1755 WEEKS AVE** **Spill Number: 0206509** **Close Date:**
1755 WEEKS AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2089 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	DAN	Spiller Phone:	(914) 694-4200
Notifier Type:	Other	Notifier Name:	MIKE MCCALLA	Notifier Phone:	
Caller Name:	RENE LEWIS	Caller Agency:	A L EASTMAN & SON	Caller Phone:	(718) 378-7000 ext. 2
DEC Investigator:	Needs Reassignment	Contact for more spill info:	DAN	Contact Person Phone:	(914) 694-4200

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/23/2002		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

tanks were cleaned on friday - contact person for apt. building called today to say they had oil coming from the tank - tank is leaking -

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
PM changed to S. Benjamin on 6/15/2005
3/6/2006 -Letter sent to AL Eastmond requesting information about tank repair/closure etc.
March 2006 - File transmitted to Region 2 for followup

ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 6 **MOBIL SERVICE STATION** **Spill Number: 0300047** **Close Date:**
1764 UNIVERSITY AV BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1142 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 1764 UNIVERSITY AVE
Revised zip code: 10453

Source of Spill: GASOLINE STATION
Notifier Type: Tank Tester
Caller Name: GERRY CASPER
DEC Investigator: BHDAVIDS

Spiller: STEVE KELLY - MOBIL
Notifier Name: RICH WEBER
Caller Agency: CROMPCO
Contact for more spill info: GERRY CASPER

Spiller Phone: (703) 846-5386
Notifier Phone: (610) 278-7203
Caller Phone: (610) 278-7203
Contact Person Phone: (610) 278-7203

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/01/2003		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
9	4000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

MANWAY LEAKING. NO RELEASE. REPLACING GASKET AND RETESTING.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
This spill case was reassigned from DEC (Sigona) to Rommel

on 02/10/2004.

4/2/03 TIPPLE SENT TTF LETTER(CURRENTLY IN DUTY DESK FILE)

9/6/05-Vought-See also spill #0506867 for detection of ethanol in groundwater samples.

Map Identification Number 7 **RENTAL MANAGEMENT ASSOCIA** **Spill Number: 0707458** **Close Date:**
1890 ANDREWS AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1262 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: 1890 S ANDREWS AVE
Revised zip code: 10453

Source of Spill: PRIVATE DWELLING Spiller: Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: jbvought Contact for more spill info: JOHN WADE Contact Person Phone: (631) 300-5446

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/06/2007		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	15.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL IS CONTAINED. TANK IN PROCESS OF BEING EMPTY. CLEANUP PENDING.

DEC Investigator Remarks:

10/09/07-Vought-Off hours responder. Vought spoke to Waide and tank is a 5000-gallon AST that has leak to secondary containment. Fuel seeped under secondary containment pit wall and impacted sump pit with fluid ejector. Tank was pumped dry and product was removed from sump pit and adsorbent pads were placed in clean sump pit. No odor complaints received to date. Tank will be replaced. DEC requires: 1)PBS registration 2)description of floor and sump impacted 3)fax number for wade 4)cc to Wade. Vought called Wade (631-567-6545 fax 631-567-9390) and site is an AST and bottom of tank is visible however Wade was not able to

determine condition of concrete under tank due to pads and speedy dry. AB disconnected sump pump at time of spill. AB performed cleanup but has not been contracted for tank replacement and or possible soil cleanup. Owners contact info is:

rental management associates
Phil Shaw
Beth 718-538-5000
fax 718-538-2407

Vought called Rental Management Associates (RMA) and spoke Hannah Shaw and owners address is:

Phillip Shaw
Rental and Management Associates
215 E164th Street
Bronx, NY 10456
Attn: Hannah Shaw
Fax: (718) 538-2407

Vought discussed above requirements and sent out letter with one month due date and requirements.

ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 8 **APARTMENT BUILDING** **Spill Number: 0700945** **Close Date:**
60 EAST 177TH ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1043 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: BARBARA- APT. 1A - APARTMENT BUILDING Spiller Phone: (718) 731-5303
Notifier Type: Local Agency Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: rmpiper Contact for more spill info: BARBARA- APT. 1A Contact Person Phone: (718) 731-5303

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/23/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

THICK BLACK OIL HAS SPILLED FROM THE BOILER AND ACCUMULATED IN THE BACK OF THE BUILDING; HAS NOT BEEN CLEANED;

DEC Investigator Remarks:

2526 Valentine LLC
PO Box 231027
Great Neck, NY 11023

The name on the deed as per property shark is Victor Solomon.

Spill is due to boiler failure. Oil placed in 5 gal buckets outside where water has displaced. The tank is unregistered and the case has been forwarded to Krimgold/ Conlon.

Map Identification Number 9 **SERVICE BOX 18893** **Spill Number: 0001618** **Close Date:**
JEROME AVE/E TREMONT AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1101 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNKNOWN - UNKNOWN Spiller Phone:
Notifier Type: Responsible Party Notifier Name: MS CANNER Notifier Phone: (212) 580-6763
Caller Name: TED ROBICHAUD Caller Agency: CON ED Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE Contact for more spill info: CALLER Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/09/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

UNK OIL ON SOIL IN SERVICE BOX - CLEANUP PENDING LAB RESULTS #131294

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 10 **MANHOLE 403** **Spill Number: 0209047** **Close Date:**
DAVIDSON AV/174TH ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1423 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: DAVIDSON AV / W 174TH ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: SEAN MCKEEVER
DEC Investigator: JHOCONNE
Spiller: UNKNWON
Notifier Name:
Caller Agency: CON EDISON
Contact for more spill info: SEAN MCKEEVER
Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	4.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

4 gals unk oil mixed with sand and debris - confined to manhole

con ed 146226

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
Con Ed e2mis #146226:

03-Decemver-2002 13:24 Hrs

Flush Mechanic Tom Brown, 44432, reports while flushing debris from TM403 after a 500 Kva network transformer was removed for replacement due to an internal fault at the corner of Davidson Avenue and 174th Street, Bronx, finding approxmately 4 gallons of an unknown oil mixed into the flush debris contained in the manhole. No fire or smoke is/was involved. No sewers, waterways, or private property affected. No injuries involved. Sample being taken for analysis. Environmental tag 29838 applied. Some oily debris was sucked into Flush truck 60588 before the oil was observed and the truck will be quaranteened until lab sample is processed in case oil contains hazardous levels of PCBs. Chem Lab reports lab sample may take longer than 24 hours to process because oil needs to be extracted from soil. Cleanup will be performed pending lab results, and spill will be tracked as a reportable spill because lab results may take longer than 24 hours to process.

Map Identification Number 11 **FORMER GAS STATION** **Spill Number: 0501131** **Close Date:**
1990 JEROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1446 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: MR. FRANK DELEONARDIS - FORMER GAS STATION
Spiller Phone:
Notifier Type: Other
Notifier Name: STEPAHNIE SALVELINA
Notifier Phone: (212) 922-0077
Caller Name: STEPAHNIE SALVELINA
Caller Agency: WARREN & TANZER PC
Caller Phone: (212) 922-0077
DEC Investigator: AXDORONO
Contact for more spill info: MR. FRANK DELEONARDIS
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/27/2005		OTHER	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

WHILE TESTING SOILS FOUND OLD GAS, WAS A FORMER STATION AND NOW A CONSTRUCTION SITE:

DEC Investigator Remarks:

4/27/2005 - Sangesland spoke to Stephanie Salvelina at consultant "Warren & Tanzer"
She said the site was a gas station from 1940-1980. In 1980 the NYFD ordered 4 tanks to be abandoned/closed. Consultant is now digging on the site, in preparation of building residential housing, and found gasoline contaminated soil. At least 2 of the tanks have NOT been properly abandoned or filled. Unknown what the owner will be doing for remediation.

Contaminated Soil Letter sent to owner (name from consultant)
Mr. Frank DeLeonardis
15 Laural Ave.
Mt. Vernon, NY 10552 - SS

5/19/05 - North East Environmental, Joe called and left a message that he is preparing site investigation, would like a call back at 914-777-1930. Assigned to Imdadul Islam. - KST

6/8/05- Joe informed over tel. that four USTs have been removed from the site by excavating a 20'*25' area approx. 15' deep. No GW encountered. Approx. 200 tons of contaminated soil has been removed and stockpiled for disposal. In addition to end-point soil samples and a composite sample from the stockpile, three borings for soil & GW samplings in and around the tank grave have been advised and the results along with boring logs be submitted with the tank closure report.- II

8/16/05- Left message for Joe (contractor) at N-E Envtl. about the submission of the tank closure and SI report. Also, spoke to Mr. Chat Bijoor of consultant "Warren & Tanzer". He is supposed to get back to me with the latest information on this spill case asap.- II

8/24/05- Warren & Tanzer is no more involved on the project. NE Envtl. submitted a Tank Closure Report dt. Aug. 22/05. Four gasoline USTs were removed from the site and exceedances of some VOC levels were observed in two soil samples from the west and north wall of the tank grave. A site visit was made today and met Joe of NE Envtl. and the owner at the property. Today mailed a letter requiring three soil borings and both soil and GW samplings. The Investigation Summary report is due by the end of Sept./05. Also, requested for a copy of the phase II investigation report for the site. -II

9/30/05- Received and reviewed the Phase II investigation report for the site, as wanted. It reveals that soil at a depth of 6'to 10'bgs (boring B-1 & B-2)at the location of the historical gas station has impacted with VOCs. Awaiting the results of the additional soil and GW investigation as outlined above.- II

11/28/05- Reviewed the SIR dt. Sept. 8/05 submitted by NE Envtl. The data and the report reveal that both soil and GW at the site particularly at the north-northwestern area adjacent to the Jerome Avenue side have been impacted (soil- TVOC approx 100,000 ppb: GW- TVOC 131 ppb). Wrote a letter to consultant cc'd to RP to delineate the contamination completely with installation of 3 monitoring wells, establish GW flow direction and a pragmatic RAP including monitoring plan. - II

02/03/06: This spill transferred from Imdad to Q.Abidi.
Reviewed report dt. Jan.10,2006. At least Warren & Panzer has to take one sample at groundwater interface plus any other contamination, soil samples at the interval of highest contamination based on PID screening. To remove VOC from the groundwater by utilizing in-situ methods such as soil vapor extraction. This is for soil samples not for groundwater samples.- QA

02/22/06: Sent E-mail to Warren & Panzer, the body of which is seen below:
"The work plan you sent states that a soil sample will only be collected from the most contaminated interval during well installation. This is contrary to the Department's usual soil sampling protocol, which requires that a sample be collected from the interval with the greatest indications of contamination, and that another sample be collected at the water table. If no field indications of contamination are encountered, then a sample should be collected at the water table. Also, the plan says that VOCs will be removed from groundwater by utilizing "in situ methods such as soil vapor extraction", however, this approach does not remove VOCs from groundwater. This should be clarified. The work plan is not approved. Please revise and re-submit the plan." - QA

04/17/06: Discussed with Mr. Chat Bijoor of Warren & Panzer need for delineation by additional wells. Warren & Panzer will submit plan for installation of additional wells in two weeks. - QA

04/26/06: On date 04/25/06 during conversation on phone with Mr. Chet Bijoor phone # (212)922-0077, Jon Kolleeny instructed that they install two permanent monitoring wells. The wells should be surveyed to find out groundwater flow direction, and Warren & Panzer should be ready to install additional wells if necessary soil sampling will be done during well installation. - QA

4/28/06 - JK: Emailed and mailed Sidewalk Permit Letter to Chet Bijoor of Warren & Panzer, to help them obtain NYCDOT approval to install 1 on-site and 1 off-site well in sidewalks in front of and across from the site. - J. Kolleeny

5/08/06: JK and QA visited site to observe installation of wells. First well (MW-4) in sidewalk along Jerome Ave, south of MW-3, had high soil contam, PID up to 1500 ppm; depth to water about 12 feet. Next drilling location also had high soil contam at GW

interface, so they moved further down sidewalk to south, put in well MW-6 and found only slight contam (~6 ppm on PID) at water table. Also put in well across the street (MW-5), to west-southwest of MW-4, soil appeared to be clean. - J. Kolleeny

6/6/06: Received email from Chet Bijoor of Warren & Panzer with attached preliminary soil & GW results of additional site investigation. Results show soil contamination in MW-4 and TW-1 (to south of MW-4); serious GW contam. in MW-3 & MW-4, moderate in MW-2 and TW-1, wells MW-5 and MW-6 had minor exceedances for xylenes (both) and ethylbenzene (MW-5); MW-1 and MW-7 (to east and southeast of tank pit, resp.) were non-detect. GW flow direction is to southwest, curving more southward down Jerome Ave. with distance. - J. Kolleeny

6/8/06: This spill case transferred from Q. Abidi to J. Kolleeny. Spoke with Chet Bijoor of W&P, discussed incorporating remedial system in planned building design. He wants to do SVE and avoid having to discharge water, I suggested DPE, and also noted that MW-7 was not put in near boring IG as I requested, to delineate free product detected in MW-3. I suggested doing an SVE pilot test to see concentrations of vapors recovered to see what kind of treatment is needed, and determine radius of influence; Chet suggested they could put in well by boring IG as part of pilot test. I also told him to submit a formal report summarizing the investigation results and recommending remedial action, and put together a draft Remedial Action Plan. - JK

07/25/06: Reviewed Supplemental Phase II Site Investigation Report dated June 29, 2006, submitted by Warrent & Panzer and received July 5th. Report concludes there is serious soil and groundwater contamination on site, with groundwater plume extending off-site to south-southwest along Jerome Ave. (Smear zone of soil contamination at water table accompanies plume.) Report recommends performing a pilot study to evaluate suitable remedial technologies at site. Also reviewed "Proposal for Conducting Pilot Study to Select a Remedial System to Address Contaminant Plume at..." also dated June 29th and received July 5th. Proposal involves using a mobile Enhanced Fluid Recovery (EFR) system, utilizing an internal combustion engine followed by catalytic converter to burn off and polish recovered vapors. A new 4" well will be installed in area of severe soil contamination at boring IG, which I requested earlier, and vacuum will be applied and measured in nearby monitoring wells. Spoke with Chet Bijoor of W&P, who says they hope to use this mobile unit to perform a number of EFR events as an interim measure to bring down high contaminant levels, so that if later a groundwater recovery system must be installed, groundwater may not need much treatment to meet DEP sewer discharge requirements. I told Chet that proposal needs more details and a diagram. Met with Chet on Monday July 24, 2006, to discuss this. I asked that pilot test plan include greater detail about duration of test, wells that will be involved, and sampling of untreated recovered vapors and extracted groundwater, and that a diagram be added to show where new well will be installed and which monitoring wells will be involved in pilot test. I sent Chet an email on 7/25/06 asking for electronic version of Supp. Phase II, and of Pilot Study proposal once requested revisions are made. - J. Kolleeny

07/27/06: Received revised Pilot Study Work Plan from Chet Bijoor of W&P on 7/26/07, with more details about the pilot test, collection of vapor influent sample for TO-15 analysis, revised diagram showing new well location to be installed at boring IG, and supplemental information about the mobile EFR unit, as I had requested. Also received electronic version of W&P's Supplemental Phase II Site Investigation report (now dated July 24, 2006). Issued an approval letter for the pilot study work plan to the RP, Frank DeLeonardis, by regular mail (he apparently doesnt have email), and copied Chet Bijoor of W&P by email. - J. Kolleeny

08/15/06: DEC staff (Qasim Abidi and Stephen Kraszewski) visited site to observe installation of 4-inch pilot test well, for use with mobile EFR unit. During well installation, soil with PID readings up to 220 ppm was encountered. Groundwater from the well will be sampled prior to performing the pilot test. - J. Kolleeny

02/02/07: Reviewed Pilot Study Report by Warren & Panzer, dated Oct. 19, 2006. Report present results of mobile EFR unit pilot

test, noting that groundwater samples collected after test did not show any noticeable reduction in dissolved-phase contaminant levels. W&P therefore proposed additional excavation of petroleum-contaminated soil and installation of groundwater recovery and treatment system consisting of 3 extraction wells and a GAC unit to treat recovered GW; treated water would be discharged to NYC sewer system. Spoke with Chet Bijoor of W&P about plan, he said RP wants to combine remedial action (soil excavation & system installation) with site development, as he plans to construct a building that might be used as a school. I recommended installation of a vapor barrier (Chet said they already planned on that) and a sub-slab depressurization system (Chet said he would check with RP and architect). I said remedial plan seemed reasonable, but that a full round of groundwater samples should be collected from all on- and off-site wells to confirm that groundwater conditions are consistent with the remedial design, before final approval of plan. I sent an email to that effect on 2/2/07, and asked for electronic version of Pilot Study Report. - J. Kolleeny

03/01/07: Received phone call from Bryan Shaw of Warren & Panzer, said he will forward my email request for round of GW sampling to site owner and get moving on that, and asked if I needed an electronic version of Pilot Study Report. I said yes, he sent report by email (in eDocs). He said there was some delay in project caused by construction contractor backing out, since system installation will be coordinated with site development. - J. Kolleeny

03/07/07: Spoke with Chet Bijoor of Warren & Panzer who said he felt another round of GW sampling was not warranted, as data were less than a year old. In support, he emailed me table with comprehensive GW data showing most wells were last sampled in Sept. '06 (in eDocs). He also said there was no plan for sub-slab depressurization system. I said considering well MW-8 had significant amount of benzene (140 ppb) when last sampled and planned use of site is as school, I'm not comfortable with just building over that area and having no way to monitor GW contamination which may pose vapor intrusion concern. He argued that contaminated soil would be excavated down to water table in that area, and extraction wells in sidewalk would be capturing contaminated GW from that area. I said I would have to think about it and continue reviewing data. - J. Kolleeny

06/22/07: Received phone call on 6/20/07 from Jill Haimson of Preferred Environmental, who has taken over project from Warren & Panzer. She said owner has agreed to install a sub-slab depressurization system as I had suggested, and in light of that she requested holding off on additional groundwater monitoring until after remediation is performed. She sent an email to that effect: "As per our conversation, this email notifies you that property owner Frank DeLeonardis has retained Preferred Environmental Services (Preferred) and P.W. Grosser Consulting Engineers (PWG) to finalize remedial approach for above spill, in addition to providing oversight of redevelopment activities. We are continuing work flow previously proposed by Warren & Panzer Engineers (WPE). As per requirements set forth in most recent telephone correspondence between NYSDEC and WPE, property owner has agreed to install an active sub slab depressurization system (SSDS) in addition to a vapor barrier. PWG has been contracted to design system and is currently coordinating with project architect. We anticipate a 3-4 week turnaround on design of system for submittal for NYSDEC/NYSDOH review. We respectfully request that any additional site or groundwater monitoring be performed after remedial efforts and will reinstall any damaged monitoring wells at that time. As we further discussed, PWG will be performing a limited technical review of previously proposed groundwater remediation plan (by WPE) to evaluate effectiveness of this technology. If changes need to be made, we will resubmit a remedial approach for NYSDEC consideration. Either way, extraction wells were to be placed exterior to building footprint, so construction will not diminish ability to proceed with any groundwater treatment that may be required. At your suggestion, we will evaluate effectiveness of direct in-situ groundwater treatment via chemical oxidation or some other means of enhancing biodegradation of residual petroleum in groundwater at time of open excavation. In summary, in consideration of above, we respectfully request that NYSDEC provide us with an update as to what aspects of Remedial Action Plan (e.g., soil removal, etc.) can be approved for immediate implementation. Contractor has building permit and is anxious to get started."

On 6/22/07, I emailed reply: "Regarding request to hold off on additional groundwater monitoring until after remedial actions: Although it's standard to collect a round of samples prior to remediation to serve as a baseline, in recognition of fact that property owner is willing to install an active sub-slab depressurization system as NYSDEC had requested, I'm willing to waive requirement for pre-remediation baseline groundwater sampling. As for which aspects of remedial plan can be approved at this point, I would rather not approve a remedial plan in piecemeal fashion, with portions of one consultant's recommendations and portions of another consultant's proposals. I suggest that once Preferred and PWG have completed their technical review of Warren & Panzer's remedial plan and their evaluation of my suggestions regarding combining in-situ chemical oxidation or similar treatment with planned soil excavation, a comprehensive Remedial Action Plan should be prepared and submitted which states clearly what you are proposing for site, in considerable detail and with various contingencies spelled out. In other words, RAP should state dimensions of area that will be excavated, whether or not dewatering will be performed, and if you are proposing chemical oxidation or ORC, what quantities of substances will be applied to excavation. RAP should explain which wells will be monitored after excavation/redevelopment are complete and for which parameters, whether or not you anticipate having to replace certain wells or install additional wells to adequately monitor on- and off-site groundwater impacts and remedial progress, whether or not you are proposing to install and operate a groundwater extraction & treatment system as W&P had suggested, or what conditions would warrant installation of such a system, with details of system design and layout, discharges from system, etc. Please let me know if this approach seems reasonable to you, or if you have any questions about anything I've written." - J. Kolleeny

6/25/07: Jill Haimson replied to my 6/22/07 email: "I will approach client regarding preparation of comprehensive Remedial Action Plan with all required details, subsequent to our review of prior proposed measures. In interim, as we discussed, we are going to proceed with preparatory work including installation of appropriate fencing and removal of former concrete slabs at Lots 10, 8 and 6. As we discussed, only Lot 14 had a prior suspect use (former gasoline station). A geophysical survey has been performed (by others) across entire property and no suspect features (e.g., buried tanks) were identified at Lots 10, 8 and 6. As agreed, we will have contractor stop work if any suspect conditions are encountered and we will respond immediately to ascertain site conditions and whether a spill is present. I will keep you informed as to our progress as well as a schedule for submittals." - JK

7/10/07: On 7/6/07, received update email from Jill Haimson of Preferred Envt'l: "(1) Client has agreed to and we are in process of preparation of comprehensive Remedial Action Plan (RAP) as you requested with all required details, subsequent our review of prior proposed measures. In interim, as we discussed, general contractor (GC) has proceeded with preparatory work which included installation of appropriate fencing and removal of former concrete slabs at Lots 10, 8 and 6. (2) There has been a lot of dumping on portion of property that had been formerly excavated on Lot 14; there's a sizeable hole, with groundwater at bottom. As mentioned, waste oil containers, tar, etc. and other garbage has been thrown on site, there are impacts to groundwater and property owner has been cited by sanitation department. While we are preparing detailed RAP, we ask permission to preferentially address removal of garbage in hole and pump out of any residual petroleum on groundwater. Waste material will be drummed or otherwise properly containerized and manifested for off-site disposal, and a Part 364 licensed vacuum truck will be used to remove and transport waste oil/mixed groundwater to an appropriate disposal/treatment facility. Any contaminated soil generated will be containerized or stockpiled (under plastic and covered) for later appropriate off-site transport and disposal. Preferred will provide oversight of these activities and will provide you with a description of activities, photographic log and manifests. Please advise us at your earliest opportunity." On 7/10/07, I sent email reply: "Your proposal to remove refuse (petroleum-contaminated and otherwise) and pump out standing water with residual petroleum from open excavation at site as interim remedial measures is approved. All petroleum-contaminated materials should be properly disposed of and documented. I understand that a comprehensive remedial plan to address on- and off-site subsurface petroleum contamination is currently being developed and will be submitted to DEC in near future." - J. Kolleeny

08/01/07: On 7/27/07, received electronic copy and on 7/31/07, received hard copy of Remedial Action Work Plan dated July 2007 prepared by Preferred Environmental Svcs. of Merrick NY (in eDocs). Will review. - J. Kolleeny

08/03/2007: This spill case was transferred to A Doronova. - AD

08/08/2007: Reviewed RAP dated July 2007 submitted by Preferred Env. Services. It proposes remedial excavation of contaminated soil during redevelopment of the site followed by collection of end-point soil samples, and application of chemical oxygent (REGEN-OX) during the remedial excavation. In addition, a vapor barrier and sub-slab venting system will be installed beneath the planned on-site building to prevent intrusion of any residual petroleum vapors. The work plan also proposes longer-term groundwater treatment by introduction of oxygen via diffusion probes, if necessary, based on groundwater monitoring data. The plan proposes to excavate cont. soil to the smear zone, where groundwater will be encountered, but it does not say if groundwater grab sample will be collected for sure, instead of bottom end-point soil samples in such case. Also, proposal of REGEN-OX application provides general information only and is not site specific. Post remedial site monitoring proposes only two follow-up monitoring rounds. AD

08/09/2007: Spoke to Ms. Haimson of PES regarding groundwater grab samples and Regen-Ox application. She promised to collect GW grab sample if GW will be encountered and said that she will submit additional documentation on Regen-Ox application prior to its implementing. AD

08/13/2007: Sent a letter to Mr. DeLeonardis (site owner)approving RAP with following requests:
- to submit additional documentation to clarify how the chemical oxidant will be applied to the smear zone prior to its implementation;
- if end-point soil samples cannot be collected from the bottom of the excavation, then a groundwater grab sample should be collected instead;
- post-remedial groundwater monitoring should be performed and reported quarterly for at least one year, based on results.
(copied this letter to J. Kolleeny - DEC; J. Haimson - PES; file). AD

09/06/2007: Received an email from Jill Haimson. They plan to start excavation and stockpiling the soil on September 12, 2007. She will call back with exact date. AD

09/12/2007: After ongoing phone correspondence with Jill Haimson regarding the site visit, scheduled it for September 14, 2007. AD

09/14/2007: Visited the site together with Jon Kolleeny. We arrived at the site at 10:10 AM. Jill Haimson was at the site. They already started excavation day before, on September 12, 2007. Strong gasoline odor was present around excavation area. PID readings were ranged from ND to 389 ppm in the vicinity of MW-02. Asked consultant if they had any complains regarding odors. No groundwater was encountered during excavation, although they were expecting to hit it at 9-10 feet bgs. They started to deepen the pit close to MW-03 in order to encounter GW to collect GW grab sample. It was successful. J. Haimson collected the GW grab samples. She told us, that next week they will collect end-point samples and then apply RegenOx to the excavation pit. AD

09/19/2007: Visited the site to observe collection of end-point soil samples and groundwater sampling. Ms. Haimsom told me, that they encountered contaminated soil deeper than was expected. PES were digging test pits 15-20 feet bgs. PID readings from test pits range till 645 ppm. No GW was encountered in these test pits. Very strong odor around excavation pit. PES is planning to excavate deeper to remove contaminated soil. Because final depth of the excavation was not decided yet, only sidewall soil

samples were collected during my visit. Due to discovered deeper contamination, application of RegenOx is postponed. Jill Haimson will contact me when they will be ready to apply oxidant. AD

10/03/2007: DEC was contacted by the Fire Department, who were on-site responding to vapor complaints from tenants of a nearby apartment building. J. Kolleeny and I went to the site and instructed the consultant to stop work, cover the contaminated soil pile with plastic sheeting, and apply clean soil over the exposed contaminated soil and groundwater in the excavation. We also asked the consultant to monitor indoor air at various locations in the apartment building with a PID and submit a log of the readings. AD

10/05/2007: Received an email from David Khan(project geologist) stating that they resumed excavation work at the site, using a foam-dispensing truck to suppress vapors. The excavation work was completed without further odor complaints from neighbors, and PID monitoring inside the apartment building did not detect any VOCs. AD

10/09/2007: Received a call from David Khan of PES. He asked for permission to backfill excavation pit. All required end point soil samples were collected, chemical oxidant was applied to the excavation. Asked him to take pictures of excavation pit prior to backfill. Spoke with J. Kolleeny and approved backfilling of the excavation. AD

01/09/2008: Called and left a message for J. Haimson regarding submission of a summary report. AD

Map Identification Number 12 **CHRISTIE RESIDENCE** **Spill Number: 9805774** **Close Date:**
145 W.179TH ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2054 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Local Agency Notifier Name: CITIZEN Notifier Phone:
Caller Name: ANTHONY HENRY Caller Agency: NYC DEP Caller Phone: (718) 595-4766
DEC Investigator: KSTANG Contact for more spill info: MR CHRISTIE Contact Person Phone: (718) 731-4014

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/07/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

oil from an unknown source appeared in basement of residence - no cleanup begun.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"

06/16/06: This spill is transferred from Mike Mulqueen to Mr. Koon Tang.

Map Identification Number 13 **SEDGWICK AVE PURS** **Spill Number: 0202997** **Close Date:**
1823 SEDGWICK AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 2087 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: ANDREW MORRIS
DEC Investigator: JHOCONNE
Spiller: CON EDISON
Notifier Name: KRISTINE KOHLER
Caller Agency: CON EDISON
Contact for more spill info: CALLER
Spiller Phone: (212) 580-6763
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/21/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

HISTORIC SPILL DISCOVERED AT ABOVE LOCATION. CON ED # 143486.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"

E2MIS NO. 143-486:

21-JUN-2002 @ 10:30Hrs.

Dave Mocera, Supervisor, reports during inspection, historic contamination was found at PURs unit M51 N /R1. The flooring consists of a removable metal plate over a sub floor. By visual inspection the surface layer underneath the sub floor appears to be stained/discolored. The quantity released is unknown, however the approximate size of contamination is anywhere between one to two feet at different locations in the unit, for reporting purposes the volume has been entered as -1 gallon. This plant is known to have a concrete moat. The substance is unknown, however it is likely to be identified as dielectric fluid. The source of contamination is unknown. The cause of contamination is

unknown. There is no active fire/smoke at this time. Release to sewer/waterway is not verified at this time. No private property has been affected. A station remediation plan will be prepared to determine the priority order for addressing this and other historic incidents as per SSO's letter to NYSDEC region II

dated February 20, 2002. Housekeeping and maintenance activities, as required, will be documented.

Map Identification Number 14 **SEDGWICK AVE PURS** **Spill Number: 0202993** **Close Date:**
1823 SEDGWICK AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 2087 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: ANDREW MORRIS
DEC Investigator: JHOCONNE

Spiller: CALLER - CON ED
Notifier Name:
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone: (212) 580-6763
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/21/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SIZE OF CONTAMINATION IS ONE TO TWO FEET. CON ED 143487

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
E2MIS NOTES 143487

21-JUN-2002 @ 10:40Hrs.

Dave Mocera, Supervisor, reports during inspection, historic contamination was found at PURs unit M51 S /R3. The flooring consists of a removable metal plate over a sub floor. By visual inspection the surface layer underneath the sub floor appears to be stained/discolored. The quantity released is unknown, however the approximate size of contamination is anywhere between one to two feet at different locations in the unit, for reporting purposes the volume has been entered as -1 gallon. This plant is known to have a concrete moat.

The substance is unknown, however it is likely to be identified as dielectric fluid. The source of contamination is unknown. The cause of contamination is unknown. There is no active fire/smoke at this time. Release to sewer/waterway is not verified at this time. No private property has been affected. A station remediation plan will be prepared to determine the priority order for addressing this and other historic incidents as per SSO's letter to NYSDEC region II dated February 20, 2002. Housekeeping and maintenance activities, as required, will be documented.

Map Identification Number 15 **BASEMENT** **Spill Number: 0711306** **Close Date:**
1761 UNDERCLIFF AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2227 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN Spiller: Spiller Phone:
Notifier Type: Citizen Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: SFRAHMAN Contact for more spill info: CARLA REID Contact Person Phone: (718) 294-9253

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/27/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALL CONTACT FOR FURTHER.

DEC Investigator Remarks:

01/28/08- I spoke with Carla Reid,she indicated that her oil technician discovered the underground line leaking, by passed the existing line and installed a new one.Old line needs to be excavated out to see if there is any contamination around.
Letter was sent asking to remove the contamination around the old line.(SR)

Map Identification Number 16 **NYCSCA - NEW SCHOOL SITE** **Spill Number: 0508302** **Close Date:**
1526-1532 INWOOD AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2623 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: AMY MONTANA
DEC Investigator: AXDORONO

Spiller: AMY MONTANA - COMMERCIAL SITE
Notifier Name: AMY MONTANA
Caller Agency: SHAW ENVIR/INFASTRUCTURE
Contact for more spill info: AMY MONTANA

Spiller Phone: (845) 492-3100
Notifier Phone: (845) 492-3100
Caller Phone: (845) 492-3100
Contact Person Phone: (845) 492-3100

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/12/2005		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

DURING SOIL SAMPLES FOUND CONTAMINATION

DEC Investigator Remarks:

10/12/05 - Raphael Ketani. I spoke to Amy Fontana of Shaw Environmental ((845) 492-3100) regarding the spill. The client is the City School Construction Authority. She said that the gasoline was discovered while doing soil borings at the site. She said that a phase 1 was done a couple of months ago and the phase 2 investigation plan was submitted to the Construction Authority just recently. However, no phase 2 work has taken place yet. Ms. Fontana said that Shaw did find some Sanborne Insurance maps which

showed 2 550 gal. tanks on site. However, when they did a ground penetrating radar survey of the area, they didn't find the tanks. I asked Ms. Fontana for a copy of the proposed phase 2 site investigation plan. She said that she would speak to her client and see whether one can be sent to the DEC.

12/21/05 - Raphael Ketani. I tried to call Ms. Fontana, but could only leave a voice mail message.

1/4/06 - Raphael Ketani. I spoke with Ms. Fontana. She said that the phase 2 investigation plan was sent to the City School Construction Authority in 11/05. I asked her to contact them and find out whether the plan is alright and when they will start.

1/5/06 - Raphael Ketani: Ms. Fontana called me and said that I should talk directly with Drew Lent of the NYCSCA (718) 752-5609. I called Mr. Lent and he said that 1526-1532 Inwood Ave. is actually part of a larger site composed of 10 other lots (the other lots have the Jerome Ave. address - spill #0412633). These lots are owned by the Settlement Housing Fund. However, he said, the spill is on the 1526-1532 lot. He said the spill is gasoline contaminated soil with analyses in the 10s of PPBs (up to about 67ppb) of various volatiles. Mr. Lent added that the investigation plan is done, but it is being reviewed by his "higher ups." As soon as it is approved, he will send me a copy. The plan for the site is a school and he said there would be some kind of vapor management system below the school.

08/31/06: This spill is transferred from Mr. Koon Tang to Q. Abidi.
Called Ms. Amy Fontana (Shaw Environmental) at (845)492-3100 and left message to call me back regarding information of spill. -QA

10/25/06: Called Ms. Amy Fontana (Shaw Environmental) regarding information of spill.
Ms. Fontana called me back she said first she will talk to client then she will call me back. -QA

04/18/07: Reviewed report which is sent by Shaw Environmental. Soil sample and groundwater sample is still contaminated. Called Ms. Fontana and asked about remedial work plan for this site. She said she will find out about it and then she will call me back. -QA

04/26/07: Called Amy Fontana (Shaw Environmental) regarding Remedial Plan she was not there, left message to call me back. -QA

08/27/07: Sent e-mail to Mr. Andrew Lent, that I have reviewed the Remedial Investigation Work Plan dated August 13, 2007 for the site, submitted by Shaw Environmental. In the report, groundwater flow direction is assumed without supporting data. The department requires installation of permanent groundwater monitoring wells to determine groundwater flow direction and for ongoing groundwater monitoring. Also, an additional permanent monitoring well should be installed near temporary well location GW-4, which had groundwater contamination when it was sampled. After addition of the above, submit a revised Remedial investigation work plan for approval. -QA

09/12/07: Reviewed revised Remedial Investigation Work Plan [in eDocs as report dated 9/4/07]. They will make three temporary wells and three permanent wells for soil and groundwater sampling. permanent wells will be used for future monitoring. I approved work plan and send letter to responsible party. Entered letter in e-Doc. -QA

10/12/07: Inspected site. Shaw Environmental started drilling at this site, borehole GW-12 drilled down to a depth of 30 ft' there is no odor in the soil PID reading is zero. only at the depth of 18 ft' PID reading is 1.2, water level struck at 18 ft'. They lowered the screen 17 ft' above the water level and rest to the down. They will make this permanent well for groundwater monitoring. -QA

11/08/07: Drew Lent of NYC School Construction Authority sent email with attached data tables, figures, boring logs and well logs from draft supplemental phase II investigation (in eDocs), in preparation for meeting with DEC on 11/9/07. Email stated: "Attached are laboratory data summary tables, logs and selected figures for Settlement Housing Fund K-12 Campus in preparation for tomorrow's meeting. Associated spill cases for this project are
04-12633, 05-08302, and 07-07535. Data for 04-12633 and 05-08302 spills have previously been submitted to DEC. Thank you in advance for meeting with SCA to discuss this important school and community center project." - J. Kolleeny

11/09/07: The meeting was conducted with School Construction Authority and SCA's consultant Shaw Environmental at the same date regarding spill. The area is still contaminated which was contaminated in the year 2005. SCA's consultant Shaw Environmental will prepare a brief work plan for additional investigation and submit to us in one or two weeks for approval. [Vadim Brevdo also requested any information SCA may have concerning citizen participation with this site. - JK] -QA

11/19/07: Drew Lent of SCA sent email with attached document that includes a work plan by Shaw Envt'l for additional site investigation, as discussed at 11/9/07 meeting, plus excerpts from SCA's State Envt'l Quality Review (SEQR) Negative Declaration and Environmental Assessment Form (in eDocs). Email stated: "Thank you for meeting with SCA and Shaw Envt'l regarding proposed Settlement Housing K-12 school and community center on Friday November 9th. Attached please find copy of letter and SEQR documentation requested at meeting. As indicated during meeting, Shaw is planning to start investigation on Monday, December 3rd. I will provide exact starting date early next week. If you have any questions regarding letter please do not hesitate to contact Kirk Babcock of Shaw Envt'l or myself." - J. Kolleeny

11/28/2007: This spill case was transferred to A. Doronova. Reviewed a submitted additional investigation work plan. The plan proposes installation of seven new monitoring wells and advancement of two soil borings to better delineate on and off site residual contamination. The proposed locations for soil borings and monitoring wells satisfy DEC requirements which were discussed at the meeting. Soil sampling depth intervals should be modified. AD

11/29/2007: Sent a letter to Ms. Lee Guterman with the work plan approval. Requested modifications for soil sampling depth intervals. (cc: J.Kolleeny-DEC; A.Lent-NYCSCA; A.Fontana-Shaw; K.Babcock-Shaw; file). AD

Same day: Received a call from A. Lent of NYCSCA. He was disagree with our modifications for soil sampling and asked me to explain such requirements. I told him that we would like them fully delineate soil contamination as well as groundwater contamination. Soil sampling from required intervals are necessary to learn the soil quality at the well boring locations. At the end it was agreed that NYCSCA will implement requirements regarding soil sampling. AD

11/30/2007: Received an email from L. Guterman of NYCSCA. It says that NYCSCA will start investigative activities on December 3, 2007. Asked J. Kolleeny about possible site visit on December 4, 2007. Will verify it with A. Lent. AD

12/03/2007: Received verification email from A. Lent. Sanjay Sharma (geologist of SHAW) will be at the site with a crew.

12/04/2007: Visited the site with J. Kolleeny to observe drilling activities. Split-spoon soil samples collected from the 5 7 and 7 9 foot intervals showed no field indications of contamination. Fieldwork will continue throughout the week. AD

02/01/2008; Spoke with Drew Lent of NYCSCA. He said that they completed site investigation and now they are preparing summary report. Also Mr. Lent asked for scheduling another meeting with DEC to disscus next course of actions for this site. Requested

submission of the summary report prior the meeting. Mr. Lent agreed to submit to us e-copies of labdata results and site diagram with locations of newly installed wells. AD

ACTIVE HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 17 **E. 176TH ST & JEROME AVE** **Spill Number: 9507800** **Close Date:**
E. 176TH ST & JEROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 572 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: E 176TH ST / JEROME AVE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: Spiller Phone:
Notifier Type: Local Agency Notifier Name: CON EDISON Notifier Phone: (212) 580-6763
Caller Name: OPER 121 Caller Agency: DEP Caller Phone: (718) 595-1914
DEC Investigator: JHOCONNE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/26/1995		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
NON PCB OIL	PETROLEUM	1.00	GALLONS	1.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTS CON EDISON WAS DOING WORK ON TRANSFORMER WHEN

TRANSFORMER OIL LEAKED - SPILL IS CONTAINED WITHIN TRANSFORMER

AND REPORT NO SPILLAGE ON GROUND

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

Map Identification Number 18 **SEDGWICK AVE PURS** **Spill Number: 0004627** **Close Date:**
SEDGWICK AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 2087 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 1823 SEDGWICK AV
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: CHARLIE MCCARTHY
DEC Investigator: JHOCONNE

Spiller: CALLER - CON ED
Notifier Name: CHARLIE MCCARTHY
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/17/2000		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSMISSION FLUID	PETROLEUM	600.00	GALLONS	600.00	GALLONS	SOIL

Caller Remarks:

ruptured disc 52s spilling fluid onto 200 gallons of water all was cleaned up. con ed #132425 non pcb oil cleaned up by all state

power vac co

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
NON-PCB OIL. CONTAINED IN MOTE. NO DRAINS OR SEWERS.

SEE ALSO SPILL # 0004011, 0004534.

Con Ed no. 132-425:

July 17, 2000 @ 19:05

Dave Mocera #99498 reports spill of 800 gallons of dielectric transmission feeder 345KV, located at Sedgwick Ave Public Utility Regulator Station. Cause of spill was a rUpture disk at the Cooling Plant Unit 52S. Mr. Mocera reports less than 1 PPM. Spill was investigated before calling in, spill was contained, Dan Shah

from EHS on location. Allstate Power Vactor performed cleanup.

Spoke with Mr. Mocera @ 22:50 cleanup was completed.

Correction - report should read: 600 gallons of dielectric transmission and 200 gallons of water.

T. Whipple--81477--9/4/00 - Cleanup completed 7/18/00 by 0700. All oil caught in facility OWS. Pumped out by Allstate Power Vac. Repairs to rupture disc made by ASM. This incident is now closed.

20-JUN-2002.

Dave Mocera, Supervisor, reports during inspection, historic contamination was found at PURs M52S unit / R4. The flooring consists of a removable metal plate over a sub floor. By visual inspection the surface layer underneath the sub floor appears to be stained/discolored. The quantity released is unknown,

however the approximate size of contamination is anywhere between one to three feet at different locations in the unit. This plant is known to have a concrete moat. The substance is unknown, however it is likely to be identified as dielectric fluid. The source of contamination is unknown. The cause of contamination is

unknown. A station remediation plan will be prepared to determine the priority order for addressing this and other historic incidents as per SSO's letter to NYSDEC region II dated February 20, 2002. Housekeeping and maintenance activities, as required, will be documented.

THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE SEARCH RADIUS FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
9912469	MH #8170	117 E 175TH ST	BRONX
0411986	TRANSFORMER #6	43-40 EAST 179TH STREET	BRONX
0109265	SEDGWICK AVE PURS	1823 SEDGWICK AV	BRONX
0506321	SUBSTATION	1823 SEGEWICK AVE	BRONX
0711056	FOUR GAL HYDRAULIC FROM BACKHOE	2069 AQUEDUCT AVENUE	BRONX
9712079	1563 WALTON AVENUE	1563 WALTON AVENUE	BRONX

CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 19 **MOUNT HOPE HOUSING COMPANY** **Spill Number: 0612967** **Close Date: 09/25/2007**
55 EAST 175TH STREET BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1036 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: GUNNAR FREDRICKSON - COMMERCIAL PROP-ERTY Spiller Phone: (718) 299-2051
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: jbvought Contact for more spill info: GUNNAR FREDRICKSON Contact Person Phone: (718) 299-2051

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/27/2007		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

5000 GALLON TANK HAD CONTAMINATED SOIL:

DEC Investigator Remarks:

Sharif spoke with Mr William Silveri @(212)221-7822, he told me that 5000 gallon tank has been removed and bottom excavation looked dirty.End point sample was taken, results will be sent to DEC Jeff Vought.

6/6/07-Vought-Received call from Gunnar Fridiksson (Mount Hope Housing Company 718-299-2051x14 cell 646-206-1857). Gunnar working

with remediation contractor (Ambient Group -Shawn Wallace will be sending in report for review by Vought).

06/27/07-Vought-Received call from Fridiksson who is looking for review of remedial action plan. Preliminary review of plan calls for excavation and dewatering but no mention made of endpoint sampling. Fridiksson will call DEC on 6/29 for update of review status and with more information on collection of endpoint samples.

07/02/07-Vought-Vought received call and spoke to Shawn Wallace (Ambient). Vought reviewed Request for NFA from Ambient Group dated 6/14/07. Site is vacant lot that is proposed to redeveloped with community center and residential housing. RAP submitted to NYCDEP. Two USTs onsite. Ambient requested No Further Action. Enclosed in report is Remedial Action Plan by TRC Environmental dated June 2005 that was submitted to DEP. Groundwater depth at 20' and proposed foundation is 10' below grade. RAP also includues provisions for PID monitoring during excavation, dust supression, management of dewatered groundwater. Copy of DEP Negative Declaration also submitted. Six soil borings installed and samples collected from 5-17'bg show: 996ppb sec-butylbenzene(SB5), 375ppb isopropyltoluene(SB5). Concentrations below TAGM 4046 RSCO's however SSDS still required for precaution. Soil excavation will be required for installation of basement. DEC requires: 1)vapor barrier 2)SSDS 3)endpoint sampling at foundation depth 4)PBS registration 5)notification upon reaching of limits of excavation. Wallace requested 30 day deadline. Letter should be addressed to:

Gunnar Fridiksson
Mount Hope Housing Company
2003-05 Walton Avenue
Bronx, NY 10453
Fax: (718) 299-5623

Vought sent letter with 30 day deadline to above address with cc to Wallace and DEP Wuthenow.

07/9/07-Vought-Received and reviewed site plan with proposed boring locations and groundwater analyticals. Soil borings were performed as part of 7/02/07 No Further Action request referred to above. "The current plan is to remove the top 8' of urban fill in area approximately 50'x50' measured from the southeast corner of the lot. This should put us near or slightly below the level of the foundation. At this point end-point samples will be taken. The groundwater is clean and the foundation depth for the new building will be approximately 10' feet below the sidewalk level. The ground surface on the lot is currently about 5-6' below sidewalk level thus we do not anticipate disturbing the soil below 10' of ground surface. At this level the soil is all loose urban fill with results below TAGM 4046 guidelines. Notification will be made to DEC for site excavation when limits of foundation are reached. Soil analyticals from six soil borings show no TAGM 4046 Soil cleanup Objectives. Requirements from above 7/2/07 entry still apply. This site address also listed as 1785 Walton.

08/09/07-Vought-Received call from and spoke to Wallace who inquired if SSDS would be needed under enitire footprint as per EPA Guidance. Vought required SSDS to be installed as per Guidance. During excavation, a six foot diameter tank (above 1100-gallons) was discovered. Unsure of soil contamination under UST. Layer of clay at 12' down with some discoloration and slight odor. DEC will receive one report with endpoint analyticals, SSDS plans and vapor barrier specs by 10/1/07. DEC will receive notification when limits of excavation are reached for possible site visit.

08/13/07-Vought-Spoke to Wallace and received email from Wallace with site plan and proposed SSDS system and Wallace inquiring if proposed SSDS is sufficient. Vought cannot give approval until excavation is complete (and true soil conditons are known). Vought called Wallace and required that he submit site plan with boring locations from 6/14/07 report. Site has to AOCs (one from tank

in sidewalk and other from new area discovered on 8/9/07). Vought required PBS registration and collection of endpoints before final approval can be given of SSDS and sent email with above and email also noted that further delineation may be required upon submission of endpoint samples from two AOCs.

08/20/07-Vought-Received site maps with boring locations via email from Wallace. DEC requires: 1)vapor barrier 2)SSDS 3)endpoint sampling at foundation depth 4)PBS registration. Attached to email was site plan with boring locations and endpoint sampling locations. Site plan has "area to be excavated for foundation, potentially impacted by tank (50'x50')."

08/23/07-Vought-Email request from Wallace for approval to begin construction of foundation and vapor barrier. "During the course of the excavation for footings on the east side, where the UST was located that precipitated this spill number, contaminated soil was removed. Samples from this pile did show some VOCs." DEC requires: 1)submission of VOC analyticals for endpoint samples. 1)subission of vapor barrier and SSDS specs including site plan 3)endpoint sampling at foundation depth for VOCs 4)PBS registration. Vought sent email of above requirements and requirement of formal report before approval for construction is given.

09/14/07-Vought-Received specifications of SSDS from Croxton Collaborative Architects PC (212-683-199) including negative pressure throughout entire sub-slab area, installation of vapor barrier and suction fan at roof. Vought also received plans for SSDS. Vought also received and reviewed NYSDEC Closure Report submitted by Ambient Group dated 8/30/07. Depth of endpoint samples was 38-40'bg. Report request No Further Action. Endpoint samples from initial tank removal only showed chrysene exceedences. Borings performed in June 2007 showed contamination at B1 (12'bg), B3(12'bg), B4(12'bg). B5(12'bg), B6(12'bg), B7(8'-12'bg). "The clay layer with odor resides at approximately elevation 38' and thus will not be disturbed during foundation excavation, except for areas of footings." Site plan shows collection of 21 endpoint samples, analytical results are for six soil borings. Soil analyticals show:360ppb n-butylbenzene(SB5 15-17'), 996ppb sec-butylbenzene(SB15 15-17'bg), 375ppb isopropylbenzene(SB5 15-17'bg)

DEC requires: 1)groundwater sample from sidewalk next to tank 2)placement of soil borings and endpoint samples results on SSDS plan 3)endpoint sample analytical submission before SSDS approval can be given 4)collection of soil samples from under former tank locations.

9/14/07-Vought-Called Eileen (Ambient) and Sean on vacation. Vought left message for Sean and also left message for Fredrickson with above requirements.

9/26/07-Vought-Teleconference with Sean Wallace, Keith Cleversy (Ambient) and Darron Hapa (architect). Groundwater sample was collected from adjacent to tank location and analyticals submitted in 8/30/07 Closure Report and show no TOGs 1.1 Groundwater Quality exceedences. Groundwater sample collected from topographically downgradient location. Endpoint samples were also placed on figure submitted in 8/30/07 Closure Report and sample analyticals also submitted for VOCs in same report. Soil analyticals show no TAGM 4046 Soil Quality Objective exceedences and these samples were also collected from bottom of UST excavations. Spill closed by Vought and No Further Action Letter sent by Vought.

Map Identification Number 20 **RE-MO HOLDING CORP** **Spill Number: 0002349** **Close Date: 02/27/2003**
110 EAST 177TH ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1410 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: ROSS YASGUR
DEC Investigator: TOMASELLO

Spiller: ROSS YASGUR - RE-MO HOLDING CORP
Notifier Name: AL EASTMAN & SONS
Caller Agency: RE-MO HOLDING CORP
Contact for more spill info: ROSS YASGUR

Spiller Phone: (718) 405-0505
Notifier Phone:
Caller Phone: (718) 405-0505
Contact Person Phone: (718) 405-0505

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/24/2000		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

BOTTOM OF TANK WAS LEAKING

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 21 **Spill Number: 9807803** **Close Date: 02/09/2004**
1777 GRAND CONCORSE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1412 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: 1777 GRAND CONCOURSE
Revised zip code: 10453

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: ANTHONY LAYRA
DEC Investigator: RWAUSTIN

Spiller: MARTIN SCHARFF - 1777 RELATY CORP
Notifier Name: MARTIN SCHARFF
Caller Agency: PETROLEUM TANK
Contact for more spill info: ANTHONY LAYRA

Spiller Phone: (516) 569-4119
Notifier Phone: (516) 569-4119
Caller Phone: (718) 624-4842
Contact Person Phone: (718) 624-4842

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/25/1998		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	30.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

CALLER RESPONDED TO ABOVE LOCATION FOR CLEAN UP OF ABOVE MATERIAL.

CLEAN UP CREW ON SCENE AND MOST OF MATERIAL EXPECTED TO BE

RECOVERED. NO CALL BACK REQUESTED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
2/9/04 - AUSTIN - SPLL INTO SEWER FROM OVER 5 YEARS AGO - CLOSED - ORIG. ASSIGNED TO ENGELHARDT - END

Map Identification Number 22 **ST MARGARET MARY RECTORY** **Spill Number: 9912520** **Close Date: 07/19/2006**
1914 MORRIS AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1467 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: BOB HAYMAN
DEC Investigator: JCGRATHW

Spiller: EDDIE DAVID - ST MARGARET MARY RECTORY
Notifier Name:
Caller Agency: RND SERVICES
Contact for more spill info: EDDIE DAVID

Spiller Phone: (718) 299-4233
Notifier Phone:
Caller Phone: (914) 682-8585
Contact Person Phone: (718) 299-4233

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/02/2000		TANK FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

1500 GAL UNDERGROUND TANK TOOK ON WATER AND DISPERSED OIL INTO SURROUNDING GROUND. EXCAVATION OF TANK TOP WILL BE UNDERWAY.

DEC Investigator Remarks:

6/14/06 - DEC Spill Lead changed to "GRATHWOL".

6/15/06 - Eddie David, listed as Superintendent on this spill report, has retired. Met with Manny Batista, Superintendent. Mr. Batista was very helpful during the inspection. Inspected petroleum tank. Tank in excellent condition, like new. No spill on floor of tank area. No petroleum odors. Explained to Mr. Batista that I needed invoice for tank repairs to close out the spill. I was provided a church bulletin and asked to call Father Arce on the 19th.

6/19/06 - Spoke with Father Arce and explained the procedure necessary to close this spill project. Fr. Arce will locate the invoice and FAX it to the Department.

7/18/06 - Invoice located and will be faxed to the Department. Spill will be closed upon receipt of this invoice.

7/19/06 - Invoice documenting petroleum tank clean up and cancelled check to pay for this work received from Fr. Arce today. Spill closed.

Map Identification Number 23 **1840 PHELAM PL/BX** **Spill Number: 9009970** **Close Date: 10/07/1992**
1840 PHELAM PLACE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1545 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 1840 PHELAN PLACE
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: CASSI MGNT CO | Spiller Phone:
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: BOB DECK | Caller Agency: PETRO TANK CLEANERS | Caller Phone: (718) 624-4842
DEC Investigator: BATTISTA | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/13/1990	10/07/1992	TANK FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

2.5K TANK FAILED PRESSURE TEST ON LINE, IN TANK LEAK IN VAULT, PETRO TANK CLEANERS TO CLEAN UP & RELINE TANK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 24 **1916 GRAND CONCOURSE/BX** **Spill Number: 8910174** **Close Date: 02/12/2003**
1916 GRAND CONCOURSE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2022 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: | Spiller Phone:
Notifier Type: Other | Notifier Name: | Notifier Phone:
Caller Name: TONY SIMONE | Caller Agency: A L EASTMOND | Caller Phone: (212) 378-3000
DEC Investigator: SULLIVAN | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/23/1990		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	500.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SEAM TO 5K TANK OPENED DURING DELIVERY OF FUEL, MAJORITY OF FUEL ON BASEMENT FLOOR, SMALL QUANTITY ON SIDEWALK, WILL USE VAC TRUCK TO PICKUP FREE PRODUCT & PUMP OUT TANK, APPLIED SPEEDY DRY.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 25 **2084 GRAND AVE/BX** **Spill Number: 9006668** **Close Date: 11/22/1996**
2084 GRAND AVENUE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2252 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: DOUGURT MNGT CO. Spiller Phone: (212) 231-2022
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: GARLAND MCARDLE Caller Agency: COASTAL OIL Caller Phone: (718) 746-2412
DEC Investigator: MCTIBBE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/17/1990		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	500.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL CONTAINED IN TANK ROOM.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

CLEANED BY RP.

Map Identification Number 26 **MAJOR DEEGAN EXPRESSWAY** **Spill Number: 9703316** **Close Date: 06/17/1997**
MAJOR DEEGAN EXPRESSWAY BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 2612 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL VEHICLE Spiller: Spiller Phone:
Notifier Type: Local Agency Notifier Name: OFFICE OF EMER. MNGT. Notifier Phone: (212) 374-5500
Caller Name: SABINE HERARD Caller Agency: DEP Caller Phone: (718) 595-6700
DEC Investigator: KSTANG Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/17/1997		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SADDLETANK RUPTURED - BEING CLEANED UP NOW - INTERSECTION OF 179TH ST

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
CLOSED, REFER TO 9703317.

CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 27 **SHIELD SCHOOL** **Spill Number: 8802473** **Close Date: 10/02/1992**
ANDREWS AV NYC, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 955 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 1800 ANDREWS AV S
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: AL RADH
DEC Investigator: BATTISTA
Spiller: SAME
Notifier Name:
Caller Agency: FENLEY & NICHOL
Contact for more spill info:
Spiller Phone: (718) 886-1534
Notifier Phone:
Caller Phone: (516) 586-4900
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
06/17/1988	10/02/1992	TANK TEST FAILURE	2-335452	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

5K TANK, L R = -0.37267 GPH

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 28 **1800 ANDREWS AV/BX/SHIELD** **Spill Number: 8800172** **Close Date: 10/02/1992**
1800 ANDREWS AVE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 955 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 1800 ANDREWS AVE S
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: SHIELD INSTITUTE Spiller Phone: (718) 886-1534
Notifier Type: Tank Tester Notifier Name: Notifier Phone:
Caller Name: SCOTT SCHUCK Caller Agency: FENLY AND NICHOL Caller Phone: (516) 586-4900
DEC Investigator: BATTISTA Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
04/06/1988	10/02/1992	TANK TEST FAILURE	2-335452	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

5K TANK SYSTEM FAILED HORNER EZY CHECK WITH A GROSS LEAK, WILL EXCAVATE, ISOLATE AND RETEST. CONTACT: SARAH HORNE (718)-886-1534.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 29 **1985 DAVIDSON AVENUE** **Spill Number: 0111936** **Close Date: 03/03/2003**
1985 DAVIDSON AVENUE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1105 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Tank Tester
Caller Name: RENE LEWIS
DEC Investigator: JBVOUGHT

Spiller: LARRY-APEX - 1985 DAVIDSON AVENUE
Notifier Name: ROBERT QUARTEZ
Caller Agency: A L EASTMAN & SON
Contact for more spill info: RENE LEWIS

Spiller Phone: (718) 220-4200
Notifier Phone: (718) 378-7000 ext. 2
Caller Phone: (718) 378-7000 ext. 2
Contact Person Phone: (917) 299-7257

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/19/2002		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	3000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TANK TEST FAILURE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
03/03/03-close spill.

Map Identification Number 30 **1764 UNIVERSITY AVE/BX** **Spill Number: 9009553** **Close Date: 01/08/1991**
1764 UNIVERSITY AVENUE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1142 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10453

Source of Spill: GASOLINE STATION Spiller: MOBIL Spiller Phone: (516) 239-0366
Notifier Type: Responsible Party Notifier Name: Notifier Phone:
Caller Name: SCOTT GOTTSCHALL Caller Agency: MOBIL OIL Caller Phone: (703) 849-5319
DEC Investigator: SULLIVAN Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/1990	01/08/1991	TANK TEST FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

LINE TEST, FAILED PETRO TITE, LEAK RATE -.016GPH, TO REPAIR & RETEST.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 31 **R. G. ORTIZ FUNERAL HOME** **Spill Number: 0509326** **Close Date: 12/28/2005**
60 EAST TREMONT AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1209 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 60 E TREMOUNT AVE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Tank Tester
Caller Name: ABRAHAM WEXLER
DEC Investigator: rvketani
Spiller: JOHN WHEAT - UNKNOWN RESIDENCE
Notifier Name: ABRAHAM WEXLER
Caller Agency: NYC TANK TEST
Contact for more spill info: JOHN WHEAT
Spiller Phone: (718) 293-0727
Notifier Phone: (718) 731-7011
Caller Phone: (718) 731-7011
Contact Person Phone: (718) 293-0727

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/03/2005		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	550	Horner EZ Check I or II	0.00	UNKNOWN
The following tank was deleted from the reported data. Data reflects last reported information.				
1	550	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

NO REMARKSS.

DEC Investigator Remarks:

Property owner as per Property Shark is:

R G Oritz Funeral Home
524 Southern Blvd
Bronx, NY 10455-4600

11/7/2005 Property is in the process of being sold and potential purchaser hired NYC Tank Test to test the tanks. Tank failed.

Nov. 7, 2005
A "Tank Test Failure Letter" was sent to:

Facilities Manager
R G Ortiz Funeral Home

524 Southern Blvd
Bonx, NY 10455-4600

11/21/05 - Raphael Ketani. Dan Florio ((718) 585-6200) of Ambassador Fuel called me up to say that he received the tank test failure letter from DEC, but that the site, the R G Ortiz Funeral Home, has been closed for 1 1/2 years with no tenants and no oil deliveries. Mr. Florio said that he and Mr. Ortiz, the owner of the property, would have had to have been notified that someone wanted to do a tank test in order to let them in as the door is chained and locked. He asked that I find out the true address of the place that was tank tested and send him a letter stating that the DEC letter was sent to the wrong address. Mr. Florio added that the tank is 1,080 gals., above ground, and hasn't had a delivery in 1 1/2 years as the building is unused. I told him I would contact NYC Tank Testing and find out where they really went to test a tank.

I called up NYC Tank Testing ((718) 731-7011) and asked for Mr. Wexler. The person on the other end said that on November 7, 2005 they did a tank test of a 550 tank. He told me that it was an old funeral home at 58-62 East Tremont Ave. in the Bronx. He said that the potential buyer let Mr. Wexler into the building for the tank test.

Mr. Wexler called me, by chance, and I spoke to him about the site. He said that the correct address is 60 East TREMONT. Mr. Wexler said that the leak was in the fill or vent pipe of the 550 gal. tank. I then called up Ambassador Fuel and told George that it was the potential buyer who let Mr. Wexler into the building and that the leak was in the fill or vent line. I told George to call NYC Tank Testing and work out what needs to be done to fix the pipes and check the soil under the tank. He said he would.

12/28/05 - Raphael Ketani. I spoke to Mr. Florio. He said that the tank passed after the vent line was replaced. He said there was only a little bit of staining on the wall where the vent line passed through and no staining on the floor or around the tank. He said he would send me a FAX of the passing tank test.

I received the FAX and I am closing the case.

1/17/06 - Dan of Ambassador Oil called saying that his customer, Michael Ortiz (owner of the property), wants an NFA letter to present to the new buyers of the property. I will send Mr. Ortiz the letter to the 524 Southern Blvd. address.

1/24/06 - Raphael Ketani. Brinne (bree-an) Lucyk of Davis Polk (law firm; (212) 450-4861) called to find out what was the basis for my closing the spill case. I told her it was the passing tank test.

1/25/06 - Raphael Ketani. Myles Mahoney (owner's lawyer) called to find out what the NFA letter represents. I told him that it is sent when a spill has been remediated to the satisfaction of the DEC. I told him that there really wasn't a spill, just a failed tank test which later passed.

Map Identification Number 32 **1775 GRAND CONCOURSE** **Spill Number: 9107637** **Close Date: 04/29/1994**
1775 GRAND CONCOURSE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1406 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: S SCHUCK
DEC Investigator: MCTIBBE

Spiller: NY TEL CO
Notifier Name:
Caller Agency: F & N
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (516) 586-4900
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/16/1991	04/29/1994	TANK TEST FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

E I & R - 15000K #2 DIESEL TANK - REFER TO SPILL #94-01422.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
TRANSFERED FROM TANG TO TIBBE.

REFER TO 94-01422.

SEE ALSO 91-06469 & 93-03638.

Map Identification Number 33 **PS 104 ANNEX BLDG** **Spill Number: 0505563** **Close Date: 05/10/2006**
108 WEST 174 BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2023 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 108 W 174TH ST
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Tank Tester
Caller Name: CHRIS GORGA
DEC Investigator: HRPATEL

Spiller: CHRIS GORGA - PRIVATE RSIDENCE
Notifier Name: CHRIS GORGA
Caller Agency: PETROLEUM TANK CLEANERS
Contact for more spill info: CHRIS GORGA

Spiller Phone: (646) 772-1404
Notifier Phone: (646) 772-1404
Caller Phone: (646) 772-1404
Contact Person Phone: (646) 772-1404

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/05/2005		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	2500	Horner EZ Check I or II	0.00	UNKNOWN
The following tank was deleted from the reported data. Data reflects last reported information.				
1	2500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TESTED TANK ONLY:

DEC Investigator Remarks:

Sangesland spoke to Chris Gorga at PTC. He said the tank failed a "Tank Only Test" and will probably NOT be repaired. Owner needs to determine the next step.

TTF Ltr sent to PBS owner: PBS #2-605027

NYC Board of Education
Office of Building Services

28-11 Queens Plaza North
Long Island City, NY 11101

1/18/2005 JZ: Tank was removed in August 2005. Although it was indicated a dry leak on test report, subsurface investigation is definitely necessary.

1/9/2006 - JZ: As per Randy's direction, this spill is reassigned to Feroze.

03/15/06. Spill is transferred from Feroze to Kumer Patel.

04/27/06-Hiralkumar Patel. Tried numbers in PBS records. (718) 391-6000 is busy and (212) 477-9020 is out of service. Spoke to Chris and he asked me call back after 3:00 PM today, as he needs to look out in computer.
05/10/06-Hiralkumar Patel. spoke to operator at Petroleum. they have removed tank and installed new tank. old tank was in basement. Petroleum did this work for Abco Facilities (718-816-7575). Spoke with Donna at Abco facilities. as per Donna tank was AST and no oil stains on floor. no contamination around tank. told Donna to update PBS records, as records shows it is UST.

based on available information, case is closed.

Map Identification Number 34 **ST THOMAS LUTHERAN CHURCH** **Spill Number: 0103200** **Close Date: 07/12/2005**
222 E 178TH ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2315 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: PHIL FAZIN
DEC Investigator: TXSMITH

Spiller: ST THOMAS LUTHERAN CHURCH
Notifier Name: PHIL FAZIN
Caller Agency: CROWN LEAK DETECTION
Contact for more spill info: REV ERIC MATSEN

Spiller Phone:
Notifier Phone: (516) 939-2959
Caller Phone: (516) 939-2959
Contact Person Phone: (718) 583-8576

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/22/2001		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	2000	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

TANK TEST FAILURE NO SPILLAGE NO CALLBACK NECESSARY

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"

7/12/05 TAS
As stated in the remarks, tank test failure with no spillage and no callback necessary. Therefore the spill is closed.

Map Identification Number 35 **CLOSED-LACKOF RECENT INFO** **Spill Number: 9802018** **Close Date: 02/19/2003**
221 E. 173RD ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2481 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Responsible Party
Caller Name: JOHN LEDDY
DEC Investigator: ADMIN. CLOSED

Spiller: JERRY JONES - APARTMENT HOUSE
Notifier Name: A LOPEZ
Caller Agency: PROTEST ENTERPRISES
Contact for more spill info: JERRY JONES

Spiller Phone: (718) 731-7854
Notifier Phone: (516) 321-4670
Caller Phone: (516) 321-4670
Contact Person Phone: (718) 731-7854

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/15/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	5000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

tank test failure no spill unk further.

CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 36 **JONAS BRONCK HOUSING** **Spill Number: 9800639** **Close Date: 07/22/2005**
230 EAST 179TH STREET BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2482 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: JOHN LEDDY
DEC Investigator: JJDRUMM

Spiller: FATHER ERIC MATHSEN - JONAS BRONCK HOUSING
Notifier Name: ALBERTO LOPEZ
Caller Agency: PRO-TEST ENTERPRISES
Contact for more spill info: FATHER ERIC MATHSEN

Spiller Phone: (718) 922-5636
Notifier Phone: (516) 321-4670
Caller Phone: (516) 321-4670
Contact Person Phone: (718) 299-5636

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;HIGHLY IMPROBABLE

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/14/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	12000	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

TANK TO BE ISOLATED AND RETESTED.

DEC Investigator Remarks:

Spill assigned to James Drumm for SCI
caller should say PRO-TEST, not PROTEST

7/18/05
received results of passing tank test performed on 5/15/98

Map Identification Number 37 **CLOSED-LACKOF RECENT INFO** **Spill Number: 8708931** **Close Date: 03/13/2003**
230 EAST 179TH ST NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2482 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: OWNER(JONAS BRONCK HSG CO Spiller Phone: (212) 399-5636
Notifier Type: Tank Tester Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: ADMIN. CLOSED Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/29/1987		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

12K TANK SYSTEM FAILED TEST, AT PRESENT SUSPECT FUEL PIPE LEAK.

CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 38 **CLOSED-LACKOF RECENT INFO** **Spill Number: 8708460** **Close Date: 02/18/2003**
230 EAST 179TH ST NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2482 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: JOANAS BRONCK HOUSING Spiller Phone: (212) 299-5636
Notifier Type: Tank Tester Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: ADMIN. CLOSED Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/29/1987		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

12K TANK FAILED WITH A LEAK RATE OF -1.37GPH, TANK REPAIRED AFTER PUMPING TO FIND LEAK. CONTACT: FR. MATHESON (212) 299-5636.

CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 39 **1765 DAVISON AVE** **Spill Number: 9110836** **Close Date: 11/20/1995**
1765 DAVISON AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 508 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 1765 DAVIDSON AVE
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: INGO
DEC Investigator: SIGONA
Spiller:
Notifier Name:
Caller Agency: ABC TANK
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone: (718) 272-2800
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/17/1992		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	1000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CONTAINED IN TANK ROOM. 16:40 SPOKE W/ ABC - SAID NO FUEL IN STORM DRAINS, AND IS AWAITING INSTRUCTIONS FROM CALLER TO CLEAN UP.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

DEC SIGONA INSPECTED SPILL ON 11/20/95 FOUND THE SPILL TO BE PROPERLY CLEANED UP, AND CONCRETE SURFACES FREE OF ANY SIGNIFICANT OIL CONTAMINATION EXCEPT FOR SOME MINOR STAINING. THE FACILITY HAS A 4,000 GALLON ABOVEGROUND #4 FUEL OIL TANK. THE TANK HAD

SOME EXTERNAL CORROSION WITH SOME SCALING OF THE STEEL SHELL. TOLD PROSPECTIVE BUYER THOMAS J. METALLO-GREAT AMERICAN CONSTRUCTION CORP TO CONSIDER TANK CLEANING AND INTERNAL INSPECTION TO DETERMINE STRUCTURAL INTEGRITY OF THE TANK. THE FACILITY USED A WOOD PLANK TO ACCESS THE TOP OF THE TANK FOR GAUGE READINDS OR CEILING REPAIRS? THE PROPERTY IS IN TRANSITION BECAUSE PREVIOUS OWNER DEFAULTED ON LOAN TO CHASE MANHATTAN. LETTER SENT OUT TO THOMAS METALLO AT 629 FIFTH AVE, PELHAM, NY 10803 ON 11/20/95.

Map Identification Number 40 **MANHOLE #3888926** **Spill Number: 9811131** **Close Date: 12/07/1998**
177TH ST & JEROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 511 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 177TH ST / JEROME AVE
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: SAL FIUMERFREDDO - BELL ATLANTIC Spiller Phone: (718) 402-8533
Notifier Type: Other Notifier Name: LORETTA D'ANGELO Notifier Phone: (516) 379-1500
Caller Name: LORETTA D'ANGELO Caller Agency: MILRO ASSOCIATES Caller Phone: (516) 379-1500
DEC Investigator: MCTIBBE Contact for more spill info: SAL FIUMERFREDDO Contact Person Phone: (718) 402-8533

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/04/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SPILL CREW ON SITE FOR CLEANUP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
CLEANED BY BELL ATLANTIC.

Map Identification Number 41 **SERVICE BOX 16900** **Spill Number: 0307519** **Close Date: 12/04/2003**
JEROME AVE/WEST 176 ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 572 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: E 176TH ST / JEROME AVE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: RON ELLIOTT
DEC Investigator: AERODRIG

Spiller: UNKNOWN - UNKNOWN
Notifier Name: SAME
Caller Agency: CON EDISON
Contact for more spill info: RON ELLIOTT

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/16/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL UNK OIL ABOUT 1 PINT NOT RECOVERED AT THIS TIME

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
e2mis no. 150-770:

16-Oct.-2003 @ 12:05 hrs.

Q.A. Inspector Frank Bianca, #14829 was performing planning work when he found 2 gallons of sewage and 1 pint unknown oil in service box #16900. No sewers, waterways or private property affected. A sample was taken under chain of custody #DD06571. The clean up is pending sample results of the unknown oil and assignment of a contractor crew.

10/20/03 CLEAN UP COMPLETE. REMOVED 1/2 YD DEBRIS AND 100 GAL SOAP WATER FROM STRUCTURE. DOUBLE WASHED . NO SEWAGE IN SERVICE BOX.

10/21/03 NO VISIBLE SOURCE OF OIL COMING FROM STRUCTURE. SERVICE BOX HAS CEMENT FLOOR, NO SEWER CONNECTION AND NO VISIBLE SOURCE OF SEWAGE

AMD

Map Identification Number 42 **27 MOUNT HOPE PL** **Spill Number: 9707910** **Close Date: 10/06/1997**
27 MOUNT HOPE PL BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 716 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Local Agency
Caller Name: KEITH WILLIAMS
DEC Investigator: MCTIBBE

Spiller:
Notifier Name:
Caller Agency: DEP
Contact for more spill info: EMANUEL DUTZMER

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-4752
Contact Person Phone: (718) 731-3286

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/04/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SUBJ HAS CONTAMINATED SEWER WATER ENTERING THE RES -

UPON ARRIVAL RING THE BOTTOM BELL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
SEWER BREAK. PROBABLY A HOUSE CONTAMINATION. HANDLED BY DEP.

Map Identification Number 43 **SERVICE BOX 16891** **Spill Number: 0002003** **Close Date: 03/24/2004**
1745 JEROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 822 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Affected Persons | Notifier Name: | Notifier Phone:
Caller Name: BILL MURPHY | Caller Agency: CON EDISON | Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE | Contact for more spill info: CALLER | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/17/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 gallon on 10 gallons water. con ed 131442. saples to be taken.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131442:

1 gallon unknown oil on top of 10 gallons of water in service box 16891. Cleanup pending sample results.

Lab Sequence Number: 00-04863 PCB < 1 ppm

5/18/00 Flush operator J. Rohe reports that the clean up in service box # 16891 is complete. Corporate tanker removed an oily sheen, and approx. 50 gallons of water. The flush crew power washed the structure twice and the wash water was removed by the tanker.

Map Identification Number 44 **SERVICE BOX 11844** **Spill Number: 9900460** **Close Date: 06/11/2002**
1839 UNIVERSITY AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 852 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10453

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Affected Persons | Notifier Name: | Notifier Phone:
Caller Name: JOE DEVOTI | Caller Agency: CON EDISON | Caller Phone: (212) 580-6763
DEC Investigator: CAENGELH | Contact for more spill info: CALLER | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/13/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

1 gallon on 9 gallons water. con ed #124200

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
DEC INSPECTOR NOTES

5-13-99 E-Mailed ERTs for copy of E2MIS report.

CON ED E2MIS NOTES 5-13-99

Unknown oil found in SB-11844

Lab Sequence Number: 99-03780 Date Reported: 04/13/99

E2 Incident Number: 124200 Date Received: 04/13/99

Date Sampled: 04/13/99

Submitter: Fred Maiello

Description: WATER OIL-S/B#11844,UNIVERSITY ACE.: BRONX

OIL IDENTIFICATION ANALYSIS: SB 11844 - analysis indicates the sample is similar to a light fuel oil.

APRIL 13, 1999 BX I&A SERV FOUND APPROX 1 GAL OF OIL IN 9 GALLONS OF WATER. TAG #9699 WAS PLACED AND SAMPLE WAS TAKEN. THERE IS NO SUMP OR SEWER DRAIN. SO WE CAN ASSUME OIL & WATER ARE CONTAINED IN STRUCTURE. CLEAN-UP PENDING RESULTS.

Lab Sequence Number: 99-03777 Date Reported: 04/14/99

E2 Incident Number: 124200 Date Received: 04/13/99

Date Sampled: 04/13/99

Submitter: Fred Maiello

Description: OIL WATER-S/B 11844,1839 UNIVERSITY AVE;BRONX

PCB <1ppm.

Lab Sequence Number: 99-03846 Date Reported: 04/15/99

E2 Incident Number: 124200 Date Received: 04/14/99

Date Sampled: 04/14/99

Submitter: LARRY FISCHER

Description: WATER & OIL-S/B # 11844: OPP. 1839 UNIVERSITY AV

FLASHPOINT > 155 F

APRIL 15,1999

CLEANUP COMPLETED AT 13:20 HRS

Map Identification Number 45 **THREE GAL ANTIFREEZE IN SB 9677** **Spill Number: 0705954** **Close Date: 09/20/2007**
WALTON AVENUE & MT. HOPE PLACE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 917 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: WALTON AVE / MOUNT HOPE PL
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: CON EDISON | Spiller Phone:
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: gdbreen | Contact for more spill info: ERT DESK | Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/25/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CLEAN UP PENDING LAB RESULTS. CON ED REF 207723

DEC Investigator Remarks:

09/20/07 - See eDocs for Con Ed report detailing cleanup and closure.

207723. see eDocs

Map Identification Number 46 **Spill Number: 0207086** **Close Date: 10/23/2003**

1791 WALTON AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 959 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: VACANT PROPERTY | Spiller Phone:
Notifier Type: Local Agency | Notifier Name: NICK RECCHIA | Notifier Phone: (516) 746-4400
Caller Name: NICK RECCHIA | Caller Agency: EEA INC | Caller Phone: (516) 746-4400
DEC Investigator: JBVOUGHT | Contact for more spill info: NICK RECCHIA | Contact Person Phone: (516) 746-4400

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/09/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER AGENCY DOING PHASE 2 GROUND TESTING AT VACANT LOT AND FOUND CONTAMINATION. THERE USE TO BE A RESIDENCE ON SITE. CALLER REQUEST CALLBACK TODAY.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
10/9/02 9:52

Spoke to Nick Recchia

He is working for the owner/developer:

Ismael Fernandez

c/o

Michael Wengroff

WR Capital Advisors, LLC

61 West 74th Street - Suite 2B

NY, NY 10023

He received results from soil borings performed across a vacant lot. There are no known tanks. He encountered contaminated soil from 10-13’ below grade, then clean soil until bedrock at 17’.

Groundwater was not encountered.

He ID’d the petroleum as Weathered Fuel Oil.

Phase II Results will be mailed to Vought.

OD/JMR.

11/27/2002-Vought-Left mesaage for Joan Tally (NYCHA-212-227-9374) that I had not received report as of yet (she called inquiring about review status). Also left message for Nick Rechia (516-746-4400) that I have not received report as of yet.

8/4/2003-Vought-File review by Vought:

4/2002-Phase I Site ESA-EEA-Property is an 11,000 square foot rectangular vacant lot covered by asphalt. Dry cleaners operated between 1977 and 1981. A phase II was conducted in 5/01 through the collection of six soil samples from depths of 10 to 20'. "Typical drycleaning products and their breakdown products were not included in laboratory analyses". Phase I recommends soil samples be taken for drycleaning constituents.

7/2002-Phase II ESA-EEA-purpose of Phase II was to investigate possible impact of dry cleaning operations. Analyticals indicated no drycleaning constituents above TAGM 4046 requirements. Four soil borings were performed in area of former drycleaning operations. Soil samples were obtained at depth of 17' below grade and also below "all fill materials". No drycleaning constituents in soil however up to 10000ppb napthalene(B3), 24000ppb 1,3,5-trimethylbenzene(B3) and 210ppb benzene(B4).

9/2002-Phase II ESA-EEA-purpose of Phase II was to determine extent of petroleum impacted soil. Ten soil borings performed on-site using Geoprobe. Groundwater was not encountered in any of the borings. Contamination found at depths ranging from 8 to 15'. Sample analyicals were not submitted with report.

10/18/02-Workplan for soil Remediation-EEA-Workplan proposal of soil excavation and subsequent collection of endpoint samples.

11/27/02-Vought-Sent email to Nick Recchia approving of soil excavation.

12/4/2002-Vought-Sent letter to EEA approving workplan with additional requirments of 1)Endpoint samples (EPA method 8270) 2)delineation of soil and groundwater contamination 3)Surrounding property sketch 4)analyticals from ten soil borings peformed on 9/02.

6/18/2003-Vought-Received Soil Investigation Summary from Jeffrey Shelkey (EEA-516-746-4400). On 7/12 soil samples were collected from two test pit excavations on-site for off site disposal documentation. Test pits were dug to maximum equipment reach (16-18' below grade). Contaminated soil found in TP-2. Soil samples were collected from 6' below interior spread footing for the building. EEA will continue with delineation of soil and groundwater contamination as required in a 12/4/02 NYSDEC letter. TPH analyticals indicate contamination is #2 fuel oil.

7/03-Vought-Spill Closure Report-EEA-Remedial action of soil excavation completed. Twelve endpoint soil samples collected. A total of 95.06 tons of soil were removed from site (disposal manifests provided). Report recommends no further action.

8/8/2003-Vought-NYSDEC requires 1)delineation of soil contamination to the east and west of former area of petroleum contamination (no endpoints or borings were collected from directly east or west of soil contamination) 2)submission of soil analyticals from ten soil borings performed on 9/2002 3)surrounding property sketch to scale including adjacent streets 4)Placement of former soil contamination area and all previous borings on site plan.

9/15/2003-Vought-Letter from EEA(Jeff Shelkey) to DEC. "Your request for soil borings on Townsend Avenue ...is not justified. Soil samples collected from the bottom of the excavation at SS-2 and SS-10 on the west side are sufficient to delineate the extent of contamination".

10/15/2003-Vought-email from Alan Serpa(EEA) to DEC Rommel that she review the site data with Vought for NFA reconsideration. Rommel required the following be addressed 1)submission of disposal analtyicals to indicate severity of contamination 2)reason for no samples on west side and 3)submission of analyticals from ten soil borings performed on 9/2002.

10/16/2003-Vought-Phone conversation with Shelkey to convey review with Rommel and requirements of 10/15/2003.

10/17/2003-Vought-Fax from Shelkey including 6/17/03 letter above describing test pits which were used for disposal characterization. Analyticals show no TAGM 4046 Soil Cleanup Objective exceedances.

10/18/2003-Vought-Spoke with Shelkey to inquire about submission of ten soil boring analyticals from 9/2002. Shelkey stated that the only soil sample that was sent for analysis was from boring SB5. Vought also inquired about reason for no samples directly on east and west side of contamination. Shelkey replied that endpoint samples were collected (four bottom and eight sidewall).

10/22/2003-Vought-Revied site data with DEC Rommel and spill closed at per Rommel due to clean endpoint sample analyticals which pass TAGM 4046 Soil Cleanup Objectives (excluding minor PAH exceedances attributable to fill material). Spill closed by Vought on 10/23/2003.

Map Identification Number 47 **SERVICE BOX 16890** **Spill Number: 0002001** **Close Date: 03/24/2004**
1709 JEROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 983 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: TONY LOPEZ
DEC Investigator: JHOCONNE

Spiller: CALLER - CON ED
Notifier Name:
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone: (212) 580-6763
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/17/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

con ed #131441 company went into service box and found petroleum product

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131441:

1 gallon unknown oil on top of 10 gallons of water in service box 16890. Cleanup pending sample results.

Lab Sequence Number: 00-04861 PCB <1 ppm

5/18/00 Flush operator J. Rohe reports that the clean up in service box # 16890 is complete. Corporate tanker removed an oily sheen, and approx. 50 gallons of water. The Flush crew power washed the structure twice and the wash water was removed by the corporate tanker.

Map Identification Number 48 **BP AMACO** **Spill Number: 0606210** **Close Date: 09/05/2006**
1740 JEROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 986 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION Spiller: ED WALDRON - BP AMACO Spiller Phone: (631) 300-5285 ext. C
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: SMSANGES Contact for more spill info: ED WALDRON Contact Person Phone: (631) 300-5285 ext. C

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/30/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	3.00	GALLONS	3.00	GALLONS	SOIL

Caller Remarks:

CUSTOMER HELD NOZZEL OPEN CAUSING SPILL, IS CONTAINED AND ALL CLEANED UP:

DEC Investigator Remarks:

Surface spill - no mechanical problem - Human error
spill cleaned

Map Identification Number 49 **MANHOLE # 18889** **Spill Number: 9908558** **Close Date: 02/21/2002**
E TREMONT AV & DROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1101 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: E TREMONT AV / JEROME AV
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN - UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	MARK SCHLAGEL	Notifier Phone:	(212) 580-6763
Caller Name:	MARK SCHLAGEL	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	COMENALE	Contact for more spill info:	MARK SCHLAGEL	Contact Person Phone:	(212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/14/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

5 GALS UNK OIL ON 100 GALS OF WATER - SAMPLE TAKEN CLEAN UP PENDING LAB RESULTS

CON ED # 128433

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 50 **NANHOLE #18889** **Spill Number: 9908174** **Close Date: 02/20/2002**
E TREMONT/JEROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1101 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: E TREMONT AV / JEROME AV
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: MIKE CESARE
DEC Investigator: CAENGELH

Spiller: UNKNOWN - UNKNOWN
Notifier Name: MIKE CESARE
Caller Agency: CON EDISON
Contact for more spill info: MIKE CESARE

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/05/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SAMPLE TAKEN- 4-6 HR TURN AROUND- THEN CLEANUP WILL BEGIN.

CON ED #128255

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

Map Identification Number 51 **MANHOLE 18890** **Spill Number: 0001615** **Close Date: 03/23/2004**
JEROME AVE AT W TREMONT NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1101 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: JEROME AVE / W TREMONT AVE
Revised zip code: 10453

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: STEVE ROMERO
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name: MS CANNER
Caller Agency: CON EDISON
Contact for more spill info: STEVE ROMERO

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/09/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CLEANING UP AT 40 TO 499 PPM - CON ED NUMBER 131293

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131293:

two ounces of unknown oil in manhole #18890. Conduit plate #24G checked, there is a sewer connection. Sample taken.

Lab Sequence Number: 00-04547 PCB <1 ppm

Cleanup completed on 5-9-00 at 20:00. No visible oil found in manhole. Manhole flushed. No sewer connection found.

Map Identification Number 52 **1764 UNIVERSITY AVE/BX** **Spill Number: 8904142** **Close Date: 01/08/1991**
1764 UNIVERSITY AVENUE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1142 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10453

Source of Spill: GASOLINE STATION | Spiller: MOBIL | Spiller Phone: (212) 294-6908
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: SHEILA HARPER | Caller Agency: MOBIL | Caller Phone: (703) 849-5384
DEC Investigator: SIGONA | Contact for more spill info: | Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/26/1989	01/08/1991	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

Caller Remarks:

DURING TANK REPLACEMENT, 80 CUBIC YDS OF CONTAMINATED SOIL DISCOVERED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 53 **EXXON MOBIL # 17-KPY** **Spill Number: 0506867** **Close Date: 09/06/2005**
1764 UNIVERSITY AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1142 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10453

Source of Spill: GASOLINE STATION | Spiller: FRANK MASSENA - EXXON MOBIL #17-KPY | Spiller Phone: (908) 730-2055
Notifier Type: Other | Notifier Name: JESSE GALLO | Notifier Phone: (845) 561-9890
Caller Name: JESSE GALLO | Caller Agency: GEOLOGIC SERVICES INC. | Caller Phone: (845) 561-9890
DEC Investigator: JBVOUGHT | Contact for more spill info: FRANK MASSENA | Contact Person Phone: (908) 730-2055

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/06/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

Ethanol; was the material found in the lab results. This is a new additive in gasoline. Material was found in the groundwater.
Already an active case W/ DEC #0300047. Action is being taken under this spill number.

DEC Investigator Remarks:

9/6/05-Vought-This spill closed and referred to open spill #0300047 at same location. Spill closed by Vought.

Map Identification Number 54 **1764 UNIVERSITY AVE** **Spill Number: 0404708** **Close Date: 12/28/2004**
1764 UNIVERSITY AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1142 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: JESSE GALLO
DEC Investigator: JMROMMEL

Spiller: EXON MOBIL
Notifier Name: JESSE GALLO
Caller Agency: GEOLOGIC SERVICES INC.
Contact for more spill info: EXON MOBIL

Spiller Phone: (908) 730-2055
Notifier Phone: (845) 561-9890
Caller Phone: (845) 561-9890
Contact Person Phone: (908) 730-2055

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/30/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	POUNDS	0	POUNDS	SOIL
METHYL-TERT-BUTYL ETHER (MTBE)	HAZARDOUS MATERIAL	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

B-tex and mtbe were found in the groundwater samples.

DEC Investigator Remarks:

No letter sent - 2 open spills already exist on this site.

12/28/04
Investigation and remediation to be tracked under spill numbers 0300047. See 0300047 for updates. Site managed in Central Office by Brian Davidson. Rommel

Map Identification Number 55 **MANHOLE #16889** **Spill Number: 0106113** **Close Date: 09/10/2004**
1705 JERONE AV BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1147 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 1705 JEROME AV
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNK Spiller Phone:
Notifier Type: Affected Persons Notifier Name: JIM SIESFELD Notifier Phone: (212) 580-6763
Caller Name: ANTHONY NATALE Caller Agency: CON EDISON Caller Phone: (212) 580-6763
DEC Investigator: AERODRIG Contact for more spill info: CALLER Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/07/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	1.00	GALLONS	SOIL

Caller Remarks:

1 PT OF UNKNOWN OIL ON 50 GLS OF WATER. CLEAN UP COMPLETED. CON ED #139351.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
e2mis no. 139351:

1 pint of unknown oil on 50 gallons of water in manhole 16889.

Lab Sequence Number: 01-08905-001 PCB 3 ppm

08-Sep-2001 0:12 Hrs

00:37 Hrs - Flush Crew (Cedeno and Quartler) begin cleanup.

01:57 Hrs - Flush crew reports finding service box has no floor.

02:15 Hrs - Flush crew reports cleanup complete and spill tag removed. 60 gallons of liquid removed by CFS tanker and 200# solids removed and contained in flush truck.

08-Sep-2001 02:26 Hrs

Flush Mechanic Ed Cedeno, #03384, reports service box is infront of Country Motors at 1705 Jerrome Ave, and Professioanl Mufflers and Auto Repairs at 1699 Jerrome Ave. Unknown oil has been found in other underground structures in the vicinity of SB 16889 during the past few weeks.

As per field inspection 10/2/03, EH&S Senior Specialist R. Browne reports: No visible sign of oil in manhole or surrounding area.

Map Identification Number 56 **22-20 E TREMONT AVE** **Spill Number: 8600955** **Close Date: 05/09/1986**
22-20 E. TREMONT AVE. BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 1151 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Health Department
Caller Name:
DEC Investigator: RWAUSTIN

Spiller: UNKNOWN
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;HIGHLY IMPROBABLE

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/09/1986	05/09/1986	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	GROUNDWATER

Caller Remarks:

FUMES IN BLDG.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
10/10/95: This is additional information about material spilled from the translation of the old spill file: ODORS(PETROLEUM).

Map Identification Number 57 **SERVICE BOX #9515** **Spill Number: 9914843** **Close Date: 03/27/2002**
110 E. 176TH ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1179 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: TONY LOPEZ
DEC Investigator: JHOCONNE

Spiller: UNKNOWN - UNKNOWN
Notifier Name: TONY BUCCI
Caller Agency: CON EDISON
Contact for more spill info:

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/31/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SHEEN ON 30 GAL OF WATER IN SERVICE BOX - SAMPLES TAKEN AND CLEAN UP PENDING RESULTS CON ED #130671

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 58 **MANHOLE 9688** **Spill Number: 9909214** **Close Date: 02/22/2002**
WALTON AVE & E TREMONT BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1215 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: WALTON AV / E TREMONT AV
Revised zip code: 10453

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name: BILL MURPHY
DEC Investigator: CAENGELH

Spiller:
Notifier Name: BILL MURPHY
Caller Agency: CON EDISON
Contact for more spill info: BILL MURPHY

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/28/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

unk oil on unk quantity water

labs pending

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

Map Identification Number 59 **JUNIOR HIGH SCHOOL 117** **Spill Number: 9913920** **Close Date: 01/05/2006**
1865 MORRIS AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1216 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:	SAME	Notifier Phone:	
Caller Name:	WAHAD KHAN	Caller Agency:	LAMGAN	Caller Phone:	(212) 964-7888
DEC Investigator:	AJWHITE	Contact for more spill info:	MICHAEL LIGOSKY	Contact Person Phone:	(718) 583-8398

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/09/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

THEY HAVE A SPILL OUTSIDE OF THE SCHOOL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
See file for 9407465

01/26/04

Reassigned from Rommel to Austin
02/17/04: Reassigned from AUSTIN to KRIMGOLD.
06/15/05 - Reassigned form Krimgold to Benjamin

11/15/2005: lead transferred to Joe White as part of the Spill initiative Project.

12/08/2005: Joe White spoke with James Merlo, the NYC School spill coordinator. He will be sending in the latest tank test results.

1/5/2006: The PBS# 2-352020 associated with this spill documents that the leaking tanks were removed from the site in february of 2002 after this reported spill. Two new tanks have been installed and have been tested. Given that the tanks have been removed over 4 years ago and that the spill was 0 gallons the above information is sufficient for closing out this spill.--------
joe white

Map Identification Number 60 **JUNIOR HIGH SCHOOL 117** **Spill Number: 9812895** **Close Date: 01/21/1999**
1865 MORRIS AVENUE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1216 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Fire Department
Caller Name: DISPATCHER GLAVIN
DEC Investigator: MCTIBBE

Spiller: UNKNOWN - JUNIOR HIGH SCHOOL 117
Notifier Name: BATTALION 26
Caller Agency: BRONX FIRE DEPARTMENT
Contact for more spill info: DISPATCHER GLAVIN

Spiller Phone:
Notifier Phone: (718) 430-0200
Caller Phone: (718) 430-0200
Contact Person Phone: (718) 430-0200

Spill Class: KNOWN RELEASE THAT CREATES A FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/20/1999		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	20.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FIRE IN BOILER - FOAM WITH PRODUCT

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
BROKEN FUEL LINE. CONTAINED IN BASEMENT IN PIT. FOAM PUT ON FIRE. PTC CALLED I BY BOARD OF ED. CLEANED WITH SPEEDI DRI. NO SEWERS IMPACTED. SUMP PUMPS WERE TURNED OFF.

Map Identification Number 61 **SERVICE BOX 16884** **Spill Number: 9906815** **Close Date: 11/09/1999**
JEROME AV & CLIFFORD PL BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1290 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: JEROME AV / CLIFFORD PL
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:	SCHMID	Notifier Phone:	
Caller Name:	MARK SCHLAGEL	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	MARK SCHLAGEL	Contact Person Phone:	(212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/08/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

2 QTS OF PRODUCT ON 100 GALS WATER - CLEAN UP PENDING LAB RESULTS

CON ED 127652

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Con ed e2mis notes:

Oil/Water mix in SB 16884, approx 2 quarts oil in approx 100 gal water spill is contained, sample taken.

0ppm no aroclor..seq number 99-09346

SB 168884 has been cleaned, soaked up oil with absorbant pads, and power washed service box 2x's. He generated plastic bag of oily ebris and will dispose of as non - hazardous waste. Removed environmental tag.

Map Identification Number 62 **SERVICE BOX 16884** **Spill Number: 9903032** **Close Date: 05/18/2000**
WEST SIDE OF JERONE AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1290 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: JEROME AVE / CLIFFORD PL
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: STEPHEN CRIBBIN
DEC Investigator: COMENALE
Spiller: UNKNOWN
Notifier Name:
Caller Agency: CON EDISON
Contact for more spill info: CALLER
Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/16/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 pint on 3 gallons of water, sample taken con ed #125590.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

Con ed e2mis notes:

Approx 1 pt oil in approx 3 gallons water...no waterways/sewers affected. Sample taken, tag hung. <1.00ppm

Map Identification Number 63 **SERVICE BOX 16884** **Spill Number: 9814072** **Close Date: 01/21/2004**
JEROME AVE AT CLIFFORD RD BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1290 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: JEROME AVE / CLIFFORD PL
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: STEPHEN CRIBBIN
DEC Investigator: CAENGELH
Spiller: UNKNOWN - UNKNOWN
Notifier Name: MR SCHMIDT
Caller Agency: CON ED
Contact for more spill info:
Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/22/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

unk source of 1 quart of unk oil - on top of 10 gal of water

con ed 123191

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
e2mis no. 123191:

APPROX 1 QT OIL IN APPROX 10 GAL WATER. SPILL IS CONTAINED. SAMPLE TAKEN.

FEB. 24, 1999

TEST RESULTS <1.00 PPM

MAR. 8, 1999 J. ROHE REPORTS JOB COMPLETED AND TAG REMOVED.

Map Identification Number 64 **EMPTY LOT** **Spill Number: 9902691** **Close Date: 06/22/1999**
NELSON AVE 1700 BLOCK BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1392 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 1700 BLK OF NELSON AVE
Revised zip code: 10453

Source of Spill: PASSENGER VEHICLE
Notifier Type: Citizen
Caller Name: CAROL ANDERSON
DEC Investigator: JMROMMEL

Spiller: UNKNOWN FOR NOW
Notifier Name: SAME
Caller Agency: CITIZEN
Contact for more spill info: CAROL ANDERSON

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 731-7496
Contact Person Phone: (718) 731-7496

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/08/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATES THAT A HOMELESS MAN WHO LIVES IN A (SHACK) THAT HE BUILT ON AN OPEN LOT HAS BEEN CHANGING OIL ON CARS THAT PULL UP IN FRONT OF THE OPEN LOT THERE.COMPLAINT STATES THE LOT IS IN THE 1600

TO 1700 BLOCK OF NELSON AVE.COMPLAINT IS HOME NOW.UPDATE CALLER STATES HE IS DUMPING THE OIL INTO THE STREET AND IS RUNNING DOWN THE STREET

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"

Map Identification Number 65 **1775 GRAND CONCOURSE** **Spill Number: 9401422** **Close Date: 05/09/2001**
1775 GRAND CONCOURSE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1406 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: DAVE PIERCEY
DEC Investigator: MCTIBBE

Spiller: VERIZON
Notifier Name:
Caller Agency: LEXICON ENVIRONMENTAL
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (215) 344-3380
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/29/1994		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

DISCOVERED SOIL AT SITE. 1 OF 6 SAMPLE SHOWED HIGH HT. MARK TIBBE WAS NOTIFIED OF AC/ALT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
SEE FILE.

SEE ALSO 91-06469, 91-07637 & 93-03638.

Map Identification Number 66 **200 WEST TREMONT AVE** **Spill Number: 9809179** **Close Date: 10/31/2002**
200 WEST TREMONT AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1433 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	WILLIAM MURPHY	Caller Agency:	CON ED	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	(212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/22/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

caller reported spill in vault. ref #120739.cleanup started.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis #120739:

OCT.22,1998 13:43

SUPV. L.FISCHER REPORTS: THAT HE FOUND OIL AND WATER MIX IN V4032 APPROX. 500 GALS OF WATER AND 1 GAL. OF OIL WAS FOUND. THE

SPILL IS CONTAINED AND DID NOT ENTER THE ENVIR. OR SEWERS OR WATERWAYS. THE VAULT WAS YELLOW TAGGED #20010. THERE'S A

SUMP PUMP PRESENT AT THIS LOCATION BUT IS NOT OPERATING AT PRESENT TIME OR AT THE TIME OF THE SPILL. ALSO, THERE'S NO SEWER

CONNECTION AT THIS LOCATION. THE SUPV. WAS DOING A INSPECTION WHEN HE FOUND THE SPILL. THE OIL HAS THE APPEARANCE OF MOTOR OIL.
THE SPILL IS EXPECTED TO BE CLEAN UP ON OCT.23,1998. THE SPILL IS BEING TREATED AS 50-499.

OCT.22,1998 14:10

CIG NOTIFIED AT 14:07 S.DIXON

OCT 23. 19:30

JOB IS COMPLETE AND TAG 20010 WAS PULLED.

Map Identification Number 67 **VACANT LOT** **Spill Number: 0412869** **Close Date: 03/11/2005**
1640 MACOMBS ROAD BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1454 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: MARK ROBBINS
DEC Investigator: SMSANGES

Spiller: MARK ROBBINS - VACANT LOT
Notifier Name: MARK ROBBINS
Caller Agency: HYDRO TECH ENVIRONMENTA
Contact for more spill info: MARK ROBBINS

Spiller Phone: (631) 462-5866
Notifier Phone: (631) 462-5866
Caller Phone: (631) 462-5866
Contact Person Phone: (631) 462-5866

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/09/2005		OTHER	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

FOUND CONTAMINATION WHILE DOING SOIL BORINGS:

DEC Investigator Remarks:

Duplicate spill number - This number is closed

Cross Ref to Spill # 0412587

Map Identification Number 68 **1640 MACOMBS RD** **Spill Number: 0412587** **Close Date: 12/14/2006**
1640 MACOMBS ROAD BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1454 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	RACHEL ATAMAN	Spiller Phone:	(631) 462-5866
Notifier Type:	Affected Persons	Notifier Name:	RACHEL ATAMAN	Notifier Phone:	(631) 462-5866
Caller Name:	RACHEL ATAMAN	Caller Agency:	HYDRO TECH ENVIRON.	Caller Phone:	(631) 462-5866
DEC Investigator:	HRPATEL	Contact for more spill info:	RACHEL ATAMAN	Contact Person Phone:	(631) 462-5866

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/28/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Contaminated soil was discovered on site, identified in the northern portion of the property.

DEC Investigator Remarks:

SVOC’s detected in soil samples taken by Hydro Tech
send Cont. Soil Ltr

NYS office of Mental Health is the tenant

05/18/05 - Sawyer - Kathleen DeVoe from Hydro Tech Environmental forwarded a Remedial Action Plan to the Department.

03/07/2006 - Kathleen DeVoe previously indicated via telephone call that NYS Mental Health planned to implement the RAWP in SFY ’06-’07. (Mustico)

9/7/06 - Austin - Assigned from Albany to Region 2 staff (Patel) for review and closure - end

11/24/06-Hiralkumar Patel.
from propertyshark.com:

Services For The Underserved, Inc
305 7TH Ave
10th Floor
New York NY 10001-6008

11/27/06-Hiralkumar Patel. left message for Kathy (Off. 631-462-5866, Cell: 631-457-2343) at Hydrotech.

11/29/06-Hiralkumar Patel. spoke with Kathy. she will send copy of investigation report and remedial action plan. site is open parking lot.

12/11/06-Hiralkumar Patel. left message for Kathy.
12/13/06-Hiralkumar Patel. left message for Kathy.

found phone number for Services for the Underserved INc. left message for real estate person in office.
received call from Steven Myricks. they baught this property in May '05 from Raul Perez. Steve has some documents and RAP. i will get copy of documents from Steve from his office as visiting site in neighbourhood.

Steven Myricks
Manager, Real Estate Property services
Services for the Underserved
305 7TH Ave
10th Floor
New York NY 10001-6008
Ph. (212) 633-6900
FAX (212) 627-1459

12/14/06-Hiralkumar Patel. got RAP, prepared by Hydrotech, from Mr. Myricks at his office yesterday. few SVOCs (Chrysene, Benzo-a-anthracene, Benzo-a-pyrene, Benzo-b-fluoranthene, Benzo-k-fluoranthene) found above TAGM limit, in four soil samples, in northwest portion of site. other than four SVOCs all other compounds are below limit. no VOCs found in any samples.

spoke with Kathy at Hydrotech. she believes that compounds from fill material. she observed asphalt patch at location and thinks these SVOCs are from this fill material.

based on level of SVOCs contmaination and no VOCs in samples, case closed.

Map Identification Number 69 **MANHOLE 23888** **Spill Number: 0003465** **Close Date: 04/07/2004**
101 EAST TREMONT AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1458 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	RICHARD ROACH	Notifier Phone:	(212) 580-6763
Caller Name:	RICHARD ROACH	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/20/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

discovered 1 gallon of oil on top of 300 gallons of water

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131945:

approx. 1 gallon of unknown oil on appprox. 300 gallons of water in manhole # 23888. Conduit plate 23-G-3 indicates that there is a sewer connection at this location. Clean up pending sample results.

Lab Sequence Number: 00-05983 PCB <1 ppm

6/21/00 Flush operator O. Negron reported at 05:16 Hrs. that the clean up in manhole 23888 was completed. Corporate Tanker approx. 2 gallons of oil and approx. 1100 gallons of water from the manhole. The manhole was power washed twice and the wash water

was removed by the corporate tanker. the sump was concrete, there was no sewer connection in this manhole.

Map Identification Number 70 **GAS STATION** **Spill Number: 0707310** **Close Date: 10/03/2007**
20 EAST 179TH STREET BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1468 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: GASOLINE STATION
Notifier Type: Local Agency
Caller Name:
DEC Investigator: smsanges

Spiller: CHRISTINE BENJAMIN - GAS STATION
Notifier Name:
Caller Agency:
Contact for more spill info: CHRISTINE BENJAMIN

Spiller Phone: (718) 294-3727
Notifier Phone:
Caller Phone:
Contact Person Phone: (718) 294-3727

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/03/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

WHILE REMOVING GAS TANKS , GAS SPILLED INTO DIRT: NOONE CLEANING AT THIS TIME

DEC Investigator Remarks:

Smell complaint associated with a gasoline station at 1990 jerome Ave which is directly next door to apartment building at 20 East 179th St.
John Kolleeney is working the case.

Map Identification Number 71 **SERVICE BOX #11854** **Spill Number: 0100323** **Close Date: 04/10/2001**
1966 UNIVERSITY AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1495 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: 1966 DR MARTIN LUTHER KING JR BLVD
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: RICHARD ROACHE
DEC Investigator: JHOCONNE
Spiller: UNKNOWN - UNKNOWN
Notifier Name: RICHARD ROACHE
Caller Agency: CON EDISON
Contact for more spill info: RICHARD ROACHE
Spiller Phone:
Notifier Phone: (212) 580-6764
Caller Phone: (212) 580-6766
Contact Person Phone: (212) 580-6764

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/09/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

APPROX 2 QTS OF UNK MATERIAL ON 10 GALLONS OF WATER. CON ED #136355

SAMPLE RESULTS ARE LESS THAN 1 PPM.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 72 **MANHOLE 23857** **Spill Number: 0000482** **Close Date: 01/16/2002**
BURNSIDE AV/LORING PL BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1530 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W BURNSIDE AVE / LORING PL S
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CALLER - CON EDISON Spiller Phone: (212) 580-6765
Notifier Type: Responsible Party Notifier Name: DIXON Notifier Phone:
Caller Name: BRIAN JOYCE Caller Agency: CON EDISON Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/12/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1/2 PINT OF UNK OIL MIXED IN THE MUD AT BOTTOM OF THE MANHOLE - CONTAINED - CASE #130865

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis #130865 Notes:

4-12-00

1/2pt unknown oil mixed with mud in manhole 23857. No water present and according to conduit plate 25-F-4 there is no sewer connection. Sample taken.

LSN 00-03583 <1ppm PCB

4-13-00 1109hrs

Cleanup completed. 8oz oil removed with absorbants. Manhole double washed. 1 plastic bag non-hazardous waste generated. Sewer connection found and sealed. Sump is concrete.

Map Identification Number 73 **SERVICE BOX 11854** **Spill Number: 0001000** **Close Date: 12/28/2001**
1970 UNIVERSITY AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1531 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: 1970 DR MARTIN LUTHER KING JR BLVD
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Affected Persons Notifier Name: Notifier Phone:
Caller Name: TONY LOPEZ Caller Agency: CON EDISON Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE Contact for more spill info: CALLER Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/25/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

5 gallons oil on 5 gaoolons water. con ed # 131026.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Cross reference 0100323, 0012116, 0100361

Con Ed e2mis #131026 Notes:

4-25-00 1230hrs

5gal unknown oil on 5gal water in service box 11854. Will complete as 50-499ppm. Service box is filled half way and drain is located down the block in front of 1958 University Ave.

4-25-00 Flush crew reports cleanup completed but hole is still making oil.

4-27-00 0705hrs

LSN 00-04026 <1ppm PCB

LSN 00-04027 simialar to light fuel oil

5-12-00 Cleanup completed. 2oz oil and 5gal water removed. Hole double washed and flushed.

Map Identification Number 74 **BETW CLIFFORD & E 175 ST** **Spill Number: 0710535** **Close Date: 01/11/2008**
1749 GRAND CONCOURSE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1533 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill:	UNKNOWN	Spiller:		Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RMPIPER	Contact for more spill info:		Contact Person Phone:	

Spill Class: NO SPILL OCCURRED;NO DEC RESPONSE;NO CORRECTIVE ACTION REQUIRED

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/05/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

boiler may have burst - oil and water in street - original caller was anonymous

DEC Investigator Remarks:

DEC Piper - I could not obtain info on spill. Roadway spill. Closed.

Map Identification Number 75 **MANHOLE #23859** **Spill Number: 9913786** **Close Date: 03/22/2002**
W BURNSIDE AV/UNIVERSITY BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1535 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W BURNSIDE AV / UNIVERSITY AV
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: RICHARD ROACH
DEC Investigator: JHOCONNE
Spiller: UNKNOWN
Notifier Name: BRUCE MARKET
Caller Agency: CON EDISON
Contact for more spill info: RICHARD ROACH
Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/07/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION ON TOP OF 250 GALLONS

OF WATER. SAMPLE TAKEN AND CLEANUP PENDING LAB RESULTS. CON ED #

130289. NO CALL BACK REQUESTED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 76 **MANHOLE #1966** **Spill Number: 0012116** **Close Date: 07/11/2001**
UNIVERSTY AV/W BURNSIDE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1535 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: UNIVERSITY AV / W BURNSIDE AVE
Revised zip code: 10453

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: ANTHONY NATALE
DEC Investigator: KMFOLEY

Spiller: UNKNOWN
Notifier Name: JAMES GRAHAM
Caller Agency: CON EDISON
Contact for more spill info: ANTHONY NATALE

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/10/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION ON TOP OF 15 GALLONS

OF WATER. SAMPLE TAKEN AND CLEANUP IS PENDING LAB RESULTS.

CON ED # 135469.NO CALL BACK.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY/SANGESLAND"
DEC INSPECTOR'S NOTES

5gals. unknown oil-fuel oil- third party.

reference #s 0100361,0100323,0001000

CON ED E2MIS REPORT 2-10-01

Found 5gal. of unknown oil and 15gals of water in SB 1966. No environmental impact. Cleanup pending test results.

Analysis indicares the ample similar ro a light fuel oil.

2-13-01 17:35

25gals. of water and 2oz. of oil removed from service box #11854. Service box was double washed and environmental tag removed. Cleanup is complete.

4/13/2001 Sangesland contacted the Co-op Board president at 1966 University Ave. She was given direction to dig out the remote fill line at the curb and to dig out all contaminated soil.

6/6/2001 Sangesland went back to the site to inspect the excavated hole near the curb. All soil had been removed down to the rock layer. The remote fill line had been cut and drained. As Sangesland watched, this line was plugged with cement. A new fill line was installed directly at the building, approx 50' away.

Map Identification Number 77 **MANHOLE #11854** **Spill Number: 0100361** **Close Date: 08/22/2001**
IFO 1966 UNIVERSITY AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1538 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: ANTHONY NATALE
DEC Investigator: JHOCONNE

Spiller: UNKNOWN - UNKNOWN
Notifier Name: SCOTT MAROTTA
Caller Agency: CON EDISON
Contact for more spill info: ANTHONY NATALE

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/10/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller reports what may be approx 2 pts unk oil in a manhole - sample taken - clean up pending lab test results

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
04/10/01

Sigona spoke to Chief Colley-Datt 718-430-0219

who indicated that this is a recurring problem withteh manhole in front of 1966 University Avenue in the Bronx. FDNY thinks that the cause may be a leaking fill line.

4/12/01

Foley met with Scott Marotta(Bx/West EH&S) and Larry Fischer (cleanup supervisor). Fill port adjacent to manhole. Inspected basement of 1966 University Ave. Could not see fill line. Tank is up against the west wall of building. No evidence of any oil leakage in basement.

4/13/01

Foley spoke to Scott Marotta over the phone and told him that the job would be followed up by Steve Sangesland.

6/21/01

Con Ed reports that while performing an emergency repair, 1 gallon of oil on 10gal water was found in SB11854.

Foley spoke with Sangesland about work which had been completed in the last week of May. Street was opened and fill port was moved up to the building. Soil did not appear to be heavily impacted with oil.

Map Identification Number 78 **SUNOCO** **Spill Number: 9507824** **Close Date: 01/26/2004**
1657 JEROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1639 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
Notifier Type: Affected Persons
Caller Name: WAYNE KEMPSKI
DEC Investigator: WXSUN

Spiller: SAME
Notifier Name:
Caller Agency: ENVIORMENTAL ASSESSMENT
Contact for more spill info: RUSS HAMMOND

Spiller Phone:
Notifier Phone:
Caller Phone: (516) 447-6400
Contact Person Phone: (516) 239-2431

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/27/1995		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CONTAMINATED SOIL AROUND TANK

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"

1/2/2004 Reassigned from O'Dowd to Sun.

1/26/2004-Sun-File Update by Sun: The spill was closed on November 30, 2001 based on the submitted documentation provided by Handex Practical Environmental Solution, dated 10/10/2001.

Map Identification Number 79 **SUNOCO STATION 0007583196** **Spill Number: 0405971** **Close Date: 01/18/2006**
1657 JEROME AVE. BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1639 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
Notifier Type: Affected Persons
Caller Name: PHYLLIS LOFARO
DEC Investigator: SKCARLSO

Spiller: PHYLLIS LOFARO - SUNOCO STATION 0007583196
Notifier Name: PHYLLIS LOFARO
Caller Agency: SUNOCO
Contact for more spill info: PHYLLIS LOFARO

Spiller Phone: (516) 371-9344
Notifier Phone: (516) 371-9344
Caller Phone: (516) 371-9344
Contact Person Phone: (516) 371-9344

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/31/2004		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	6.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

MATERIAL WENT INTO A NEARBY SEWER RIGHT BY THE STATION.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"

1/17/06: Case reassigned to Andersen. I spoke with Phyllis Lofaro. She said she has previously sent us a copy of the DOT 5801 report, and said she would fax me another copy. I received the fax.

1/18/06: Spoke with Phyllis Lofaro, spill occurred on concrete. NFA issued.

Map Identification Number 80 **APARTMENT BUILDING** **Spill Number: 0311433** **Close Date: 10/26/2006**
1695 GRAND CONCOURSE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1648 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Affected Persons
Caller Name: MARK SALAMACK
DEC Investigator: qxabidi

Spiller:
Notifier Name: TERRI
Caller Agency: PETROLIUM TANK CLEANERS
Contact for more spill info: ARGEN

Spiller Phone:
Notifier Phone: (718) 726-1461
Caller Phone: (718) 624-4842
Contact Person Phone: (347) 386-8001

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/09/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

THE HOMEOWNERS SECRETARY CALLED. WHEN THE OIL COMPANY RESPONDED THEY DISCOVERED OIL AND WATER ON THE GROUND. THEY ARE CURRENTLY PUMPING OUT THE TANK ROOM TO SEE IF THE TANK IS LEAKING OR IF IT IS OLD MATERIAL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
1/9/04 PTC ON SITE EMPTYING THE TANK, BUILDING ON DUAL SYSTEM, WILL INFORM THE GAS COMPANY TO MAKE ARRANGEMENTS TO SUPPLY HEAT IN THE INTERIM UNTIL THE TANK IS REPAIRED/REPLACED.

Tank Failure & subsurface contamination letter sent.

(site is located between 174 and 175 on walton 1 way downtown)

1/16/2004 Return Receipt came back to DEC to confirm that property owner received the DEC letter:

Mr. Mario Milevoi 20-74 Steinway St., Astoria, NY 11105

3/12/04 Tipple conducted site visit upon request from Eastman. Remediation is ongoing.

4/21/04 Tank removed from room/room had a few inches of water and a few droplets of #6fo floating. Eastman to vac out water/oil, dispose and seal the walls , once the documentation arrives, a nfa can be issued.

05/31/06: This spill is transferred from Mr. Koon Tang to Q.Abidi.
Called to owner of Apartment building Ms. Angella was on phone, someone will call back regarding spill.
Also called Mr. Mark Salamack at (718)624-4842. He pumped out the oil and water from the floar on June 9, 2004. He did not collect any sample. There was 2000 Gallons water on the floar. They did not ask to do this job again. That all Mr. Mark told on phone. -QA

06/21/06: Called to Mr. Mario (owner) regarding spill and left message to call me back as soon as possible. -QA

06/22/06: Called to owner Mr. Mario Milevoi at (718)726-1461 and talked to Angella. She told Owner will call me back as soon as possible. -QA

07/05/06: Called to owner Mr. Mario Milevoi and talk to Ms. Angella she said that she will convey my message to Mario (owner) and he will call me back. -QA

07/06/06: Mr. Mario called me back he said that every thing is with Issac Mungra. -QA

07/25/06: Talked to Mr. Issac Mungra he said information is not ready yet. He will send it soon. -QA

10/18/06: Called Mr. Mario Milevoi at (718)726-1461 and left message to call me back regarding spill. -QA

10/26/06: Talked to Mr. Mario Milevoi (owner) on phone he said he is fully satisfied with this clean up there is not any stain on basement floor and there is no odor in the basement.
Also received Closure report from Mr. Issac Mungra, Manager (Eastmond & Sons Company). He mentioned in that disposed of approximately 27.25 drums of contaminated debris and oil soaked and oil soaked absorbent. No odor in the basement. Basement floor is cemented and there is no stain on the floor. According to Issac Mungra this spill is cleaned. DEC staff closed this spill. -QA

Map Identification Number 81 **MANHOLE #TM-422** **Spill Number: 0001590** **Close Date: 03/23/2004**
ANDREWS AVE/WEST 176TH ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1653 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: ANDREWS AVE S / W 176TH ST
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: BRIAN JOYCE
DEC Investigator: JHOCONNE

Spiller: UNKNOWN - UNKNOWN
Notifier Name: BRIAN JOYCE
Caller Agency: CON EDISON
Contact for more spill info: BRIAN JOYCE

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/08/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SAMPLES TAKEN-CLEANUP PENDING LAB RESULTS-NO WATERWAYS OR SEWER AFFECTED. CON ED #131281

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131281:

1 pint of unknown oil on approx. 3 gallon of water in transformer manhole # 422. Conduit plate 23-E-2 indicates no sewer connection. Clean up pending sample results. The crew reports that there is a pile of Black Top on the transformer, and on the

floor of the transformer vault, oil may be from the black top.

Lab Sequence Number: 00-04535 PCB <1 ppm

5/18/00 Operating supervisor L. Fischer reports that the clean up can not be completed, due to the amount of black top that can not be chipped off the transformer, and from between the fins of the transformer. Mr. Fischer is going to speak with Mr.Torphy to have the transformer replaced. Clean up pending transformer replacement.

7/13/00 TM 422 was removed from structure. Tanker drained 240 gallons of oil from unit..... Flush crew double washed

structure... clean up completed at 1300Hrs...

Map Identification Number 82 **VAULT 3161** **Spill Number: 0009392** **Close Date: 12/28/2000**
37 BURNSIDE AV BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1714 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: 37 W BURNSIDE AV
Revised zip code: 10453

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: JIMMY FOX
DEC Investigator: KMFOLEY

Spiller:
Notifier Name: GRAHAM
Caller Agency: CON EDISON
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/15/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

ON 25GAL OF WATER - CONTAINED - CASE #134382 - SUMP WAS RUNNING

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
e2mis Notes:

Found 2 gal unknown oil in 25gal water in V-3161. Mechanic found sump working and there is a sewer connection. Conduit plate #25-G indicates sewer connection. Historical data inidcates 13ppm from 1993. Samples taken and returned 9ppm PCB and similar to dielectric fluid. Pressure tested unit and found no leaks.

11/16/00 E. Gafur reports cleanup compelted. 1 pint of oil and 500gal water removed from vault. Hole was double washed and flushed. Sump pumpwas not running and the pipe was broken at the coupling. No sign of oil in pipe. Initial report cited a release of oil to sewer. Upon field investigation, the sump pump piping was dry on the inside. All liquids were taken up by tanker. Solids were placed into one 55gal drum. Entire structure was double washed. Source unknown.

KMF 4/11/01

Map Identification Number 83 **ROADWAY** **Spill Number: 9812546** **Close Date: 01/11/1999**
UNIVERSITY AVE & BRANT PL BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1759 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: UNIVERSITY AVE / BRANDT PL
Revised zip code: 10453

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Other
Caller Name: CLARINDA WEST
DEC Investigator: MCTIBBE
Spiller: VINCENT SIMONE - BELL ATLANTIC
Notifier Name: CLARINDA WEST
Caller Agency: MILRO ASSOC
Contact for more spill info: CLARINDA WEST
Spiller Phone: (718) 918-2691
Notifier Phone: (516) 379-1570
Caller Phone: (516) 379-1500
Contact Person Phone: (516) 379-1500

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/08/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	OTHER	2.00	GALLONS	2.00	GALLONS	SOIL

Caller Remarks:

SPILL HAS BEEN CLEANED UP FROM PAVEMENT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
CLEANED BY RP.

Map Identification Number 84 **MH 21816** **Spill Number: 0203637** **Close Date: 04/24/2003**
UNIVERSITY AVE/E179TH ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1763 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: UNIVERSITY AV / W 179TH ST
Revised zip code: UNKNOWN

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON EDISON	Spiller Phone:	(212) 580-6763
Notifier Type:	Responsible Party	Notifier Name:	HEDEMAN	Notifier Phone:	
Caller Name:	ANDREW MORRIS	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	AERODRIG	Contact for more spill info:	ANDREW MORRIS	Contact Person Phone:	(212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/05/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 pint spill..clean up has been put on hold untill they have enough manpower to do it...ref # 143812.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
e2MIS NOTES 143812

05-July-2002 17:00hrs

Environmental Flush Mechanic N. Lopez # 19018 reports finding ~ 1 pint of oil on 100 gallons of water in manhole 21816. No smoke, fire or private property affected. No sewers or waterways involved. Oil sample taken and environmental yellow tag # 28237 hung at manhole. Cleanup pending lab results. Delayed e2MIS report permitted by ERT. M. Daughtrey due to substation fire.

PCB Analysis by EPA 608/8082

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MATRIX: LIQUID GRAB

LOCATION: 2001 UNIVERSITY AVE BRONX.

STRUCTURE: MANHOLE 21816 FEEDER ID:

QC ID: 01-200207050519

TEST DESCRIPTION RESULT UNIT METHOD

Aroclor 1242 < 1.0 ppm EPA 608/8082

Aroclor 1254 58.2 ppm EPA 608/8082

Aroclor 1248 < 1.0 ppm EPA 608/8082

Aroclor 1260 < 1.0 ppm EPA 608/8082

TOTAL PCB 58 ppm

06-JUL-2002 07:37

This incident changed to reportable "Spill - Oil (unknown type)" from "Spill - De Minimis (24 hour underground)" due to inavailability of flush crews and tanker

due to feeder work. Cleanup to be perform as soon as crews are available.

08-July-2002 22:33 Hrs

Flsh Mechanic Noel Lopez, #19018, reports cleanup complete, tag no. 28237 removed, no visible source of oil identified, CFS Transportation picked up 1-drum of lead hazardous PCB hazardous waste for disposal, and CFS Tanker removed 700 gallons of PCB hazardous oily water for disposal.

Map Identification Number 85 **101 E 179 ST & MORRIS AVE** **Spill Number: 9307181** **Close Date: 09/16/1993**
101 E 179TH ST & MORRIS BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1800 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 101 E 179TH ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Federal Government
Caller Name: ROBERT KEPICH
DEC Investigator: MCTIBBE

Spiller: UNK
Notifier Name:
Caller Agency: DEP
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-6777
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/13/1993	09/16/1993	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	300.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

POLICE ARE HOLDING PERSON INVOLVED IN SPILL. PERSON WAS CLEANING OUT BOILER TANK - DUMPED INTO SEWER. (718)220-5224 (OFFICERS).
HANDLED BY ECO AND NYC DEP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE/ECOS"
10/10/95: This is additional information about material spilled from the translation of the old spill file: HEATING OIL.

Map Identification Number 86 **MANHOLE 23890** **Spill Number: 0003466** **Close Date: 04/07/2004**
EAST TREEMONT/GRAND CONCO BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1811 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: E TREMONT AVE / GRAND CONCOURSE
Revised zip code: 10453

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Affected Persons Notifier Name: RICHARD ROACH Notifier Phone: (212) 580-6763
Caller Name: RICHARD ROACH Caller Agency: CON EDISON Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE Contact for more spill info: CALLER Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/20/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

sheen on top of 100 gallons of water

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131947:

undiaperable sheen on approx. 250 gallons of water in manhole # 23890. Conduit plate 23-H-1 indicates no sewer connection at this location. Clean up pending sample results.

Lab Sequence Number: 00-05984 PCB <1 ppm

June 21, 2000

John Maloney reports cleanup complete. Removed 150 gallons of water and 1 pint of oil. Hole doubled washed.

Map Identification Number 87 **1710 MONTGOMERY AVE** **Spill Number: 9900678** **Close Date: 04/30/1999**
1710 MONTGOMERY AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1813 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Fire Department
Caller Name: FF HACK
DEC Investigator: SIGONA

Spiller: APT BUILDING
Notifier Name: CHIEF KING
Caller Agency: FDNY
Contact for more spill info: FF HACK

Spiller Phone:
Notifier Phone:
Caller Phone: (917) 769-0483
Contact Person Phone: (917) 769-0483

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/19/1999		UNKNOWN	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

The was a slick of oil on the water, which was pumped out into the street by facility operators.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

DEC Sigona investigated cleanup supervised by DEP and DEC. Spill caused by sewer backup caused by DEP construction. On April 19, 1999 DEC Sigona met with Keith Williams 200 square foot basement flooded with 3 feet of water and 25-50 gallons of fuel oil. A.L. Eastmond hired to deliver pads and pick up waste in bags. DEP Williams issued order. Source of spill is used oil filters and oil buckets in basement. Flood caused by DEP sewer backup.

Map Identification Number 88 **CROSSBRONX EXPRESSWAY** @JEROME AVE **Spill Number: 0402151** **Close Date: 05/28/2004**
BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1845 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: CROSS BRONX EXPY / JEROME AVE
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Police Department
Caller Name: OFFICER WESTON
DEC Investigator: SMSANGES
Spiller: LUMBER TRUCK
Notifier Name: OFFICER WESTON
Caller Agency: NYC PD
Contact for more spill info: OFFICER WESTON
Spiller Phone:
Notifier Phone: (646) 610-6039
Caller Phone: (646) 610-6039
Contact Person Phone: (646) 610-6039

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/27/2004		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

DIESEL TANK ON LUMBER TRUCK LEAKING: FIRE DEPT. ON SCENE:

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

Map Identification Number 89 **JEROME AVENUE** **Spill Number: 0105472** **Close Date: 08/21/2001**
CROSS BRONX EXPRESSWAY BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1845 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: JEROME AVENUE / I 95
Revised zip code: UNKNOWN

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:	ENGINE 42	Notifier Phone:	
Caller Name:	DISPT 827 NYCFD	Caller Agency:		Caller Phone:	(718) 829-5703
DEC Investigator:	MCTIBBE	Contact for more spill info:	DISPT 827	Contact Person Phone:	(718) 829-5703

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/21/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

spill goes for about two blocks nothing furthut to go on at this time

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
SPILL NO LONGER ONSCENE. DEP AND SANITATION NOTIFIED. SANITATION TO SAND.

Map Identification Number 90 **UNIVERSITY AVE. CONSOL.** **Spill Number: 9505170** **Close Date: 08/24/1995**
1665 ANDREWS AVENUE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1910 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 1665 ANDREWS AVENUE S
Revised zip code: 10453

Source of Spill: PRIVATE DWELLING
Notifier Type: Affected Persons
Caller Name: ED MALONE
DEC Investigator: HEALY
Spiller: NYC HOUSING AUTHORITY
Notifier Name:
Caller Agency: NYC HOUSING AUTHORITY
Contact for more spill info:
Spiller Phone: (212) 306-3142
Notifier Phone:
Caller Phone: (212) 306-3233
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/27/1995	08/24/1995	OTHER	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

GROUNDS CONTRACTORE FOR NYCHA FOUND ABANDONED 5000 GALLONS TANK WITH SOME SOIL AND PRODUCT IN IT - UNKNOWN IF TANK IS INTACT.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 91 **Spill Number: 0405476** **Close Date: 08/20/2004**
1790 WEEKS AVE &175TH BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1920 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: 1790 WEEKS AVE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: SCOTT WILLIAMS
DEC Investigator: TJDEMEO
Spiller:
Notifier Name: SCOTT WILLIAMS
Caller Agency: AMERADA HESS
Contact for more spill info: BOLO
Spiller Phone:
Notifier Phone: (201) 489-5100
Caller Phone: (201) 489-5100
Contact Person Phone: (718) 731-3720

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/18/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Cleanup in progress

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
8/20/2004 Sangesland called Hess and confirmed that the cleanup was done.

Map Identification Number 92 **Spill Number: 0300271** **Close Date: 05/03/2003**

1883 BILLINGSLEY TERR BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1935 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: PAUL BASSO Caller Agency: MILRO ASSOC Caller Phone: (516) 379-1500
DEC Investigator: JBVOUGHT Contact for more spill info: GAIL GREENIDGE Contact Person Phone: (718) 716-8999

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/08/2003		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller states on mar 6 there was a fire at the residence - because

of that there was a spill of oil and water that appearently was

overlooked and never called in

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
Called Paul Basso, who confirmed that spill was caused when water

came in contact with oil in building. Remediation on soil has

started.

Will call Jeff with Up-Date.

E.R.

4/8/2003-Vought-Called Paul Basso. Basement floor is part soil and part concrete. Milro will begin soil excavation on 4/9/2003. Milro will update NYSDEC on excavation progress.

4/15/2003-Vought-Milro will complete excavation today. All-State is paying for cleanup. Milro will collect sidewall compsite and two bottom samples and analyze for EPA Method 8270. Will send analyticals, disposal manifest and site plan.

4/23/2003-Vought- Spoke with Paul Basso and not all contaminated soil removed. Excavation limits due to cobbles and structural constraints. Vought suggested that Basso call All-state in addition to quantifying contaminatiion, submitting site plan, PID readings and or/endpoint samples depending on discussion with All-State.

4/28/2003-Vought-Spoke to Paul and endpoint samples were collected at depth of 6'. Samples show 100ppm from PID. NYSDEC requested biosolve specifications and application amounts to ensure soil parameters are within remedial range.

5/5/2003-Vought-Received call from Gale Greenidge (718-731-6011) who is site owner. Vought explained to her remedial options proposed by Milro (Biosolve). Biosolve may mobilize contaminants so hyrdaulic control must be maintained and either monitored natural attenuation or pump and treat operations must be emplaced. Vought spoke to Paul Basso and required delineation outside home via borings and passive venting system will be installed.

5/20/2003-Vought-Received letter from Paul Basso (Milro). Oil spill caused by fire associated with oil burner. Mlro excavated contaminates soil and installed a passive venting system for residual odors. Aprroximately 12 cubic yards of soil were excavated (disposal mainfests were provided). Two endpoints samples collected and analyzed with a PID yeiding readings up to 100ppm. One sample was analyzed for EPA Method 8021/8270. Analyticals showed no exceedances beyond TAGM 4046 Required Soil Cleanup

Objectives (analyticals sent to NYSDEC). Spill closed by Vought.

Map Identification Number 93 **APARTMENT** **Spill Number: 0612061** **Close Date: 02/05/2007**
1955 GRAND CONCOURSE BRONX, NY 10461

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1946 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name:
DEC Investigator: SFRAHMAN

Spiller: FRANK RACINE - APARTMENT
Notifier Name:
Caller Agency:
Contact for more spill info: FRANK RACINE

Spiller Phone: (718) 828-3100
Notifier Phone:
Caller Phone:
Contact Person Phone: (718) 828-3100

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/01/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	5.00	GALLONS	5.00	GALLONS	SOIL

Caller Remarks:

THE SUPER TOLD OIL COMPANY TO FILL TANK AND THEY WANTED TO CHECK TANK AND SUPER WOULD NOT ALLOW THEM TOO, AND SOME LEAKED AND ALL CLEANED UP

DEC Investigator Remarks:

miss delivery of wrong type of fuel to the wrong building.
Tank was topped off and sent excess out of the vent line.
Tank is being pumped out by Eastmond now.
02/05/07 Rahman- I spoke with Building Manager William Varella @(718)863-2300, he told me that spill has been cleaned up properly.There was no spill in the tank room, all outside.Eastmond pumped out the #6 oil out of the tank and refilled with #2 oil.NFA required.

Map Identification Number 94 **Spill Number: 0013701** **Close Date: 11/26/2003**

BURNSIDE AV/JEROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1971 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: W BURNSIDE AVE / JEROME AVE
Revised zip code: 10453

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Responsible Party
Caller Name: BOBBY ISAAC
DEC Investigator: MCTIBBE

Spiller: BOBBY ISAAC - NYC TRANSIT AUTHORITY
Notifier Name: BUS COMMAND CNT
Caller Agency: NYC TRANSIT AUTHORITY
Contact for more spill info: BOBBY ISSAC

Spiller Phone: (718) 243-4891
Notifier Phone: (718) 927-7777
Caller Phone: (718) 243-4891
Contact Person Phone: (718) 243-4891

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/31/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

UNKNOWN PROBLEM ON BUS # 5362 AT ABOVE LOCATION. CAUSE IS UNDER

INVESTIGATION AT TIME OF CALL. SOME MATERIAL MAY HAVE RUNOFF INTO

STORM SEWER. AMOUNT REPORTED AS 2 QUARTS. CREW ON SCENE AND CLEANUP

IS IN PROGRESS.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
NYCT has no further information/documentation for this spill.

Map Identification Number 95 **MANHOLE #12683** **Spill Number: 9900662** **Close Date: 05/05/1999**
E174TH ST/SELWYN AV BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1991 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: E 174TH ST / SELWYN AV
Revised zip code: 10457

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: FRANK MASSERIA
DEC Investigator: JHOCONNE

Spiller: FRANK MASSERA - CON ED
Notifier Name: MR BUCCI
Caller Agency: CON EDISON
Contact for more spill info: FRANK MESSERIA

Spiller Phone: (212) 580-6763
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/17/1999		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con ed e2mis notes:

A section of PILC cable that was cut and lying on the floor had leaked app 1 oz of dielectric oil. There is no water in the man hole and there is no sewer connection according to conduit plate 21-F-3 based on this info we can assume the spill is contained. The sample that was taken has been cancled. The cleanup is in progress and is being handled as 50-499. No sample, Cleanup complete.

Map Identification Number 96 **Spill Number: 9803703** **Close Date: 02/24/2003**
145 WEST 179TH ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2054 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Other | Notifier Name: WILLIE CHRISTIE | Notifier Phone: (718) 731-4014
Caller Name: VELERIE PIERT | Caller Agency: | Caller Phone: (718) 294-6848
DEC Investigator: WYNE | Contact for more spill info: WILLIE CHRISTIE | Contact Person Phone: (718) 731-4014

Spill Class: NO SPILL OCCURRED;NO DEC RESPONSE;NO CORRECTIVE ACTION REQUIRED

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/01/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 97 **MANHOLE PM499** **Spill Number: 0003424** **Close Date: 04/07/2004**
MONROE AVE/EAST 175TH ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2062 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Local Agency | Notifier Name: MIKE CESARE | Notifier Phone: (212) 580-6763
Caller Name: MIKE CESARE | Caller Agency: CON EDISON | Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE | Contact for more spill info: CALLER | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/20/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 pt of fluid spilled on 200 gallons of water no sewers or waterways affected cleanup pending results

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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131932:

approx 1 pint of unknown oil on approx. 200 gallons of water in transformer manhole # 499. Conduit plate 22-G-3 indicates no sewer connection at this location. Clean up pending sample results. Historical data from transformer indicates 10 ppm PCB's Lab analysis # 95-0303-01.

Lab Sequence Number: 00-05963 PCB <1 ppm

6/21/00 Negron & Brown completed cleanup at 19:15. 2 pints of oil and 280 gallons of water removed from structure. No sewer connection or earthen sump. Tag removed and hole double washed.

Map Identification Number 98 **217 EASTMONT AV/BX** **Spill Number: 8905893** **Close Date: 09/15/1989**
217 EASTMONT AVENUE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2087 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 217 E TREMONT AVENUE
Revised zip code: 10457

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Citizen Notifier Name: Notifier Phone:
Caller Name: P O TOBIN SHUEY Caller Agency: USCG Caller Phone: (212) 668-7920
DEC Investigator: SIGONA Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/14/1989	09/15/1989	UNKNOWN	UNKNOWN	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

DEC REPORTED PROBLEM TO NYCDEP HAZ MAT(PAUL WONG).

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

10/10/95: This is additional information about material spilled from the translation of the old spill file: AMMONIA SULFUR ODOR.

Map Identification Number 99 **STREET** **Spill Number: 9713137** **Close Date: 05/01/1998**
MORRIS AVE/ E. 174TH ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2097 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Responsible Party Notifier Name: MR GARCIA Notifier Phone: (718) 583-5682
Caller Name: CHRISTINA CONCI Caller Agency: DEP Caller Phone: (718) 595-6777
DEC Investigator: SMMARTIN Contact for more spill info: MR GARCIA Contact Person Phone: (718) 651-0347

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/24/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller stated to dep that workers on street sweeping unk oil into catch basin

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
REFER TO DEP ECS.HANDLED BY NYC DEP.

Map Identification Number 100 **SB 15081** **Spill Number: 0100454** **Close Date: 05/17/2001**
IFO 1967 GRAND CONCOURSE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2103 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: RICHARD ROACH
DEC Investigator: JHOCONNE

Spiller: UNKNOWN - UNKNOWN
Notifier Name: MR MCKEEVER
Caller Agency: CON EDISON
Contact for more spill info: RICHARD ROACH

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6764

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/12/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	15.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

15 gals unk oil on 20 gals of water - clean up in progress

no smoke or fire, no private property affected

con ed #136407

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
CON ED E2MIS REPORT 4-12-01

15gals.of unknown oil found on 20gals. of water in SB 15081. Sample taken, tag installed, cleanup pending test results. DEP representatives St. Jean at location informed Sup. that he was issuing a Commisioners Order for this job because we did not take samples direclty to lab but brought them back to Van Nest tool room and had them take samples to lab.

Flashpoint 174 degrees we notified Sup. to have tanker start to drain S/B at 1345hrs.

Cleanup has been completed and the environmental stop tag removed. 250gals. of oil and water was generated and was transported via tanker truck. Structure was double washed using Bio Gen 760. Cleanup complete.

Map Identification Number 101 **RESIDENCE** **Spill Number: 9911846** **Close Date: 04/06/2000**
1764 WEEKS AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2107 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Affected Persons
Caller Name: EMANUEL GUTZMER
DEC Investigator: MCTIBBE

Spiller: UNKNOWN - UNKNOWN
Notifier Name: EMANUEL GUTZMER
Caller Agency: HOMEOWNER
Contact for more spill info: EMANUEL GUTZMER

Spiller Phone:
Notifier Phone: (718) 731-3286
Caller Phone: (718) 731-3286
Contact Person Phone: (718) 731-3286

Spill Class: POSSIBLE REL WITH MIN POTENTIAL FOR FIRE OR HAZARD (OR KNOWN REL W/ NO DAMAGE);NO DEC RESP;WILLING RP;CORR ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/11/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
RAW SEWAGE	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

ROTO-ROOTER AT RESIDENCE-STILL UNABLE TO TAKE CARE OF PROBLEM.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
NOT PETROLEUM. TOLD CALLER TO CALL DEP TO SEE IT MAIN WAS CLOGGED.

Map Identification Number 102 **MANHOLE 23731** **Spill Number: 9910988** **Close Date: 03/28/2002**
UNIVERSITY AVE/W 180TH ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2135 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Affected Persons | Notifier Name: | Notifier Phone:
Caller Name: STEVEN CRIBBIN | Caller Agency: CON ED | Caller Phone: (212) 580-8576
DEC Investigator: COMENALE | Contact for more spill info: CALLER | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/16/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

CALLER REPORTED SHEEN ON WATER IN MANHOLE APPROZ 50 GALLONS IN HOLE.CON ED # 129311. SAMPLE TAKEN.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 103 **SERVICE BOX # 9123** **Spill Number: 0409807** **Close Date: 05/05/2005**
EAST 176TH/TOPPING AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2147 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: E 176TH ST / TOPPING AVE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: ERT DESK - SERVICE BOX # 9123 | Spiller Phone: (212) 580-8383
Notifier Type: Responsible Party | Notifier Name: LARRY COSTA | Notifier Phone: (212) 580-8383
Caller Name: LARRY COSTA | Caller Agency: CON ED | Caller Phone: (212) 580-8383
DEC Investigator: GDBREEN | Contact for more spill info: ERT DESK | Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/02/2004		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ON 20 GALLONS OF WATER: CREW WAS PUMPING OUT WATER DID NOT KNOW OIL WAS IN THERE AT LEAST 3 GALLONS WAS PUMPED OUT INTO STREET: NO TO 5 QUESTIONS: CLERANING UP STREET AT THIS TIME. #156442.

DEC Investigator Remarks:

02-Dec-2004 11:05 hrs. Lawrence Galasso 51615 discovered 3 gals of #6 fuel oil from unk Third Party source under 20 gals of water and partially pumped to street. Pumping stopped once heavy fuel oil was noticed under the water. No release to sewer or waters involved. Env yellow tag 34753 placed in SB. Sample taken for flashpoint, ID and PCB on coc Street being cleaned and drummed and returned to VNSC pending samples. Remainder of fuel and water in SB will be cleaned pending samples.

Lab Sequence Number: 04-10011-001 - TOTAL PCB 10 ppm

06-Dec-2004 10:10 hrs.
Bx/West Emvironmental Flush Mech. T. Brown # 44432 reported that the CFS. tanker removed 25 gallons of liquid from the service box and the flush crew removed 25 Lbs. of non-hazardous solid waste. The crew triple washed and rinsed the hole with water and 760 soap and the CFS tanker removed all liquids. There was no evidence of the source of entry of the oil into the service box. The Crew removed Environmental tag # 34753. CLEANUP COMPLETE.

Map Identification Number 104 **VAULT #12005** **Spill Number: 0608641** **Close Date: 03/19/2007**
180 STREET & ANDREW AVENUE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2163 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 180TH ST / ANDREWS AVE S
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name:
DEC Investigator: GDBREEN

Spiller: ERT DESK - CON EDISON VAULT #12005
Notifier Name:
Caller Agency:
Contact for more spill info: ERT DESK

Spiller Phone: (212) 580-8383
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/25/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTS SPILL CONTAINED TO CONCRETE VAULT. CLEANUP NOT STARTED AS OF YET DUE TO PARKING RESTRICTIONS AND DIFFICULTY ENTERING THE VAULT AS WELL AS IMPENDING STORM. REF.#203037. NO TO THE FIVE QUESTIONS.

DEC Investigator Remarks:

03/19/07 - See e-docs for Con Ed report detailing cleanup and closure.

203037. see eDocs

Map Identification Number 105 **VAULT # VO1146** **Spill Number: 0409780** **Close Date: 10/23/2006**
WEST 180TH/ANDREWS AVE ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2163 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 180TH ST / ANDREWS AVENUE
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name: LARRY COSTA
DEC Investigator: GDBREEN

Spiller: ERT DESK - VAULT # VO1146
Notifier Name: LARRY COSTA
Caller Agency: CON ED
Contact for more spill info: ERT DESK

Spiller Phone: (212) 580-8383
Notifier Phone: (212) 580-8383
Caller Phone: (212) 580-8383
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/02/2004		UNKNOWN	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

ON 100 GALLONS OF WATER: MINOR AMOUNT HAS LEAKED OUT DOOR ONTO SOIL & GRASS: IN PROCESS OF CLEANING UP. NO TO 5 QUESTIONS. See 156432.000

DEC Investigator Remarks:

10/23/06 - See e-docs for Con Ed report detailing cleanup and closure.

e2mis 156432

Mechanic Ed Sepulveda discovered 1 gal of transformer oil on 100 gals of water in walk-in vault V-1146 on fdr 3X69 and minor amount on 3 foot by 4 foot area has seeped out of doors and continuing to seep onto soil and grass. No smoke or fire is/was involved. Vault is located on Bronx Community College Property with 3 other vaults (V-1205, V1063, V992). No release to sewers or waters. No reported injuries. Rainy weather yesterday contributed to water in vault. I&A networks on location attempting to contain the spill to soil. CFS >50 tanker ordered to removed liquids, none available until at least 12:00 or 13:00 hours. Env yellow tag 20068 placed on vault. Sample taken on coc DD10629. Drums being delivered from Van Nest SC tool room to excavate soils, but need tanker and UG env crew to remove liquids from vault which continues to seep out minor amount of oil and water to soil and grass. CIG Larry
Costa notified 13880 at 09:10 hours. EHS Sr. Spec Ken Trager 17063 dispatched to investigate.
Rich Benkwitt 38373.

02-Dec-2004 10:10 hrs. EHS Ken trager on location. I&A O/S Alfons Ferretti 42925 updated amount of oil to 2 gals on 100 gals of water. Crew will excavate soils, but water/oil mix still
seeping out. Rich Benkwitt 38373

02-Dec-2004 10:10 hrs
NYP004 127 403 issued.

12/02/2004
Lab Sequence Number: 04-09998-001 MATRIX: OIL GRAB TOTAL PCB 14 ppm
Changed CFS tanker to <50 based on sample results.

2-Dec-2004 18:59hrs.
I&A O/S Alfons Ferretti 42925 reports partial cleanup complete. During operations as liqued was removed from structure the transformer gage indicated the unit went below min. creating an unsafe work location. Final cleanup of unit will be pending equip. to be de-energized. CFS tanker took on 100 gallons of PCB liqued <50 PPM for transport and disposal at Astoria WWTF. I&A generated 2 55-gal.drums and 1 bag of non-haz oily debris solids from soil excavation and
transported waste to Van Nest Service Center for proper storage and disposal. Structure and sidewalk and outside of transformer were double washed and rinsed. No liqued is observed exiting the unit or remaining on structure floor. Env. Tag remains in place.

03-Dec-2004 15:34 hrs.
TC on fdr 3x69 now and FOD marking cable per FCR Mike Murray, live end cap in adjacent manhole stilll not complete. Scheduled CFS <50 tanker for Sat 08:00 AM to drain unit and UG env crew to flush walk-in vault. this will complete partial cleanup of vault and

assumed leaking transformer below min.

Historic sampling results:
3/12/1995 31 ppm
7/9/1986 17 ppm

04-December-2004 13:00 hrs.
At 10:00 hrs. Bx/West Environmental Flush Mechanic N. Lopez # 19018 reported that the CFS. Tanker removed 50 gallond of liquid. The Vault was double washed and rinsed with 760 soap and water and the CFS tanker removed all liquids. The Flush crew removed 2 bags of non-hazardous waste which will be deposited in the temporary non-hazardous waste area at Van Nest Service Center. The I&A are on location draining the unit for removal. Partial Cleanup complete, final cl;eanup pending the transformer removal. Crew on location N. Lopez # 19018, M. McDonnell # 17152.

14-Feb-2005 17:29
Flush Mech M. Williams 83739 reports cleanup complete performing a double wash and rinse removing 1/2 cubic yard of non-hazardous debris to be brought to Hellgate pit fro temporary disposal. Env tag 20068 was removed and the source of the oil which was the transformer has been removed and will be replaced. No oil is entering the structure at this time.

Map Identification Number 106 **JEROME AV @ EDEN AV** **Spill Number: 8805315** **Close Date: 09/20/1988**
JEROME AV @ EDEN AV NYC, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2181 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: JEROME AV / MOUNT EDEN AV W
Revised zip code: 10452

Source of Spill: UNKNOWN Spiller: UNK Spiller Phone:
Notifier Type: Fire Department Notifier Name: Notifier Phone:
Caller Name: DSPTCHR 303 Caller Agency: NYFD Caller Phone: (212) 430-0200
DEC Investigator: TOMASELLO Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/20/1988	09/20/1988	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

TRACTOR TRAILER ACCIDENT RUNNING INTO CATCH BASIN. NYC SEWER DEPT HASBEEN NOTIFIED. TRANSIT AUTH, EPA, & DEP(COX) WERE NOTIFIED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 107 **2084 GRAND AVENUE** **Spill Number: 9306130** **Close Date: 06/03/2002**
2084 GRAND AVENUE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2252 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNK Spiller Phone:
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: STEVE TAGER Caller Agency: PETROL TANK CLEANERS Caller Phone: (718) 624-4842
DEC Investigator: TOMASELLO Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/18/1993		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	60.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CONTAINED IN TANK BOOM - FD IS THERE - PETROL TANK SENDING A VAN-DRISOL - VAC TRUCK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 108 **2084 GRAND AVENUE** **Spill Number: 9306121** **Close Date: 08/20/1993**
2084 GRAND AVENUE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2252 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: UNK | Spiller Phone:
Notifier Type: Local Agency | Notifier Name: | Notifier Phone:
Caller Name: MARIA AVILES | Caller Agency: NYC DEP | Caller Phone: (718) 595-6700
DEC Investigator: ADZHITOM | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/18/1993	08/20/1993	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL CONTAINED IN BASEMENT AT THIS TIME. FIRE HAZ/MAT IS AT SCENE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"
10/10/95: This is additional information about material spilled from the translation of the old spill file: FUEL OIL.

Map Identification Number 109 **MANHOLE 29558** **Spill Number: 9814034** **Close Date: 03/01/1999**
CEDAR AVE/W TREMONT AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2295 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: RICHARD ROACH - CON EDISON | Spiller Phone: (212) 580-6763
Notifier Type: Responsible Party | Notifier Name: MR VESELI | Notifier Phone:
Caller Name: TONY CONSTANTINE | Caller Agency: CON EDISON | Caller Phone: (212) 580-6763
DEC Investigator: CAENGELH | Contact for more spill info: TONY CONSTANTINE | Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/19/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

labs pending - contained in 1000 gals water

con ed 123355

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
DEC Inspector Notes:

2/24/98: Spoke to ERT Perez- he is ot investigate why spill of oil appears to have been cleaned before PCB results obtained.

Con ed e2mis notes:

ON 2/20/99 TO crews responded to manhole to perform cleanup. Thre ws only a sheen in the manhole. Not 2 gallons of oil. Pads were placed to absorb sheen. There was not enough product in the manhole to take a sample. The sheen was completely absorbed with the pads.

Map Identification Number 110 **IN MANHOLE** **Spill Number: 9808990** **Close Date: 10/20/2004**
CEDAR AVE / TREMONT AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2295 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: CEDAR AV / W TREMONT AV
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:	UNK	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	TONY CONSTANTINE	Notifier Phone:	(212) 580-6763
Caller Name:	TONY CONSTANTINE	Caller Agency:	CON ED	Caller Phone:	(212) 580-6763
DEC Investigator:	CAENGELH	Contact for more spill info:		Contact Person Phone:	

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/19/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTEWATER	OTHER	300.00	GALLONS	0.00	GALLONS	SOIL
UNKNOWN PETROLEUM	PETROLEUM	30.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

material found in manhole unk source or cause clean up after lab results

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

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e2mis no. 120624:

19-OCT-1998
BLACKMAN FROM THE CORROSION GROUP (CENTRAL GAS) REPORTED THAT HE FOUND APPROX 30 GAL OF UNKNOWN OIL AND 500 GAL OF WATER IN MH 29007. THIS IS A 345 KV MANHOLE (FDRS M51/52). SPILL IS CONTAINED. NO SEWERS/WATERWAYS IMPACTED. VERNON SCHAFFER FROM TRANSMISSION OPERATIONS WAS CONTACTED. HE WILL FOLLOW UP AND HAVE A CREW SAMPLE AND TAG THE LOCATION.

CLEANUP CHECKLIST
Containment/Cleanup Activities (per GEI 2.11, 2.13, 2.16, 3.2, or 3.3)
X Removed/recovered liquid/solids.
X Used absorbents to remove residual fluids.
X Removed visible traces of oil.
X Washed stained areas.
Name of contractor : CLEAN HARBORS INC.
Cleanup completed on Date: 10/20/98 Time*: 15:00
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Map Identification Number 111 **MANHOLE #20256** **Spill Number: 9913437** **Close Date: 02/28/2002**
W. 175TH ST & MONTGOMRY BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2308 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: W 175TH ST / MONTGOMERY AV
Revised zip code: 10453

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: JIMMY FOX
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name: MR DIXON
Caller Agency: CON ED
Contact for more spill info: JIMMY FOX

Spiller Phone:
Notifier Phone: (212) 580-7663
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/28/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

clean up pending test results ref #130153

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 112 **#6 IN MNHLE-173 ST & SEL** **Spill Number: 8602591** **Close Date: 07/21/1986**
173 ST & SELWYN AVE. NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2354 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: E 173RD ST/SELWYN AVE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: UNKNOWN AT THIS TIME | Spiller Phone:
Notifier Type: Affected Persons | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: UNASSIGNED | Contact for more spill info: | Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/21/1986	07/21/1986	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	UNKNOWN	0	UNKNOWN	GROUNDWATER

Caller Remarks:

OIL IN MANHOLE AT THIS LOCATION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "

Map Identification Number 113 **MANHOLE #23914** **Spill Number: 9911740** **Close Date: 03/21/2002**
CRESTON AV & BURNSIDE AV BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2355 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: CRESTON AVE / E BURNSIDE AVE
Revised zip code: 10453

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Affected Persons | Notifier Name: NATE MOORE | Notifier Phone: (212) 580-6763
Caller Name: RICHARD ROACH | Caller Agency: CON EDISON | Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE | Contact for more spill info: RICHARD ROACH | Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/09/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

clean up pending test results - no water - Con Ed #129534

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

e2mis no. 129534:

JAN. 9, 2000 bronx fod j. jakubowski #38098 reports approx 3 gallons of oil in mh and no water. oil is in the corner of hole in dirt. diapers have been placed to prevent oil from spreading. supervisor is on route to take sample and tag in hole. clean-up is pending
results

1-10-00 10:56
LSN 00-00257 26 PPM aroclor 1254.

1-10-00 16:08 Plate 24-h-2 indicates no sewer connection in this manhole.

01/14/00 @ 13:15 Hrs. Flush operator J. Rohe repports that the clean up is complete in manhole # 23914. The (3) gallons of heating oil and approx. (75) gallons of wash water were removed by corporate tanker, solid debris was placed in (3) plastic bags and taken to the Van Nest Service Center to be disposed as NON-HAZARDOUS waste. There was no sewer connection in this manhole to seal, and sump is concrete. Mr. Rohe removed environmental tag. Mr. Rohe reports that the oil is home heating oil from a recently dug up fuel tank in the vicinity of this manhole.

21-MAR-2002 @ 10:00 Hrs Flush Operating Supervisor Charlie D'Alisera and EH&S Sr. Specialist Jim Grahan inspected MH's 23914 & 23915 on Wednesday 3/20/02 and found both manholes were dry and there was no oil present. Supervisor D'Alisera remembers that these holes were found to have heating oil in them do to the apartment building filler neck being broke. Contractor repaired and problem was corrected.

Map Identification Number 114 **MANHOLE 23915** **Spill Number: 9911498** **Close Date: 03/21/2002**
CRESENT AV/BURNSIDE AV BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2355 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: CRESTON AV / E BURNSIDE AV
Revised zip code: 10453

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: RICHARD ROACH
DEC Investigator: CAENGELH

Spiller: UNKNOWN
Notifier Name: BRUCE MARKET
Caller Agency: CON EDISON
Contact for more spill info: RICHARD ROACH

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/03/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CON ED #129468

SAMPLE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

Map Identification Number 115 **MANHOLE - # 23915** **Spill Number: 9909079** **Close Date: 03/21/2002**
CRESTON AV & E BERNSIDE A NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2355 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: CRESTON AV / E BURNSIDE AV
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN - UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	BILL MURPHY	Notifier Phone:	(212) 580-6763
Caller Name:	BILL MURPHY	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	CAENGELH	Contact for more spill info:	BILL MURPHY	Contact Person Phone:	(212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/26/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 gal of unk oil not on any water - sample taken - clean up is pending lab results - pcb test and id test taken

con ed # 128658

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

e2mis no. 128658:

10/26/99 @ 14:15 hrs. Mechanic R. Mercado reports approximately (1) gallon of unknown oil in dirt on floor of manhole # 23915.
Conduit plate 24-H-2 indicates no sewer connection at this location. He took (2) samples, one for PCB, and one for oil identification. He placed environmental tag # 09475. Clean up pending sample results.

10/28/99 @ 15:15 hrs.
Lab Sequence Number: 99-11326 PCB 26 PPM

10/28/99 @ 15:15 hrs.
Lab Sequence Number: 99-11327
ANALYSIS INDICATES THE PRESENCE OF AN OILY SUBSTANCE SIMILAR TO A HEAVY FUEL OIL.

Cleanup completed on 11-8-99 at 1430 hours. 1-gallon oil and 200 gallons water removed via tanker. PCB 26 PPM. Manhole flushed.
No sewer connection. Tag Removed.

21-MAR-2002 @ 10:00 Hrs Flush Operating Supervisor Charlie D'Alisera and EH&S Sr. Specialist Jim Grahan inspected MH's 23914 &

23915 on Wednesday 3/20/02 and found both manholes were dry and there was no oil present. Supervisor D'Alisera remembers that these holes were found to have heating oil in them do to the apartment building filler neck being broke. Contractor repaired and problem was corrected.

Map Identification Number 116 **MAN HOLE # 2531** **Spill Number: 9907063** **Close Date: 11/29/1999**
EASTBURNSIDE AV/CRESTON A BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2355 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: EAST BURNSIDE AVE / CRESTON AVE
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	SCMID	Notifier Phone:	
Caller Name:	MIKE CESARE	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	MIKE CESARE	Contact Person Phone:	(212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/13/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	6.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

6 gallons on 50 gallons of water. sampled and clean up pending results.

con ed# 127791

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
con ed e2mis notes:

oil/water mix in MH2531, 6 gallons oil in approx 50 gal water, sample taken, conduit plate 24-H-2 indicates no sewer connection.

Cleanup complete, 50 gal oily water removed...800 LBS solid waste removed...sump sealed ...However, hole makes water thru wall...tag pulled, Cleanup compl 2115 hrs 9/30

Map Identification Number 117 **MAN HOLE # 23914** **Spill Number: 0009776** **Close Date: 12/28/2000**
CRESTON AVE/BURNSIDE AV BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2355 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: CRESTON AVE / E BURNSIDE AVE
Revised zip code: 10453

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: MARK SCHLAGEL
DEC Investigator: KMFOLEY
Spiller: UNKNOWN - UNKNOWN
Notifier Name: MARK SCHLAGEL
Caller Agency: CON EDISON
Contact for more spill info:
Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/28/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

con ed # 134528 spill is confined in the man hole clean up pending lab results

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
e2mis Notes:

1 pint unknown oil in MH23914 with no water in manhole. Conduit Plate #24-H-2 indicates no sewer connection. Sample taken and returned 68ppm PCBs. Clean Harbors was called to do cleanup because results for flashpoint will not be back soon enough. harlie D'Alisera reports Clean Harbors did cleanup in manhole but was unable to remove tar like substance from floors and walls. Flush crew will soda blast hole. Flashpoint results <212degF. Flush Maechanic J. Rohr reports 1 pint of oil and 50gal water removed. Flush soda blasted and double washed manhole. Cleanup completed 50-499ppm at 12:15.

KMF 4/11/01

Map Identification Number 118 **MANHOLE 2531** **Spill Number: 0007197** **Close Date: 11/27/2001**
CRESTON AV/E BURNSIDE AV BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2355 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: BILL MURPHY
DEC Investigator: JHOCONNE

Spiller: UNKNOWN
Notifier Name: MARKERT
Caller Agency: CON EDISON
Contact for more spill info: BILL MURPHY

Spiller Phone:
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/19/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SHEEN ON 100 GALS OF WATER CONFINED TO MANHOLE - SAMPLE TAKEN CLEAN UP PENDING RESULTS - CON ED 133479 -SAMPLE TAKEN OF TARLIKE SUBSTANCE ON WALL OF MANHOLE ALSO

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis #133479 Notes:

9-19-00 Undiaperable sheen on 100gal water in manhole. Conduit plate indicates no sewer connection. There is a tar-like substance on the wall of manhole. Sample results are <1ppm PCB.

9-20-00 Corporate tanker removed 1/2pt unknown oil and 500gal water from manhole. Cleanup completed by double washing with slix. Liquids removed by tanker. No solids were generated. No leaking equipment. Sump sealed.

Map Identification Number 119 **BRONX LEBANON HOSPITAL** **Spill Number: 9905835** **Close Date: 08/18/1999**
1650 GRAND CONCOURSE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2400 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: JIM CAREY
DEC Investigator: SMSANGES

Spiller: DAVID WOODS - BRONX LEBANON HOSPITAL
Notifier Name: BILL VANBOMEL
Caller Agency: CASTLE OIL CORPORATION
Contact for more spill info:

Spiller Phone: (718) 518-5288
Notifier Phone: (718) 579-3414
Caller Phone: (718) 579-3414
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/16/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	30.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

on the loading dock fire dept on the scene cleanup crew on the way

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
SANGESLAND CALLED - SAFETY MANAGER AT HOSPITAL STATED THAT CASTLE DRIVER OVERFILLED A 10,000 GAL TANK. APPROX 30 GAL CAME OUT OF THE VENT LINE ON THE LOADING DOCK. DUE TO SLOPE, OIL TRAVELED OUT TO STREET AND APPROX 50 FEET TO CITY STORM SEWER.

DRIVER DID WHAT HE COULD TO SHUT DOWN AND CONTAIN SPILL, BUT SOME OIL DID MAKE IT INTO THE SEWER. CASTLE OIL HIRED MILRO ASSOC. TO BRING IN A VAC TRUCK TO CLEAN OUT THE SEWER.

8/18/99 Sangesland called Milro -- clean up complete

closed

PBS Inspection performed on 8/9/02, NOV issued on 9/23/02 by DEC Sigona.

Map Identification Number 120 **BRONX LEBANON HOSPITAL** **Spill Number: 0204648** **Close Date: 11/21/2003**
1650 GRAND CONCORSE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2400 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 1650 GRAND CONCOURSE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: ANTHONY CHARLES
DEC Investigator: TJDEMEO

Spiller: SAME
Notifier Name:
Caller Agency: PETROLEUM TANK CLEANERS
Contact for more spill info: JACK HAWKINS

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 624-4842
Contact Person Phone: (718) 518-5025

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
08/01/2002		UNKNOWN	2-608015	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

caller says he got a call stating materal came up thru the vent

lines - no further info avaliable at this time

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
COPIED ECO.

DEC Sigona sent an NOV from PBS on Sept 23, 2002 after a PBS inspection was performed on 8/9/02

11/21/03 TJD

Spill cleaned by PTC. No disposal documents submitted. Spill closed.

Map Identification Number 121 **Spill Number: 0009866** **Close Date: 07/29/2003**

2055 CRESTON AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2420 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: JOANNE NURSE
DEC Investigator: SIGONA

Spiller: UNKNOWN
Notifier Name: JIM GRAHAM
Caller Agency: NYC DEP
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-4784
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/30/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

CALLER STATED THAT NOTIFIER SAW SPILL IN SEWER. NOTHING FURTHER.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 122 **W. 179TH ST & CEDAR AVE** **Spill Number: 9502789** **Close Date: 06/05/1995**

W. 179TH ST & CEDAR AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2491 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W. 179TH ST / CEDAR AVE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: GWENDOLYN HAWKINS
DEC Investigator: KSTANG

Spiller: UNKNOWN
Notifier Name:
Caller Agency: NYC DEP
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-6700
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/05/1995	06/05/1995	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

UNKNOWN MATERIAL SPILLED ENTERING SEWERS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"

Map Identification Number 123 **ONE PINT OIL IN VAULT # 4116** **Spill Number: 0611957** **Close Date: 02/16/2007**
1750 SEDGWICK AVENUE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2493 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name:
DEC Investigator: GDBREEN
Spiller: ERTS - CON EDISON
Notifier Name:
Caller Agency:
Contact for more spill info: ERTS
Spiller Phone: (212) 580-8383
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/26/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

1 PINT; PARTIAL CLEAN UP; CLEAN UP PENDING EQUIPMENT; REF #204264

DEC Investigator Remarks:

02/16/07 - See e-docs for Con Ed report detailing cleanup and closure.

204264. see eDocs

Map Identification Number 124 **Spill Number: 0308449** **Close Date: 12/11/2003**

2065 CRESTON AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2499 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Local Agency
Caller Name: SEAN DONOHUE
DEC Investigator: SMSANGES

Spiller:
Notifier Name: SEAN DONOHUE
Caller Agency: DEP
Contact for more spill info: MR SMITH

Spiller Phone:
Notifier Phone: (212) 689-1520
Caller Phone: (212) 689-1520
Contact Person Phone: (718) 579-6782

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/10/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

cleanup in progress

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
Number for "Mr. Smith" does not work

Sean Donahue of DEP said the spill was minor and under control.

Map Identification Number 125 **Spill Number: 9808922** **Close Date: 10/19/1998**

174 UNIVERSITY AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2512 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: W 174TH ST / UNIVERSITY AVE
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL VEHICLE Spiller: UNKNOWN Spiller Phone:
Notifier Type: Citizen Notifier Name: Notifier Phone:
Caller Name: EBONY GENROSS Caller Agency: CITIZEN Caller Phone: (718) 294-5387
DEC Investigator: MCTIBBE Contact for more spill info: Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;UNABLE/UNWILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/16/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

ABONDONED TRUCK ON UNIVERSITY LEAKING OIL ONTO THE ROADWAY. CALLER WANTS TRUCK CHECKED OUT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
PHONE NOT WORKING. 174 UNIVERSITY AVENUE DOES NOT EXIST. COULD NOT FIND TRUCK.

Map Identification Number 126 **1775 CLAY AVE** **Spill Number: 9804012** **Close Date: 06/29/1998**
1775 CLAY AV BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2556 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: SAL SAMMARTANO
DEC Investigator: SMMARTIN

Spiller: UNKNOWN
Notifier Name: DRIVER
Caller Agency: MYSTIC
Contact for more spill info: NO CONTACT NAME OR PHONE#

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 932-9075
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/29/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

EITHER A BAD GADGE OR FALSE TANK SIZE - SPILL IS CONTAINED ON SIDE WALK - PUTTING SPEEDI DRY DOWN

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
(718) 299-1922 SUPER - LEFT MESSAGE

Map Identification Number 127 **1972,74 CEDAR AVENUE. / B** **Spill Number: 8701256** **Close Date: 03/13/2003**
1972,74 CEDAR AVENUE. NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2618 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: 1972 CEDAR AVENUE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: UNKNOWN @ MR./MRS.JACKSON | Spiller Phone: (212) 731-5197
Notifier Type: Fire Department | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: BATTISTA | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;HIGHLY IMPROBABLE

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/13/1987		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	GROUNDWATER

Caller Remarks:

OIL LIKE SUBSTANCE COMING OUT OF THE GROUND BEHIND 1974 CEDAR AVENUE.FIRE DEPARTMENT CANNOT FIND THE SOURCE.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

/ / : DEC WILL INVESTIGATE.

10/10/95: This is additional information about material spilled from the translation of the old spill file: UNKNOWN OIL.

CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 128 **MANHOLE 14272** **Spill Number: 9908266** **Close Date: 02/20/2002**
105-107 WEST TREMONT AV BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 152 feet to the WNW*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: MIKE CESARE
DEC Investigator: COMENALE

Spiller: CALLER - CON ED
Notifier Name: DIXON
Caller Agency: CON EDISON
Contact for more spill info: MIKE CESARE

Spiller Phone: (212) 580-6763
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/07/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

LEAKING CABLE JOINT CAUSED 1/2 PINT OF PRODUCT TO SPILL IN DRY MANHOLE - CLEAN UP PENDING LAB RESULTS - CON ED #128303

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 129 **RESIDENCE** **Spill Number: 0005234** **Close Date: 08/02/2000**
1750 GRAND AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 165 feet to the SW*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Responsible Party
Caller Name: CHARLES MALONE
DEC Investigator: JMKRIMGO

Spiller: CALLER - CASTLE OIL CO
Notifier Name: ANTHONY ALSTON
Caller Agency: CASTLE OIL CO
Contact for more spill info: 1750 REALTY CORP

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 579-3480
Contact Person Phone: (718) 432-1700

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/01/2000		TANK OVERFILL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	600.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

appears to be tank overfill -- clean up crew on scene.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
Fill line has a leak. Should be peraired next day. RP cleaned up the spill.

Map Identification Number 130 **125 W. TREMONT AVE** **Spill Number: 9406349** **Close Date: 08/10/1994**
125 W. TREMONT AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 257 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: P & O REALTY BLDG | Spiller Phone:
Notifier Type: Other | Notifier Name: | Notifier Phone:
Caller Name: DORIS BEREIDERFER | Caller Agency: CASTAL REF. | Caller Phone: (718) 746-2417
DEC Investigator: SMMARTIN | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/10/1994	08/10/1994	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

GAUGE MALFUNCTION-SPILL ON CONCRETE SIDEWALK & CONTAINED WITH SAWDUST. SERVICE ENROUTE TO FOLLOW UP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"

Map Identification Number 131 **125 WEST TREMONT AVE.** **Spill Number: 9313948** **Close Date: 03/08/1994**
125 WEST TREMONT AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 257 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: MYSTIC TRANSP. | Spiller Phone:
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: JOHN GOODMAN | Caller Agency: MYSTIC TRANSP. | Caller Phone: (718) 932-9075
DEC Investigator: JMROMMEL | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/26/1994	03/08/1994	HUMAN ERROR	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

4000 GAL TANK WAS SUPPOSED TO BE 5000 GAL. SPILL ON GROUND - DRIVER & SUPERINTENDENT ARE CLEANING. (TIBBE)

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"

Map Identification Number 132 **125 WEST TREMONT ST** **Spill Number: 8906296** **Close Date: 06/07/1995**
125 W TREMONT ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 257 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 125 W TREMONT AVE
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: ROBERT CABASSA
DEC Investigator: FINGER
Spiller: M.B. TRUCKING
Notifier Name:
Caller Agency: M.B. TRUCKING
Contact for more spill info:
Spiller Phone: (212) 328-3275
Notifier Phone:
Caller Phone: (212) 328-3275
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/26/1989	06/07/1995	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

DELIVERY HOSE BURST.SPILL CONTAINED WITH SPEEDY DRY.CONTACTED A.L. EASTMON FOR CLEAN UP.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 133 **APT. BUILDING** **Spill Number: 0710211** **Close Date: 12/26/2007**
1822 DAVIDSON AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 272 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: PRIVATE DWELLING Spiller: ROSALINE GASBAR - APT. BUILDING Spiller Phone: (718) 583-7017 ext. 1
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: hrpatel Contact for more spill info: ROSALINE GASBAR Contact Person Phone: (718) 583-7017 ext. 1

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/26/2007		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	20.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

effecting side walk and curb; DEFECTIVE GADGE; CLEANING CREW ON SCENE;

DEC Investigator Remarks:

12/26/07-Hiralkumar Patel. spoke with Ms. Gasbar. no spill inside building. oil spilled from vent pipe on sidewalk. spoke with Bob at Castle oil. oil spilled from vent on sidewalk and curb. no soil/grass area affected. no spill inside building.

case closed.

Map Identification Number 134 **Spill Number: 0210092** **Close Date: 06/23/2003**

62-66 W. TREMONT AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 439 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: MIKE RIORDAN
DEC Investigator: RWAUSTIN

Spiller: HDSC
Notifier Name: LARRY LOPEZ
Caller Agency: CASTLE OIL
Contact for more spill info: HDSC

Spiller Phone: (718) 716-7078
Notifier Phone:
Caller Phone: (718) 579-3403
Contact Person Phone: (718) 716-7078

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/06/2003		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	15.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

appears the wrong amount of oil was ordered - causing overfill

spill is just on the ground - spill clean up on scene

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
ARAKHAN 1/7/03 SPILL ON CONCRETE; NO SEWER AFFECTED. CLEANUP COMPLETED APPROX 10 PM ON 1/6 BY CASTLE CLEANUP CREW.

AUSTIN - BASED UPON NOTE FROM ARAKHAN, SPILL CLOSED OUT - END

Map Identification Number 135 **HAROLD DIAMOND APTS** **Spill Number: 0104736** **Close Date: 10/06/2003**
1721 GRAND AV BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 471 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Spiller: SUPERINTENTENDANT - HAROLD DIAMOND APTS
Spiller Phone: (917) 218-5122
Notifier Type: Other
Notifier Name: DRIVER
Notifier Phone:
Caller Name: PHILIP SILVERGLATE
Caller Agency: PETROLEUM SERVICES
Caller Phone: (800) 337-4536
DEC Investigator: MXTIPPLE
Contact for more spill info: SUPERINTENTENDANT
Contact Person Phone: (917) 218-5122

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/02/2001		EQUIPMENT FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	20.00	GALLONS	20.00	GALLONS	SOIL

Caller Remarks:

GAUGE ON THE OIL TANK WAS OFF.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
9/19/03 TIPPLE SENT REQUEST FOR DOCUMENTATION////

9/23/03 BLD MGR TO FORWARD DOCUMENTATION//PHOTOS OF VENT/FILL/TANK ROOM///

10/06/2003 tipple recieved photos of clean areas, nfa issued

Map Identification Number 136 **E177TH STREET & JEROME AV** **Spill Number: 9809680** **Close Date: 11/04/1998**
E177TH STREET & JEROME AV BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 511 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: E 177TH ST / JEROME AV
Revised zip code: 10453

Source of Spill: UNKNOWN
Notifier Type: Police Department
Caller Name: DET CLEVELAND SIMS
DEC Investigator: SIGONA

Spiller: UNKNOWN
Notifier Name: DEPT OF SANITATION
Caller Agency: NYC ENVIRONMENTAL POLICE
Contact for more spill info: DET CLEVELAND SIMS

Spiller Phone:
Notifier Phone: (212) 788-4058
Caller Phone: (212) 837-8452
Contact Person Phone: (212) 837-8452

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/02/1998		ABANDONED DRUM	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	25.00	GALLONS	75.00	GALLONS	SOIL

Caller Remarks:

CONTAINERS FOUND AT ABOVE LOCATION - SOME WERE TIPPED OVER CAUSING SPILL OF APPROX 25 GALS ON TO ROADWAY-SPILL HAS BEEN CONTAINED WITH

SPEEDY-DRI--------REQ CALL BACK FROM DEC REP.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

4-5 GALLON BUCKETS - WASTE OIL
1-25 GAL. DRUM - SPILLED

SPOKE TO SIMS; HE PUT UP TAPE

DEC (Sigona) investigated the complaint found 1-35 gallon drum and 4-5 gallon buckets of oil. Some of the oil was spilled on sidewalk between Walton & Jerome Ave along East 177th Street. There was also a abandoned washing machine. The drums were left on sidewalk near auto repair shop. DEC contacted ECO's on 11/3/98 to conduct search of neighborhood auto repair shops. There were no responsible parties found. photos were taken and Winston Contractors were hired by DEC. Speedi dry was used to cleanup 15 x 20- ft stain on sidewalk and overpack the drums and containers. Winston also removed drum place on E172nd Street under

spill no. 9809682

Map Identification Number 137 **CONED VEHICLE #607447** **Spill Number: 0405449** **Close Date: 12/29/2004**
1876 JEROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 549 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Responsible Party
Caller Name: PAUL DEDONOTO
DEC Investigator: SKARAKHA

Spiller: ERT DESK - CONED VEHICLE #607447
Notifier Name: PAUL DEDONOTO
Caller Agency: CONED
Contact for more spill info: ERT DESK

Spiller Phone: (212) 580-8383
Notifier Phone: (212) 580-6764
Caller Phone: (212) 580-6764
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/18/2004		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	OTHER	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

hydralic system failed on truck: In process of cleaning up No to 5 questions: coned # 154929

DEC Investigator Remarks:

e2mis no 154929

Dominic T. Cleary, 46911, report that while preparing to pull cable using cable truck 60747 there was a catastrophic failure of the vehicle’s hydraulic system and as much as 50 gallons of hydraulic fluid leaked from the vehicle and spilled to asphalt where it was contained using absorbent materials from spill kits. NO SEWERS, WATERWAYS, OR PRIVATE PROPERTY AFFECTED. Cleanup is in progress.

18-August-2004 13:54 Hrs
Flush Mechanic David Rodrigez, 01075, reports cleanup complete, 10 bags of speedy-dry were applied to absorb the spilled oil, 6 drums of nonhazardous oily debris was generated during the cleanup, the affected street area was power washed using degreaser "760" and approximately 50 gallons of nonhazardous oily washwater was removed by flush truck, and vehicle has been turned in to

CFS Garage for repairs before being returned to service.

Map Identification Number 138 **MANHOLE #16889** **Spill Number: 0504804** **Close Date: 01/10/2006**
EAST 176TH/JEROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 572 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: E 176TH ST / JEROME AVE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: PETE MCGURIE
DEC Investigator: SKARAKHA

Spiller: ERT DESK‘ - MANHOLE #16889
Notifier Name: PETE MCGURIE
Caller Agency: CONED
Contact for more spill info: ERT DESK‘

Spiller Phone: (212) 580-8383
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/21/2005		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

LEAKING CABLE IN MANHOLE; NO TO 5 QUESTIONS; NO CREW AVAILABLE AT THIS TIME; CONED #159919

DEC Investigator Remarks:

e2mis no 159919

Carl Clarke, 16836, found a leaking primary cable (feeder ID Pending Engineering) in Manhole 16899 at the southwest corner of East 176th Street and Jerome Avenue that spilled 1 quart of dielectric fluid to the floor of the manhole where it is contained. D-Fault tag 00217 assigned. No sewers, waterways, or private property affected. Environmental tag 46318 applied. Chain of Custody DD14143 assigned to PCB sample. Cleanup pending feeder outage. Due to extreme heat criteria suspension of feeder scheduling, required feeder outage and cleanup date unknown at this time.

Map Identification Number 139 **1868 HARRISON AVENUE** **Spill Number: 9502766** **Close Date: 06/05/1995**
1868 HARRISON AVENUE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 573 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Responsible Party
Caller Name: ROBERT CABASSA
DEC Investigator: KSTANG

Spiller: EDDIE BARROW
Notifier Name:
Caller Agency: MB TRUCKING
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 328-3275
Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/05/1995	06/05/1995	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	2.00	GALLONS	2.00	GALLONS	SOIL

Caller Remarks:

FAULTY GAUGE AT LOCATION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"

Map Identification Number 140 **APT BLDG** **Spill Number: 9812681** **Close Date: 01/14/1999**
1731 HARRISON AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 601 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING | Spiller: UNK - APT BLDG | Spiller Phone: (718) 583-2823
Notifier Type: Other | Notifier Name: JIM CAREY | Notifier Phone: (718) 579-3414
Caller Name: JIM CAREY | Caller Agency: CASTLE OIL CORPORATION | Caller Phone: (718) 579-3408
DEC Investigator: JXZHAO | Contact for more spill info: UNK | Contact Person Phone: (718) 583-2823

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/14/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

EQUIPTMENT FAILURE CAUSED TANK OVERFILL-PRODUCT WENT ONTO PAVEMENT

SPILL CREW IS ENROUTE FOR CLEANUP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHAO"
OCCURRED OUTSIDE OF THE BUILDING. NO SOIL CONTAMINANT. NO DRAINS AFFECTED. CLEAN UP IS ON PROGRESS.

Map Identification Number 141 **22 EAST TREMONT ST/BX** **Spill Number: 9000496** **Close Date: 04/16/1990**
22 EAST TREMONT ST NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 1151 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 22 EAST TREMONT AVE
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: HESS | Spiller Phone: (201) 489-5100
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: BOB NIXON | Caller Agency: HESS | Caller Phone: (201) 489-5100
DEC Investigator: TOMASELLO | Contact for more spill info: | Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/16/1990	04/16/1990	HUMAN ERROR	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ENGINEER FAILED TO SWITCH TANK OVERFILL, HESS CLEANING WITH SPEEDY DRYNYCDEP WILL WATCH CLEAN UP.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 142 **COLISEUM DEPOT** **Spill Number: 8701779** **Close Date: 06/02/1987**
110 E. 177TH STR NEW YORK, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1410 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Affected Persons
Caller Name:
DEC Investigator: MCTIBBE

Spiller: NYC TRANSIT AUTHORITY
Notifier Name:
Caller Agency:
Contact for more spill info:

Spiller Phone: (212) 690-9562
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/02/1987	06/02/1987	HOUSEKEEPING	UNKNOWN	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

EMPLOYEE COMPLAINING OF HAZARDOUS WORKING CONDITIONS FROM HAZARDOUS WASTE; DRUMS IN POOR SHAPE - FUMES CAUSING IRRITATION TO EYES.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"

10/10/95: This is additional information about material spilled from the translation of the old spill file: ALKALINE SOLUTION.

ASSIGNED TO TIBBE 4/18/01. UNASSIGNED PREVIOUSLY.

Map Identification Number 143 **APARTMNET BUILDING** **Spill Number: 0409906** **Close Date: 12/06/2004**
1777 GRAND CONCOURSE/175ST BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1412 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: 1777 GRAND CONCOURSE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Local Agency
Caller Name: MATT LABEW
DEC Investigator: SMSANGES

Spiller: JIM CLARK - APARTMNET BUILDING
Notifier Name: MATT LABEW
Caller Agency: NYC EMERGENCY MANAGENMT
Contact for more spill info: JIM CLARK

Spiller Phone: (347) 682-0692
Notifier Phone: (718) 422-8700
Caller Phone: (718) 422-8700
Contact Person Phone: (347) 682-0692

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/06/2004		EQUIPMENT FAILURE	YES	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

CALLER SAYS THAT A SEWAGE BREAK HAPPENED IN THE BASEMENT AND THAT THE SUPER WAS GOING TO PUMP IN THE STREET: THEY WOULD LIKE YOUR HELP AT THIS SITE

DEC Investigator Remarks:

12/6/2004 Raw Sewage spill in the basement of an HPD building. Con Ed is concerned because they have an electrical equipment room in the basement which MAY be impacted SOON.

Sangesland told Emergency Mgt. that Sewage is an issue for DEP. DEP is on site with a "Sewage Team"

A copy of the spill report was forwarded to Jane O'Connell (DEC Con Ed Monitor)

Spill Closed

12/6/04 2:30 PM - spoke with Jim Clark, Con Ed Emergency Management: Initial notification came from FDNY to Con Ed, Con Ed then notified OEM. OEM and FDNY requested that Con Ed cut service to the building before sewage impacted breakers in Con Ed electrical room. Before Con Ed could assess shutting down the building's power, DEP identified a sanitary sewer manhole outside the building and the building's contractor started pumping the sewage out of the basement into the sewer. The cause of the sewer backup was a

blocked house trap in the building's basement. This is a private apartment building (not City-owned). Presence of HPD staff at the building was explained by Clark - they were on site issuing summonses to building owner when incident occurred. (JHO)

Map Identification Number 144 **TRAFFIC ACCIDENT** **Spill Number: 9808123** **Close Date: 10/02/1998**
WB X BRONX XPRSWY/JEROME BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1845 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: I 95 / JEROME AVE
Revised zip code: 10452

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Fire Department
Caller Name: FIREFIGHTER HACK
DEC Investigator: SACCACIO
Spiller: UNKNOWN - JEFCO INC
Notifier Name: FIRE DEPT DISPATCHER
Caller Agency: NYS FIRE DPEARTMENT HAZ-M
Contact for more spill info: FIREFIGHTER HACK
Spiller Phone: (201) 865-2121
Notifier Phone: (917) 476-6261
Caller Phone: (917) 769-0483
Contact Person Phone: (917) 769-0483

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;HIGHLY IMPROBABLE

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/01/1998		TRAFFIC ACCIDENT	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

traffic accident deposited material onto roadway - sand will be applied after tractor trailer is moved from road

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 145 **CROSS BRONX EXPRESSWAY EB** **Spill Number: 9707515** **Close Date: 01/28/1998**
AT JEROME AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1845 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: I 495 EB / JEROME AVE
Revised zip code: 10451

Source of Spill: COMMERCIAL VEHICLE | Spiller: HIGH BRIDGE STONE | Spiller Phone: (201) 344-5522
Notifier Type: Fire Department | Notifier Name: 911 OPERATOR | Notifier Phone:
Caller Name: JOE ROVINI | Caller Agency: NYC HAZ MAT | Caller Phone: (917) 769-0483
DEC Investigator: O'DOWD | Contact for more spill info: JOE ROVINI | Contact Person Phone: (917) 769-0483

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/25/1997		TRAFFIC ACCIDENT	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	150.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

PUNCTURED DIESEL FUEL TANK ON VEHICLE FROM TRAFFIC ACCIDENT. MOST

OF THE MATERIAL HAS WENT INTO THE SEWER SYSTEM WITH THE REST ON THE PAVEMENT. NYC HAZ MAT STILL ON SCENE,

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 146 **CROSS BRONX X-PRESSWAY/JE** **Spill Number: 8703342** **Close Date: 07/25/1987**
CROSS BRONX X-WAY/JEROME NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1845 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: I- 95 / JEROME AVE
Revised zip code: 10452

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Citizen | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: UNASSIGNED | Contact for more spill info: | Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/24/1987	07/25/1987	ABANDONED DRUM	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	385.00	GALLONS	385.00	GALLONS	SOIL

Caller Remarks:

DRUMS DROPPED FROM PICK-UP TRUCK.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "
10/10/95: This is additional information about material spilled from the translation of the old spill file: 7-55GAL DRUMS/LIQUID.

Map Identification Number 147 **TRAFFIC ACCIDENT** **Spill Number: 0501045** **Close Date: 04/26/2005**
CROSS BRONX EX / JEROME A BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1845 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: I 95 / JEROME AVE
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Fire Department
Caller Name: RIPOLL
DEC Investigator: JBVOUGHT

Spiller:
Notifier Name: FDNY HAZMAT
Caller Agency: FDNY HAZMAT
Contact for more spill info: MICHAEL RIPOLL

Spiller Phone:
Notifier Phone: (917) 769-0483
Caller Phone: (718) 769-0483
Contact Person Phone: (917) 769-0483

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/25/2005		TRAFFIC ACCIDENT	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

ACCIDENT BETWEEN TWO TRACTOR TRAILERS RESULTED IN FUEL SPILL ONTO PAVEMENT AND SOME INTO A STORM DRAIN. SADDLE TANK ON BOTH TRUCKS RUPTURED. SPILL IS STOPPED AND CONTAINED.

DEC Investigator Remarks:

4/26/05-Vought-Site visit by Vought. On scene were FDNY Hazmat(Mike Ripoll), NYPD, NYCDOS and NYCFD. Two trucks involved in accident with no bodily injury. Spill on concrete and to storm drain. NYCDEP (Andrew Wood) arrived on site at 1am. As per NYCDEP no further action required on spill to storm drain. Spill cleaned using speedy dry and sand. Two (30-gallon) drums of adsorbent material generated. Tow company (Auto Rama 718-585-7100 718-585-8680) agreed to pick up drums. Vought called Autorama and drums were picked up and are at Autorama. Spill closed by Vought.

Map Identification Number 148 **WEST TREMONT** **Spill Number: 9512888** **Close Date: 02/06/1996**
228 WEST TREMONT AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1866 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Responsible Party
Caller Name: MR MANDALONE
DEC Investigator: HEALY

Spiller: FRANK OCELLO - NYC HOUSING
Notifier Name: RENE TOSADAS
Caller Agency: NYC HOUSING
Contact for more spill info: RENE TOSADAS

Spiller Phone: (212) 306-3229
Notifier Phone: (718) 299-7500
Caller Phone: (212) 306-3229
Contact Person Phone: (718) 299-7500

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/16/1996		TANK OVERFILL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	100.00	GALLONS	30.00	GALLONS	SOIL

Caller Remarks:

tank was overfilled by the driver.spill went into the soil.they

got approx 30 gallons cleaned up so far and they have winston

responding for the rest of the clean up.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 149 **Spill Number: 9812333** **Close Date: 01/08/1999**

2050 DAVIDSON AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1885 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	TANK TRUCK	Spiller:	CALLER - EMPIRE STATE FUEL OIL CO	Spiller Phone:	(718) 627-5100
Notifier Type:	Responsible Party	Notifier Name:	ANTHONY PUMA	Notifier Phone:	(718) 627-5100
Caller Name:	ANTHONY PUMA	Caller Agency:	EMPIRE STATE FUEL OIL CO	Caller Phone:	(718) 627-5100
DEC Investigator:	SMSANGES	Contact for more spill info:		Contact Person Phone:	

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/05/1999		TANK OVERFILL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

property owner over ordered and driver failed to stop fill till after material had spill spill contained in a concrete courtyard area eastman tank and cleaning co. is enroute for clean up

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

Map Identification Number 150 **SEDGEWICK AVE P.U.R.S.** **Spill Number: 0500419** **Close Date: 01/10/2008**

SEDGWICK AVE/WEST TREMONT BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1890 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: SEDGWICK AVE / W TREMONT AVE
Revised zip code: UNKNOWN

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERT DESK - CON EDISON	Spiller Phone:	(212) 580-8383
Notifier Type:	Responsible Party	Notifier Name:	MR. BROWNE	Notifier Phone:	(212) 580-6763
Caller Name:	CHRIS SHIKARIDES	Caller Agency:	CON ED	Caller Phone:	(212) 580-6763
DEC Investigator:	SKARAKHA	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580-8383

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/09/2005		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

100 gallons of dielectric fluid contained in concrete sump.

DEC Investigator Remarks:

01/10/08 - See eDocs for Con Ed report detailing cleanup and closure.

4/11/05: voice mail from Craig Little (347) 203-3823. Moat was powerewashed, and engineering controls (absorbents) were placed between the floor of the PURS unit and the moat. However, due to an active light & power transformer in the PURS unit, they can't complete the cleanup at this time. (JHO)

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e2mis no. 158023:

09-April-2005 12:35 hrs.
Central Sub-Station Operator S. Cosentino # 49596 reported that while working at the Sedgwick Ave. PURS Station at Sedgwick Ave & West Tremont Ave in the bronx. He discovered ~ 100 gallons of dielectric fluid had leaked from M52 South into a sump. EH&S. Sr. Specialist C. Little # 96080 was notified an in route to the location and will update this incident.
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Map Identification Number 151 **Spill Number: 9805671** **Close Date: 08/07/1998**

2043 CRESTONE AVE NEW YORK CITY, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2242 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 2043 CRESTON AVE
Revised zip code: 10453

Source of Spill: PRIVATE DWELLING
Notifier Type: Fire Department
Caller Name: OCONNOLL
DEC Investigator: MMMULQUE

Spiller: UNK - BUILDING SUPE
Notifier Name: DISPATCHER
Caller Agency: FDNY DISPATCH
Contact for more spill info: OCONNOLL

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 430-0236
Contact Person Phone: (718) 430-0236

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/06/1998		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

fuel delivery man pumped 100 gal of fuel oil into basement at location - fire marshall believes it is going into sewer - it is going into sewer

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"
SUPER IN BUILDING LEFT TOP OF TANK OPEN, CASTLE DID NOT MAKE DELIVERY, SUPER'S ERROR. CASTLE DID CLEAN UP.

Map Identification Number 152 **CROSS BRONX EXPWY/WEEKS** **Spill Number: 9513674** **Close Date: 01/29/1996**

AT WEEKS AVE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2314 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: CROSS BRONX EXWY / WEEKS AVE
Revised zip code: 10457

Source of Spill: COMMERCIAL VEHICLE | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Local Agency | Notifier Name: NYC PD | Notifier Phone: (212) 374-5580
Caller Name: HOWARD LEVY | Caller Agency: NYC DEP | Caller Phone: (718) 595-6700
DEC Investigator: JMKRIMGO | Contact for more spill info: | Contact Person Phone:

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/29/1996		TRAFFIC ACCIDENT	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

caller believes it was a mv accident -

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
CLEANED UP DONE BY SANITATION

Map Identification Number 153 **BRONX LEBANON HOSPITAL** **Spill Number: 9606824** **Close Date: 08/28/1996**
1650 GRAND CONCOURSE BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2400 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: GEORGE RODRIGUEZ - BRONX LEBANON HOSPITAL | Spiller Phone: (718) 518-5802
Notifier Type: Other | Notifier Name: BOB DECK | Notifier Phone: (718) 624-4842
Caller Name: BOB DECK | Caller Agency: PETROLEUM TANK CLEANERS | Caller Phone: (718) 624-4842
DEC Investigator: SIGONA | Contact for more spill info: GEORGE RODRIGUEZ | Contact Person Phone: (718) 518-5802

Spill Class: KNOWN RELEASE THAT CREATES POTENTIAL FOR FIRE OR HAZARD;DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/27/1996		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	100.00	GALLONS	SOIL

Caller Remarks:

plug failed on a diesel tanmk in basement - diesel went into a containemnt pit and was all recoverd

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

ARRIVED ON SCENE AT 1:50pm AT HOSPITAL TO MEET G. RODRIGUEZ - DEC SIGONA MET DAN JESSER - FOUND OIL SPILL AT 275 GALLON AST - NO OIL IN SUMP - SOME RESIDUAL OIL ON GROUND - 2 CONTAINER FULL OF DEBRIS AND SPEEDY DRY - TOLD TO CLEAN UP RESIDUE.

Map Identification Number 154 **WEST 179 ST/DEEGAN EXPRES** **Spill Number: 9703317** **Close Date: 06/17/1997**
WEST 179 ST/DEEGAN EXPRES BRONX, NY NO ZIP PROVIDED

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 2612 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 179TH ST / I-87
Revised zip code: UNKNOWN

Source of Spill: TANK TRUCK
Notifier Type: Fire Department
Caller Name: CONFRESSORE
DEC Investigator: KSTANG

Spiller: JOHN TURNICK - STELLADORO
Notifier Name:
Caller Agency: NYC FIRE HAZMAT
Contact for more spill info: CONFESSORE

Spiller Phone: (718) 601-9200
Notifier Phone:
Caller Phone: (917) 769-0485
Contact Person Phone: (917) 769-0483

Spill Class: KNOWN RELEASE WITH MINIMAL POTENTIAL FOR FIRE OR HAZARD;NO DEC RESPONSE;WILLING RP;CORRECTIVE ACTION TAKEN

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/17/1997		TRAFFIC ACCIDENT	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	100.00	GALLONS	SOIL

Caller Remarks:

SPILL TO CONCRETE-CLEANUP IS CURRENTLY UNDERWAY-BEING SUCKED UP BY

NYC FD. ALSO BEING PACKED-ALL IS EXPECTED TO BE RECOVERED

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
SPOKE TO FIRE HAZMAT, THEY RECOVERED- 25 GALLONS INTO DRUM, SANDED DOWN THE ROADWAY BY SANITATION. THE DRUM WAS GIVEN TO STELLADORO FOR DISPOSAL.

THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
0100378	ACROSS FROM	16 EAST 177TH ST	BRONX
0205415		1800 UNIVERSITY AVE	BRONX
9814257	APARTMENT BUILDING	1800 UNIVERSITY AV	BRONX
9806227	E 177TH ST AND	WALTON AVE, E.177TH ST	BRONX
0500748	WALTON MANAGEMENT LLC	1920 WALTON AVE	BRONX
9909283		65 MOUNT HOPE PL	BRONX
9512767	NORWAY ASSCO	65 MT HOPE PLACE	BRONX
0412103	ON THE STREET	1920 UNIVERSITY AVE	BRONX
9400455	MCCOONS RD / W 176TH ST.	MCCOONS RD / W 176TH ST.	BRONX
9604908	1661 GRAND AVENUE	1661 GRAND AVENUE	BRONX
0312862	EXXON MOBIL	1764 UNIVERSITY AVE	BRONX
9006636	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	NEW YORK CITY
8909817	110 EAST 176TH ST/BX	110 EAST 176TH STREET	NEW YORK CITY
9911624	MANHOLE #18984	1915 MORRIS AVE	BRONX
9905185	SERVICE BOX 9696	WALTON AVE & E TREMONT AV	BRONX
9905187	SERVICE BX 9692	WALTON & E TREMONT AVE	BRONX
9407465	PUBLIC SCHOOL #117	1865 MORRISIA AVE	BRONX
9906350	IN SEWER	MORRIS AVE & MT HOP PL	BRONX
0110215		1820 LORING PL	BRONX
9711731	1881 ANDREWS AVE	1881 ANDREWS AVE	BRONX
0112091		1727 WALTON AV	BRONX
9307907	1727 WALTON AVENUE	1727 WALTON AVENUE	BRONX
9305708	1854 LORING PLACE	1854 LORING PLACE	BRONX
0006986		2005 DAVIDSON AVE	BRONX

9806625		1730 ANDREWS AVE	BRONX
0600186	APRT BUILDING	1727 WALTON AVE	BRONX
0209409	VOLT #1843	IFO 100 E.175TH ST	BRONX
0001081	MANHOLE #23019	1874-78 LORING PLACE	BRONX
0514774	APARTMENT BLDG	111 MT HOPE PL	BRONX
9106469	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	BRONX
9303638	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	BRONX
0306836	VAULT #TM877	1775 GRANDCOURSE	BRONX
9202368	1775 GRAND CONC/NY TEL	1775 GRAND CONC/NY TEL	BRONX
9813873	VAULT V5012	200 W. TREMONT AVE	BRONX
0613134	TWO GAL XFMR OIL IN VAULT 1286	EAST 179 STREET & JEROME AVENUE	BRONX
0408546	MANHOLE # 18895	JEROME AVE/EAST 179	BRONX
0704440	GETTY#270	82 EAST TREEMONT AVE	BRONX
0412804	DELIVERY TRUCK	1710 ANDREWS AVE.	BRONX
0012489	MT HOPE MGT HOUSING CORP	1982 WALTON AVE	BRONX
9402849	1749 GRAND CONCOURSE	LEWIS MORRIS APTS A & S	BRONX
0406340	APARTMENT	1683 -85N UNIVERSITY AVE	BRONX
9609781	1881 GRAND CONCOURSE	1881 GRAND CONCOURSE	BRONX
9515586	64 CLIFFORD PL	64 CLIFFORD PL	BRONX
0011984		37 FEATHERBED LANE	BRONX
9800709	MEYERS MANG. CORP.	15 FEATHERBED LANE	NEW YORK
0310354	APARTMENT BUILDING	1985 CRESTON AVE	BRONX
0411208	APT BUILDING	1985 CRESTON AVE	BRONX
0412593	APARTMENT BUILDING	1985 CRESTON AVE	BRONX
0203616	VAULT #3161	37 W BARNSIDE AV	BRONX
0402095		BURNSIDE AND HARRISON	BRONX
9212544	CLOSED-LACKOF RECENT INFO	1771 POPHAM AVE	BRONX
9812421		UNIVERSITY AVE/BRANDT PL	BRONX
0102235	RESIDENCE	1750 GRAND CONCOURSE	BRONX
9307201	101 EAST 179TH STREET	101 EAST 179TH STREET	BROOKLYN
9512081	1944 ANDREWS AVE	1944 ANDREWS AVE	BRONX
0108410		GRAND CONCOURS/TREMONT AV	BRONX
0306074	TREMONT AVE AND	GRAND CONCORD AVE	BRONX
0404352	E/B AT JEROME AV	CROSS BRONX EXPRESSWAY	BRONX
9609474	CROSS BRONX EXPRESSWAY	NEAR JEROME AVE	BRONX
9312407	CROSS BRONX EXPRESSWAY	CROSS BRONX EXPWY.JEROME	BRONX
0313827		228 WEST TREMONT AVE	BRONX
9709773	SEDGWICK HOUSES/ANNEX -NYCHA	228 WEST TREMONT AVENUE	BRONX
9912138	W TREMONT HOUSES -NYCHA	228 WEST TREMONT AVE	BRONX
9812334	RESIDENCE	2050 DAVIDSON AVE	BRONX
9810550	HARRISON RESIDENCE	1935 LORING PLACE SOUTH	BRONX
9514431	150 W 179TH ST	150 W 179TH ST	BRONX
0100474		1955 GRAND CONCOURSE	BRONX
9009279	1730 POPHAM AVE/BX	1730 POPHAM AVENUE	NEW YORK CITY

0203167		1730 POPHAM AVE	BRONX
0704471	APARTMENT	1629-31 WALTON AVE	BRONX
9112613	1963 GRAND CONCOURSE	1963 GRAND CONCOURSE	BRONX
0511056	APARTMENT BUILDING	205 EAST 176	BRONX
9413077	2065 DAVIDSON AVE	2065 DAVIDSON AVENUE	BRONX
9703178	2065 DAVIDSON AV	2065 DAVIDSON AV	NEW YORK CITY
9502705	2065 DAVISON AVENUE	2065 DAVISON AVENUE	BRONX
9611737	APARTMENT BUILDING	2065-67 DAVIDSON AVE	BRONX
9516200	GORDON CLARK RESIDENCE	1916 OSBORNE PLACE	BRONX
9503959	217 E. 176TH ST	217 E. 176TH ST	BRONX
9907034	MANHOLE #9708	WALTON AVE & E. BURNSIDE AVE	BRONX
9713129		1706 SELWYN AVE	BRONX
0706665	SEDGWICK AVENUE - PURS PLANT, 5 GAL	1823 SEDGWICK AVENUE - PURS PLANT	BRONX
0611375	PLACENSIA RESIDENCE	153 WEST 179TH ST	BRONX
0500692	REGULATING STATION	1823 SEDGWICK AVE	BRONX
0503972	CON ED	1823 SEDGWICK AVE	BRONX
9009277	157 WEST 179TH ST/BX	157 WEST 179TH STREET	NEW YORK CITY
0200210		1930 GRAND CONCOURSE	BRONX
9315231	2073 DAVIDSON AVENUE	2073 DAVIDSON AVENUE	BRONX
0302209		1920 OSBORNE PL	BRONX
0105468	179 TH STREET AND	GRAND CONCOURSE & 179TH	BRONX
9907062	MANHOLE #19994	BURNSIDE AVE/MORRIS AVE	BRONX
0207597	B+B MANAGMENT	235 MOUNT HOPE PLACE	BRONX
0100242	SIDEWALK	1886 CEDAR AVE	BRONX
0100280	IFO BUILDING	1886 CEDAR AV	BRONX
0107271	1610 UNIVERSITY	1610 UNIVERSITY AV	BRONX
9909606	MANHOLE 11802	1615 UNIVERISTY AV	BRONX
9304564	1701 EAST BURN AVE	1701 EAST BURN AVENUE	BRONX
0508064	MANHOLE #13920	MT EDEN / TOWNSEND AVE	BRONX
0510557	SAGE HALL	BRONX COMMUNITY COLLEGE	BRONX
9505213	247 E. 176TH ST	247 E. 176TH ST	BRONX
9612946	IFO 1810 CEDAR AV	IFO 1810 CEDAR AV	BRONX
0711386	GETTY#270	240 EAST TREAMONT AVE	BRONX
9912073	MANHOLE 23110	SS W 180TH ST & LORING PL	BRONX
9613489	1788 SEDGWICK AVE	1788 SEDGWICK AVE	BRONX
9516661	1652 POPHAM AVE	1652 POPHAM AVE	BRONX
9904686	VAULT #VS1807	CROSS BRONX & WEEKS AVE	BRONX
9212850	1674 SELWYN AVE	1674 SELWYN AVE	BRONX
0007022	MH 469	BURNSIDE AVE/ CRESTON AVE	BRONX
0312716		1776 SEDGWICK AVE.	BRONX
0103351	1566 MACOMBS RD	1566 MACOMBS RD	BRONX
9210939	1565 TOWNSEND AVE	1565 TOWNSEND AVE	BRONX
9209584	273 EAST 175TH STREET	273 EAST 175TH STREET	BRONX
0409806	MANHOLE # 29222	SENDGWICK AVE/CEDAR	BRONX

0103696		1650 GRAND CONCOURSE	BRONX
0105341	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	BRONX
0412230	BRONX/LEBONON HOSP	1650 GRAND CONCOURSE	BRONX
9001908	1650 GRAND CONCOURSE/BX	1650 GRAND CONCOURSE	NEW YORK CITY
9008691	1650 GRAND CONCOURSE/BX	1650 GRAND CONCOURSE	NEW YORK CITY
9706835	1650 GRAND CONCOURSE	1650 GRAND CONCOURSE	BRONX
9706836	BRONX LEBANON HOSPITAL	1650 GRAND CONCORSE	BRONX
8604115	LEBANON HOSPITAL	173 ST / SELWYN	BRONX
9510405	2055 CRESTON AVE	2055 CRESTON AVE	BRONX
9712250	1563 WALTON AVENUE	1563 WALTON AVENUE	BRONX
0509958	MANHOLE 23644	CEDAR AVE AND 179 ST	BRONX
0300142	2065 CRESTON AVENUE	2065 CRESTON AVE	BRONX
9711376	APT BLDG	2065 CRESTON AV	BRONX
0702889	ROBERTO CLEMENTE ST PARK	WEST TREMONT AVE/MATHEWSO	BRONX
0008162	APARTMENT COMPLEX	1775 CLAY AV	BRONX
0409296	MANHOLE 23477	1975 SEDGWICK AV	BRONX
0308538	CROSS BRONX EXP NORTH	& SHAKESPEARE AV	BRONX
0200191		BURNSIDE AV/GRAND CONCORS	BRONX
0312985	RESIDENTIAL RENTAL HOUSE	1695 MONROE AVE.	BRONX
0203634		E TREMONT AV & ANTHONY AV	BRONX
0605791	EAST TREMONT AND ANTHONY	EAST TREMONT AND ANTHONY	BRONX
9112173	2066 CRESTON AVE	2066 CRESTON AVE	BRONX
9508754	NEW YORK CITY HOUSING	2066 CRESTON AVE	BRONX
8605749	JACKSONS, 1974 CEDAR AVE	1974 CEDER AVE.	BRONX

NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 155 **1815 DAVIDSON AVENUE SIP HDFC** **Facility Id: 2-605491** **Source: NYS DEC**
C/O MOUNT HOPE HOUSING CO. INC. BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 113 feet to the SSE*

ADDRESS CHANGE INFORMATION
Revised street: 1815 DAVIDSON AVE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/27/2011
Operator Name: MOUNT HOPE
Operator Phone #: (718) 583-7017
Owner Name: SHAUN M. BELLE - PRESIDENT
Owner Company: MOUNT HOPE HOUSING CO. INC.
Owner Type: Corporate or Commercial
Owner Address: 2003-05 WALTON AVENUE, BRONX, NY 10453

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	4000	Aboveground on crib, rack, or cradle			

TANK NUMBER: 001
TANK EXT. PROTECTION: Painted/Asphalt Coating
PIPING EXT. PROTECTN: None
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: Product Level Gauge (A/G)
Vent Whistle
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN: Exempt Suction Piping
PIPING LOCATION: Aboveground/Underground Combination
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Vault (w/o access)
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

Map Identification Number 156 **1821 DAVIDSON AVENUE SIP HDFC** **Facility Id: 2-605494** **Source: NYS DEC**
C/O MOUNT HOPE HOUSING CO. INC. BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 120 feet to the ESE*

ADDRESS CHANGE INFORMATION
Revised street: 1821 DAVIDSON AVE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/27/2011
Operator Name: MOUNT HOPE
Operator Phone #: (718) 583-7017

Owner Name: SHAUN M. BELLE - PRESIDENT
Owner Company: MOUNT HOPE HOUSING CO. INC. Owner Type: Corporate or Commercial
Owner Address: 2003-05 WALTON AVENUE, BRONX, NY 10453

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground on crib, rack, or cradle			

TANK NUMBER: 001
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Steel/Carbon Steel/Iron
OVERFILL PROTECTION: Product Level Gauge (A/G) Vent Whistle
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN: Exempt Suction Piping
PIPING LOCATION: Aboveground/Underground Combination
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: Vault (w/o access)
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

Map Identification Number 157 **MOUNT HOPE HOUSING CO.** **Facility Id: NY06910** **Source: NYC FIRE DEPT**
1821 DAVIDSON AVE
BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 120 feet to the ESE*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 4000G TK #2 OIL

Map Identification Number 158 **1750 REALTY CORPORATION** **Facility Id: 2-332690** **Source: NYS DEC**
1750 GRAND AVENUE
BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 165 feet to the SW*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 12/11/2008
Operator Name: 1750 REALTY CORPORATION Operator Phone #: (718) 584-2620
Owner Name: 1750 REALTY COR / M. GOLDBERG - VIP
Owner Company: 1750 REALTY CORPORATION Owner Type: Corporate or Commercial
Owner Address: 5600 A BROADWAY, BRONX, NY 10463

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Underground	12/01/1928		

TANK NUMBER: 001
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: Product Level Gauge (A/G)
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN: Exempt Suction Piping
PIPING LOCATION: No Piping
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

Map Identification Number 159 **WEST TREMONT AVENUE REALTY ASSOC. L.P.** **Facility Id: 2-311332** **Source: NYS DEC**
125 W TREMONT AVENUE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 257 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 11/23/2009
Operator Name: RAFAEL DONATIN
Operator Phone #: (718) 731-8505
Owner Name: SHERMAN DROPKIN - MANAGER
Owner Company: WEST TREMONT AVE. REALTY ASSOC. L.P.
Owner Type: Corporate or Commercial
Owner Address: 1313 EAST 15 STREET, BROOKLYN, NY 11230

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	4000	Aboveground - in contact with soil			

Map Identification Number 160 **1822 DAVIDSON AVENUE SIP HDFC** **Facility Id: 2-605493** **Source: NYS DEC**
C/O MOUNT HOPE HOUSING CO. INC BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 272 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: 1822 DAVIDSON AVE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/27/2011
Operator Name: MOUNT HOPE
Operator Phone #: (718) 583-7017

Owner Name: SHAUN M. BELLE - PRESIDENT
Owner Company: MOUNT HOPE HOUSING CO. INC. Owner Type: Corporate or Commercial
Owner Address: 2003-05 WALTON AVENUE, BRONX, NY 10453

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	4000	Aboveground on crib, rack, or cradle			

Map Identification Number 161 **MT HOPE HOUSING CO** **Facility Id: NY06987** **Source: NYC FIRE DEPT**
1822 DAVIDSON AVE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 272 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 1 TK5000 GAL FO#2
CA-134/90

Map Identification Number 162 **1789 DAVIDSON AVE SIP HDFC** **Facility Id: 2-605492** **Source: NYS DEC**
C/O MOUNT HOPE HOUSING CO. INC BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 285 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 1789 DAVIDSON AVE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/27/2011
Operator Name: MOUNT HOPE Operator Phone #: (718) 583-7017
Owner Name: SHAUN M. BELLE - PRESIDENT
Owner Company: MOUNT HOPE HOUSING CO. INC Owner Type: Corporate or Commercial
Owner Address: 2003-05 WALTON AVENUE, BRONX, NY 10453

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground on crib, rack, or cradle			

Map Identification Number 163 **NYC-RM 208** **Facility Id: NY07531** **Source: NYC FIRE DEPT**
1789 DAVIDSON AVE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 285 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 1-4000G TK#2 OIL

Map Identification Number 164 **1800 DAVIDSON AVENUE SIP HDFC** **Facility Id: 2-605495** **Source: NYS DEC**
C/O MOUNT HOPE HOUSING CO. INC. BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 327 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 1800 DAVIDSON AVE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/27/2011
Operator Name: MOUNT HOPE
Operator Phone #: (718) 583-7017
Owner Name: SHAUN M. BELLE - PRESIDENT
Owner Company: MOUNT HOPE HOUSING CO. INC.
Owner Type: Corporate or Commercial
Owner Address: 2003-05 WALTON AVENUE, BRONX, NY 10453

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground on crib, rack, or cradle			

Map Identification Number 165 **SYCAMORE ROW LLC** **Facility Id: 2-602719** **Source: NYS DEC**
1740 GRAND AVENUE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 333 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 06/24/2011
Operator Name: ALTIMON DOYLEY
Operator Phone #: (917) 204-3253
Owner Name: PETER BOURBEAU - MANAGING MEMBER
Owner Company: SYCAMORE ROW LLC
Owner Type: Corporate or Commercial
Owner Address: 330 EAST 204 STREET, BRONX, NY 10467

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground on crib, rack, or cradle			

Map Identification Number 166 **1820 HARRISON REALTY L.L.C.** **Facility Id: 2-191906** **Source: NYS DEC**
1820 HARRISON AV BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 344 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 06/05/2012
Operator Name: JOSE SEGURA
Operator Phone #: (000) 863-2300
Owner Name:
Owner Company: 1820 HARRISON REALTY L.L.C.
Owner Type: Corporate or Commercial
Owner Address: 1919 WMSBDG RD, BRONX, NY 10461

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
014	In Service	#6 Fuel Oil	5000	Aboveground - in contact with soil	11/15/1962		

Map Identification Number 167 **DIV OF REAL PROPERTIES** **Facility Id: NY03297** **Source: NYC FIRE DEPT**
1739 GRAND AVE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 348 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 1 TK1080 GAL FO#4

Map Identification Number 168 **1812 HARRISON AVENUE** **Facility Id: 2-469068** **Source: NYS DEC**
1812 HARRISON AVENUE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 358 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 12/10/2008
Operator Name: LEMLE & WOLFF, INC
Operator Phone #: (718) 884-7676
Owner Name:
Owner Company: LEMLE REALTY CORPORATION
Owner Type: Corporate or Commercial
Owner Address: 5925 BROADWAY, BRONX, NY 10463

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	4000	Aboveground - in contact with soil			

Map Identification Number 169 **1804 HARRISON AVENUE** **Facility Id: 2-294675** **Source: NYS DEC**
1804 HARRISON AVENUE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 375 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 07/14/2007
Operator Name: FERNANDO ROSADO
Operator Phone #: (718) 583-9408
Owner Name:
Owner Company: BO MAY REALTY CORP
Owner Type: Corporate or Commercial
Owner Address: 88-21A 53RD AVE., ELMHURST, NY 11373

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
1	In Service	#2 Fuel Oil	5000	Aboveground - in contact with soil			
The following tank(s) were either deleted from the reported data or the number was re-assigned.							
001	IN SERVICE	#5 OR 6 FUEL OIL	5000	ABOVEGROUND			

Map Identification Number 170 **BO MAY REALTY CORP** **Facility Id: NY02072** **Source: NYC FIRE DEPT**
1804 HARRISON AVE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 375 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 5000GAL TK NO#4 OIL
FORM 16 REC'D IN DO 5 1/5/89

Map Identification Number 171 **A DAVIDSON** **Facility Id: 2-610068** **Source: NYS DEC**
1775 DAVIDSON AVE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 390 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 01/13/2011
Operator Name: TOMES DIAZ
Operator Phone #: (646) 301-3571
Owner Name: JOE COHN - MANAGER
Owner Company: A DAVIDSON LLC
Owner Type: Corporate or Commercial
Owner Address: 543 BEDFORD AVENUE, SUITE 264, BROOKLYN, NY 11211

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	4000	Aboveground on crib, rack, or cradle	01/01/1968		

Map Identification Number 172 **1730 HARRISON AVENUE** **Facility Id: 2-602479** **Source: NYS DEC**
1730 HARRISON AVENUE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 423 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 10/04/2010
Operator Name: FELIX CAMILO
Operator Phone #: (718) 731-9778
Owner Name: MARIA MCCULLOUGH - ADMINISTRATIVE ASSISTANT
Owner Company: HARRISON AFFORDABLE UNITS, L.P.
Owner Type: Corporate or Commercial
Owner Address: 1601 BRONXDALE AVE, STE 201, BRONX, NY 10462

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground - in contact with soil			

Map Identification Number 173 **DEPT. H.P.D.** **Facility Id: 2-601394** **Source: NYS DEC**
62-66 W. TREMONT AVE. BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 439 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/24/1998
Operator Name: DEPT. H.P.D.
Operator Phone #: (212) 240-5666
Owner Name:
Owner Company: H.P.D./TIL PROGRAM
Owner Type: Local Government
Owner Address: 150 WILLIAM ST., 5TH FLOOR, NEW YORK, NY 10038

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground - in contact with soil			

Map Identification Number 174 **62-66 W TREMONT AV.** **Facility Id: NY00901** **Source: NYC FIRE DEPT**
62 W TREMONT AVE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 439 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 5,000 GAL TK #4 OIL

Map Identification Number 175 **1721 GRAND AVE** **Facility Id: 2-328405** **Source: NYS DEC**
1721 GRAND AVE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 469 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 10/02/2007
Operator Name: IRVING YASGUR
Operator Phone #: (718) 664-6600
Owner Name:
Owner Company: 1721 GRAND ASSOCIATES, L.LC.
Owner Type: Corporate or Commercial
Owner Address: 825 EAST 233RD STREET, BRONX, NY 10466

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#6 Fuel Oil	7500	Aboveground on crib, rack, or cradle			

Map Identification Number 176 **EVA H THOMPSON** **Facility Id: NY03737** **Source: NYC FIRE DEPT**
1854 HARRISON AVE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 476 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 1-2000GAL TANK #4 OIL

Map Identification Number 177 **1765-1767 DAVIDSON AVENUE** **Facility Id: 2-204811** **Source: NYS DEC**
1765-1767 DAVIDSON AVENUE BRONX, NY 10451

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 507 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 1767 DAVIDSON AVE
Revised zip code: 10453

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 05/29/2006
Operator Name: ALEX KALATIAB Operator Phone #: (914) 937-5129
Owner Name:
Owner Company: DAVIDSON AFFORDABLE HOUSING, LLC C/O POLCO MGF. Owner Type: Corporate or Commercial
Owner Address: 225 WESTCHESTER AVENUE, PORT CHESTER, NY 10573

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground - in contact with soil			

Map Identification Number 178 **1770 DAVIDSON AVENUE** **Facility Id: 2-467871** **Source: NYS DEC**
1770 DAVIDSON AVENUE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 530 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Unknown
Site Status: Active
Expiration Date of the facility's registration certificate: 03/06/1999
Operator Name: NYC HOUSING PRESERV & DEVEL
Operator Phone #: (212) 806-8565
Owner Name:
Owner Company: NYC HOUSING PRESERV & DEVEL
Owner Type:
Owner Address: 2089-2091 ARTHUR AVENUE, BRONX, NY 10457

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#6 Fuel Oil	5000	Aboveground - in contact with soil			

Map Identification Number 179 **1718 GRAND AVE** **Facility Id: 2-600839** **Source: NYS DEC**
1718 GRAND AVE. BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 538 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 02/02/2010
Operator Name: FELIX MOLINA
Operator Phone #: (917) 446-3314
Owner Name: VED PARKASH - PRESIDENT
Owner Company: PARKASH 1718 LLC
Owner Type: Corporate or Commercial
Owner Address: 172-14 89 AVE, JAMAICA, NY 11432

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#6 Fuel Oil	4000	Aboveground - in contact with soil			
The following tank(s) were either deleted from the reported data or the number was re-assigned.							
1	IN SERVICE	#5 OR 6 FUEL OIL	4000	ABOVEGROUND			

Map Identification Number 180 **RICH REALTY CO** **Facility Id: NY08461** **Source: NYC FIRE DEPT**
1718 GRAND AVE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 538 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 5000GAL TK NO#4 OIL

Map Identification Number 181 **UNIT AUTO REPAIR (FAUSTO FIGUEROA)** **Facility Id: 2-603853** **Source: NYS DEC**
8 EAST 177TH STREET BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 587 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Unknown
Site Status: Waste Oil Storer
Expiration Date of the facility's registration certificate: 12/22/2003
Operator Name: FAUTO SEGURA
Operator Phone #: (718) 716-6727
Owner Name:
Owner Company: FAUTO SEGURA
Owner Type: Corporate or Commercial
Owner Address: 567 WEST 184TH STREET APT. 4, BRONX, NY 10033

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	Waste Oil/Used Oil	275	Aboveground - in contact with soil	03/01/1997		

Map Identification Number 182 **1700 HARRISON AVENUE** **Facility Id: 2-602477** **Source: NYS DEC**
1700 HARRISON AVENUE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 624 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 10/04/2010
Operator Name: FELIX CAMILO
Operator Phone #: (718) 731-9778
Owner Name: MARIA MCCULLOUGH - ADMINISTRATIVE ASSISTANT
Owner Company: HARRISON AFFORDABLE UNITS, L.P.
Owner Type: Corporate or Commercial
Owner Address: 1601 BRONXDALE AVE, STE 201, BRONX, NY 10462

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground on crib, rack, or cradle			

Map Identification Number 183 **INTERMEDIATE SCHOOL 306 - BRONX** **Facility Id: 2-601838** **Source: NYS DEC**
40 WEST TREMONT AVENUE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 628 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: School
Site Status: Active
Expiration Date of the facility's registration certificate: 05/06/2009
Operator Name: PLANT OPERATIONS
Operator Phone #: (718) 349-5400
Owner Name: JAMES A. MERLO - MANAGER, FUEL DIVISION
Owner Company: NYC DEPARTMENT OF EDUCATION
Owner Type: Local Government
Owner Address: 44-36 VERNON BOULEVARD, LONG ISLAND CITY, NY 11101

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001N	In Service	#2 Fuel Oil	10000	Aboveground on crib, rack, or cradle	11/01/1993		
003G	In Service	#2 Fuel Oil	275	Aboveground on crib, rack, or cradle	11/01/1993		
02S	In Service	#2 Fuel Oil	10000	Aboveground on crib, rack, or cradle	11/01/1993		

Map Identification Number 184 **MOUNT HOPE RESIDENCE LLC** **Facility Id: 2-605646** **Source: NYS DEC**
14-16 MOUNT HOPE PLACE BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 654 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: 14 MOUNT HOPE PLACE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 04/13/2011
Operator Name: NOEL CINTRON
Operator Phone #: (718) 466-2200
Owner Name: MOSHE ABRAMSON - MANAGER
Owner Company: MOUNT HOPE RESIDENCE LLC
Owner Type: Corporate or Commercial
Owner Address: 1009 EAST 14TH STREET, BROOKLYN, NY 11230

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
01	In Service	#2 Fuel Oil	2000	Aboveground - in contact with soil			

Map Identification Number 185 **A TURCO & V MILANO** **Facility Id: NY01152** **Source: NYC FIRE DEPT**
14 MOUNT HOPE PL
BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 654 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Comments: 2500GAL TK NO#4 OIL

HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 186 **NYSDEC Name:** **BELL ATLANTIC-NY** **Facility Id: NYP000934590**

NYSDEC Address:	MT HOPE/JEROME AVE	BRONX, NY 00000
EPA (RCRA) Name:	BELL ATLANTIC-NY	
EPA (RCRA) Address:	MT HOPE/JEROME AVE	BRONX, NY 000000000

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 449 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: MOUNT HOPE PL / JEROME AV
Revised zip code: 10453

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: 0
Incinerator:
Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR

NONE Site reported by US EPA. No hazardous waste activity reported by NYS.

Map Identification Number 187 **NYSDEC Name:** **NYCDEP - SHAFT 6B** **Facility Id: NYR000092353**

NYSDEC Address:	TREMONT & HARRISON AVES	BRONX, NY 10457
EPA (RCRA) Name:	NYCDEP - SHAFT 6B	
EPA (RCRA) Address:	TREMONT & HARRISON AVES	BRONX, NY 10457

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 462 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: W TREMONT AVE / HARRISON AVE
Revised zip code: 10453

US EPA RCRA Type: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: 11/02/2000
Incinerator:
Transporter:

Part A notification date: 11/02/2000

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported by NYS.				

Map Identification Number 188 **NYSDEC Name:** **NYCDEP** **Facility Id: NYP010000016**
NYSDEC Address: PROTECTION JEROME AVE & 176TH BRONX, NY 10453

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 572 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 176TH ST / JEROME AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	55	GALLONS	GENERATED	1990

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 189 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004076436**
NYSDEC Address: MH16899 176 ST & JEROME AVE BRONX, NY 10401
EPA (RCRA) Name: CON EDISION - MH16899
EPA (RCRA) Address: 176TH ST & JEROME AVE 176TH ST NEW YORK, NY 10003

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 572 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: JEROME AV / E/W 176TH ST
Revised zip code: 10453

US EPA RCRA Type: LARGE QUANTITY GENERATOR
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: 0
Incinerator:
Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	2400	POUNDS	GENERATED	2001

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 190 **NYSDEC Name:** **NYCTA** **Facility Id: NYR000000679**
NYSDEC Address: JEROME AVE LINE 176TH ST STA BROOKLYN, NY NO ZIP PROVIDED
EPA (RCRA) Name: NYCTA - 176TH STREET STATION
EPA (RCRA) Address: 176TH ST & JEROME AVE BRONX, NY 10452

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 572 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 176TH ST / JEROME AVE
Revised zip code: 10453

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:
Notification date: 02/24/1995
Incinerator:
Transporter:
Part A notification date: 02/24/1995

Historically listed as the following USEPA RCRA Generator Size(s) as well:
SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	900	POUNDS	GENERATED	2006
D001	Solid waste that exhibits the characteristic of ignitability	358	POUNDS	GENERATED	2005

NOTE: 2006 waste amounts are for 1/1/06 to 7/6/06 only

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

NO CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO HISTORIC UTILITY SITES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO AIR DISCHARGE FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

NO NYC ENVIRONMENTAL QUALITY REVIEW REQUIREMENTS - "E" DESIGNATION SITES IDENTIFIED WITHIN 250 FT SEARCH RADIUS

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS)
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF
60 W 177th Street
Bronx, NY 10453

* Any ERNS Spills listed below are NOT mapped in this report *

ONSITE ERNS (A count of these spills can be found in the distance interval table):
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

POTENTIALLY ONSITE ERNS:
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

NEW YORK STATE DEPARTMENT OF HEALTH RADON DATA
FOR THE ZIPCODE OF:
10453

NUMBER OF HOMES TESTED	AVERAGE FOR THE ZIP	STANDARD DEVIATION	MAXIMUM READING FOR THE ZIP

No Radon Data for Zip Code 10453

Copyright 2008 Toxics Targeting, Inc. May 28, 2008 '60 W 177th Street'

Unmappable facilities for 'Bronx' County

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
03C01	BRONX FRONTIER COMPOSTING			UNKNOWN
03D05	SOUTH BRONX MARINE DEMO			UNKNOWN
03T03				UNKNOWN
03T04	REALTY TRS. STA.			UNKNOWN
03T06	LEE-BIN T.S.			UNKNOWN
03T10	A.L.A LAND DEVELOP TRS.ST			UNKNOWN
03T11	BEM CONTRACTING TRANS STA			UNKNOWN
03T35	UNIVERSAL DEMO RECYCLING			UNKNOWN
03V40	ECCO-SUBURBAN CARTING			UNKNOWN
03W78	FELIX RECYCLING FILL MATE			UNKNOWN
03W86	VINCENT RUSCIANO CONTRUCT			UNKNOWN
		BOTTNER AVE.	BRONX	UNKNOWN
		21B GARAGE	BRONX	UNKNOWN
		168TH & RANDALLS AVE.	BRONX	UNKNOWN
		164TH ST	BRONX	UNKNOWN

Hazardous Spills - TANK FAILURES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9210469	180TH STREET	180TH STREET	BRONX	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0711397	APT. BUILDING	1600 CEDRIC AVE	BRONX	UNKNOWN

Hazardous Spills - TANK FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9506254	GUN HILL DEPOT	GUN HILL DEPOT	BRONX	10469
9315220	900 SETELEY	900 SETELEY	BRONX	UNKNOWN
0705989	BRONX TERMINAL MARKET	UNDER DEEGAN EXP	BRONX	UNKNOWN
0702421	CAR ON PARKING LOT	2136 BARTOW AVE	BRONX	UNKNOWN
0610526	BASEMENT TANK ROOM	EASTERN BLVD DRAW BRIDGE	BRONX	UNKNOWN
0409356	CUNY- BRONX COLLEGE	WEST 181 STREET/UNIVERSIT	BRONX	10453
0003047	PARKING LOT	AUSTIN RD/DYER AVE	BRONX	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9500889	1419 MORNS AVENUE	1419 MORNS AVENUE	BRONX	UNKNOWN
8809318	CLOSED-LACKOF RECENT INFO	(NO STREET INFO)	BRONX	UNKNOWN
9006707	EAST TREMONT AVE/EXXON	EAST TREMONT AVENUE	NEW YORK CITY	UNKNOWN
8906869	CLOSED-LACKOF RECENT INFO	EAST TREMONT STREET	NEW YORK CITY	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8606271	RAW SEWAGE ITEM #932			UNKNOWN
9913978	BRONX EXPRESSWAY	SERVICE RD	BRONX	UNKNOWN
9906166	HARLEM RIVER	YONKERS BORDER	BRONX	UNKNOWN
9905027	MANHOLE 138 ON BAINBRIDGE	AVE 510 FT OF N CORNER	BRONX	UNKNOWN
9812980	MANHOLE 32228	PENN STA RR	BRONX	10453
9812979	MANHOLE 29004	ROBERTO CLEMENTE ST PARK	BRONX	10453
9812978	PENN STATION RR YARD	W TREMONT AVE	BRONX	10453
9802285	MANHOLE #26954	SERVICE RD/TREEMONT AVE	BRONX	UNKNOWN
9713244	DEPT SANITAION	NEAR PLAZA MATERIALS	BRONX	UNKNOWN
9712848	NEAR CITY BUS PARKING	I95 RAMP TO TRIBORO BRDG	BRONX	UNKNOWN

9702125	AUTO GARAGE	218 UNIVERSITY AVE	BRONX	UNKNOWN
9611109	CROTON AQUADUCT	CROTON AQUADUCT	BRONX	UNKNOWN
9515857	1227 PINTON AVE	1227 PINTON AVE	BRONX	UNKNOWN
9504477	ROBERTO CLEMENTE STATE PK	ROBERTO CLEMENTE STATE PK	BRONX	10453
9502018	CROSS BX EPWY & ROSA AVE	CROSS BX EPWY / ROAS AVE	BRONX	UNKNOWN
9416011	APARTMENT BLDG.	USS MORRISON AVE. B4	BRONX	UNKNOWN
9415281	UNK	UNKNOWN	BRONX	UNKNOWN
8504703	NEW WINDSOR BRONX	NEW WINDSOR BRONX	BRONX	UNKNOWN
8503365	BRONX	BRONX	BRONX	UNKNOWN
8503141	BRONX	BRONX	BRONX	UNKNOWN
8100079			BRONX	UNKNOWN
0709357	SOUTHBOUND	BRUCKNER EXPRESS #8A	BRONX	UNKNOWN
0708015	ON ROADWAY	NORTH ON 95	BRONX	UNKNOWN
0707726	ON HIGHWAY	MAJOR DEEGAN	BRONX	UNKNOWN
0702670	GUNHILL DEPOT	1910 BARTOW AVE	BRONX	UNKNOWN
0700460	IN FRONT OF BJ‘S IN ROADW	339 GATEWAY STREET	BRONX	UNKNOWN
0613327	APARTMENT	120 ALCOTT PLACE	BRONX	UNKNOWN
0606852	1GAL FROM DEAD A TRANS FEEDER	120 EXTERIOR ROAD & FORDAM ROAD	BRONX	UNKNOWN
0606532	BRONX RIVER	BRONX RIVER FORREST	BRONX	UNKNOWN
0600554	HUNTS UNTS POINT MARKETS	2A NYC TERMINAL MARKET	BRONX	UNKNOWN
0512294	GETTY #58505	13 SEDWICK AVE	BRONX	UNKNOWN
0511299	ATAR PLACE	STADIUM AVE	BRONX	UNKNOWN
0510600	HUNTS POINT STATION	TRACK	BRONX	UNKNOWN
0509587	CROSS BRONX EXP	BETWEEN ROSEDALE /WEST	BRONX	UNKNOWN
0508362	BUILDING	1253 STELEY AVE	BRONX	UNKNOWN
0410879	METRO NORTH HUDSON LINE	MORRIS HGTS	BRONX	UNKNOWN
0407227	EAST RIVER (ROCKS/WATER)	SUNSET TRAIL/EXPWY	BRONX	UNKNOWN
0303403	MANHOLE NUMBER 29004	ROBERTO CLEMENTE STATE PK	BRONX	10453
0207168	VAULT #0495	55 N CRESTON AVE	BRONX	UNKNOWN
0203578	MANHOLE 18910	JEROME AVENUE	BRONX	UNKNOWN
0103829	MANHOLE 12	BROOKLYN BLVD/WALNUT ST	BRONX	UNKNOWN
0100318	HARLEM RIVER	NEAR HAMILTON AVE BRIDGE	BRONX	UNKNOWN
0009889	I295 BETWEEN I95 TO TOLL	BOOTH	BRONX	UNKNOWN
0007560	SB BROOKLYN EXPRESSWAY	AT EAST TREMONT AVE	BRONX	UNKNOWN
0007339	GRAND CONCOURSE	GRAND CONCOURSE	BRONX	UNKNOWN
0004934	VAULT 2052	THERIOT AVE/ASTORIA AVE	BRONX	UNKNOWN
0000389	MH 23981	1982 W BURNSIDE AV	BRONX	10453
9814033	WEST 178ST	ROBURTO CLEMENTE PARK	BROOKLYN	10453
9416342	MACOMBS BRIDGE−176TH ST	MACOMBS BRIDGE & 176TH ST	MANHATTAN	UNKNOWN
9304812	176ST & HRD−REGULATOR #52	176TH ST & HRD−REG #52	MANHATTAN	UNKNOWN
9209502	UNK	UNK	NEW YORK	UNKNOWN
0605752	RESIDENTIAL PROPERTY	RIVER ROAD	NEW YORK	UNKNOWN
8607915	NEW YORK CITYF		NEW YORK CITY	UNKNOWN
8603024	BRONX	BRONX	NEW YORK CITY	UNKNOWN

Hazardous Spills − MISC. SPILL CAUSES − Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9912664	WEST CAMBRIDGE &	BAILEYS AV	BRONX	UNKNOWN
9911775	ON 181ST ST	IFO WEST GATE HOUSE	BRONX	UNKNOWN
9908545	MANHOLE 8888	JEROME AVE	BRONX	UNKNOWN
9905504		GUN HILL RD & BUSSING AVE	BRONX	UNKNOWN
9901805		BILLINGSLY TERR/SALEM PLA	BRONX	10453
9900490		4375 BRONX AVE	BRONX	UNKNOWN
9900067		EDFORD BLVD?/SOUTHERN BLV	BRONX	UNKNOWN
9811600		3243 CHALL AVE	BRONX	UNKNOWN
9711348	BAYSIDE FUEL	1975 FREDERICK AVE	BRONX	UNKNOWN
9709352	METRO−NORTH RAILROAD	HUDSON LINE TR#4 MIL 7.5	BRONX	UNKNOWN
9512039	2934 VENTON AVE	2934 VENTON AVE	BRONX	UNKNOWN
9502949	2417 BALTIC AVENUE	2417 BALTIC AVENUE	BRONX	UNKNOWN
9501561	CROSS BRONX EXPWY	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN

9500150	1112 GRAND AVE	1112 GRAND AVENUE	BRONX	10453
9414961	448 CUSLOGA AVENUE	448 CUSLOGA AVE	BRONX	UNKNOWN
9412838	34 MT MORRIS PARKWAY	34 MT MORRIS PARKWAY	BRONX	UNKNOWN
9411935	1821 FAIRVIEW AVENUE	1821 FAIRVIEW AVENUE	BRONX	UNKNOWN
9409277	233 MAJOR DEGAN EXPWY	233 MAJOR DEEGAN EXPWY	BRONX	UNKNOWN
9404921	41 BENNET AVENUE	41 BENNETT AVENUE	BRONX	UNKNOWN
9400698	1667 EAST 731 STREET	667 EAST 731 STREET	BRONX	UNKNOWN
9314217	3100 HEATHER AVE	3100 HEATHER AVE	BRONX	UNKNOWN
9311525	I-90 S.B.	I-90 S.B.	BRONX	UNKNOWN
9212402	I-95/M.P. 0.5ML NR RR TRK	I-95/M.P. 0.5ML NR RR TRK	BRONX	UNKNOWN
9211051	SO. BRONX EXPSWY	SO. BRONX EXPSWY	BRONX	UNKNOWN
9209574	CROSS BRONX EXPRESSWAY	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
9208034	NO.ROBERTO CLEMENTE ST PA	NO. ROBERTO CLEMENTE STPA	BRONX	10453
9207432	1021 ATH STREET JOHN'S AV	1021 ATH STREET JOHN'S AV	BRONX	UNKNOWN
9106110	CROSS BX EPWY	CROSS BX EPWY	BRONX	UNKNOWN
8801616	CROSS BRONX EXPWY	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
8604842	WOODHAVEN NEAR 233RD ST	WOODHAVEN NEAR 233RD ST	BRONX	UNKNOWN
8100533	NONE RESPONSIBLE	PARKDALE HOSPITAL	BRONX	UNKNOWN
0710690	STREET	NORTH ON ROSNECK BRIDGE	BRONX	UNKNOWN
0610891	CROSS BRONX EXP	1/2 MI W OF JEROME AV	BRONX	UNKNOWN
0609612	RESIDENCE/ APARTMENT BUIL	5621 NETHERLAND AVE	BRONX	UNKNOWN
0604533	MAJOR DEEGAN PKWY	VANCORTLAND EXIT	BRONX	UNKNOWN
0602583	APARTMENT BUILDING	5775 MARSHALL LEW AVE	BRONX	UNKNOWN
0600572	CONSTRUCITON SITE	GRAND CONCOURSE/155TH STR	BRONX	UNKNOWN
0514815	IN ROADWAY	BRUCKNER EXPRESSWAY	BRONX	UNKNOWN
0513344	MANHOLE 86	CITY ISLAND TRAFFIC RELIEF ROAD	BRONX	UNKNOWN
0510030	IFO TASK FORCE	STATE 87 EXIT - I 95 HWY	BRONX	UNKNOWN
0504038	BUS # 6045	SEDGRICK/INDEPENDENCE AVE	BRONX	UNKNOWN
0409850	BRONX COMMUNITY COLLEGE	BRONX COMMUNITY COLL ON CAMPUS	BRONX	10453
0408155	HARLEM RIVER	BRONX REST PIER, PIER 8	BRONX	UNKNOWN
0406777	CON ED VAULT# 4047	LORING AVE	BRONX	UNKNOWN
0404351		MORRIS AV & SOUNDVIEW	BRONX	UNKNOWN
0310642	HELLGATE SUBSTATION NORTH	EAST 179 ST.	BRONX	UNKNOWN
0306192	BOSTON PL &	E 147TH ST	BRONX	UNKNOWN
0302981	NYS THRUWAY	N/B - MILE MARKER 2.0	BRONX	UNKNOWN
0301493	TREMOUNT AVE AND	LITTLE LEAGUE AVE	BRONX	UNKNOWN
0211873		2916 PENBROECK AV	BRONX	UNKNOWN
0210709	SOUTHBOUND	MAJOR DEEGAN EXPRESSWAY	BRONX	UNKNOWN
0205567	MANHOLE #26582	WHITESTONE AV & GUNHILL R	BRONX	UNKNOWN
0205154	179TH ST SUB-STATION	179TH ST	BRONX	UNKNOWN
0109044	NEW ENGLAND THRUWAY	I-95 EXPRESSWAY	BRONX	UNKNOWN
0108784	ROADWAY	MAJOR DEEGAN EXPRESSWAY	BRONX	UNKNOWN
0012941		GRAND CONCOURSE & 92ND S	BRONX	UNKNOWN
0012756	INTO A SEWER	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
0008417	EXTERIOR ST &	MAJOR DEEGAN EXPRESSWAY	BRONX	UNKNOWN
0004792		CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
0003714	PHELAM YARD MAIN TRACK	MILE POST E-15	BRONX	UNKNOWN
0002198	VAULT 1690	256 GREEN POINT AVENUE	BRONX	UNKNOWN
9606764	FEEDER #71	DUNWOODIE TO RAINEY	NEW YORK CITY	UNKNOWN
9004330	3915 OILOTT AVE/BX	3915 OILOTT AVENUE	NEW YORK CITY	UNKNOWN
9004299	137 ZEIZER PLACE/BX	137 ZEIZER PLACE	NEW YORK CITY	UNKNOWN
9002010	CROSS BRONX EXPRESSWAY	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8904199	MAJOR DEEGAN/NORTHBOUND	MAJOR DEEGAN/NORTHBOUND	NEW YORK CITY	UNKNOWN
8807409	CROSS BRONX EXPWY/BX	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8700910	UNIVERSITY AVENUE/BRONX C	UNIVERSITY AVENUE	NEW YORK CITY	10453
8700070	CROSS BRONX EXPRESSWAY/W	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8802530	CNTRL TRNSPRTN TANKER	CROSS BX EXPSWY	NYC	UNKNOWN

Petroleum Bulk Storage Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP

2-156418	MOBIL S/S 1JARDH AAMCO TRANAS	MOBIL S/S 1JARDH AAMCO TRANAS	BRONX	10400
2-325929	C O REALTY INC	2136 CHURCH AVE	BRONX	UNKNOWN

Hazardous Waste Generation or Transport Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYP004001707	CONSOLIDATED EDISON CO	SOUTH 5TH AVENUE V8733		UNKNOWN
NYP004022687	CONSOLIDATED EDISON CO	#3442 1600 HARRISON AVE		10453
NYP004026936	CONSOLIDATED EDISON CO	V4798 GRAND & CLINTON		UNKNOWN
NYP000914721	NYNEX	E 108TH ST & DALY ST	BRONX	UNKNOWN
NYP001132338	CONSOLIDATED EDISON	MH11582-AVE C	BRONX	UNKNOWN
NYP004027413	CONSOLIDATED EDISON	BRONX ST	BRONX	UNKNOWN
NYP004057592	CONSOLIDATED EDISON	MH26587	BRONX	UNKNOWN
NYP004076485	CONSOLIDATED EDISON	DAVIDSON ST	BRONX	UNKNOWN
NYP004087912	CONSOLIDATED EDISON	2 EIGHT AVE-WHITESTONE CINEMAS	BRONX	UNKNOWN
NYP004095949	CONSOLIDATED EDISON	185 W321 ST MH8989	BRONX	UNKNOWN
NYP004098976	CONSOLIDATED EDISON	E 123 ST & BROOK AVE MH5961	BRONX	UNKNOWN
NYP004106179	CONSOLIDATED EDISON	MH220-S FULTON & ITHICA	BRONX	UNKNOWN
NYP004128936	CONSOLIDATED EDISON	GATEHOUSE EDGEWATER PK	BRONX	UNKNOWN
NYP004129938	CONSOLIDATED EDISON	GATEHOUSE EDGEWATER PK MEAGER	BRONX	UNKNOWN
NYP004131199	CONSOLIDATED EDISON	655 ARROW AVE	BRONX	UNKNOWN
NYP004136115	CONSOLIDATED EDISON	?	BRONX	UNKNOWN
NYP010000446	NYCDEP	2204 CENTRAL AV	BRONX	UNKNOWN
NYP010001345	NYCDEP	JEROME AVE	BRONX	UNKNOWN
NYR000081950	NEW YORK CITY TRANSIT AUTHORITY	JEROME AVE	BRONX	UNKNOWN
NYP000929406	CONSOLIDATED EDISON	VS2711-E TREMONT	BROOKLYN	UNKNOWN
NYP004127148	CONSOLIDATED EDISON	SCHWARTZ AVE	EAST CHESTER	UNKNOWN
NY0000010363	NYCDOT	N/S	N/S	UNKNOWN
NYP004039327	CONSOLIDATED EDISON	N/S	NEW YORK	UNKNO
NYP004078721	CONSOLIDATED EDISON	200 FOREST AVE	NEW YORK	UNKNOWN
NYP004102281	CONSOLIDATED EDISON	F/O 491 HARRISON AVE	NEW YORK	UNKNOWN
NYP004120366	CONSOLIDATED EDISON	MH132	NEW YORK	UNKNOWN
NYP004134565	CONSOLIDATED EDISON	MH26084-CARPENTER AVE	NEW YORK	UNKNOWN
NYP004011334	CONSOLIDATED EDISON	V 1054 - WASHINGTON AVE	QUEENS	UNKNOWN
NYP004016242	CONSOLIDATED EDISON	V9379-32 HARRISON	QUEENS	UNKNOWN
NYP004014213	CONSOLIDATED EDISON	V 809 - HULUENOT & HARRISON	STATEN ISLAND	UNKNOWN
NYP004070231	CONSOLIDATED EDISON	RED OAK	WESTCHESTER	UNKNOWN
NYP004125126	CONSOLIDATED EDISON	BRONX ST & MOTT ST	WESTCHESTER	UNKNOWN

Air Releases

FACILITY ID	FACILITY NAME		STREET	CITY	ZIP
NY005X08L	TAPOLD REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X12G	J A D REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X40E	ANTHONY ASSOC	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
3606160150	NYS UDC COGENERATION		MOTT HAVEN ROF PROC	SOUTH BRONX	UNKNOWN

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

D001 Solid waste that exhibits the characteristic of ignitability, but is not listed under any other hazardous waste code.

D008 Lead

Source: U. S. Environmental Protection Agency

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a computerized version of the U. S. Census map using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each *Toxic Site Profile,* along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12 Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a computerized version of the U. S. Census map. These site locations are identified "address-matched."

Note: Some sites have an address match location <u>and</u> a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/operators or governnent agencies. These site locations are identified "map coordinate." <u>Map coordinates for Toxics Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect</u> .

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Environmental Reports contain government and other information compiled on 21 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated from: 5/7/2008. Data obtained by Toxics Targeting: 5/7/2008.
New Facilities updated through: 5/7/2008. Data obtained by Toxics Targeting: 5/7/2008.

2) **Inactive Hazardous Waste Disposal Site Registry**: New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. Also included are sites that qualify for possible inclusion on the Registry. These Registry Qualifying sites may or may not be on the Site Registry.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.
New Facilities updated to: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.

3) **Corrective Action Activity (CORRACTS):** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

4) **CERCLIS**: Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. No Further Remedial Action Planned (NFRAP) sites are also included.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated through: 1/09/2008. Data obtained by Toxics Targeting: 3/12/2008.
New Facilities updated through: 1/09/2008. Data obtained by Toxics Targeting: 3/12/2008.

5) **Brownfield Programs:** NYS programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.
ASTM required.* Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.
New Facilities updated to: 2/05/2008. Data obtained by Toxics Targeting: 2/06/2008.

(a) Brownfield Cleanup Program (BCP)
(b) Voluntary Cleanup Program (VCP)
(c) Environmental Restoration Program (ERP)

6) **Solid Waste Facilities:** NYS database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated to: 12/31/2001. Data obtained by Toxics Targeting: 3/16/2002.

Also includes a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.
Source: City of New York Department of Sanitation (1984). Waste Disposal Problem in New York City: A Proposal For Action.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

8) **Spills Information Database**: Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). The database includes *active* and *closed* spills reported on or before 02/05/2008.
ASTM required.* Fannie Mae.** Source: NYS Department of Environmental Conservation.[2]

Spill attribute data through: 02/05/2008 New spills through: 02/05/2008

Active spills: paperwork not completed. Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant The to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. **Data withheld by the NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 1/1/2002. New facilities data obtained by Toxics Targeting: 1/11/2002.
Tank data updated through: 1/1/2002. Tank data obtained by Toxics Targeting: 1/11/2002.

10) **Petroleum Bulk Storage Facilities:** Local and State databases of aboveground and underground petroleum storage facilities with a combined storage capacity over 1,100 gallons.
ASTM required.* Fannie Mae required.** Source: NYS Department of Environmental Conservation.[2]

All New York Counties except Cortland, Nassau, Rockland, Suffolk, and Westchester:
New facilities updated through: 4/2/2007. Data obtained: 4/5/2007.
Tank data updated through: 4/2/2007. Data obtained by Toxics Targeting: 4/5/2007.

11) **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the NYS Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 7/6/2006. New facilities obtained by Toxics Targeting: 7/10/2006.
Manifest transactions data updated to: 7/6/2006. Manifest transactions data obtained by Toxics Targeting: 7/10/2006.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]

New facilities updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.
Data attributes updated through: 6/6/2006. Data obtained by Toxics Targeting: 6/16/2006.

12) **Chemical Bulk Storage Facilities**: New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. **Data withheld by NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated through: 1/1/2002. Data obtained by Toxics Targeting: 1/11/2002.

13) **Historic New York City Utility Facilities (1898 to 1950)**: An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Hazardous Substance Waste Disposal Site Study:** NYS database of waste disposal sites that may pose threats to public health or the environment, but could not be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

15) **Toxic Release Inventory (TRI)**: Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1] / NYS Department of Environmental Conservation[2]
Data updated through: 3/8/2004. Data obtained by Toxics Targeting: 3/25/2004

16) **Toxic Wastewater Discharges (Permit Compliance System)**: Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 6/17/2004. Data obtained by Toxics Targeting: 7/19/2004.

17) **Air Discharge Facilities**: EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.
See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency[1]
Data updated through: 11/24/1999. Data obtained by Toxics Targeting: 1/6/2000

18) **Civil Enforcement & Administrative Docket**: This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
New Sites through: 10/14/1999.
Data updated through: 10/14/1999. Data obtained by Toxics Targeting: 11/18/1999.

19) **New York City Environmental Quality Review (CEQR) – E Designation Sites:** These sites are parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed. Source: New York City Department of Planning[3]
Data updated through: 10/29/2007. Data obtained by Toxics Targeting: 11/08/2007

20) **New York City Fire Department Tank Data**.
Source: New York City Fire Department. Data obtained by Toxics Targeting: 2/13/1997

21) **Emergency Response Notification System (ERNS)**: Federal database of spills compiled by the Emergency Response Notification System. On-site searches only.
ASTM required.* See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 1/31/2000. Data obtained by Toxics Targeting: 2/15/2000

* American Society of Testing Materials: Standard Practice on Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05).

** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

[1]U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

[2]NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

[3]New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216

Impact Environmental
Environmental Site Assessment

Appendix D
Federal Government

IMPACT ENVIRONMENTAL

170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
631.269.8800 TELEPHONE
631.269.1599 FACSIMILE
WWW.IMPACTENVIRONMENTAL.COM

5/21/2008

Wanda Calderon, FOIA Officer
US EPA Region 2
290 Broadway, 26th Floor
New York, New York 10007-1866

FOI REQUEST

Site Address: 60 W. 177th Street/ 92 W Tremont Ave.
Bronx, NY / W. Tremont Ave., Bronx, NY

Municipal Block & Lot: Block 2867 Lot 128 / Block 2867 Lot 125

Dear Ms. Calderon:

I am writing to formally request any information regarding the environmental quality of the property identified above. Specific information regarding the property to assist in its identification is noted below. Said request includes any information regarding storage of toxic or hazardous materials, inspections of the property, violations, sampling performed on the property, permits, etc. on the above-captioned property.

Facilitating one: Vacant Land

Owned by: HOUSING PRESERVATION & DEVELOPMENT

Your consideration in this matter is greatly appreciated. Please feel free to contact me if you have any questions regarding this request.

Sincerely,
IMPACT ENVIRONMENTAL CONSULTING, INC.

James Cressy
Environmental Scientist
Ph: 631-269-8800

Impact Environmental
Environmental Site Assessment

Appendix E
State Government

IMPACT ENVIRONMENTAL

170 KEYLAND COURT
BOHEMIA, NY 11716
631.269.8800 TELEPHONE
631.269.1599 FACSIMILE
WWW.IMPACTENVIRONMENTAL.COM

Ms. Ruth Earl – Records Access Officer, NYS DEC
625 Broadway, 14th Floor
Albany, New York 12233-1016

Fax: 518-402-2209

FOI REQUEST
Site Address: **60 W. 177th Street/ 92 W Tremont Ave., Bronx, NY**
Known Spill Numbers: W. Tremont Avenue, Bronx, NY

Dear Ms. Earl:

I am writing to request information on DEC files addressing environmental quality for the property at the above address. Information to assist in identifying the site is noted below:

Current Owner: **HOUSING PRESERVATION & DEVELOPMENT**

Facility Description: Vacant Land

Our request is to identify any pertinent files held within the following Departments:

- [X] Solid & Hazardous Materials – Storage of Materials, Inspections/Violations
- [ ] Division of Pesticides - Storage of Materials, Permits, Inspections/Violations
- [ ] Division of Air – Permits, Inspections/Violations
- [X] Division of Environmental Remediation - Permits, Inspections/Violations
- [ ] Division of Water – Permits, Sampling, Inspections/Violations
- [ ] Department of Law Enforcement - Violations
- [ ] Division of Environmental Permits – Permits, Certificates
- [ ] Bureau of Marine Habitat Protection - Violations
- [X] Oil Spills Unit – Spill Details, Monitoring/Remediation

Your consideration in this matter is greatly appreciated. We will follow up by phone, to ascertain whether we might further assist you with any questions regarding this request.

Sincerely,
IMPACT ENVIRONMENTAL

James Cressy 5/21/2008
Date

Impact Environmental
Environmental Site Assessment

Appendix F
City Government

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Application for Records, Article 6 - New York State Public Officers Law, Freedom of Information Law

Complete Part I of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Send the complete application to the Records Access Officer at NYC DEP, Bureau of Legal Affairs, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373 or fax to (718) 595-6543

PART I. APPLICATION - Check Bureau(s) known or believed to have the record(s):

- ☐ Executive
- ☐ General Counsel
- ☐ Agency Chief Contracting Office
- ☐ Bureau of Customer Services (Water Bills)
- ☒ Bureau of Environmental Compliance
- ☒ Asbestos
- ☒ Hazardous Materials
- ☐ Air & Noise
- ☒ Environmental Control Board
- ☒ Bureau of Environmental Engineering
- ☒ Office of Environmental Planning and Assessment
- ☐ Bureau of Wastewater Treatment
- ☐ Sewer discharge violations
- ☐ Bureau of Water and Sewer Operations
- ☐ Water Records
- ☐ Sewer Records
- ☐ Bureau of Water Supply
- ☐ Water Quality
- ☐ DEP Police
- ☐ _____

I hereby apply to ○ inspect or ○ receive copies of the following records (use additional sheets as needed and attach):

60 W. 177th Street/ 92 W Tremont Ave. Bronx W. Tremont St., Bronx, NY — Block 2867 Lot 128 / Block 2867 Lot 1

any information regarding storage of toxic or hazardous materials, inspections of the property, violations, sampling performed on the property, permits, etc.

Name: James Cressy Phone: 631-269-8800 E-Mail: _____

Firm: Impact Environmental

Address: 170 Keyland Court Bohemia, New York

Signature: _____ Date: 5/21/08

PART II. DISPOSITION OF REQUEST (*TO BE COMPLETED BY THE DEPARTMENT*)

• •**APPROVED** • **APPROVED IN PART** - - To arrange for access to the records, please contact:

_____ _____ _____

(Department Representative) (Bureau) (Phone No.)

Number of Pages:_____ x$.25 per page = Cost:_____

• •**DENIED** • •**DENIED IN PART** - - for reason(s) checked: References are to Sec. 87 of the Public Officers Law.

- ☐ Exempt: State/Fed. Statute (2(a))
- ☐ Invasion of personal privacy (2(b))
- ☐ Competitive position injury (2(d))
- ☐ Exempt: Law Enforcement (2(e))
- ☐ Inter/Intra-agency material (2(g))
- ☐ (Other)_____

Brief Description of records not subject to disclosure_____

A denial, in whole or in part, may be appealed within 30 days by writing to the NYCDEP FOIL Appeals Officer, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373

☐ **UNAVAILABLE** - - for reason(s) checked:

- Not described in sufficient detail
- Not maintained by this Department
- After search, no records responsive to request located
- (Other)_____

LOG NO.:_____

(Department Representative) (Bureau) (Date)

• • •Fee Waived • • •Check/M.O. received • • •Check/M.O. requested DOC# 050303

FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Tanks Section

9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442

Tank Request Form

OFFICE USE ONLY
Cashier / Search No.

SECTION A **CUSTOMER INFORMATION**

Please print your address and contact telephone number.

James Cressy w/ Impact Enviromental
Name

170 Keyland Court
Address

Bohemia, New York 11716
State Zip Code

(631) 269-8800
Telephone Number

Processing may take time, please choose one option below:
I will wait for it ☐ I will it pick- up ☐ Mail it to my address ☒

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order (made payable to the NYC Fire Department) and a self-addressed envelope. Chemical Storage (gasoline, fuel oil, diesel fuel, kerosene, etc.) listed above.
X DO NOT MAIL CASH. Cash payments can only be made in person and accepted by our Cashiers Office (9am – 3pm).

SECTION B **PLEASE PRINT THE ADDRESS TO BE SEARCHED.**

60 W. 177th Street/ 92 W Tremont Ave. / w. Tremont
House Number Street Name

Bronx
Borough

CUSTOMER – PLEASE READ THE INFORMATION BELOW.

A CERTIFIED REPORT WILL BE MAILED TO THE ADDRESS YOU HAVE PROVIDED WITHIN TEN (10) BUSINESS DAYS AFTER DATE SUBMITTED. COMPUTER PRINTOUTS WILL BE PROVIDED ONLY UPON REQUEST.

After you have received the certified report, you may request a certified computer printouts and/or a copy of any related record for an additional fee of $0.25 (cents) / per page. The fee for individual copies can only be determined after this search has been completed and you have received the related report. All payments are non-refundable.

Note: All listed tank information come from records, which exist in the FDNY District Office Folders and computer files. Also, please be advised that this search will not include records manually kept by Fire or Engine Companies, unless a summons for "Failure to Comply" was issued.

SECTION C **FUEL (HEATING) OIL TANKS - FEE $10.00 / PER REPORT**

If you would like to obtain a certified report, please complete this section by checking one or more boxes from the selection below.

☒ ITEM 1 – THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS (includes installation date)

☒ ITEM 2 – THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS

☐ ITEM 3 – OTHER: _____

For Office Use Only – Do not write in this section.

Searched By: _____ Date: ___/___/___

(PLEASE SEE OTHER SIDE OF FORM)

IEC Project Number: 1370-1-08-0508

SECTION D **BURIED MOTOR VEHICLE TANKS - FEE $10.00 / PER REPORT**

If you would like to obtain a certified report, please complete this section by checking one or more boxes from the selection below.

- [X] ITEM 1 – THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS
- [X] ITEM 2 – THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS
- [X] ITEM 3 – MOST RECENT TANK / PIPING TEST RESULTS (Includes type of test performed)
- [X] ITEM 4 – HISTORY OF BURIED MOTOR VEHICLE TANKS LEAKS
- [ ] ITEM 5 – OTHER: _____

For Office Use Only – Do not write in this section.

Searched By: _____ Date: ___/___/___

SECTION E **PLEASE READ STATEMENT AND SIGN BELOW.**

I have read all of the instructions and clearly understand all of the information listed in each completed section.

Customer / Signature: _____ Date: ___/___/___

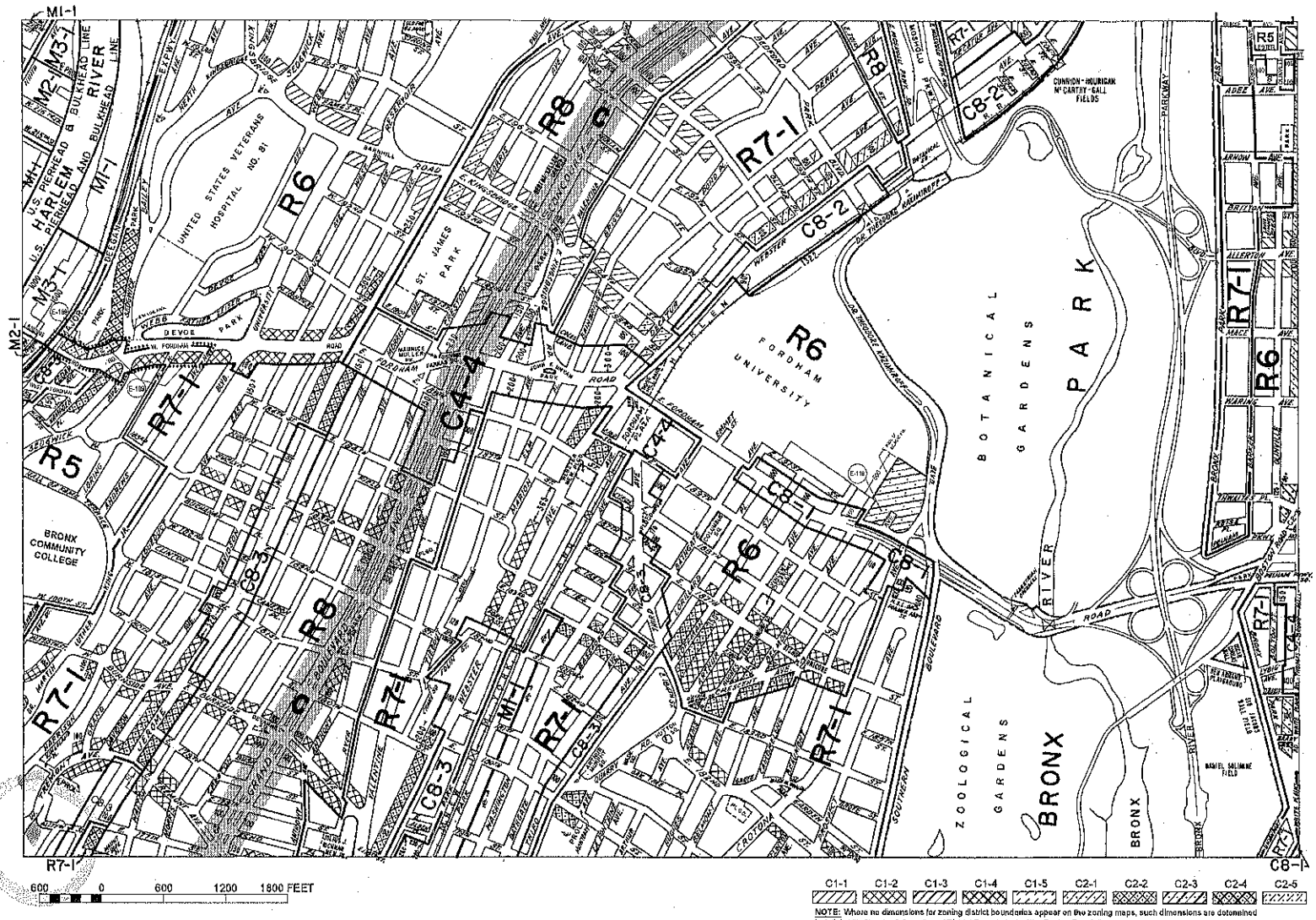
For Office Use Only – Do not write in this section.

Total Amount

Accepted by / Initials: _____ Date: ___/___/___

Certification Stamp

Electronic Stamp Below – Date / Time Received



C1-1 C1-2 C1-3 C1-4 C1-5 C2-1 C2-2 C2-3 C2-4 C2-5

NOTE: Where no dimensions for zoning district boundaries appear on the zoning maps, such dimensions are determined in Article VII, Chapter 8 (Location of District Boundaries) of the Zoning Resolution.

ZONING MAP

THE NEW YORK CITY PLANNING COMMISSION

Major Zoning Classifications:

The number(s) and/or letter(s) that follows an **R, C** or **M** District designation indicates use, bulk and other controls as described in the text of the Zoning Resolution.

R – RESIDENTIAL DISTRICT

C – COMMERCIAL DISTRICT

M – MANUFACTURING DISTRICT

AREA(S) REZONED

EFFECTIVE DATE(S) OF REZONING:
1-09-2008 C 060320 ZMX

SPECIAL PURPOSE DISTRICT
The letter(s) within the shaded area designates the special purpose district as described in the text of the Zoning Resolution.

(D) – RESTRICTIVE DECLARATION

(E) – CITY ENVIRONMENTAL QUALITY REVIEW DECLARATION

N

MAP KEY

1b	1d	2b
3a	**3c**	4a
3b	3d	4b

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ZONING MAP **3c**

NOTE: Zoning information as shown on this map is subject to change. For the most up-to-date zoning information for this map, visit the Zoning section of the Department of City Planning website: www.nyc.gov/planning or contact the Zoning Information Desk at (212) 720-3291.

NYC BUILDINGS

NYC .gov always open

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

92 WEST TREMONT AVENUE — **BRONX 10453** — **BIN# 2818049**

WEST TREMONT AVENUE 92 - 98

Health Area	:	**Tax Block**	: 2867
Census Tract	:	**Tax Lot**	: 125
Community Board	: 205		

View DCP Addresses... Browse Block View Certificates of Occupancy

DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		

Special District: NONE

Department of Finance Building Classification: V0-VACANT LAND

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	0	0
Violations-DOB	0	0
Violations-ECB	0	0
Jobs/Filings	0	
PRA / ARA Jobs	0	
Total Jobs	0	
Actions	44	

OR Enter Action Type:

OR Select from List: Select...

AND Show Actions

- Elevator Records
- Electrical Applications
- Permits In-Process / Issued
- Illuminated Signs Annual Permits
- Plumbing Inspections
- Open Plumbing Jobs / Work Types
- Facades
- Marquee Annual Permits
- Boiler Records
- DEP Boiler Information

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC Department of Buildings

Actions

Page: 1

Premises: 92 WEST TREMONT AVENUE BRONX BIN: 2818049 Block: 2867 Lot: 125

NUMBER	TYPE	FILE DATE
ALT 307-44	ALTERATION	00/00/1944
ALT 143-47	ALTERATION	00/00/1947
ALT 94-59	ALTERATION	00/00/1959
ALT 224-63	ALTERATION	00/00/1963
BN 897-41	BUILDING NOTICE	00/00/1941
BN 917-54	BUILDING NOTICE	00/00/1954
BN 35-59	BUILDING NOTICE	00/00/1959
BN 801-60	BUILDING NOTICE	00/00/1960
BN 547-61	BUILDING NOTICE	00/00/1961
BN 264-69(98)	BUILDING NOTICE	00/00/1969

Next

Enter Action Type: Or Select from List: Select... Refresh

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NYC Department of Buildings

Actions

Premises: 92 WEST TREMONT AVENUE BRONX **BIN: 2818049** **Block: 2867** **Lot: 125**

NUMBER		TYPE	FILE DATE
CO NB 627-28	(PDF)	CERTIFICATE OF OCCUPANCY	00/00/0000
CO 4013-48	(PDF)	CERTIFICATE OF OCCUPANCY	00/00/1948
CO 27982-59	(PDF)	CERTIFICATE OF OCCUPANCY	00/00/1959
CO 37234-64	(PDF)	CERTIFICATE OF OCCUPANCY	00/00/1964
DEM 419-79		DEMOLITION	00/00/1979
ES 317-54		ELECTRIC SIGN	00/00/1954
ES 269-63		ELECTRIC SIGN	00/00/1963
ES 320-63		ELECTRIC SIGN	00/00/1963
MIS 409-60		MISCELLANEOUS	00/00/1960
NB 12-1927		NEW BUILDING	00/00/0000

Previous Next

Enter Action Type: Or Select from List: Select... Refresh

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NYC Department of Buildings

Actions

Premises: 92 WEST TREMONT AVENUE BRONX **BIN: 2818049 Block: 2867 Lot: 125**

NUMBER	TYPE	FILE DATE
PA 48-63	PUBLIC ASSEMBLY	00/00/1963
PRS 294-55	PLUMBING REPAIR SLIP	00/00/1955
PRS 325-55	PLUMBING REPAIR SLIP	00/00/1955
PRS 55-55	PLUMBING REPAIR SLIP	00/00/1955
PRS 1295-62	PLUMBING REPAIR SLIP	00/00/1962
PRS 874-63	PLUMBING REPAIR SLIP	00/00/1963
PRS 988-63	PLUMBING REPAIR SLIP	00/00/1963
SR 121-51ACCR	SPECIAL REPORT	00/00/1951
SR 902-51C	SPECIAL REPORT	00/00/1951
SR 730-54C	SPECIAL REPORT	00/00/1954

Previous Next

Enter Action Type: Or Select from List: Select... Refresh

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC Department of Buildings

Actions

Page: 4

Premises: 92 WEST TREMONT AVENUE BRONX **BIN: 2818049 Block: 2867 Lot: 125**

NUMBER	TYPE	FILE DATE
SR 963-57C	SPECIAL REPORT	00/00/1957
SR 597-58C	SPECIAL REPORT	00/00/1958
SR 1099-59C	SPECIAL REPORT	00/00/1959
SR 1547-59FILE	SPECIAL REPORT	00/00/1959
SR 1550-59FD	SPECIAL REPORT	00/00/1959
SR 2119-59FD	SPECIAL REPORT	00/00/1959
SR 695-59LL	SPECIAL REPORT	00/00/1959
SR 94-59FD	SPECIAL REPORT	00/00/1959
SR 1133-61C	SPECIAL REPORT	00/00/1961
SR 1181-61C	SPECIAL REPORT	00/00/1961

Previous Next

Enter Action Type: Or Select from List: Select... Refresh

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC Department of Buildings

Actions

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Premises: 92 WEST TREMONT AVENUE BRONX **BIN: 2818049 Block: 2867 Lot: 125**

NUMBER	TYPE	FILE DATE
SR 703-61C	SPECIAL REPORT	00/00/1961
SR 102-63C	SPECIAL REPORT	00/00/1963
SR 73-63C	SPECIAL REPORT	00/00/1963
SR 429-64C	SPECIAL REPORT	00/00/1964

Previous

Enter Action Type: Or Select from List: Select... Refresh

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

Form [illegible] 714

DEPARTMENT OF HOUSING AND BUILDINGS

BOROUGH OF BRONX , CITY OF NEW YORK BK

No.

Date

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No. N.B. 627/28

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~new~~—altered ~~existing~~ building—premises located at

92 E. Tremont Ave. S/S 165' E. of 177th St. Block 2867 Lot 127

, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~New~~ Alt. No.— 143/47 Construction classification— Non-fireproof

Occupancy classification— Commercial . Height 1 stories, 18 feet.

Date of completion— February 4, 1948 . Located in Business Use District.

B Area Class 1? . Height Zone at time of issuance of permit

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED MALE	FEMALE	TOTAL	USE
Cellar	on ground		5	5	Boiler and Sorting Room, Storage.
First	120	15	10	25	Stores and Laundry

NOTE: No steam or wet washing done on premises only ironing, sorting and packing.

NOTE: Fire Department approval of fire extinguishing equipment received May 15, 1947.

NOTE: Fire Department approval of fuel oil installation received May 8, 1947.

Borough Superintendent.

(Page 1)

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing its height shall be made; nor shall the building be moved from one location or position to another; nor shall there be by any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Housing and Buildings at this time; that Section 646 of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

Form 54-89M-702959(57) 114

DEPARTMENT OF BUILDINGS

BOROUGH OF BRONX , THE CITY OF NEW YORK

No. 27052

Date NOV 12 1959

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C.26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No. 4013/48

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~xxx~~ altered ~~existing~~ building—premises located at

92 West Tremont Ave. S/S 165'11" S. of W. 177th St. Block 2867 Lot 125

conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~xxxx~~Alt. No.— 94-59 Construction classification— Non-fireproof

Occupancy classification— Commercial . Height 1 stories, 15 feet.

Date of completion— 10-19-59 . Located in Retail Use District.

D Area Class 1 . Height Zone at time of issuance of permit

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED MALE	FEMALE	TOTAL	USE
Cellar	on ground				Boiler & Storage
First	120	15	10	25	Stores & Laundry

No steam or wet washing permitted on premises. Ironing, sorting and packing only.

SUPERSEDED BY C.O. 37234-64

NOV 13 1959

ING O.K.

Borough Superintendent

CERTIFICATE WILL BE NULL AND VOID IF ALTERED IN ANY MANNER OR ADDITIONS ARE MADE THERETO.

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

Form 54-C (Rev. 4/62)—80M-681026(ED) 134

DEPARTMENT OF BUILDINGS

BOROUGH OF THE BRONX, THE CITY OF NEW YORK

Date [illegible] No. 37234

CERTIFICATE OF OCCUPANCY

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

This certificate supersedes C. O. No. 27982-59

THIS CERTIFIES that the ~~new~~ altered ~~existing~~ building—premises located at 92-98 West Tremont Avenue Block 2867 Lot 125

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the east side of West Tremont Avenue distant 165.11 feet south from the corner formed by the intersection of West Tremont Avenue and West 177th Street

running thence east 93.24, south 25 feet; thence west 19.9 feet;

thence south 50, west 93.24 feet; thence north 77.7 feet;

running thence ..... feet; thence ..... feet;

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~N.B.~~ or Alt. No.— 224-63 Construction classification— Non-fireproof

Occupancy classification— Commercial. . Height Cellar & 1 stories, 15 feet.

Date of completion— 5/27/63 . Located in R7 Zoning District.

at time of issuance of permit.

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: and The City Planning Commission: } (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces .....

Off-Street Loading Berths .....

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
Cellar	On Ground		Boiler Room, Toilets & Storage.
First	120	125	Market (Use Group 6).
		15	Automatic Self Service Laundry (Use Group 6).
		2	Dry Cleaning Receiving Station Dealing Directly with Ultimate Consumers (No cleaning or pressing) (Use Group 6).

William Frumento Jr.
Acting Borough Superintendent

OFFICE COPY—DEPARTMENT OF BUILDINGS

PERMISSIBLE USE AND OCCUPANCY (continued)

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE

Borough Superintendent

NYC BUILDINGS

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NYC Department of Buildings

Property Profile Overview

80 WEST TREMONT AVENUE BRONX 10453 BIN# 2818047

WEST TREMONT AVENUE 80 - 90

Health Area	:	**Tax Block**	: 2867
Census Tract	:	**Tax Lot**	: 128
Community Board	: 205		

View DCP Addresses... Browse Block View Certificates of Occupancy

DOB Special Place Name:			
DOB Building Remarks:			
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Little 'E' Restricted:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	YES
Additional BINs for Building:	NONE		

Special District: NONE

Department of Finance Building Classification: V0-VACANT LAND

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	0	0
Violations-DOB	0	0
Violations-ECB	0	0
Jobs/Filings	0	
PRA / ARA Jobs	0	
Total Jobs	0	
Actions	5	

OR Enter Action Type:

OR Select from List:

Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC Department of Buildings

Actions

Page: 1

Premises: 80 WEST TREMONT AVENUE BRONX **BIN: 2818047 Block: 2867 Lot: 128**

NUMBER		TYPE	FILE DATE
ALT 954-53		ALTERATION	00/00/1953
CO 13406-53	(PDF)	CERTIFICATE OF OCCUPANCY	00/00/1953
SR 120-54FD		SPECIAL REPORT	00/00/1954
SR 6-54LP		SPECIAL REPORT	00/00/1954
SR 463-63C		SPECIAL REPORT	00/00/1963

Enter Action Type: Or Select from List: Select... Refresh

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

DEPARTMENT OF HOUSING AND BUILDINGS

BOROUGH OF BRONX, CITY OF NEW YORK MG

No. 13106

Date DEC 15 1953

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C.26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No.

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~new—altered—existing—building—premises~~ located at West Tremont Ave., S.W.Corner of W. 177th St.

Block 2867 Lot 128

~~, conforms substantially to the approved plans and specifications,~~ and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~New~~ Alt. No.— 954-53 Construction classification—

Occupancy classification— COMMERCIAL . Height stories, feet.

Date of completion— 12-10-53 . Located in Business Use District.

B Area, Class 1 . Height Zone at time of issuance of permit

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED MALE	PERSONS ACCOMMODATED FEMALE	PERSONS ACCOMMODATED TOTAL	USE
Tremont Lot	On ground				Parking Lot for more than five (5) Motor Vehicles

ZONING O.K.

DEC 14 1953

Borough Superintendent.

CERTIFICATE WILL BE NULL AND VOID IF ALTERED IN ANY MANNER OR ADDITIONS ARE MADE THERETO.

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Housing and Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the buildings or premises, upon payment of a fee of fifty cents per copy.

New York City Department of Finance
Office of the City Register

HELP
[Click help for additional instructions]
Selecting a help option will open new window

Current Search Criteria:

Borough: BRONX
Block: 2867
Lot: 125
Date Range: To Current Date
Document Class: All Document Classes

Search Results By Parcel Identifier

Records 1 - 1 << previous next >> Max Rows 10 [Search Options] [New BBL Search] [Edit Current Search] [**Print Index**]

View	Reel/Pg/File	CRFN	Lot	Partial	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
DET IMG	455/1005		125	ENTIRE LOT	10/5/1981	DEED	681	COMMISSIONER OF FINANCE OF THE CITY OF NEW YORK	THE CITY OF NEW YORK		✓	✓	0

Search Options | New Parcel Identifier Search | Edit Current Search

New York City Department of Finance
Office of the City Register

HELP

[Click help for additional instructions]
Selecting a help option will open new window

Current Search Criteria:

Borough: BRONX
Block: 2867
Lot: 128
Date Range: To Current Date
Document Class: All Document Classes

Search Results By Parcel Identifier

Records 1 - 4 << previous next >> Max Rows 10 [Search Options] [New BBL Search] [Edit Current Search] [**Print Index**]

View	Reel/Pg/File	CRFN	Lot	Partial	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
DET IMG	368/635		128	ENTIRE LOT	8/8/1978	DEED	3	COMMISSIONER OF FINANCE OF THE CITY OF NEW YORK	THE CITY OF NEW YORK		✓	✓	0
DET IMG	206/1298		128	ENTIRE LOT	4/6/1973	MORTGAGE	4	REIVES JOHN	MARTHA HARROW				0
DET IMG	206/1296		128	ENTIRE LOT	4/6/1973	DEED	2	NEILHAR REALTY CORPORATION	MARTHA HARROW				0
DET IMG	206/1294		128	ENTIRE LOT	4/6/1973	DEED	2	HARROW MARTHA	JOHN REIVES				0

Search Options | New Parcel Identifier Search | Edit Current Search

Property Detail Report

For Property Located At

RealQuest®.com

W TREMONT AVE, BRONX NY 10453

Owner Information:

Owner Name:	HOUSING PRESERVATION & DEVELOPMENT		
Mailing Address:	100 GOLD ST #7, NEW YORK NY 10038-1605 C017		
Phone Number:		Vesting Codes:	/ /

Location Information:

Legal Description:			
County:	BRONX, NY	APN:	02867-0128
Census Tract / Block:	217.01 / 1	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	11-03-15 / 11-03-15
Legal Lot:	128	Tract #:	
Legal Block:	2867	School District:	
Market Area:		Munic/Township:	
Neighbor Code:			

Owner Transfer Information:

Recording/Sale Date:	/	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information:

Recording/Sale Date:	/	1st Mtg Amount/Type:	/
Sale Price:		1st Mtg Int. Rate/Type:	/
Sale Type:		1st Mtg Document #:	
Document #:		2nd Mtg Amount/Type:	/
Deed Type:		2nd Mtg Int. Rate/Type:	/
Transfer Document #:		Price Per SqFt:	
New Construction:		Multi/Split Sale:	
Title Company:			
Lender:			
Seller Name:			

Prior Sale Information:

Prior Rec/Sale Date:	/	Prior Lender:	
Prior Sale Price:		Prior 1st Mtg Amt/Type:	/
Prior Doc Number:		Prior 1st Mtg Rate/Type:	/
Prior Deed Type:			

Property Characteristics:

Gross Area:		Parking Type:		Construction:	
Living Area:		Garage Area:		Heat Type:	
Tot Adj Area:		Garage Capacity:		Exterior wall:	
Above Grade:		Parking Spaces:		Porch Type:	
Total Rooms:		Basement Area:		Patio Type:	
Bedrooms:		Finish Bsmnt Area:		Pool:	
Bath(F/H):	/	Basement Type:		Air Cond:	
Year Built / Eff:	/	Roof Type:		Style:	
Fireplace:	/	Foundation:		Quality:	
# of Stories:		Roof Material:		Condition:	
Other Improvements:					

Site Information:

Zoning:	R7-1	Acres:	0.42	County Use:	VACANT ZONED RESIDENTIAL (V0)
Flood Zone:		Lot Area:	18,247	State Use:	
Flood Panel:		Lot Width/Depth:	166 x 110	Site Influence:	CORNER
Flood Panel Date:		Res/Comm Units:	/	Sewer Type:	
Land Use:	RESIDENTIAL LOT			Water Type:	

Tax Information:

Total Value:	$3,331	Assessed Year:	2008	Property Tax:	$495.88
Land Value:	$3,331	Improve %:		Tax Area:	1
Improvement Value:		Tax Year:	2008	Tax Exemption:	
Total Taxable Value:	$3,213				

Property Detail Report

For Property Located At

RealQuest®.com

92-98 W TREMONT AVE, BRONX NY 10453

Owner Information:

Owner Name:	HOUSING PRESERVATION & DEVELOPMENT		
Mailing Address:	100 GOLD ST #7, NEW YORK NY 10038-1605 C017		
Phone Number:		Vesting Codes:	/ /

Location Information:

Legal Description:			
County:	BRONX, NY	APN:	02867-0125
Census Tract / Block:	217.01 / 1	Alternate APN:	
Township-Range-Sect:		Subdivision:	
Legal Book/Page:		Map Reference:	11-03-15 / 11-03-15
Legal Lot:	125	Tract #:	
Legal Block:	2867	School District:	
Market Area:		Munic/Township:	
Neighbor Code:			

Owner Transfer Information:

Recording/Sale Date:	/	Deed Type:	
Sale Price:		1st Mtg Document #:	
Document #:			

Last Market Sale Information:

Recording/Sale Date:	/	1st Mtg Amount/Type:	/
Sale Price:		1st Mtg Int. Rate/Type:	/
Sale Type:		1st Mtg Document #:	
Document #:		2nd Mtg Amount/Type:	/
Deed Type:		2nd Mtg Int. Rate/Type:	/
Transfer Document #:		Price Per SqFt:	
New Construction:		Multi/Split Sale:	
Title Company:			
Lender:			
Seller Name:			

Prior Sale Information:

Prior Rec/Sale Date:	/	Prior Lender:	
Prior Sale Price:		Prior 1st Mtg Amt/Type:	/
Prior Doc Number:		Prior 1st Mtg Rate/Type:	/
Prior Deed Type:			

Property Characteristics:

Gross Area:		Parking Type:		Construction:	
Living Area:		Garage Area:		Heat Type:	
Tot Adj Area:		Garage Capacity:		Exterior wall:	
Above Grade:		Parking Spaces:		Porch Type:	
Total Rooms:		Basement Area:		Patio Type:	
Bedrooms:		Finish Bsmnt Area:		Pool:	
Bath(F/H):	/	Basement Type:		Air Cond:	
Year Built / Eff:	/	Roof Type:		Style:	
Fireplace:	/	Foundation:		Quality:	
# of Stories:		Roof Material:		Condition:	
Other Improvements:					

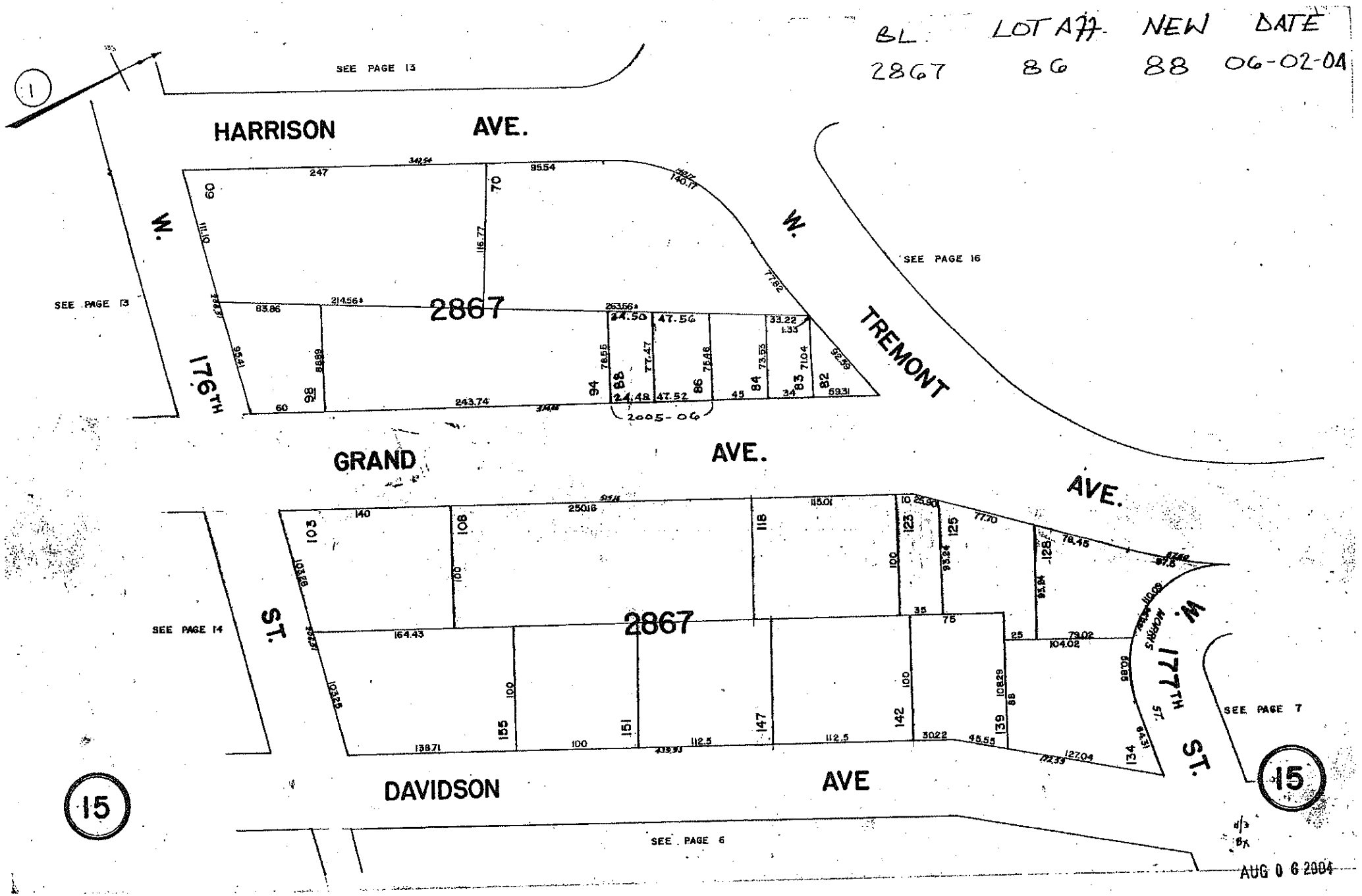
Site Information:

Zoning:	R7-1	Acres:	0.17	County Use:	VACANT ZONED RESIDENTIAL (V0)
Flood Zone:	C	Lot Area:	7,228	State Use:	
Flood Panel:	3604970011B	Lot Width/Depth:	78 x 93	Site Influence:	
Flood Panel Date:	11/16/1983	Res/Comm Units:	/	Sewer Type:	
Land Use:	RESIDENTIAL LOT			Water Type:	

Tax Information:

Total Value:	$2,416	Assessed Year:	2008	Property Tax:	$351.88
Land Value:	$2,416	Improve %:		Tax Area:	1
Improvement Value:		Tax Year:	2008	Tax Exemption:	
Total Taxable Value:	$2,280				

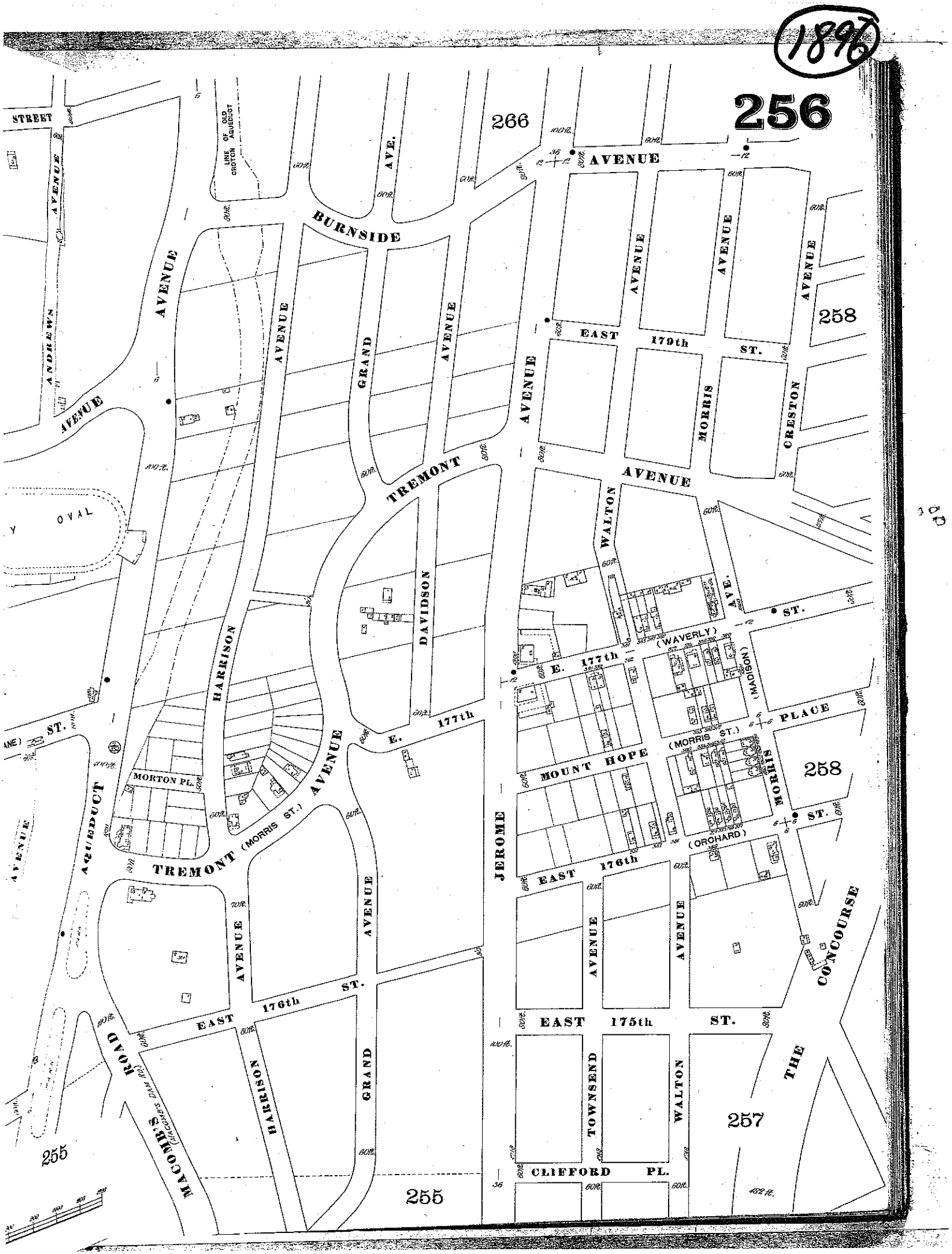
BL. 2867 LOT A77 86 NEW 88 DATE 06-02-04

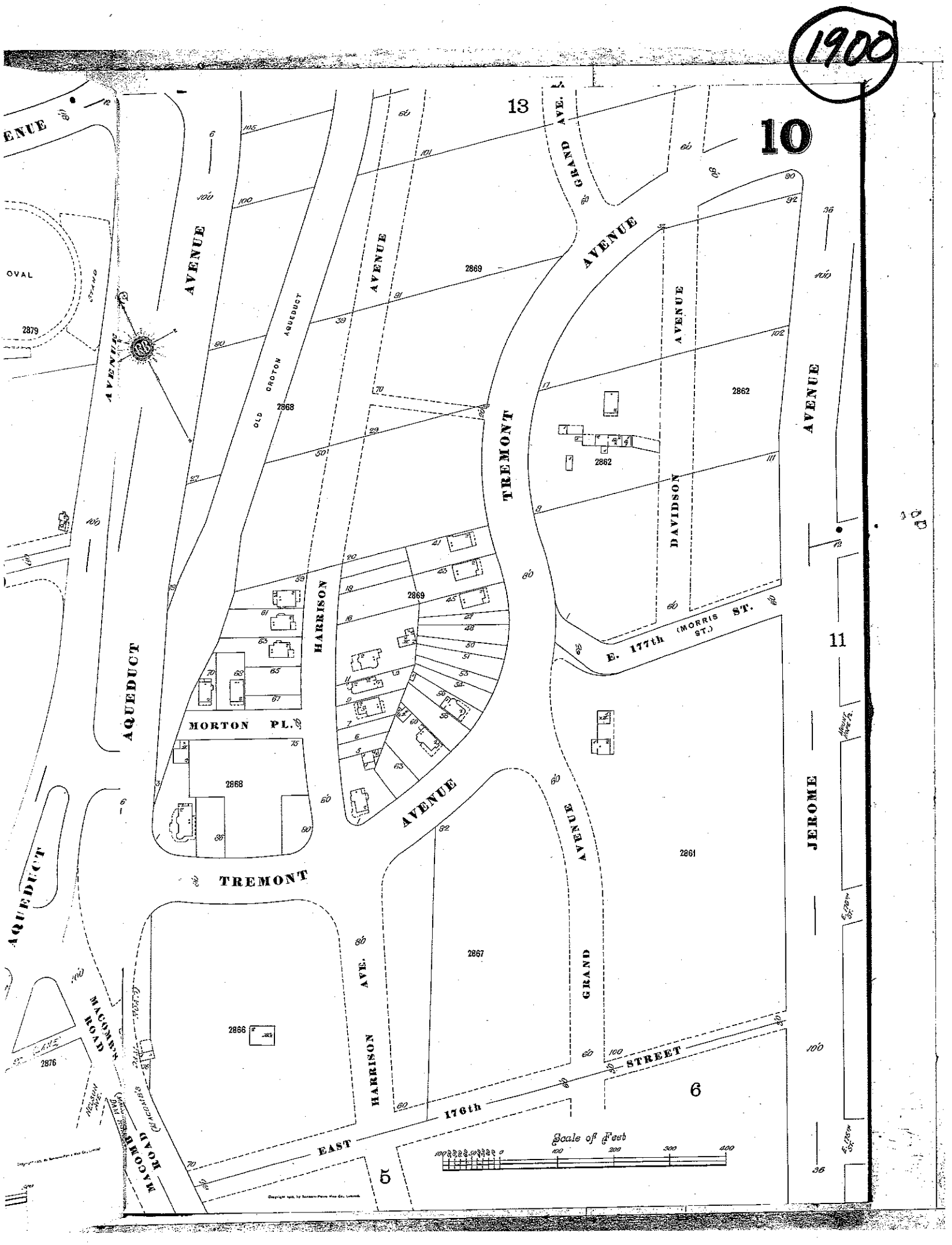


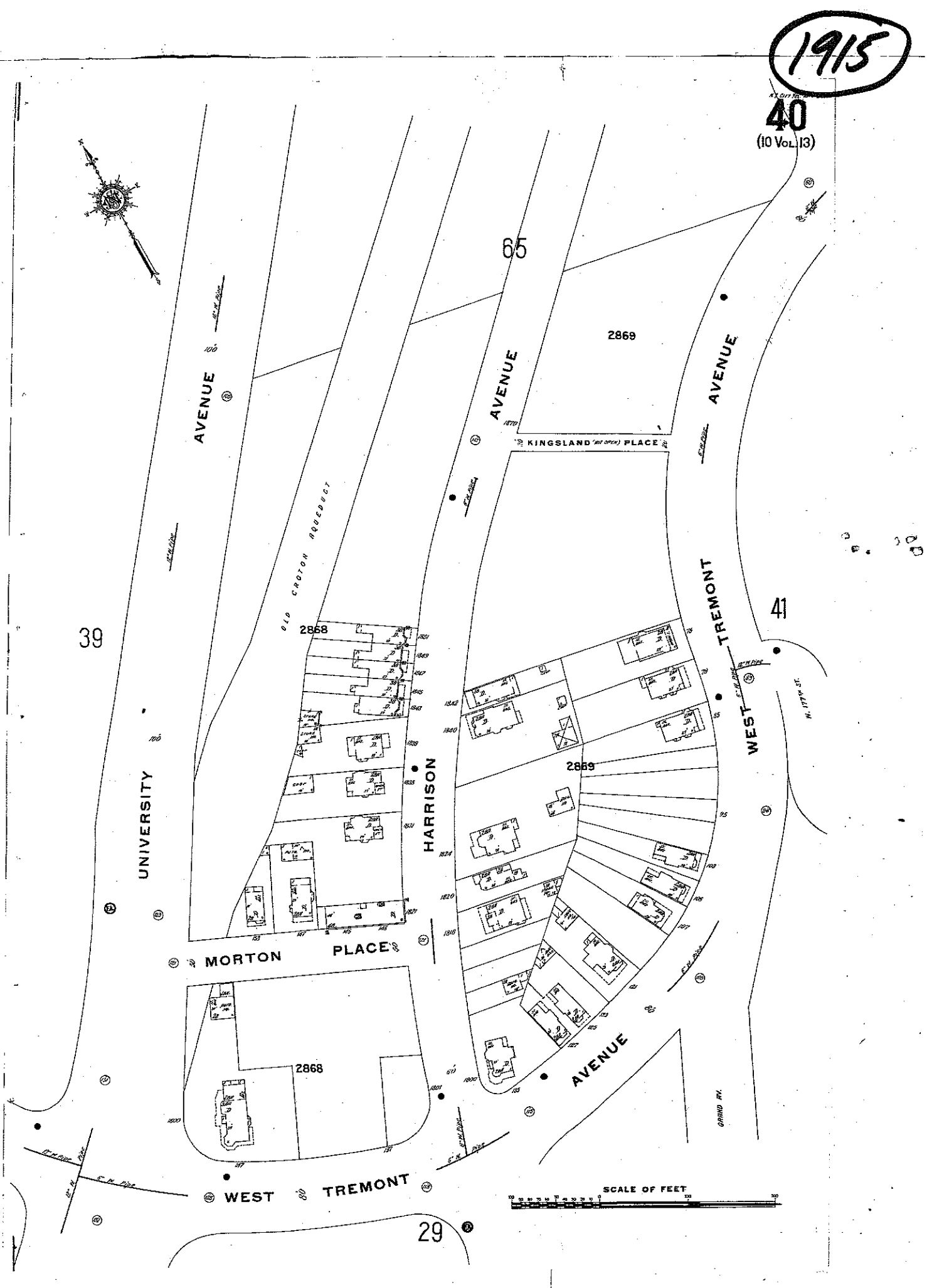
AUG 0 6 2004

Impact Environmental
Environmental Site Assessment

Appendix G
Sanborn Maps


1897
256
266
258
257
255
STREET
AVENUE
ANDREWS
AVENUE
AVENUE
LINE OF OLD CROTON AQUEDUCT
AVE.
BURNSIDE
AVENUE
AVENUE
GRAND
AVENUE
TREMONT
AVENUE
AVENUE
EAST 179th ST.
AVENUE
AVENUE
MORRIS
CRESTON
AVENUE
AVENUE
WALTON
AVE.
ST.
(WAVERLY)
E. 177th
(MADISON)
PLACE
DAVIDSON
HARRISON
AVENUE
MORTON PL.
TREMONT
(MORRIS ST.)
AVENUE
E. 177th
MOUNT HOPE
(MORRIS ST.)
MORRIS
ST.
(ORCHARD)
AQUEDUCT
AVENUE
EAST 176th
JEROME
AVENUE
AVENUE
AVENUE
CONCOURSE
THE
EAST 176th ST.
EAST 175th ST.
ROAD
(MACOMB'S DAM RD.)
MACOMB'S
HARRISON
GRAND
AVENUE
TOWNSEND
WALTON
CLIFFORD PL.


1900
13
10
11
6
5
GRAND AVE.
AVENUE
DAVIDSON AVENUE
JEROME AVENUE
OLD CROTON AQUEDUCT
AQUEDUCT
HARRISON AVE.
TREMONT AVENUE
MORTON PL.
E. 177th (MORRIS ST.) ST.
176th STREET
EAST
MACOMB'S ROAD
2868
2869
2862
2861
2867
2866
2876
2879
OVAL
Scale of Feet
100 0 100 200 300 400

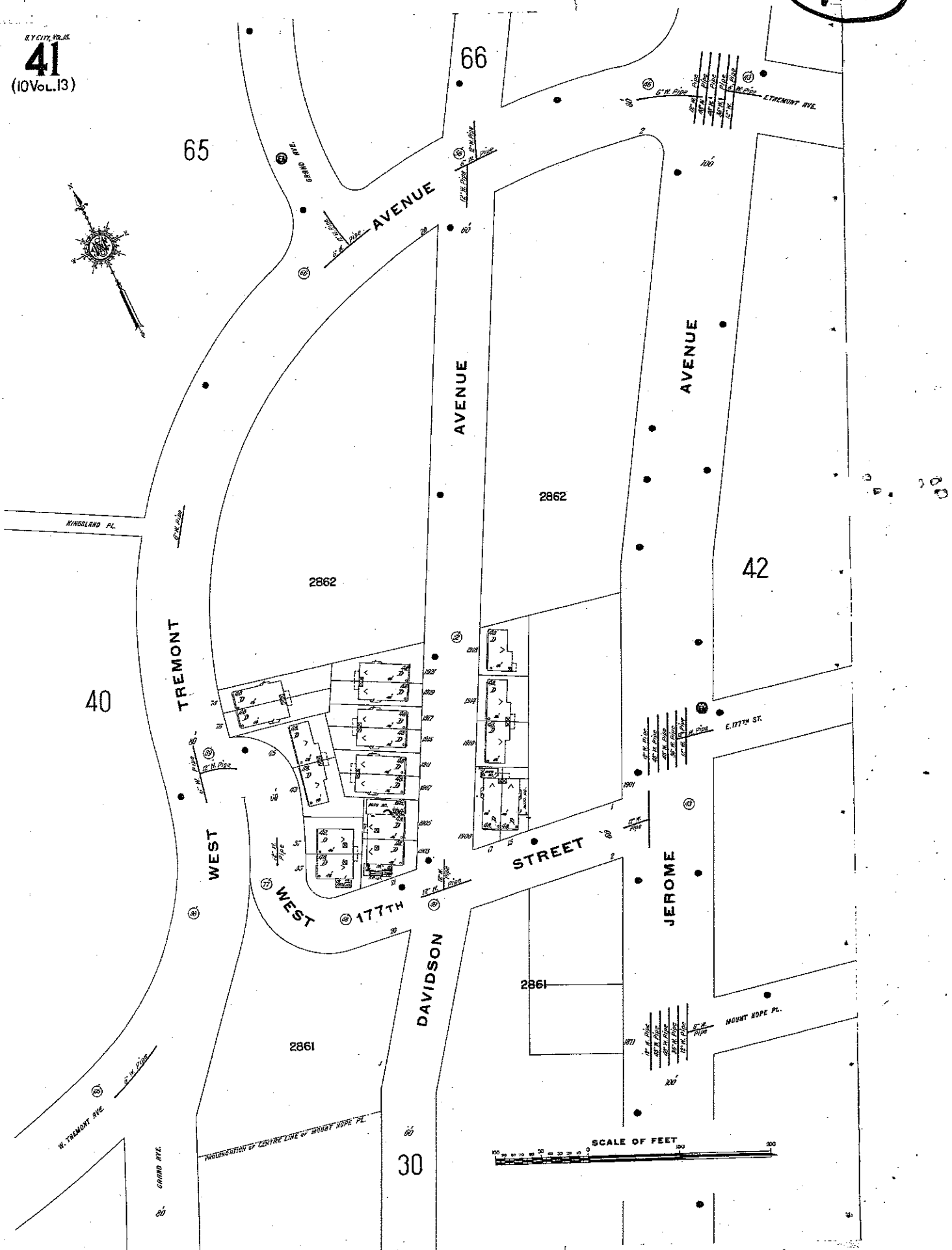

1915
40
(10 Vol. 13)
65
2869
AVENUE
KINGSLAND (not open) PLACE
OLD CROTON AQUEDUCT
39
41
2868
UNIVERSITY
HARRISON
WEST TREMONT
MORTON PLACE
WEST TREMONT
AVENUE
GRAND AV.
W. 177TH ST.
SCALE OF FEET
29

1915

N.Y. CITY, VOL. 15.

41

(10 VOL. 13)

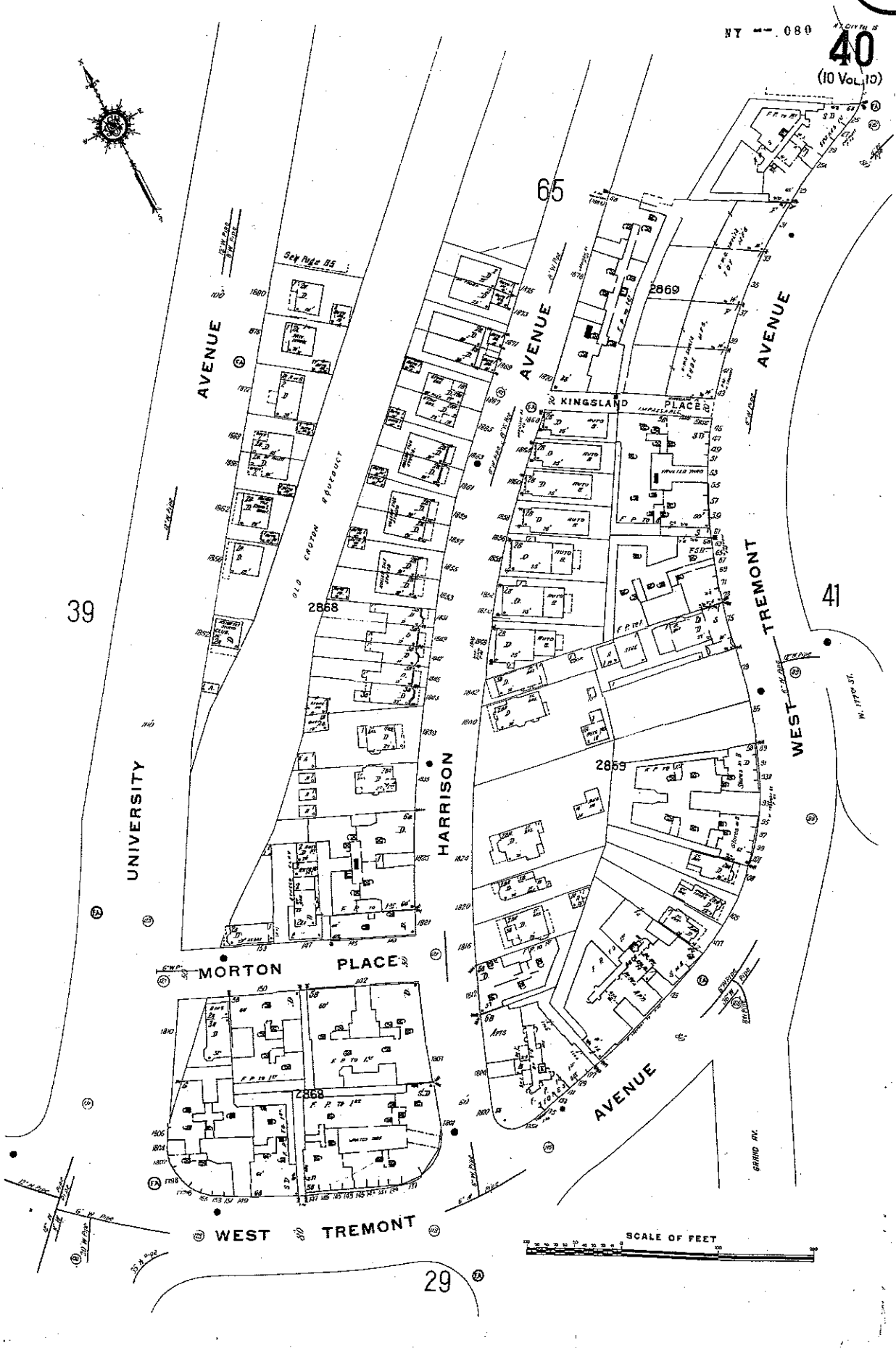


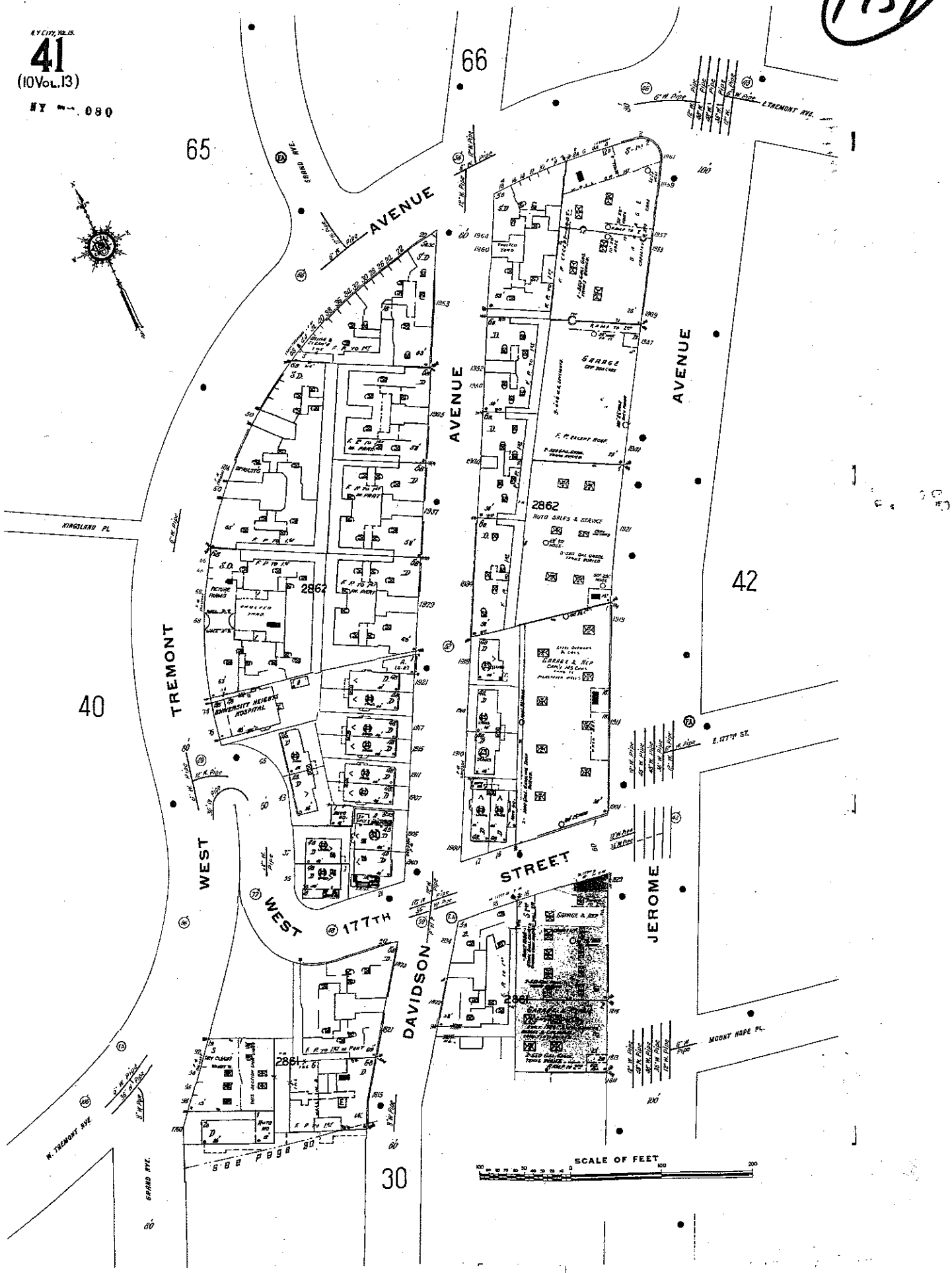
1951

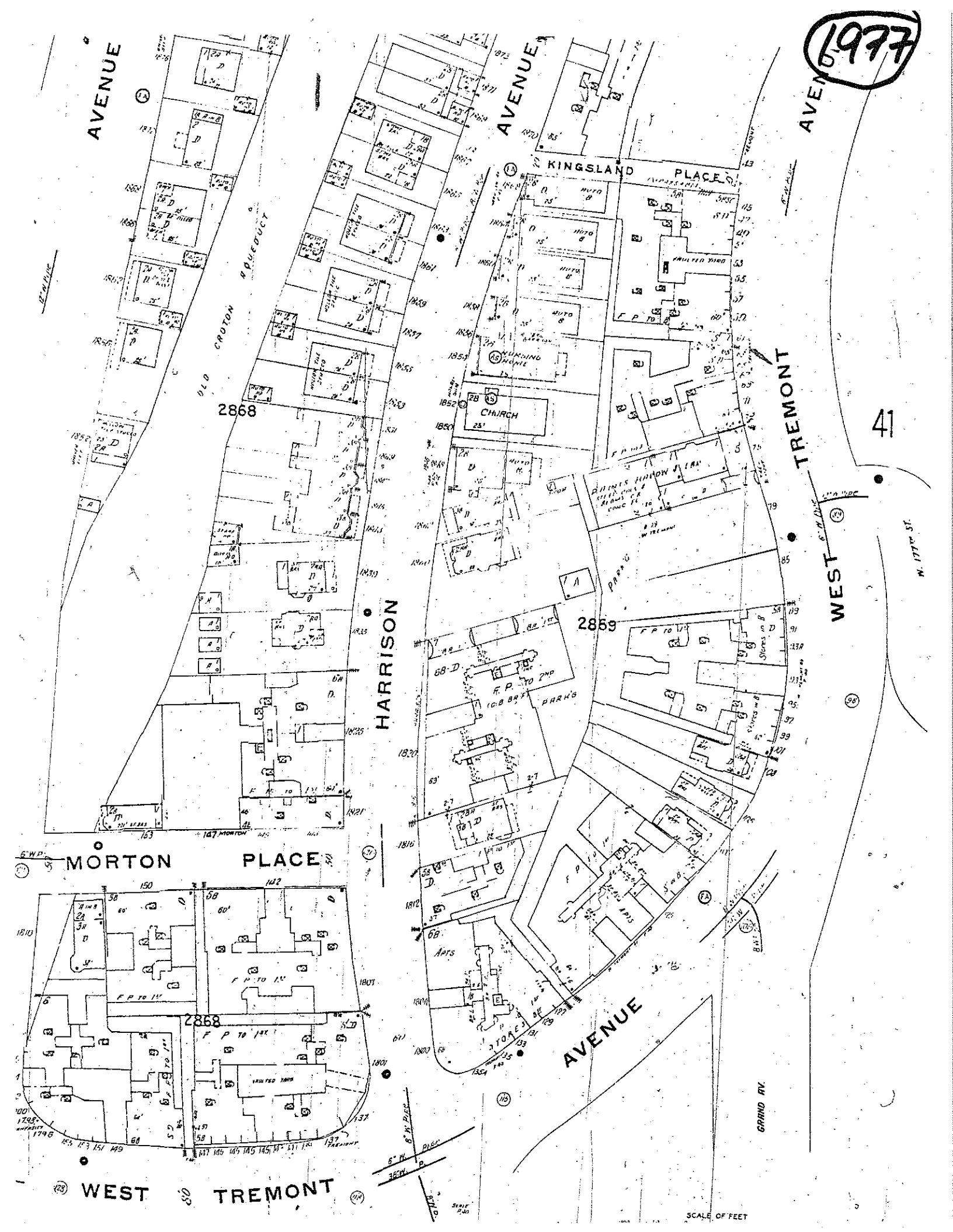
NY --.080

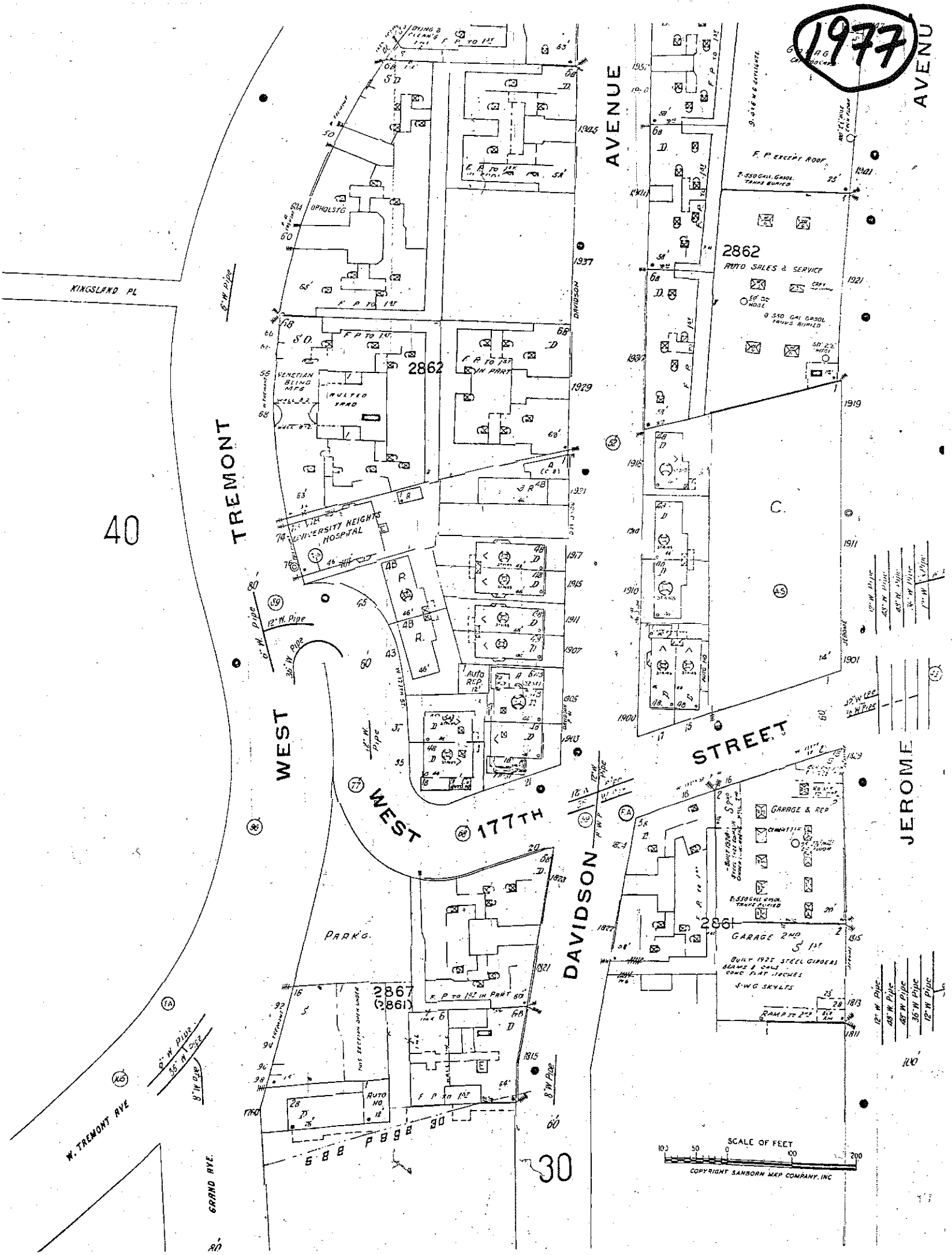
40

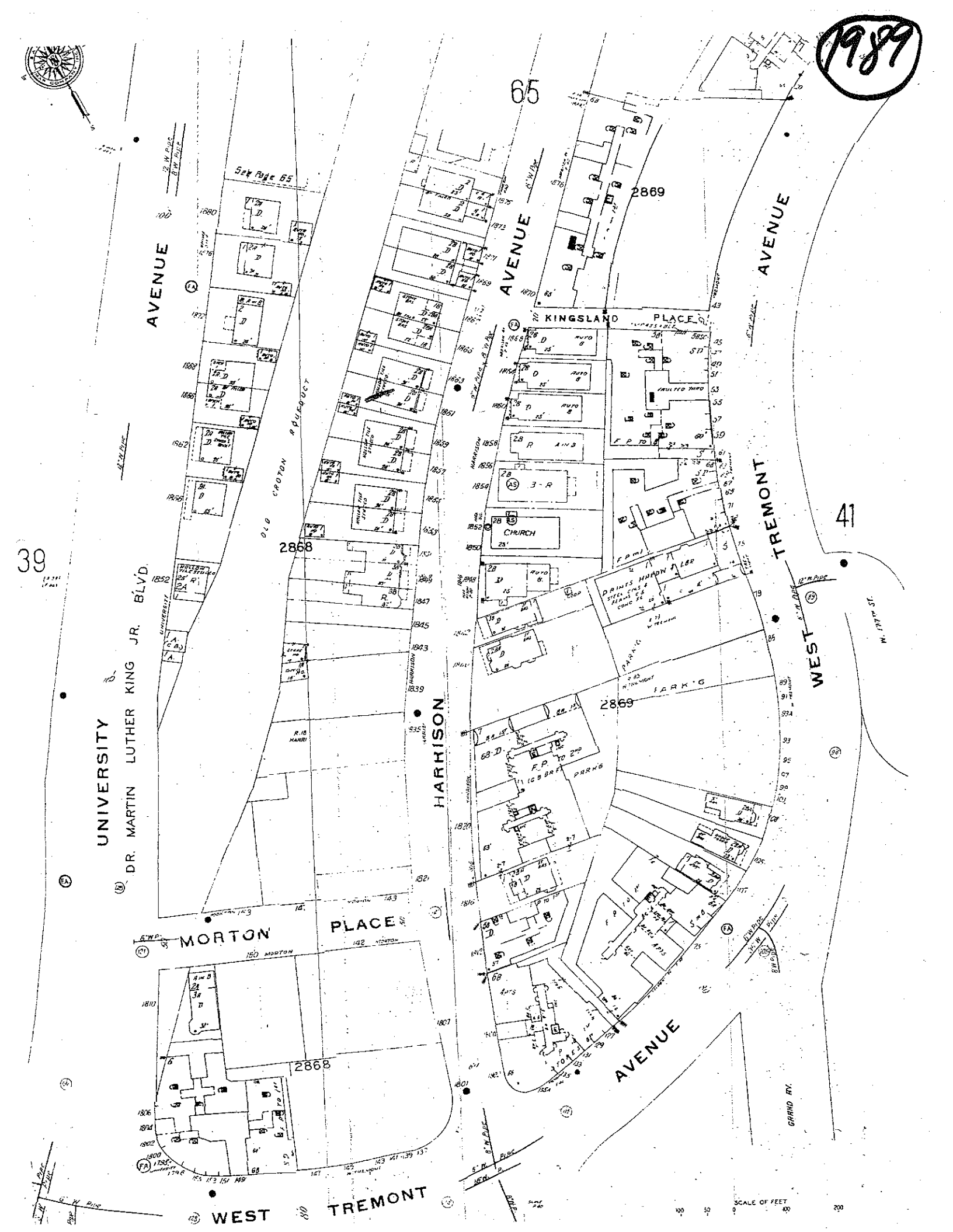
(10 Vol. 10)

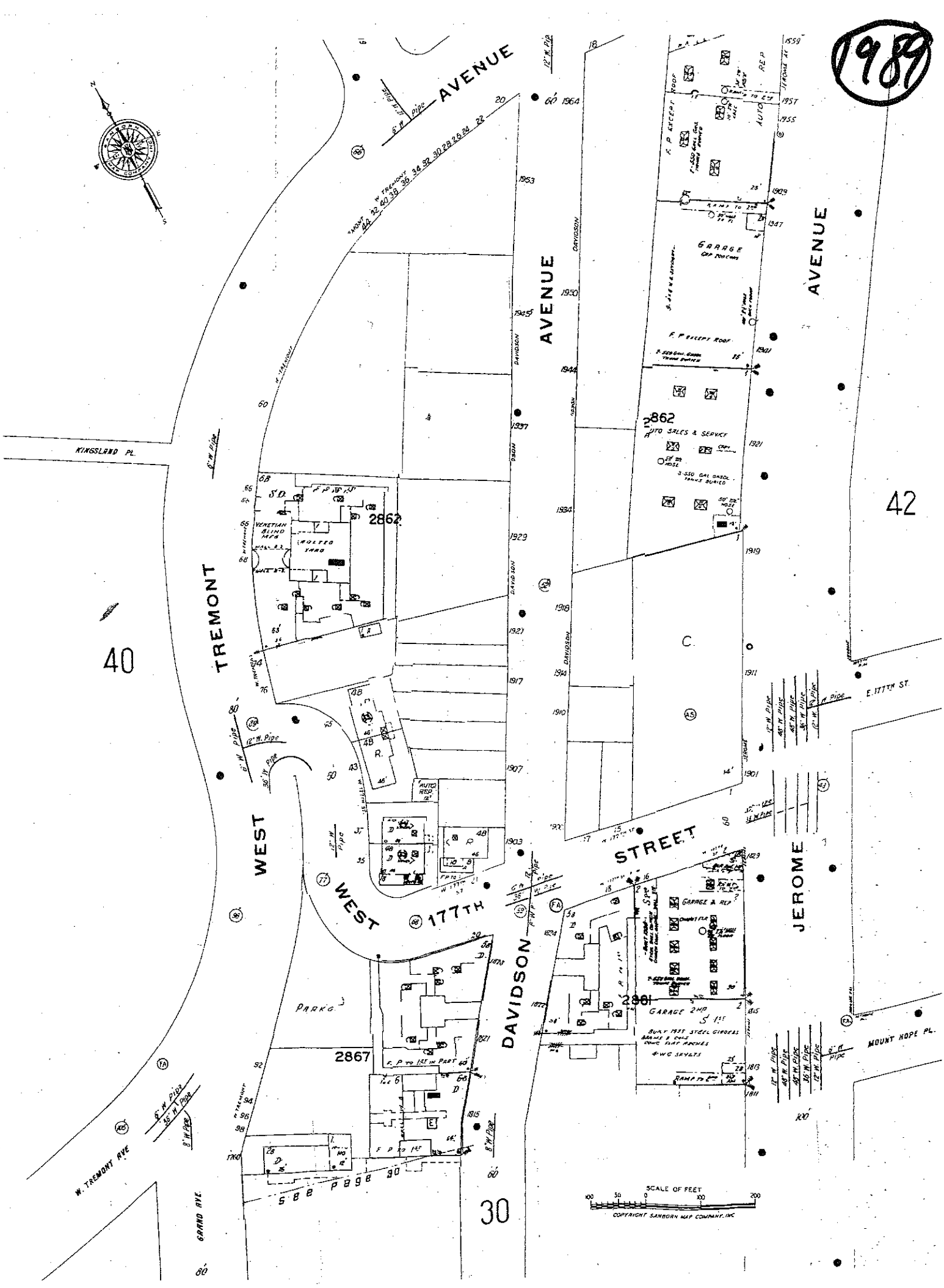



1951
N.Y. CITY, VOL. 15.
41
(10 VOL. 13)
65
66
40
42
30
AVENUE
TREMONT
WEST
177TH
STREET
DAVIDSON
JEROME
KINGSLAND PL.
E. 177TH ST.
MOUNT HOPE PL.
GRAND AVE.
N. TREMONT AVE.
2862
2861
2361
GARAGE
AUTO SALES & SERVICE
UNIVERSITY HEIGHTS HOSPITAL
SCALE OF FEET


1927
41
AVENUE
AVENUE
AVENUE
KINGSLAND PLACE
OLD CROTON AQUEDUCT
2868
CHURCH
NURSING HOME
HARRISON
2869
WEST TREMONT
PARK
MORTON PLACE
2868
AVENUE
GRAND AV.
W. 177TH ST.
WEST TREMONT
SCALE OF FEET


1977
KINGSLAND PL
TREMONT AVENUE
WEST 177TH STREET
DAVIDSON AVENUE
JEROME AVENUE
W. TREMONT AVE
GRAND AVE.
40
30
2862
2862
AUTO SALES & SERVICE
2867
(2861)
2861
GARAGE 2ND & 1ST
GARAGE & REP
PARK'G.
UNIVERSITY HEIGHTS HOSPITAL
VENETIAN BLIND MFG
AUTO REP.
F. P. EXCEPT ROOF
F. P. TO 1ST
F. P. TO 1ST IN PART
SCALE OF FEET
100 50 0 100 200
COPYRIGHT SANBORN MAP COMPANY, INC.


1989
65
See Page 65
AVENUE
UNIVERSITY
DR. MARTIN LUTHER KING JR. BLVD.
OLD CROTON AQUEDUCT
HARRISON
AVENUE
WEST TREMONT
AVENUE
KINGSLAND PLACE
MORTON PLACE
WEST TREMONT
AVENUE
2868
2869
2868
2869
CHURCH
PAINTS HARDW LAB
PARK'G
39
41
SCALE OF FEET


1989
AVENUE
TREMONT
WEST
177TH
STREET
DAVIDSON
AVENUE
JEROME
AVENUE
KINGSLAND PL.
W. TREMONT AVE.
GRAND AVE.
MOUNT HOPE PL.
E. 177TH ST.
2862
AUTO SALES & SERVICE
2867
2861
GARAGE 2 HP
PARKG.
VENETIAN BLIND MFR.
GARAGE & REP.
SCALE OF FEET
COPYRIGHT SANBORN MAP COMPANY, INC.
40
42
30
See page 30

Impact Environmental
Environmental Site Assessment

Appendix H
Qualifications of the Environmental Professional

KEVIN KLEAKA — ENVIRONMENTAL PROFESSIONAL

EDUCATION

December 1995

- State University of New York at Plattsburgh- Bachelor of Science in Environmental Sciences
- Environmental Chemistry Minor
- Applied Environmental Science Program

PROFESSIONAL EXPERIENCE

June 1997-Present

Vice President, *Impact Environmental Consulting, Inc., Bohemia, New York*

- Manage technical environmental investigation and remediation projects for private real estate owners/purchasers, lending institutions and government agencies.
- General Manager of Assessment and Remediation Departments with annual revenues of over 4 million for Phase I and II Environmental Site Assessments, NYSDEC Spill Investigation and Remediations, SCDHS & NCDH Underground Injection Control Programs, NYSDEC Voluntary Cleanup Programs, NYSDEC Inactive Hazardous Waste Disposal Site Investigation and Remediation, Brownfield Environmental Restoration, RCRA Closure, and NYCDEP E-Designation Sites.
- Supervise staff of geologists, hydrogeologists, engineers, environmental scientists, and computer analysts to develop and implement sampling and analysis plans, quality assurance programs, remedial action plans.
- NYSDEC approved Project Manager for New York State Inactive Hazardous Waste Sites.
- Provided professional witness testimony/deposition statements and support in litigation cases involving soil, air and/or groundwater pollution.

December 1995-June 1997

Chemist, *Wyeth Ayerst Laboratories, Rouses Point, New York*

- Worked in chromatographic separations division performing quality assurance analysis.
- Performed laboratory procedures and analyses in accordance with USFDA analytical test methods by liquid, gas, and thin layer chromatography.

CERTIFICATIONS & TRAINING

- New York Precision Equipment Global Survey Positioning Training, July 2006
- National Brownfield Organization Course, EPA's All Appropriate Inquiry Rule, February 2006
- New York State Department of Health, Vapor Intrusion Training, August 2005
- MTBE & TBA Comprehensive Site Assessment and Successful Groundwater Remediation, May 2004
- Environmental Data Resources, Due Diligence Workshop, March 2003
- Advanced Technologies for Accelerated Natural Attenuation, February 2003
- Conference on Pharmaceutical Contaminants in Water Resources-Minneapolis, October, 2001
- Geophysical Survey Systems, Theory and Practice of Applying Subsurface Interface Radar in Engineering and Geophysical Investigation, October 1997.
- 40-Hour Occupational Safety & Health Administration

ORGANIZATIONS

- National Groundwater Association
- Environmental Assessment Association
- Long Island Geologist Association
- Queens-Bronx Builders Association

Impact Environmental
Environmental Site Assessment

Appendix I
Qualifications of the Project Manager

RICHARD KLEINERT — ENVIRONMENTAL SCIENTIST

EDUCATION

December 1995

- State University of New York at New Paltz - Bachelor of Arts in Anthropology

PROFESSIONAL EXPERIENCE

October 2007- Present

Environmental Scientist, *Impact Environmental Consulting, Inc., Bohemia, New York*

- Submission of Freedom of information Requests to various agencies.
- Conduct government record searches and file reviews in association with the performance of Phase I Site Assessments
- Utilize various publicly and privately compiled computer databases to satisfy the requirements of ASTM E-1527-05.
- Technical Operator of Geoprobe sampling system for the acquisition of subsurface soil and groundwater.

January 2004- October2007

Real Estate Title Examiner, *R&J Abstracts Inc., Mineola, New York*

- Independently research and develop reports for Lending Institutions and Real Estate Insurance companies.
- Research county clerk records to verify judgments, mortgages delinquencies, foreclosures and federal tax/ mechanical liens.
- Perform title examinations for default properties. Verify that the contents of search packet (from in-house searches or from abstractors) were accurate and complete. Identify vesting, legal description and pertinent encumbrances to the property. Included in the final examination product are mortgages, judgments, liens, bankruptcies and any other pertinent senior or junior items and/or exceptions to the title.
- Plot difficult legal descriptions and compare with pertinent assessor maps, records of survey, parcel maps, tract maps, etc. Ensure that all reports accurately describe the properties requested by clients.
- Perform quick and accurate title searches (by both chain of title and grantor-grantee methods), including searches on owners with multiple properties, recent subdivision splits, or boundary line adjustments.

March 1998- November 2003, *Archaeologist, Independent Contractor for various companies*

- Interpreted and implemented various government regulations and requirements.
- Collected and recorded field data for future analysis.
- Monitored heavy construction equipment for the presence of archaeological materials.
- Communicated diplomatically with land owners, reporters and community members
- Performed survey and excavation of archaeological sites to determine eligibility for the National Historic Registry of Historical Places.
- Conducted archival research to determine the historical uses of subject properties.
- Analyzed recovered artifacts to establish use and historical importance.
- Generated field maps of surveys and excavations for use in report preparation.

RELEVANT COURSEWORK

- Geology, Environmental Geology, Biology, Ecology and Chemistry.

WENQING FANG — ENVIRONMENTAL ENGINEER

EDUCATION

May 2006

- State University of New York at Stonybrook, New York – Master of Science in Environmental and Waste Management

May 2001

- Wuhan University, Wuhan, China – Bachelors of Engineering in Environmental Engineering

PROFESSIONAL EXPERIENCE

April 2004 - Present
Environmental Engineer, Impact Environmental Consulting, Inc., Bohemia, New York

- Phase I ESA; Phase II ESA
- NYSDEC Spill Investigation
- Exposure Assessments for NYSDEC Spill Closure
- Groundwater and vapor intrusion modeling
- Remedial design for petroleum / TCE contaminated site
- AutoCAD drawing
- ACCESS + VB database programming and report automation
- GPR/ Geoprobe operation oversight
- Contaminated site redevelopment
- Pumping test, dewatering system design

2002 - 2003
Graduate Assistant, Environmental Health and Safety at SUNYSB, Stonybrook, New York

- MSDS database construction and update
- Indoor air quality monitoring
- OSHA training

2001 - 2002
Environmental Engineer, Environmental Protection Agency, Shashi, China

- Regional Environmental Impact Assessments (EIS)
- Environmental modeling and programming
- Regional Environmental Planning Program

JAMES CRESSY — ENVIRONMENTAL SCIENTIST

EDUCATION

2007-Present

- State University of New York at Stony Brook, New York – Master of Science in Energy and Environmental Systems.

2001

- State University of New York at Stony Brook, New York – Bachelor of Art
- State University of New York at Stony Brook, New York – Deans List

1999

- State University of New York at Brentwood, New York – Associates of Arts
- State University of New York at Brentwood, New York – Vice President Science Club

PROFESSIONAL EXPERIENCE

2005 - Present

Assessment Supervisor, Impact Environmental Consulting, Inc., Bohemia, New York

- Submission of Freedom of Information Requests to various agencies
- Conducts government record searches and file reviews in association with the performance of Phase I Environmental Site Assessments
- Utilizes various publicly and privately compiled computer databases to satisfy the requirements of ASTM E-1527
- Conducts site reconnaissance work
- Performed over 350 Phase I Environmental Site Assessments
- Technical Operator for Geoprobe sampling system for the acquisition of subsurface soil and groundwater
- Designs Phase II Environmental Site Assessment sampling plans and performs Phase II Environmental Site Assessments
- Performed over 50 Phase II Environmental Site Assessments

1999 - 2004

Communications Technician, Atlantic Express, Staten Island, New York

- Installed, maintained and upgraded communications system for over 10,000 vehicles
- Installed and maintained computed network systems

COURSEWORK & TRAINING

- OSHA 40-hour training
- Hydrogeology, Ecology, Ichthyology, Herpetology, Evolution, Biology, Chemistry, Biochemistry, Calculus, Earth Science.
- Department of Environmental Conservation/Department of Health Services vapor intrusion seminar

Impact Environmental
Remedial Investigation Report
BCP # 12CBCPO16X

Appendix B:
Phase I ESA Report Update, dated January 27, 2010

Long Island | 170 Keyland Court | Bohemia, NY 11716 | Tel: 631.269.8800 Fax: 631.269.1599

Manhattan | 1560 Broadway, Suite1024 | New York, NY 10036 | Tel: 212.201.7905 Fax: 212.202.4079

www.impactenvironmental.com

January 27, 2010

Mr. Thomas Brown
Promesa Systems Inc.
300 East 175th Street
Bronx, New York 10457

Re: 60 West 177th Street/62 West Tremont Avenue,
Bronx, New York

Dear Mr. Brown:

The purpose of this letter is to update the original Phase I Environmental Site Assessment (ESA) conducted at the above referenced Site, dated June 3, 2008 by Impact Environmental. In addition, an updated environmental database search was conducted and has been summarized below. The original environmental database search was included in the Phase I Environmental Site Assessment (ESA), dated June 3, 2008, conducted by Impact Environmental on the above-referenced property. Said Phase I ESA identified several recognized environmental conditions associated with the Site. Below, please find the updated results with regards to the environmental database search. The full search is attached to this document.

This report was prepared for Promesa Systems Inc. Impact Environmental hereby confirms that Promesa Systems Inc. its successors and/or assigns may rely upon said report up to the date of issuance with respect to the environmental quality of the Site.

Regulatory information from the following database sources regarding possible recognized environmental conditions, within the ASTM minimum search distance from the Site was reviewed. Specific facilities are discussed below if determined likely that a potential recognized environmental condition has resulted at the Site Property from the listed facilities.

Federal Environmental Record Review

National Priorities List (NPL)

The National Priorities List (NPL) is the Environmental Protection Agency (EPA) database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program.

1. The Site is not listed as a NPL facility.
2. No NPL sites are located within one-mile of the Site.

CERCLIS List

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list is a compilation of sites that the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances.

1. The Site is not listed as a CERCLIS facility.
2. No CERCLIS sites are listed within ½-mile of the Site.

Federal CERCLIS NFRAP Sites List

The CERCLIS No Further Remedial Action Planned (NFRAP) List is a compilation of sites that the EPA has investigated, and has determined that the facility does not pose a threat to human health or the environment, under the CERCLA framework.

1. The Site is not listed as a CERCLIS-NFRAP facility.
2. No CERCLIS-NFRAP sites are listed within ½-mile of the Site.

Federal Resource Conservation & Recovery Act (RCRA) CORRACTS Facilities List

The EPA Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The CORRACTS database is the EPA's list of treatment storage or disposal facilities subject to corrective action under RCRA.

1. The Site is not listed as a RCRA CORRACTS TSD facility.
2. No RCRA CORRACTS TSD facilities are listed within one-mile of the Site.

Federal Resource Conservation & Recovery Act (RCRA) TSD Facilities List

The EPA Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA TSD database is a compilation by the EPA of reporting facilities that treat, store or dispose of hazardous waste.

1. The Site is not listed as a RCRA TSD facility.
2. No RCRA TSD sites are listed within ½-mile of the Site.

Federal Resource Conservation & Recovery Act (RCRA) Generator List

The RCRA program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Generators database is a compilation by the EPA of reporting facilities that generate hazardous waste.

1. The Site is not listed as a RCRA facility.
2. No RCRA Generator facilities are listed on the adjacent properties.

Federal Emergency Response Notification System (ERNS)

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported release of oil or hazardous substances.

1. No ERNS sites are listed on the Site or on the adjacent properties.

State Environmental Record Review

Inactive Hazardous Waste Disposal Sites

New York's Inactive Hazardous Waste Disposal Site Registry is also known as the State Superfund. According to State authorities, these active or abandoned sites can pose serious environmental or health hazards that require investigation or clean up. Sites include toxic dumps, garbage landfills, factories, dry cleaners or illegal disposal sites that have caused extensive air, water, groundwater or soil contamination.

Classification System:

- Class 1 - Causing or presenting an imminent danger of causing irreversible or irreparable damage to public health or the environment - immediate action required.
- Class 2 - Significant threat to the public health or environment - action required.
- Class 2a – This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law.
- Class 3 - Does not present a significant threat to the environment - action may be deferred.
- Class 4 - Site properly closed - requires continual management.
- Class 5 - Site properly closed, no evidence of present or potential adverse impact - no further action required.
- Class D1, D2, D3 – Delisted Site (D1-Hazardous waste not found; D2-Remediated; D3-Consolidated site or site incorrectly listed)

1. The Site is not listed as an inactive hazardous waste disposal site.
2. There are no sites within a one-mile radius of the Site that appear in the NYSDEC publication, Inactive Hazardous Waste Disposal Sites in New York State.

Hazardous Substance Waste Disposal Sites

These properties often pose serious environmental or health hazards, but they may have been low priorities for investigation or clean up because on-site contamination may not constitute "hazardous waste." Sites include utility coal tar facilities, wood tar sites and properties polluted with petroleum that have caused extensive air, water, groundwater or soil contamination.

1. The Site is not listed as a hazardous waste disposal site.
2. There is one no site within a ½-mile radius of the Site that appears in the NYSDEC publication, Hazardous Substance Waste Disposal Site Study.

A)

1296 Sheridan Avenue
Located: 5126 feet to the east south of the Site
Facility ID: 203004

Brownfield Sites

These properties are a listing of site that are abandoned, idled, or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination. The Voluntary Cleanup Program involves hazardous waste sites that have had their listing in the (above referenced publication) deferred while being investigated and remediated voluntarily under NYSDEC supervision. Coal tar sites may have previously been listed in the publications, but they were removed as a result of a Departmental legal review that revealed that most coal gasification wastes do not meet the New York State definition of hazardous waste. These sites are currently being investigated and remediated in conjunction with the regional utility companies, and it is possible that some of these sites may qualify as hazardous waste sites as information becomes available. In addition, the NYSDEC lists sites that fall under the 1996 Clean Water / Clean Air Bond Act Environmental Restoration Program (Brownfields Program). The Brownfields Program involves sites that are currently vacant or only partially utilized, have an industrial or commercial history, and are suspected or confirmed to have soil and / or groundwater contamination

1. The Site is not listed as Environmental Restoration Program (Brownfields Program) site.
2. There are no sites within a ½-mile radius of the Site that appear in the NYSDEC Brownfields Cleanup Program.
3. There are no sites within a ½-mile radius of the Site that appear in the NYSDEC Voluntary Cleanup Program listing.

Historic Utility Facilities

These are power generating structures, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

1. The Site is not listed as an Historic Utility Site.
2. There are no sites within a one-mile radius of the Site that appear in the NYSDEC Historic Utility Site listing.

Solid Waste Management Facilities

The NYSDEC maintains a listing of all registered and permitted landfills, transfer stations, and solid waste disposal sites within New York State. A review of this listing has revealed the following information relevant to the environmental quality of the Site:

1. The Site is not listed as a Solid Waste Management Facility.
2. There are nine sites within a ½-mile radius of the Site that appear on the listing. Details of said reports can be reviewed within the attached report.

State Pollutant Discharge Elimination System Permits (SPDES)

In 1973, New York passed the State Pollutant Discharge Elimination System (SPDES) Act, which provides for state permits for point source discharges to surface and ground waters. The USEPA delegated authority to NYSDEC to regulate the issuance of all National Pollution Discharge Elimination Systems (NYPES) permits as stipulated under sections 307, 318, 402, and 405 of the Clean Water Act, under the state SPDES program. A review of SPDES permit listings in New York City revealed the following information relevant to the environmental quality of the Site:

1. No SPDES permits are listed for the Site.
2. No SPDES permits are listed for the contiguous with the Site.

Major Oil Storage Facilities (MOSF)

Major Oil Storage Facilities have at least 400,000 gallons of storage capacity (as per Article 12 of the Navigation Law, 6 NYCRR Part 610, and 17 NYCRR Part 30) and often experience leaks, spills or other uncontrolled releases that can cause extensive air, water, groundwater or soil contamination that threatens the environment or the public health. Please note that New York has withheld public release of this database since January 2002.

1. The Site did not appear on the MOSF listing.
2. There are no sites within a ½-mile radius of the Site that appear on the MOSF listing.

Chemical Bulk Storage (CBS) Sites

Sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size. It should be noted that New York has withheld public release of this database since January 2002.

1. The Site did not appear on the CBS listing.
2. There are no sites within ¼-mile of the Site that appear on the CBS listing.

Petroleum Bulk Storage (PBS) Sites

These are sites with more than a 1,100 gallon capacity for storing petroleum products. It should be noted that New York has withheld public release of this database since January 2002.

1. The Site did not appear on the PBS listing.
2. Thirty-one sites are listed on the PBS database within ¼-mile of the Site. No listings were noted as being contiguous to the Site.

Spill Logs

The New York State Department of Environmental Conservation routinely responds to petroleum product spill/discharge incidents so as to perform and/or supervise in their remediation. The agency currently maintains a log (Spill Log) of all reported incidents that have occurred within specific regions of the State of New York. Typical events that would be listed on the log include motor vehicle accidents involving the release of petroleum products; discharges of petroleum products from underground storage tanks; discharges of PCB contaminated oils from electrical transformers; and events involving the abandonment of petroleum products. A review of the NYSDEC Spill Log revealed the following information relevant to the environmental quality of the Site.

1. There are no spill incidents listed in the NYSDEC Spill Log as having occurred on the Site.
2. There are a significant number of spill incidents listed in the NYSDEC Spill Log as having occurred within ½-mile of the Site. Accordingly, the *approximate minimum search distance* (as defined by ASTM) was reduced to ¼-mile in order to make the data *practically reviewable*. Fifty-two spill incidents are listed in the NYSDEC Spill Log as having occurred within ¼-mile of the Site *[see Appendix C].* Review of these incidents has revealed that thirty-four are listed as having occurred between ¼ to ⅛-mile, and eighteen are listed as having occurred within ⅛-mile.

   None of the spill incidents reviewed are considered to have the potential to have significantly impacted the environmental quality of the Site. This determination was made based on such factors as the local groundwater flow direction, the spill incident statuses, the quantities of materials spilled, the distances between the spill sources and the Site, and the resources affected.

A review of the environmental database search failed to reveal any additional information beyond the original search conducted as part of the September 16, 2005 Phase I ESA. Accordingly, no additional *recognized environmental conditions* have been ascertained under the scope of this update.

If you have any questions or comments regarding this matter, please feel free to contact me.

Sincerely,
IMPACT ENVIRONMENTAL

James Cressy
Assessment Supervisor

Enclosure

TOXICS TARGETING

Phase I
Environmental Database Report

60 W 177th Street & 92 West Tremont Ave
Bronx, NY 10453

January 25, 2010

Privileged and Confidential.

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PLEASE REFER TO PAGES ONE AND FIVE FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS ENVIRONMENTAL REPORT.

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Introduction

Toxics Targeting has combined environmental database searches, extensive regulatory analysis and sophisticated mapping techniques to produce your *Environmental Report.* It checks for the presence of 25 categories of government-reported toxic sites and provides detailed, up-to-date information on each identified site. The findings of your report are presented in an easy-to-understand format that:

1. ***Maps*** the approximate locations of selected government-reported toxic sites identified on or near a specified target address.

2. ***Estimates*** the distance and direction between the target address and each identified toxic site.

3. ***Reports*** air and water permit non-compliance and other regulatory violations.

4. ***Profiles*** some aspects of the usage, manufacture, storage, handling, transport or disposal of toxic chemicals at individual sites.

5. ***Summarizes*** some potential health effect information and drinking water standards for selected chemicals reported at individual sites.

The Three Sections Of Your Report

The first section highlights your report's findings by summarizing identified sites according to: **a)** distance intervals, **b)** direction, **c)** proximity to the target address and **d)** individual site categories. In addition, the locations of all identified toxic sites are illustrated on individual maps for each radius search distance used in your report. A close-up map illustrates the locations of all identified toxic sites, at the shortest radius search distance used in your report. Finally, a map of tax parcels and a table of selected information about those parcels are included.

The second section of your report contains *Toxic Site Profiles* that provide detailed information on each identified toxic site. The information in each *Toxic Site Profile* varies according to its source. Some toxic site categories have extensive information and some have limited information. All the information is updated on a regular basis.

The third section of the report contains appendices that identify: **1)** on-site spills reported to the national Emergency Response Notification System (ERNS), **2)** NY Dept. of Health Radon Data by zipcode, **3)** various toxic sites that cannot be mapped due to incomplete or erroneous addresses or other mapping problems, **4)** codes that characterize hazardous wastes reported at various facilities, **5)** methods used to map toxic sites identified in your report and **6)** information sources used in your report.

How to Use Your Report

- Check Table One to see the number of identified sites by distance intervals.

- Check Table Two to see identified sites sorted by direction.

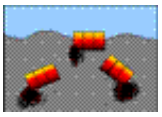
- Check Table Three to see identified sites ranked by proximity to the target address.

- Check Table Four to see identified sites sorted by site categories.

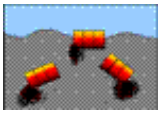
- Use Table Five to get info for the subject parcel and every parcel found on the Tax Parcel Map
- Refer to the various maps to see the locations of identified toxic sites. Refer to the *Toxic Site Profile* and *Appendix* sections for additional information.

Toxic Site Databases Analyzed In Your Report

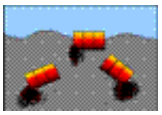
Search Radius

One-Mile 

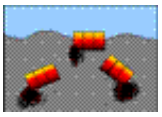
1) ***National Priority List for Federal Superfund Cleanup****:* a listing of sites known to pose environmental or health hazards that are being investigated or cleaned up under the Federal Superfund program.

Half-Mile 

2) ***Delisted National Priority List Sites****:* a listing of NPL sites that have been removed from the National Priority List.

One-Mile 

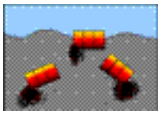
3) ***New York Inactive Hazardous Waste Disposal Site Registry****:* a state listing of sites that can pose environmental or public health hazards requiring investigation or clean up.

One-Mile 

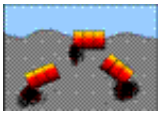
4) ***New York Inactive Hazardous Waste Disposal Site Registry Qualifying****:* a state listing of sites that qualify for possible inclusion to the NYDEC Inactive Haz. Waste Disposal Site Registry.

One-Mile

5) ***RCRA Corrective Action Activity (CORRACTS):*** waste facilities with RCRA corrective action activity reported by the USEPA.

Half-Mile 

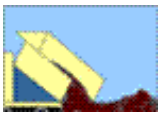
6) ***CERCLIS*** (Comprehensive Environmental Response, Compensation and Liability Information System): a federal listing of Non-NFRAP sites that can pose environmental or public health hazards requiring investigation or clean up.

Half-Mile 

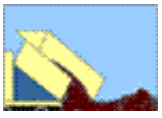
7) ***CERCLIS NFRAP:*** a federal listing of CERCLIS sites that have no further remedial action planned.

Half-Mile

8) ***New York State Brownfield Cleanup Sites****:* a listing of sites that are abandoned, idled or under-used industrial and commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.

Half-Mile 

9) ***New York Solid Waste Facilities Registry****:* active and inactive landfills, incinerators, transfer stations or other solid waste management facilities.

Half-Mile 

10) ***New York City 1934 Solid Waste Sites****:* a listing of solid waste disposal sites operated by New York City municipal authorities circa 1934.

Half-Mile

11) ***New York and Federal Hazardous Waste Treatment, Storage or Disposal Facilities****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRIS). Also includes the following database:

- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Half-Mile

12) ***Toxic Spills: active and inactive or closed*** spills reported to state environmental authorities, including *remediated* and *unremediated* leaking underground storage tanks. This database includes the following categories:

- Tank Failures
- Tank Test Failures
- Unknown Spill Cause or Other Spill Causes
- Miscellaneous Spill Causes

Eighth-Mile

13) ***New York State Major Oil Storage Facilities****:* sites with more than a 400,000 gallon capacity for storing petroleum products.

Eighth-Mile

14) ***New York State Petroleum Bulk Storage Facilities****:* sites with more than an 1,100 gallon capacity for storing petroleum products.

Eighth-Mile

15) ***New York City Fire Dept Tank Data****:* tank data from 1997.

Eighth-Mile

16) ***New York and Federal Hazardous Waste Generators and Transporters****:* sites reported by the NYS manifest system and the USEPA's Resource Conservation and Recovery Act Information System (RCRA). Also includes the following database:

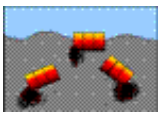
- ***RCRA violations:*** waste facilities with violations reported by the USEPA pursuant to the Resource Conservation and Recovery Act.

Eighth-Mile

17) ***New York Chemical Bulk Storage Facilities****:* sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

Eighth-Mile

18) ***Historic New York City Utility Sites (1890's to 1940's)****:* power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites.

Half-Mile 

19) ***New York Hazardous Substance Disposal Site Draft Study****:* a state listing of sites contaminated with toxic substances that can pose environmental or public health hazards. These sites were not eligible for state clean up funding programs.

Eighth-Mile

20) ***Federal Toxic Release Inventory Facilities****:* discharges of selected toxic chemicals to air, land, water or treatment facilities.

Eighth-Mile

21) ***Federal Air Discharges****:* air pollution point sources monitored by U.S. EPA and/or state and local air regulatory agencies.

Eighth-Mile

22) ***Federal Permit Compliance System Toxic Wastewater Discharges:*** permitted toxic wastewater discharges.

Eighth-Mile

23) ***Federal Civil and Administrative Enforcement Docket****:* judiciary cases filed on behalf of the U. S. Environmental Protection Agency by the Department of Justice.

On-site only (250 ft)

24) ***New York City Environmental Quality Review (CEQR) – E Designation Sites****:* parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed.

Property only

25) ***ERNS: Federal Emergency Response Notification System Spills****:* a listing of federally reported spills.

Limitations Of The Information In Your Report

The information presented in your *Environmental Report* has been obtained from various local, state and federal government agencies. Please be aware that: **1)** additional information on individual sites may be available, **2)** newly discovered sites are continually reported and **3)** all map locations are approximate. As a result, this report is intended to be the FIRST STEP in the process of identifying and evaluating possible environmental threats to specific properties and can only serve as a guide for conducting on-site visits or additional, more detailed toxic hazard research.

Toxics Targeting tries to ensure that the information in your report is presented accurately and with minimal alteration. Systematic changes are made to correct obvious address errors in order to allow sites to be mapped. Any address changes that are made are noted in the map information section at the top of each corresponding *Toxic Site Profile*. Some information that has been withheld by government authorities remains included in Toxic Site Profiles and is identified as archival information. Since the information presented in your report is not edited, please be aware that it can contain reporting errors or typographical mistakes made by the site owners/operators or government agencies that produced the information. Also please be aware of some other limitations of the information in your report:

- The digital map used by *Toxics Targeting* is the same one used by the U. S. Census or local authorities in New York City. While the map is generally accurate, no map is perfect. In addition, *Toxics Targeting's* mapping methods estimate where toxic site addresses are located if the address is not specifically designated. FOR THESE REASONS, ALL MAP LOCATIONS OF ADDRESSES AND REPORTED TOXIC SITES SHOULD BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY ON-SITE VISITS;

- UNDISCOVERED, UNREPORTED OR UNMAPPABLE TOXIC SITES MIGHT NOT BE IDENTIFIED BY THIS REPORT'S CHECK OF 25 TOXIC SITE CATEGORIES. TOXIC SITES REPORTED IN OTHER GOVERNMENT DATABASES MIGHT ALSO EXIST. FOR THESE REASONS, YOUR REPORT MIGHT NOT IDENTIFY ALL THE TOXIC SITES THAT EXIST IN THE AREA IT SEARCHES;

- The appendix of your report contains a listing of sites that could not be mapped due to incomplete or erroneous address information or other mapping problems. This listing includes unmappable toxic sites in the zip codes searched for the report as well as toxic sites without zip codes reported in the same county. IF YOU WOULD LIKE INFORMATION ON ANY OF THE LISTED SITES, PLEASE CONTACT *TOXICS TARGETING AND REFER TO THE SITE ID NUMBER.*

- New York State Department of Environmental Conservation Remediation Site Borders are approximate and may not align with tax parcel boundaries mapped by local authorities or the digital map used by the US Census Bureau. As a result, Remediation Site Borders may overlap parcels that do not involve site remediation activities. Selected parcels also can involve multiple Remediation Site Borders. Refer to individual site profiles for more information. Sites without profiles include potential new sites or sites that have not yet been publicly listed by DEC.

- Some toxic sites identified in your report may be classified as **known hazards**. Most of the toxic sites identified in your report involve **potential hazards** related to the on-site use, manufacture, handling, storage, transport or disposal of toxic chemicals. Some of the toxic sites identified in your report may be the addresses of parties responsible for toxic sites located elsewhere. YOU SHOULD ONLY CONCLUDE THAT TOXIC HAZARDS ACTUALLY EXIST AT A SPECIFIC SITE WHEN GOVERNMENT AUTHORITIES MAKE THAT DETERMINATION OR WHEN THAT CONCLUSION IS FULLY DOCUMENTED BY THE FINDINGS OF AN APPROPRIATE SITE INVESTIGATION UNDERTAKEN BY LICENSED PROFESSIONALS;

- Compass directions and distances are approximate. Compass directions are calculated from the subject property address to the mapped location of each identified toxic site. The compass direction does not necessarily refer to the closest property boundary of an identified toxic site. The compass direction also can vary substantially for toxic sites that are located very close to the subject property address.

- The information presented in your report is a summary of the information that *Toxics Targeting* obtains from government agencies on reported toxic sites. YOU MAY BE ABLE TO OBTAIN ADDITIONAL INFORMATION ABOUT REPORTED SITES WITH THE FREEDOM OF INFORMATION REQUEST FORM LETTERS THAT ARE PROVIDED ON THE INSIDE OF THE BACK COVER.

Section One:

Report Summary

- *Table One: Number of Identified Toxic Sites By Distance Interval*
- *Table Two: Identified Toxic Sites By Direction*
- *Table Three: Identified Toxic Sites By Category*
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- *Map One: One-Mile Radius Map*
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- *Table Five: Tax Parcel Map Information Table*

NUMBER OF IDENTIFIED SITES BY DISTANCE INTERVAL

Database Searched	0 - 100 ft	100 ft - 1/8 mi	1/8 mi - 1/4 mi	1/4 mi - 1/2 mi	1/2 mi - 1 mi	Site Category Totals
ASTM-Required 1 Mile Search						
National Priority List (NPL) Sites	0	0	0	0	0	0
NYS Inactive Hazardous Waste Disposal Site Registry	0	0	0	0	1	1
NYS Inactive Haz Waste Disposal Site Registry Qualifying	0	0	0	0	1	1
RCRA Corrective Action (CORRACTS) Sites	0	0	0	0	0	0
ASTM-Required 1/2 Mile Search						
Delisted National Priority List (NPL) Sites	0	0	0	0	Not searched	0
CERCLIS Superfund Non-NFRAP Sites	0	0	0	0	Not searched	0
CERCLIS Superfund NFRAP Sites	0	0	0	0	Not searched	0
Brownfields Sites						
Voluntary Cleanup Program	0	0	0	0	Not searched	0
Environmental Restoration Program	0	0	0	0	Not searched	0
Brownfield Cleanup Program	0	0	0	0	Not searched	0
NYSDEC Solid Waste Facilities / Landfills	0	0	0	0	Not searched	0
RCRA Hazardous Waste Treatment, Storage, Disposal Sites	0	0	0	0	Not searched	0
NYS Toxic Spills						
Active Tank Failures	0	0	0	0	Not searched	0
Active Tank Test Failures	0	0	2	1	Not searched	3
Active Spills - Unknown / Other Causes	0	0	2	7	Not searched	9
Active Spills - Miscellaneous Causes	0	0	0	2(7)	Not searched	2(7)
Closed Tank Failures	0	0	1	8	Not searched	9
Closed Tank Test Failures	0	0	5	7	Not searched	12
Closed Spills - Unknown / Other Causes	0	3	23	71	Not searched	97
Closed Spills - Miscellaneous Causes	0	15	1(25)	13(124)	Not searched	29(149)
ASTM-Required Property & Adjacent Property (1/8 Mile Search)						
NYS Major Oil Storage Facilities	0	0	Not searched	Not searched	Not searched	0
Local & State Petroleum Bulk Storage Sites	0	31	Not searched	Not searched	Not searched	31
RCRA Hazardous Waste Generators & Transporters	0	8	Not searched	Not searched	Not searched	8
NYS Chemical Bulk Storage Sites	0	0	Not searched	Not searched	Not searched	0
Historic Utility Facilities	0	0	Not searched	Not searched	Not searched	0
ASTM-Required On-Site Only Search						
NYC Environmental Quality Review Requirements ("E") Sites*	0	0	Not searched	Not searched	Not searched	0
Emergency Response Notification System (ERNS)	0	Not searched	Not searched	Not searched	Not searched	0
Institutional Controls / Engineering Controls (IC/EC)	See databases for NPL, CERCLIS, Inactive Hazardous Waste Disposal Site Registry and Brownfield Sites.					
ASTM-Required Databases Distance Interval Totals	**0**	**57**	**34(25)**	**109(131)**	**2**	**202(156)**

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

* NYC Environmental Quality Review Requirements ("E") Sites were searched at 250 feet.

NOTE: Table continues on next page.

Non-ASTM Databases 1/2 Mile Search						
1934 NYC Municipal Waste Landfills	0	0	0	1	Not searched	1
Hazardous Substance Waste Disposal Sites	0	0	0	0	Not searched	0
Non-ASTM Databases 1/8 Mile Search						
Toxic Release Inventory Sites (TRI)	0	0	Not searched	Not searched	Not searched	0
Permit Compliance System (PCS) Toxic Wastewater Discharges	0	0	Not searched	Not searched	Not searched	0
Air Discharges	0	0	Not searched	Not searched	Not searched	0
Civil & Administrative Enforcement Docket Facilities	0	0	Not searched	Not searched	Not searched	0
Non-ASTM Databases Distance Interval Totals	**0**	**0**	**0**	**1**	**Not Searched**	**1**
Distance Interval Totals	***0***	***57***	***34(25)***	***110(131)***	***2***	***203(156)***

Numbers in ( ) indicate spills not mapped and profiled in this report, and are listed at the end of the active and closed spills sections. See these lists for a description of the parameters involved with identifying these spills.

Identified Toxic Sites by Direction

60 W 177th Street & 92 West Tremont Ave
Bronx, NY 10453

* Compass directions can vary substantially for sites located very close to the subject property address.

Sites less than 100 feet from subject property sorted by distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
No sites found less than 100 feet from subject property				

Sites between 100 ft and 660 ft from the subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
186	EVA H THOMPSON	1854 HARRISON AVE	478 feet to the N	Petroleum Bulk Storage Site
149	1868 HARRISON AVENUE	1868 HARRISON AVENUE	575 feet to the N	Closed Status Spill (Misc. Spill Cause)
143		62-66 W. TREMONT AVE	439 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
183	62-66 WEST TREMONT AVE.	62-66 WEST TREMONT AVE.	439 feet to the NNE	Petroleum Bulk Storage Site
184	62-66 W TREMONT AV.	62 W TREMONT AVE	439 feet to the NNE	Petroleum Bulk Storage Site
200	CONSOLIDATED EDISON	WEST TREMONT AVE & KINGSLAND PL	529 feet to the NNE	Hazardous Waste Generator/Transporter
193	INTERMEDIATE SCHOOL 306 - BRONX	40 WEST TREMONT AVENUE	628 feet to the NE	Petroleum Bulk Storage Site
198	BELL ATLANTIC-NY	SW 177TH & JEROME AVE MANHOLE	495 feet to the E	Hazardous Waste Generator/Transporter
40	MANHOLE #3888926	177TH ST & JEROME AVE	509 feet to the E	Closed Status Spill (Unk/Other Cause)
145	E177TH STREET & JEROME AV	E177TH STREET & JEROME AV	509 feet to the E	Closed Status Spill (Misc. Spill Cause)
199	BELL ATLANTIC-NY	SE 177TH & JEROME MANHOLE	527 feet to the E	Hazardous Waste Generator/Transporter
191	UNIT AUTO REPAIR (FAUSTO FIGUEROA)	8 EAST 177TH STREET	585 feet to the E	Petroleum Bulk Storage Site
166	1821 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	117 feet to the ESE*	Petroleum Bulk Storage Site
167	MOUNT HOPE HOUSING CO.	1821 DAVIDSON AVE	117 feet to the ESE*	Petroleum Bulk Storage Site
141	APT. BUILDING	1822 DAVIDSON AVE	269 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
170	1822 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC	269 feet to the ESE	Petroleum Bulk Storage Site
171	MT HOPE HOUSING CO	1822 DAVIDSON AVE	269 feet to the ESE	Petroleum Bulk Storage Site
142	COMMERCIAL	1829 JEROME AVE	368 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
196	BELL ATLANTIC-NY	MT HOPE/JEROME AVE	447 feet to the ESE	Hazardous Waste Generator/Transporter
146	CONED VEHICLE #607447	1876 JEROME AVE	546 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
194	MOUNT HOPE RESIDENCE LLC	14-16 MOUNT HOPE PLACE	651 feet to the SE	Petroleum Bulk Storage Site
195	A TURCO & V MILANO	14 MOUNT HOPE PL	651 feet to the SE	Petroleum Bulk Storage Site
165	1815 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	110 feet to the SSE*	Petroleum Bulk Storage Site
174	1800 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	325 feet to the SSE	Petroleum Bulk Storage Site

41	SERVICE BOX 16900	JEROME AVE/WEST 176 ST	570 feet to the SSE	Closed Status Spill (Unk/Other Cause)
147	E. 176TH ST & JEROME AVE	E. 176TH ST & JEROME AVE	570 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
148	MANHOLE #16889	EAST 176TH/JEROME AVE	570 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
201	NYCDEP	PROTECTION JEROME AVE & 176TH	570 feet to the SSE	Hazardous Waste Generator/Transporter
202	CONSOLIDATED EDISON	MH16899 176 ST & JEROME AVE	570 feet to the SSE	Hazardous Waste Generator/Transporter
203	NYCTA	JEROME AVE LINE 176TH ST STA	570 feet to the SSE	Hazardous Waste Generator/Transporter
188	1770 DAVIDSON AVENUE	1770 DAVIDSON AVENUE	528 feet to the S	Petroleum Bulk Storage Site
172	1789 DAVIDSON AVE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC	284 feet to the SSW	Petroleum Bulk Storage Site
173	NYC-RM 208	1789 DAVIDSON AVE	284 feet to the SSW	Petroleum Bulk Storage Site
175	SYCAMORE ROW LLC	1740 GRAND AVENUE	333 feet to the SSW	Petroleum Bulk Storage Site
181	A DAVIDSON	1775 DAVIDSON AVE	389 feet to the SSW	Petroleum Bulk Storage Site
39	1765 DAVISON AVE	1765 DAVISON AVE	507 feet to the SSW	Closed Status Spill (Unk/Other Cause)
187	1765-1767 DAVIDSON AVENUE	1765-1767 DAVIDSON AVENUE	507 feet to the SSW	Petroleum Bulk Storage Site
189	1718 GRAND AVE	1718 GRAND AVE.	538 feet to the SSW	Petroleum Bulk Storage Site
190	RICH REALTY CO	1718 GRAND AVE	538 feet to the SSW	Petroleum Bulk Storage Site
136	RESIDENCE	1750 GRAND AVE	165 feet to the SW*	Closed Status Spill (Misc. Spill Cause)
168	1750 REALTY CORPORATION	1750 GRAND AVENUE	165 feet to the SW*	Petroleum Bulk Storage Site
185	1721 GRAND AVE	1721 GRAND AVE	470 feet to the SW	Petroleum Bulk Storage Site
144	HAROLD DIAMOND APTS	1721 GRAND AV	472 feet to the SW	Closed Status Spill (Misc. Spill Cause)
192	1700 HARRISON AVENUE	1700 HARRISON AVENUE	625 feet to the SW	Petroleum Bulk Storage Site
177	DIV OF REAL PROPERTIES	1739 GRAND AVE	349 feet to the WSW	Petroleum Bulk Storage Site
182	1730 HARRISON AVENUE	1730 HARRISON AVENUE	425 feet to the WSW	Petroleum Bulk Storage Site
179	1804 HARRISON AVENUE	1804 HARRISON AVENUE	377 feet to the W	Petroleum Bulk Storage Site
180	BO MAY REALTY CORP	1804 HARRISON AVE	377 feet to the W	Petroleum Bulk Storage Site
197	NYCDEP - SHAFT 6B	TREMONT & HARRISON AVES	464 feet to the W	Hazardous Waste Generator/Transporter
150	APT BLDG	1731 HARRISON AVE	603 feet to the W	Closed Status Spill (Misc. Spill Cause)
137	MANHOLE 14272	105-107 WEST TREMONT AV	192 feet to the WNW*	Closed Status Spill (Misc. Spill Cause)
138	125 W. TREMONT AVE	125 W. TREMONT AVE	260 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
139	125 WEST TREMONT AVE.	125 WEST TREMONT AVE	260 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
140	125 WEST TREMONT ST	125 W TREMONT ST	260 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
169	WEST TREMONT AVENUE REALTY ASSOC. L.P.	125 W TREMONT AVENUE	260 feet to the WNW	Petroleum Bulk Storage Site
178	1812 HARRISON AVENUE	1812 HARRISON AVENUE	361 feet to the WNW	Petroleum Bulk Storage Site
176	1820 HARRISON REALTY L.L.C.	1820 HARRISON AV	347 feet to the NW	Petroleum Bulk Storage Site

Sites equal to or greater than 660 ft from subject property sorted by direction and distance

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
74	SERVICE BOX #11854	1966 UNIVERSITY AVE	1497 feet to the N	Closed Status Spill (Unk/Other Cause)
76	SERVICE BOX 11854	1970 UNIVERSITY AVE	1532 feet to the N	Closed Status Spill (Unk/Other Cause)
78	MANHOLE #23859	W BURNSIDE AV/UNIVERSITY	1536 feet to the N	Closed Status Spill (Unk/Other Cause)
79	MANHOLE #1966	UNIVERSTY AV/W BURNSIDE	1536 feet to the N	Closed Status Spill (Unk/Other Cause)
80	MANHOLE #11854	IFO 1966 UNIVERSITY AVE	1539 feet to the N	Closed Status Spill (Unk/Other Cause)

87	MH 21816	UNIVERSITY AVE/E179TH ST	1764 feet to the N	Closed Status Spill (Unk/Other Cause)
10	CHRISTIE RESIDENCE	145 W.179TH ST	2056 feet to the N	Active Haz Spill (Unknown/Other Cause)
100		145 WEST 179TH ST	2056 feet to the N	Closed Status Spill (Unk/Other Cause)
108	VAULT #12005	180 STREET & ANDREW AVENUE	2165 feet to the N	Closed Status Spill (Unk/Other Cause)
109	VAULT # VO1146	WEST 180TH/ANDREWS AVE ST	2165 feet to the N	Closed Status Spill (Unk/Other Cause)
26	CUNY- BRONX COLLEGE	WEST 181 STREET/UNIVERSIT	2639 feet to the N	Closed Status Tank Failure
88	VAULT 3161	37 BURNSIDE AV	1781 feet to the NNE	Closed Status Spill (Unk/Other Cause)
106	MANHOLE 23731	UNIVERSITY AVE/W 180TH ST	2136 feet to the NNE	Closed Status Spill (Unk/Other Cause)
24	2084 GRAND AVE/BX	2084 GRAND AVENUE	2252 feet to the NNE	Closed Status Tank Failure
113	2084 GRAND AVENUE	2084 GRAND AVENUE	2252 feet to the NNE	Closed Status Spill (Unk/Other Cause)
114	2084 GRAND AVENUE	2084 GRAND AVENUE	2252 feet to the NNE	Closed Status Spill (Unk/Other Cause)
49	MANHOLE # 18889	E TREMONT AV & DROME AVE	1100 feet to the NE	Closed Status Spill (Unk/Other Cause)
50	NANHOLE #18889	E TREMONT/JEROME AVE	1100 feet to the NE	Closed Status Spill (Unk/Other Cause)
51	SERVICE BOX 18893	JEROME AVE/E TREMONT AVE	1100 feet to the NE	Closed Status Spill (Unk/Other Cause)
52	MANHOLE 18890	JEROME AVE AT W TREMONT	1100 feet to the NE	Closed Status Spill (Unk/Other Cause)
29	1985 DAVIDSON AVENUE	1985 DAVIDSON AVENUE	1105 feet to the NE	Closed Status Tank Test Failure
9	FORMER GAS STATION	1990 JEROME AVE	1445 feet to the NE	Active Haz Spill (Unknown/Other Cause)
72	205175; E179 ST 67' E/O JEROME AVE	E179 ST 67' E/O JEROME AVE	1462 feet to the NE	Closed Status Spill (Unk/Other Cause)
85	INTERSECTION OF	DAVIDSON STREET AND BURNSIDE AVE	1751 feet to the NE	Closed Status Spill (Unk/Other Cause)
160		2050 DAVIDSON AVE	1911 feet to the NE	Closed Status Spill (Misc. Spill Cause)
98		BURNSIDE AV/JEROME AVE	1971 feet to the NE	Closed Status Spill (Unk/Other Cause)
13	APARTMENT BUILDING	2071 WALTON AVE	2295 feet to the NE	Active Haz Spill (Unknown/Other Cause)
57	22-20 E TREMONT AVE	22-20 E. TREMONT AVE.	1150 feet to the ENE	Closed Status Spill (Unk/Other Cause)
151	22 EAST TREMONT ST/BX	22 EAST TREMONT ST	1150 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
31	R. G. ORTIZ FUNERAL HOME	60 EAST TREMONT AVE	1208 feet to the ENE	Closed Status Tank Test Failure
61	MANHOLE 9688	WALTON AVE & E TREMONT	1213 feet to the ENE	Closed Status Spill (Unk/Other Cause)
71	MANHOLE 23888	101 EAST TREMONT AVE	1456 feet to the ENE	Closed Status Spill (Unk/Other Cause)
73	GAS STATION	20 EAST 179TH STREET	1467 feet to the ENE	Closed Status Spill (Unk/Other Cause)
89	101 E 179 ST & MORRIS AVE	101 E 179TH ST & MORRIS	1799 feet to the ENE	Closed Status Spill (Unk/Other Cause)
161		2043 CRESTONE AVE	2241 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
120	MANHOLE #23914	CRESTON AV & BURNSIDE AV	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
121	MANHOLE 23915	CRESENT AV/BURNSIDE AV	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
122	MANHOLE - # 23915	CRESTON AV & E BERNSIDE A	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
123	MAN HOLE # 2531	EASTBURNSIDE AV/CRESTON A	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
124	MAN HOLE # 23914	CRESTON AVE/BURNSIDE AV	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
125	MANHOLE 2531	CRESTON AV/E BURNSIDE AV	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
128		2055 CRESTON AVE	2418 feet to the ENE	Closed Status Spill (Unk/Other Cause)
131		2065 CRESTON AVE	2498 feet to the ENE	Closed Status Spill (Unk/Other Cause)
7	APARTMENT BUILDING	60 EAST 177TH ST	1041 feet to the E	Active Haz Spill (Unknown/Other Cause)
19	RE-MO HOLDING CORP	110 EAST 177TH ST	1407 feet to the E	Closed Status Tank Failure
152	COLISEUM DEPOT	110 E. 177TH STR	1407 feet to the E	Closed Status Spill (Misc. Spill Cause)
21	ST MARGARET MARY RECTORY	1914 MORRIS AVE	1465 feet to the E	Closed Status Tank Failure
90	MANHOLE 23890	EAST TREEMONT/GRAND CONCO	1809 feet to the E	Closed Status Spill (Unk/Other Cause)
96	APARTMENT	1955 GRAND CONCOURSE	1944 feet to the E	Closed Status Spill (Unk/Other Cause)
23	1916 GRAND CONCOURSE/BX	1916 GRAND CONCOURSE	2019 feet to the E	Closed Status Tank Failure
102	217 EASTMONT AV/BX	217 EASTMONT AVENUE	2084 feet to the E	Closed Status Spill (Unk/Other Cause)
104	SB 15081	IFO 1967 GRAND CONCOURSE	2101 feet to the E	Closed Status Spill (Unk/Other Cause)
34	ST THOMAS LUTHERAN CHURCH	222 E 178TH ST	2313 feet to the E	Closed Status Tank Test Failure
36	JONAS BRONCK HOUSING	230 EAST 179TH STREET	2512 feet to the E	Closed Status Tank Test Failure

37	CLOSED-LACKOF RECENT INFO	230 EAST 179TH ST	2512 feet to the E	Closed Status Tank Test Failure
38	CLOSED-LACKOF RECENT INFO	230 EAST 179TH ST	2512 feet to the E	Closed Status Tank Test Failure
42	27 MOUNT HOPE PL	27 MOUNT HOPE PL	714 feet to the ESE	Closed Status Spill (Unk/Other Cause)
45	THREE GAL ANTIFREEZE IN SB 9677	WALTON AVENUE & MT. HOPE PLACE	915 feet to the ESE	Closed Status Spill (Unk/Other Cause)
59	JUNIOR HIGH SCHOOL 117	1865 MORRIS AVE	1213 feet to the ESE	Closed Status Spill (Unk/Other Cause)
60	JUNIOR HIGH SCHOOL 117	1865 MORRIS AVENUE	1213 feet to the ESE	Closed Status Spill (Unk/Other Cause)
107	SERVICE BOX # 9123	EAST 176TH/TOPPING AVE	2144 feet to the ESE	Closed Status Spill (Unk/Other Cause)
132	1775 CLAY AVE	1775 CLAY AV	2501 feet to the ESE	Closed Status Spill (Unk/Other Cause)
17	XFMR IN VAULT #2385 LEAKED 400 GAL	EAST 176 STREET & ANTHONY AVENUE	2617 feet to the ESE	Active Haz Spill (Misc. Spill Cause)
46		1791 WALTON AVE	956 feet to the SE	Closed Status Spill (Unk/Other Cause)
58	SERVICE BOX #9515	110 E. 176TH ST	1176 feet to the SE	Closed Status Spill (Unk/Other Cause)
20		1777 GRAND CONCORSE	1410 feet to the SE	Closed Status Tank Failure
153	APARTMNET BUILDING	1777 GRAND CONCOURSE/175ST	1410 feet to the SE	Closed Status Spill (Misc. Spill Cause)
97		1790 WEEKS AVE &175TH	1954 feet to the SE	Closed Status Spill (Unk/Other Cause)
101	MANHOLE PM499	MONROE AVE/EAST 175TH ST	2059 feet to the SE	Closed Status Spill (Unk/Other Cause)
105	RESIDENCE	1764 WEEKS AVE	2104 feet to the SE	Closed Status Spill (Unk/Other Cause)
162	CROSS BRONX EXPWY/WEEKS	AT WEEKS AVE	2311 feet to the SE	Closed Status Spill (Misc. Spill Cause)
15	VAULT VS325 HAS THREE QTS OIL.	PROSPECT PLACE & CLAY AVENUE	2629 feet to the SE	Active Haz Spill (Unknown/Other Cause)
135	FUEL OIL FOUND IN SUMP PIT - 1 GALLON	PROSPECT PLACE & CLAY AVENUE	2629 feet to the SE	Closed Status Spill (Unk/Other Cause)
18	MOUNT HOPE HOUSING COMPANY	55 EAST 175TH STREET	1034 feet to the SSE	Closed Status Tank Failure
8	FORMER RESIDENCE	1752 WALTON AVE	1259 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
32	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	1403 feet to the SSE	Closed Status Tank Test Failure
66	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	1403 feet to the SSE	Closed Status Spill (Unk/Other Cause)
75	BETW CLIFFORD & E 175 ST	1749 GRAND CONCOURSE	1531 feet to the SSE	Closed Status Spill (Unk/Other Cause)
83	APARTMENT BUILDING	1695 GRAND CONCOURSE	1645 feet to the SSE	Closed Status Spill (Unk/Other Cause)
99	MANHOLE #12683	E174TH ST/SELWYN AV	1989 feet to the SSE	Closed Status Spill (Unk/Other Cause)
103	STREET	MORRIS AVE/ E. 174TH ST	2095 feet to the SSE	Closed Status Spill (Unk/Other Cause)
3	UNKNOWN	173RD ST. & SELWYN AVE.	2352 feet to the SSE	Solid Waste Facility
119	#6 IN MNHLE-173 ST & SEL	173 ST & SELWYN AVE.	2352 feet to the SSE	Closed Status Spill (Unk/Other Cause)
35	CLOSED-LACKOF RECENT INFO	221 E. 173RD ST	2479 feet to the SSE	Closed Status Tank Test Failure
43	SERVICE BOX 16891	1745 JEROME AVE	821 feet to the S	Closed Status Spill (Unk/Other Cause)
47	SERVICE BOX 16890	1709 JEROME AVE	981 feet to the S	Closed Status Spill (Unk/Other Cause)
48	BP AMACO	1740 JEROME AVE	984 feet to the S	Closed Status Spill (Unk/Other Cause)
56	MANHOLE #16889	1705 JERONE AV	1146 feet to the S	Closed Status Spill (Unk/Other Cause)
62	SERVICE BOX 16884	JEROME AV & CLIFFORD PL	1289 feet to the S	Closed Status Spill (Unk/Other Cause)
63	SERVICE BOX 16884	WEST SIDE OF JERONE AVE	1289 feet to the S	Closed Status Spill (Unk/Other Cause)
64	SERVICE BOX 16884	JEROME AVE AT CLIFFORD RD	1289 feet to the S	Closed Status Spill (Unk/Other Cause)
118	OIL IN DUCT AT MANHOLE # 9647	EAST WALTON AVE & MOUNT EDEN AVE	2349 feet to the S	Closed Status Spill (Unk/Other Cause)
6	BRONX HOSPITAL - TTF	1650 GRAND CONCOURSE	2398 feet to the S	Active Tank Test Failure
126	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	2398 feet to the S	Closed Status Spill (Unk/Other Cause)
127	BRONX LEBANON HOSPITAL	1650 GRAND CONCORSE	2398 feet to the S	Closed Status Spill (Unk/Other Cause)
163	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	2398 feet to the S	Closed Status Spill (Misc. Spill Cause)
1	1296 SHERIDAN AVENUE	1296 SHERIDAN AVENUE	5126 feet to the S	NYSDEC Inactive Haz Waste Disposal Site
2	1296 SHERIDAN AVE	231 E 169TH ST	5126 feet to the S	NYSDEC Inactive Haz Waste Registry Qual.
67	MANHOLE 403	DAVIDSON AV/174TH ST	1422 feet to the SSW	Closed Status Spill (Unk/Other Cause)
81	SUNOCO	1657 JEROME AVE	1624 feet to the SSW	Closed Status Spill (Unk/Other Cause)
82	SUNOCO STATION 0007583196	1657 JEROME AVE.	1624 feet to the SSW	Closed Status Spill (Unk/Other Cause)
92	CROSSBRONX EXPRESSWAY	@JEROME AVE	1844 feet to the SSW	Closed Status Spill (Unk/Other Cause)

93	JEROME AVENUE	CROSS BRONX EXPRESSWAY	1844 feet to the SSW	Closed Status Spill (Unk/Other Cause)
154	TRAFFIC ACCIDENT	WB X BRONX XPRSWY/JEROME	1844 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
155	CROSS BRONX EXPRESSWAY EB	AT JEROME AVE	1844 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
156	CROSS BRONX X-PRESSWAY/JE	CROSS BRONX X-WAY/JEROME	1844 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
157	TRAFFIC ACCIDENT	CROSS BRONX EX / JEROME A	1844 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
110	JEROME AV @ EDEN AV	JEROME AV @ EDEN AV	2180 feet to the SSW	Closed Status Spill (Unk/Other Cause)
14	NYCSCA - NEW SCHOOL SITE	1526-1532 JEROME AVE	2623 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
69	VACANT LOT	1640 MACOMBS ROAD	1454 feet to the SW	Closed Status Spill (Unk/Other Cause)
70	1640 MACOMBS RD	1640 MACOMBS ROAD	1454 feet to the SW	Closed Status Spill (Unk/Other Cause)
33	PS 104 ANNEX BLDG	108 WEST 174	2024 feet to the SW	Closed Status Tank Test Failure
4	MOBIL SERVICE STATION	1764 UNIVERSITY AV	1144 feet to the WSW	Active Tank Test Failure
30	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	1144 feet to the WSW	Closed Status Tank Test Failure
53	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	1144 feet to the WSW	Closed Status Spill (Unk/Other Cause)
54	EXXON MOBIL # 17-KPY	1764 UNIVERSITY AVE	1144 feet to the WSW	Closed Status Spill (Unk/Other Cause)
55	1764 UNIVERSITY AVE	1764 UNIVERSITY AVE	1144 feet to the WSW	Closed Status Spill (Unk/Other Cause)
65	EMPTY LOT	NELSON AVE 1700 BLOCK	1393 feet to the WSW	Closed Status Spill (Unk/Other Cause)
86	ROADWAY	UNIVERSITY AVE & BRANT PL	1760 feet to the WSW	Closed Status Spill (Unk/Other Cause)
94	UNIVERSITY AVE. CONSOL.	1665 ANDREWS AVENUE	1911 feet to the WSW	Closed Status Spill (Unk/Other Cause)
117	MANHOLE #20256	W. 175TH ST & MONTGOMRY	2309 feet to the WSW	Closed Status Spill (Unk/Other Cause)
133		174 UNIVERSITY AVE	2513 feet to the WSW	Closed Status Spill (Unk/Other Cause)
84	MANHOLE #TM-422	ANDREWS AVE/WEST 176TH ST	1655 feet to the W	Closed Status Spill (Unk/Other Cause)
91	1710 MONTGOMERY AVE	1710 MONTGOMERY AVE	1815 feet to the W	Closed Status Spill (Unk/Other Cause)
129	ONE PINT OIL IN VAULT # 4116	1750 SEDGWICK AVENUE	2461 feet to the W	Closed Status Spill (Unk/Other Cause)
27	SHIELD SCHOOL	ANDREWS AV	958 feet to the WNW	Closed Status Tank Test Failure
28	1800 ANDREWS AV/BX/SHIELD	1800 ANDREWS AVE	958 feet to the WNW	Closed Status Tank Test Failure
68	200 WEST TREMONT AVE	200 WEST TREMONT AVE	1435 feet to the WNW	Closed Status Spill (Unk/Other Cause)
158	WEST TREMONT	228 WEST TREMONT AVE	1868 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
159	SEDGEWICK AVE P.U.R.S.	SEDGWICK AVE/WEST TREMONT	1893 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
11	SEDGWICK AVE PURS	1823 SEDGWICK AVE	2090 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
12	SEDGWICK AVE PURS	1823 SEDGWICK AVE	2090 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
16	SEDGWICK AVE PURS	SEDGWICK AVE	2090 feet to the WNW	Active Haz Spill (Misc. Spill Cause)
111	BASEMENT	1761 UNDERCLIFF AVE	2230 feet to the WNW	Closed Status Spill (Unk/Other Cause)
115	MANHOLE 29558	CEDAR AVE/W TREMONT AVE	2298 feet to the WNW	Closed Status Spill (Unk/Other Cause)
116	IN MANHOLE	CEDAR AVE / TREMONT AVE	2298 feet to the WNW	Closed Status Spill (Unk/Other Cause)
44	SERVICE BOX 11844	1839 UNIVERSITY AVE	855 feet to the NW	Closed Status Spill (Unk/Other Cause)
22	1840 PHELAM PL/BX	1840 PHELAM PLACE	1548 feet to the NW	Closed Status Tank Failure
95		1883 BILLINGSLEY TERR	1938 feet to the NW	Closed Status Spill (Unk/Other Cause)
112	VACANT BUILDING	1854 CEDAR AVE	2244 feet to the NW	Closed Status Spill (Unk/Other Cause)
5	RENTAL MANAGEMENT ASSOCIA	1890 ANDREWS AVE	1264 feet to the NNW	Active Tank Test Failure
77	MANHOLE 23857	BURNSIDE AV/LORING PL	1532 feet to the NNW	Closed Status Spill (Unk/Other Cause)
130	W. 179TH ST & CEDAR AVE	W. 179TH ST & CEDAR AVE	2494 feet to the NNW	Closed Status Spill (Unk/Other Cause)
25	MAJOR DEEGAN EXPRESSWAY	MAJOR DEEGAN EXPRESSWAY	2615 feet to the NNW	Closed Status Tank Failure
164	WEST 179 ST/DEEGAN EXPRES	WEST 179 ST/DEEGAN EXPRES	2615 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
134	1972,74 CEDAR AVENUE. / B	1972,74 CEDAR AVENUE.	2620 feet to the NNW	Closed Status Spill (Unk/Other Cause)

Identified Toxic Sites by Category

60 W 177th Street & 92 West Tremont Ave
Bronx, NY 10453

* Compass directions can vary substantially for sites located very close to the subject property address.

NYSDEC Inactive Haz. Waste Disposal Site Registry -- Total Sites - 1

Database searched at 1 MILE - ASTM required search distance: 1 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	203004	1296 SHERIDAN AVENUE	1296 SHERIDAN AVENUE	5126 feet to the S

Inactive Haz. Waste Disposal Site Registry Qualifying -- Total Sites - 1

Database searched at 1 MILE - ASTM required search distance: 1 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
2		1296 SHERIDAN AVE	231 E 169TH ST	5126 feet to the S

Solid Waste Facilities -- Total Sites - 1

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
3		UNKNOWN	173RD ST. & SELWYN AVE.	2352 feet to the SSE

Active Tank Test Failures -- Total Sites - 3

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
4	0300047	MOBIL SERVICE STATION	1764 UNIVERSITY AV	1144 feet to the WSW
5	0707458	RENTAL MANAGEMENT ASSOCIA	1890 ANDREWS AVE	1264 feet to the NNW
6	0902025	BRONX HOSPITAL - TTF	1650 GRAND CONCOURSE	2398 feet to the S

Active Haz Spills (Unknown Causes & Other Causes) -- Total Sites - 9

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
7	0700945	APARTMENT BUILDING	60 EAST 177TH ST	1041 feet to the E
8	0800016	FORMER RESIDENCE	1752 WALTON AVE	1259 feet to the SSE
9	0501131	FORMER GAS STATION	1990 JEROME AVE	1445 feet to the NE
10	9805774	CHRISTIE RESIDENCE	145 W.179TH ST	2056 feet to the N
11	0202997	SEDGWICK AVE PURS	1823 SEDGWICK AVE	2090 feet to the WNW
12	0202993	SEDGWICK AVE PURS	1823 SEDGWICK AVE	2090 feet to the WNW
13	0812278	APARTMENT BUILDING	2071 WALTON AVE	2295 feet to the NE
14	0508302	NYCSCA - NEW SCHOOL SITE	1526-1532 JEROME AVE	2623 feet to the SSW
15	0801688	VAULT VS325 HAS THREE QTS OIL.	PROSPECT PLACE & CLAY AVENUE	2629 feet to the SE

Active Haz Spills (Miscellaneous Spill Causes) -- Total Sites - 2

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
16	0004627	SEDGWICK AVE PURS	SEDGWICK AVE	2090 feet to the WNW
17	0712489	XFMR IN VAULT #2385 LEAKED 400 GAL	EAST 176 STREET & ANTHONY AVENUE	2617 feet to the ESE

Closed Status Tank Failures -- Total Sites - 9

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
18	0612967	MOUNT HOPE HOUSING COMPANY	55 EAST 175TH STREET	1034 feet to the SSE
19	0002349	RE-MO HOLDING CORP	110 EAST 177TH ST	1407 feet to the E
20	9807803		1777 GRAND CONCORSE	1410 feet to the SE
21	9912520	ST MARGARET MARY RECTORY	1914 MORRIS AVE	1465 feet to the E
22	9009970	1840 PHELAM PL/BX	1840 PHELAM PLACE	1548 feet to the NW
23	8910174	1916 GRAND CONCOURSE/BX	1916 GRAND CONCOURSE	2019 feet to the E
24	9006668	2084 GRAND AVE/BX	2084 GRAND AVENUE	2252 feet to the NNE
25	9703316	MAJOR DEEGAN EXPRESSWAY	MAJOR DEEGAN EXPRESSWAY	2615 feet to the NNW
26	0409356	CUNY- BRONX COLLEGE	WEST 181 STREET/UNIVERSIT	2639 feet to the N

Closed Status Tank Test Failures -- Total Sites - 12 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
27	8802473	SHIELD SCHOOL	ANDREWS AV	958 feet to the WNW
28	8800172	1800 ANDREWS AV/BX/SHIELD	1800 ANDREWS AVE	958 feet to the WNW
29	0111936	1985 DAVIDSON AVENUE	1985 DAVIDSON AVENUE	1105 feet to the NE
30	9009553	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	1144 feet to the WSW
31	0509326	R. G. ORTIZ FUNERAL HOME	60 EAST TREMONT AVE	1208 feet to the ENE
32	9107637	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	1403 feet to the SSE
33	0505563	PS 104 ANNEX BLDG	108 WEST 174	2024 feet to the SW
34	0103200	ST THOMAS LUTHERAN CHURCH	222 E 178TH ST	2313 feet to the E
35	9802018	CLOSED-LACKOF RECENT INFO	221 E. 173RD ST	2479 feet to the SSE
36	9800639	JONAS BRONCK HOUSING	230 EAST 179TH STREET	2512 feet to the E
37	8708931	CLOSED-LACKOF RECENT INFO	230 EAST 179TH ST	2512 feet to the E
38	8708460	CLOSED-LACKOF RECENT INFO	230 EAST 179TH ST	2512 feet to the E

Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 97 — **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
39	9110836	1765 DAVISON AVE	1765 DAVISON AVE	507 feet to the SSW
40	9811131	MANHOLE #3888926	177TH ST & JEROME AVE	509 feet to the E
41	0307519	SERVICE BOX 16900	JEROME AVE/WEST 176 ST	570 feet to the SSE
42	9707910	27 MOUNT HOPE PL	27 MOUNT HOPE PL	714 feet to the ESE
43	0002003	SERVICE BOX 16891	1745 JEROME AVE	821 feet to the S
44	9900460	SERVICE BOX 11844	1839 UNIVERSITY AVE	855 feet to the NW
45	0705954	THREE GAL ANTIFREEZE IN SB 9677	WALTON AVENUE & MT. HOPE PLACE	915 feet to the ESE
46	0207086		1791 WALTON AVE	956 feet to the SE
47	0002001	SERVICE BOX 16890	1709 JEROME AVE	981 feet to the S
48	0606210	BP AMACO	1740 JEROME AVE	984 feet to the S
49	9908558	MANHOLE # 18889	E TREMONT AV & DROME AVE	1100 feet to the NE
50	9908174	NANHOLE #18889	E TREMONT/JEROME AVE	1100 feet to the NE
51	0001618	SERVICE BOX 18893	JEROME AVE/E TREMONT AVE	1100 feet to the NE
52	0001615	MANHOLE 18890	JEROME AVE AT W TREMONT	1100 feet to the NE
53	8904142	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	1144 feet to the WSW
54	0506867	EXXON MOBIL # 17-KPY	1764 UNIVERSITY AVE	1144 feet to the WSW
55	0404708	1764 UNIVERSITY AVE	1764 UNIVERSITY AVE	1144 feet to the WSW
56	0106113	MANHOLE #16889	1705 JERONE AV	1146 feet to the S
57	8600955	22-20 E TREMONT AVE	22-20 E. TREMONT AVE.	1150 feet to the ENE
58	9914843	SERVICE BOX #9515	110 E. 176TH ST	1176 feet to the SE
59	9913920	JUNIOR HIGH SCHOOL 117	1865 MORRIS AVE	1213 feet to the ESE
60	9812895	JUNIOR HIGH SCHOOL 117	1865 MORRIS AVENUE	1213 feet to the ESE
61	9909214	MANHOLE 9688	WALTON AVE & E TREMONT	1213 feet to the ENE
62	9906815	SERVICE BOX 16884	JEROME AV & CLIFFORD PL	1289 feet to the S
63	9903032	SERVICE BOX 16884	WEST SIDE OF JERONE AVE	1289 feet to the S
64	9814072	SERVICE BOX 16884	JEROME AVE AT CLIFFORD RD	1289 feet to the S
65	9902691	EMPTY LOT	NELSON AVE 1700 BLOCK	1393 feet to the WSW
66	9401422	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	1403 feet to the SSE
67	0209047	MANHOLE 403	DAVIDSON AV/174TH ST	1422 feet to the SSW
68	9809179	200 WEST TREMONT AVE	200 WEST TREMONT AVE	1435 feet to the WNW
69	0412869	VACANT LOT	1640 MACOMBS ROAD	1454 feet to the SW
70	0412587	1640 MACOMBS RD	1640 MACOMBS ROAD	1454 feet to the SW
71	0003465	MANHOLE 23888	101 EAST TREMONT AVE	1456 feet to the ENE
72	0890029	205175; E179 ST 67‘ E/O JEROME AVE	E179 ST 67‘ E/O JEROME AVE	1462 feet to the NE
73	0707310	GAS STATION	20 EAST 179TH STREET	1467 feet to the ENE

74	0100323	SERVICE BOX #11854	1966 UNIVERSITY AVE	1497 feet to the N
75	0710535	BETW CLIFFORD & E 175 ST	1749 GRAND CONCOURSE	1531 feet to the SSE
76	0001000	SERVICE BOX 11854	1970 UNIVERSITY AVE	1532 feet to the N
77	0000482	MANHOLE 23857	BURNSIDE AV/LORING PL	1532 feet to the NNW
78	9913786	MANHOLE #23859	W BURNSIDE AV/UNIVERSITY	1536 feet to the N
79	0012116	MANHOLE #1966	UNIVERSTY AV/W BURNSIDE	1536 feet to the N
80	0100361	MANHOLE #11854	IFO 1966 UNIVERSITY AVE	1539 feet to the N
81	9507824	SUNOCO	1657 JEROME AVE	1624 feet to the SSW
82	0405971	SUNOCO STATION 0007583196	1657 JEROME AVE.	1624 feet to the SSW
83	0311433	APARTMENT BUILDING	1695 GRAND CONCOURSE	1645 feet to the SSE
84	0001590	MANHOLE #TM-422	ANDREWS AVE/WEST 176TH ST	1655 feet to the W
85	0905913	INTERSECTION OF	DAVIDSON STREET AND BURNSIDE AVE	1751 feet to the NE
86	9812546	ROADWAY	UNIVERSITY AVE & BRANT PL	1760 feet to the WSW
87	0203637	MH 21816	UNIVERSITY AVE/E179TH ST	1764 feet to the N
88	0009392	VAULT 3161	37 BURNSIDE AV	1781 feet to the NNE
89	9307181	101 E 179 ST & MORRIS AVE	101 E 179TH ST & MORRIS	1799 feet to the ENE
90	0003466	MANHOLE 23890	EAST TREEMONT/GRAND CONCO	1809 feet to the E
91	9900678	1710 MONTGOMERY AVE	1710 MONTGOMERY AVE	1815 feet to the W
92	0402151	CROSSBRONX EXPRESSWAY	@JEROME AVE	1844 feet to the SSW
93	0105472	JEROME AVENUE	CROSS BRONX EXPRESSWAY	1844 feet to the SSW
94	9505170	UNIVERSITY AVE. CONSOL.	1665 ANDREWS AVENUE	1911 feet to the WSW
95	0300271		1883 BILLINGSLEY TERR	1938 feet to the NW
96	0612061	APARTMENT	1955 GRAND CONCOURSE	1944 feet to the E
97	0405476		1790 WEEKS AVE &175TH	1954 feet to the SE
98	0013701		BURNSIDE AV/JEROME AVE	1971 feet to the NE
99	9900662	MANHOLE #12683	E174TH ST/SELWYN AV	1989 feet to the SSE
100	9803703		145 WEST 179TH ST	2056 feet to the N
101	0003424	MANHOLE PM499	MONROE AVE/EAST 175TH ST	2059 feet to the SE
102	8905893	217 EASTMONT AV/BX	217 EASTMONT AVENUE	2084 feet to the E
103	9713137	STREET	MORRIS AVE/ E. 174TH ST	2095 feet to the SSE
104	0100454	SB 15081	IFO 1967 GRAND CONCOURSE	2101 feet to the E
105	9911846	RESIDENCE	1764 WEEKS AVE	2104 feet to the SE
106	9910988	MANHOLE 23731	UNIVERSITY AVE/W 180TH ST	2136 feet to the NNE
107	0409807	SERVICE BOX # 9123	EAST 176TH/TOPPING AVE	2144 feet to the ESE
108	0608641	VAULT #12005	180 STREET & ANDREW AVENUE	2165 feet to the N
109	0409780	VAULT # VO1146	WEST 180TH/ANDREWS AVE ST	2165 feet to the N
110	8805315	JEROME AV @ EDEN AV	JEROME AV @ EDEN AV	2180 feet to the SSW
111	0711306	BASEMENT	1761 UNDERCLIFF AVE	2230 feet to the WNW
112	0808073	VACANT BUILDING	1854 CEDAR AVE	2244 feet to the NW
113	9306130	2084 GRAND AVENUE	2084 GRAND AVENUE	2252 feet to the NNE
114	9306121	2084 GRAND AVENUE	2084 GRAND AVENUE	2252 feet to the NNE
115	9814034	MANHOLE 29558	CEDAR AVE/W TREMONT AVE	2298 feet to the WNW
116	9808990	IN MANHOLE	CEDAR AVE / TREMONT AVE	2298 feet to the WNW
117	9913437	MANHOLE #20256	W. 175TH ST & MONTGOMRY	2309 feet to the WSW
118	0712397	OIL IN DUCT AT MANHOLE # 9647	EAST WALTON AVE & MOUNT EDEN AVE	2349 feet to the S
119	8602591	#6 IN MNHLE-173 ST & SEL	173 ST & SELWYN AVE.	2352 feet to the SSE
120	9911740	MANHOLE #23914	CRESTON AV & BURNSIDE AV	2354 feet to the ENE
121	9911498	MANHOLE 23915	CRESENT AV/BURNSIDE AV	2354 feet to the ENE
122	9909079	MANHOLE - # 23915	CRESTON AV & E BERNSIDE A	2354 feet to the ENE
123	9907063	MAN HOLE # 2531	EASTBURNSIDE AV/CRESTON A	2354 feet to the ENE
124	0009776	MAN HOLE # 23914	CRESTON AVE/BURNSIDE AV	2354 feet to the ENE
125	0007197	MANHOLE 2531	CRESTON AV/E BURNSIDE AV	2354 feet to the ENE
126	9905835	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	2398 feet to the S

127	0204648	BRONX LEBANON HOSPITAL	1650 GRAND CONCORSE	2398 feet to the S
128	0009866		2055 CRESTON AVE	2418 feet to the ENE
129	0611957	ONE PINT OIL IN VAULT # 4116	1750 SEDGWICK AVENUE	2461 feet to the W
130	9502789	W. 179TH ST & CEDAR AVE	W. 179TH ST & CEDAR AVE	2494 feet to the NNW
131	0308449		2065 CRESTON AVE	2498 feet to the ENE
132	9804012	1775 CLAY AVE	1775 CLAY AV	2501 feet to the ESE
133	9808922		174 UNIVERSITY AVE	2513 feet to the WSW
134	8701256	1972,74 CEDAR AVENUE. / B	1972,74 CEDAR AVENUE.	2620 feet to the NNW
135	0801513	FUEL OIL FOUND IN SUMP PIT - 1 GALLON	PROSPECT PLACE & CLAY AVENUE	2629 feet to the SE

Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 29 **Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
136	0005234	RESIDENCE	1750 GRAND AVE	165 feet to the SW*
137	9908266	MANHOLE 14272	105-107 WEST TREMONT AV	192 feet to the WNW*
138	9406349	125 W. TREMONT AVE	125 W. TREMONT AVE	260 feet to the WNW
139	9313948	125 WEST TREMONT AVE.	125 WEST TREMONT AVE	260 feet to the WNW
140	8906296	125 WEST TREMONT ST	125 W TREMONT ST	260 feet to the WNW
141	0710211	APT. BUILDING	1822 DAVIDSON AVE	269 feet to the ESE
142	0705632	COMMERCIAL	1829 JEROME AVE	368 feet to the ESE
143	0210092		62-66 W. TREMONT AVE	439 feet to the NNE
144	0104736	HAROLD DIAMOND APTS	1721 GRAND AV	472 feet to the SW
145	9809680	E177TH STREET & JEROME AV	E177TH STREET & JEROME AV	509 feet to the E
146	0405449	CONED VEHICLE #607447	1876 JEROME AVE	546 feet to the ESE
147	9507800	E. 176TH ST & JEROME AVE	E. 176TH ST & JEROME AVE	570 feet to the SSE
148	0504804	MANHOLE #16889	EAST 176TH/JEROME AVE	570 feet to the SSE
149	9502766	1868 HARRISON AVENUE	1868 HARRISON AVENUE	575 feet to the N
150	9812681	APT BLDG	1731 HARRISON AVE	603 feet to the W
151	9000496	22 EAST TREMONT ST/BX	22 EAST TREMONT ST	1150 feet to the ENE
152	8701779	COLISEUM DEPOT	110 E. 177TH STR	1407 feet to the E
153	0409906	APARTMNET BUILDING	1777 GRAND CONCOURSE/175ST	1410 feet to the SE
154	9808123	TRAFFIC ACCIDENT	WB X BRONX XPRSWY/JEROME	1844 feet to the SSW
155	9707515	CROSS BRONX EXPRESSWAY EB	AT JEROME AVE	1844 feet to the SSW
156	8703342	CROSS BRONX X-PRESSWAY/JE	CROSS BRONX X-WAY/JEROME	1844 feet to the SSW
157	0501045	TRAFFIC ACCIDENT	CROSS BRONX EX / JEROME A	1844 feet to the SSW
158	9512888	WEST TREMONT	228 WEST TREMONT AVE	1868 feet to the WNW
159	0500419	SEDGEWICK AVE P.U.R.S.	SEDGWICK AVE/WEST TREMONT	1893 feet to the WNW
160	9812333		2050 DAVIDSON AVE	1911 feet to the NE
161	9805671		2043 CRESTONE AVE	2241 feet to the ENE
162	9513674	CROSS BRONX EXPWY/WEEKS	AT WEEKS AVE	2311 feet to the SE
163	9606824	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	2398 feet to the S
164	9703317	WEST 179 ST/DEEGAN EXPRES	WEST 179 ST/DEEGAN EXPRES	2615 feet to the NNW

Petroleum Bulk Storage Sites -- Total Sites - 31 **Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
165	2-605491	1815 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	110 feet to the SSE*
166	2-605494	1821 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	117 feet to the ESE*
167	NY06910	MOUNT HOPE HOUSING CO.	1821 DAVIDSON AVE	117 feet to the ESE*
168	2-332690	1750 REALTY CORPORATION	1750 GRAND AVENUE	165 feet to the SW*
169	2-311332	WEST TREMONT AVENUE REALTY ASSOC. L.P.	125 W TREMONT AVENUE	260 feet to the WNW
170	2-605493	1822 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC	269 feet to the ESE
171	NY06987	MT HOPE HOUSING CO	1822 DAVIDSON AVE	269 feet to the ESE
172	2-605492	1789 DAVIDSON AVE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC	284 feet to the SSW
173	NY07531	NYC-RM 208	1789 DAVIDSON AVE	284 feet to the SSW

174	2-605495	1800 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	325 feet to the SSE
175	2-602719	SYCAMORE ROW LLC	1740 GRAND AVENUE	333 feet to the SSW
176	2-191906	1820 HARRISON REALTY L.L.C.	1820 HARRISON AV	347 feet to the NW
177	NY03297	DIV OF REAL PROPERTIES	1739 GRAND AVE	349 feet to the WSW
178	2-469068	1812 HARRISON AVENUE	1812 HARRISON AVENUE	361 feet to the WNW
179	2-294675	1804 HARRISON AVENUE	1804 HARRISON AVENUE	377 feet to the W
180	NY02072	BO MAY REALTY CORP	1804 HARRISON AVE	377 feet to the W
181	2-610068	A DAVIDSON	1775 DAVIDSON AVE	389 feet to the SSW
182	2-602479	1730 HARRISON AVENUE	1730 HARRISON AVENUE	425 feet to the WSW
183	2-601394	62-66 WEST TREMONT AVE.	62-66 WEST TREMONT AVE.	439 feet to the NNE
184	NY00901	62-66 W TREMONT AV.	62 W TREMONT AVE	439 feet to the NNE
185	2-328405	1721 GRAND AVE	1721 GRAND AVE	470 feet to the SW
186	NY03737	EVA H THOMPSON	1854 HARRISON AVE	478 feet to the N
187	2-204811	1765-1767 DAVIDSON AVENUE	1765-1767 DAVIDSON AVENUE	507 feet to the SSW
188	2-467871	1770 DAVIDSON AVENUE	1770 DAVIDSON AVENUE	528 feet to the S
189	2-600839	1718 GRAND AVE	1718 GRAND AVE.	538 feet to the SSW
190	NY08461	RICH REALTY CO	1718 GRAND AVE	538 feet to the SSW
191	2-603853	UNIT AUTO REPAIR (FAUSTO FIGUEROA)	8 EAST 177TH STREET	585 feet to the E
192	2-602477	1700 HARRISON AVENUE	1700 HARRISON AVENUE	625 feet to the SW
193	2-601838	INTERMEDIATE SCHOOL 306 - BRONX	40 WEST TREMONT AVENUE	628 feet to the NE
194	2-605646	MOUNT HOPE RESIDENCE LLC	14-16 MOUNT HOPE PLACE	651 feet to the SE
195	NY01152	A TURCO & V MILANO	14 MOUNT HOPE PL	651 feet to the SE

Hazardous Waste Generators, Transporters -- Total Sites - 8 **Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent**

MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
196	NYP000934590	BELL ATLANTIC-NY	MT HOPE/JEROME AVE	447 feet to the ESE
197	NYR000092353	NYCDEP - SHAFT 6B	TREMONT & HARRISON AVES	464 feet to the W
198	NYP000942391	BELL ATLANTIC-NY	SW 177TH & JEROME AVE MANHOLE	495 feet to the E
199	NYP000942409	BELL ATLANTIC-NY	SE 177TH & JEROME MANHOLE	527 feet to the E
200	NYP004145322	CONSOLIDATED EDISON	WEST TREMONT AVE & KINGSLAND PL	529 feet to the NNE
201	NYP010000016	NYCDEP	PROTECTION JEROME AVE & 176TH	570 feet to the SSE
202	NYP004076436	CONSOLIDATED EDISON	MH16899 176 ST & JEROME AVE	570 feet to the SSE
203	NYR000000679	NYCTA	JEROME AVE LINE 176TH ST STA	570 feet to the SSE

Identified Toxic Sites by Proximity

60 W 177th Street & 92 West Tremont Ave, Bronx, NY 10453

* Compass directions can vary substantially for sites located very close to the subject property address.

Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
165	1815 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	110 feet to the SSE*	Petroleum Bulk Storage Site
166	1821 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	117 feet to the ESE*	Petroleum Bulk Storage Site
167	MOUNT HOPE HOUSING CO.	1821 DAVIDSON AVE	117 feet to the ESE*	Petroleum Bulk Storage Site
136	RESIDENCE	1750 GRAND AVE	165 feet to the SW*	Closed Status Spill (Misc. Spill Cause)
168	1750 REALTY CORPORATION	1750 GRAND AVENUE	165 feet to the SW*	Petroleum Bulk Storage Site
137	MANHOLE 14272	105-107 WEST TREMONT AV	192 feet to the WNW*	Closed Status Spill (Misc. Spill Cause)
138	125 W. TREMONT AVE	125 W. TREMONT AVE	260 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
139	125 WEST TREMONT AVE.	125 WEST TREMONT AVE	260 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
140	125 WEST TREMONT ST	125 W TREMONT ST	260 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
169	WEST TREMONT AVENUE REALTY ASSOC. L.P.	125 W TREMONT AVENUE	260 feet to the WNW	Petroleum Bulk Storage Site
141	APT. BUILDING	1822 DAVIDSON AVE	269 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
170	1822 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC	269 feet to the ESE	Petroleum Bulk Storage Site
171	MT HOPE HOUSING CO	1822 DAVIDSON AVE	269 feet to the ESE	Petroleum Bulk Storage Site
172	1789 DAVIDSON AVE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC	284 feet to the SSW	Petroleum Bulk Storage Site
173	NYC-RM 208	1789 DAVIDSON AVE	284 feet to the SSW	Petroleum Bulk Storage Site
174	1800 DAVIDSON AVENUE SIP HDFC	C/O MOUNT HOPE HOUSING CO. INC.	325 feet to the SSE	Petroleum Bulk Storage Site
175	SYCAMORE ROW LLC	1740 GRAND AVENUE	333 feet to the SSW	Petroleum Bulk Storage Site
176	1820 HARRISON REALTY L.L.C.	1820 HARRISON AV	347 feet to the NW	Petroleum Bulk Storage Site
177	DIV OF REAL PROPERTIES	1739 GRAND AVE	349 feet to the WSW	Petroleum Bulk Storage Site
178	1812 HARRISON AVENUE	1812 HARRISON AVENUE	361 feet to the WNW	Petroleum Bulk Storage Site
142	COMMERCIAL	1829 JEROME AVE	368 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
179	1804 HARRISON AVENUE	1804 HARRISON AVENUE	377 feet to the W	Petroleum Bulk Storage Site
180	BO MAY REALTY CORP	1804 HARRISON AVE	377 feet to the W	Petroleum Bulk Storage Site
181	A DAVIDSON	1775 DAVIDSON AVE	389 feet to the SSW	Petroleum Bulk Storage Site
182	1730 HARRISON AVENUE	1730 HARRISON AVENUE	425 feet to the WSW	Petroleum Bulk Storage Site
143		62-66 W. TREMONT AVE	439 feet to the NNE	Closed Status Spill (Misc. Spill Cause)
183	62-66 WEST TREMONT AVE.	62-66 WEST TREMONT AVE.	439 feet to the NNE	Petroleum Bulk Storage Site
184	62-66 W TREMONT AV.	62 W TREMONT AVE	439 feet to the NNE	Petroleum Bulk Storage Site
196	BELL ATLANTIC-NY	MT HOPE/JEROME AVE	447 feet to the ESE	Hazardous Waste Generator/Transporter
197	NYCDEP - SHAFT 6B	TREMONT & HARRISON AVES	464 feet to the W	Hazardous Waste Generator/Transporter
185	1721 GRAND AVE	1721 GRAND AVE	470 feet to the SW	Petroleum Bulk Storage Site
144	HAROLD DIAMOND APTS	1721 GRAND AV	472 feet to the SW	Closed Status Spill (Misc. Spill Cause)
186	EVA H THOMPSON	1854 HARRISON AVE	478 feet to the N	Petroleum Bulk Storage Site
198	BELL ATLANTIC-NY	SW 177TH & JEROME AVE MANHOLE	495 feet to the E	Hazardous Waste Generator/Transporter
39	1765 DAVISON AVE	1765 DAVISON AVE	507 feet to the SSW	Closed Status Spill (Unk/Other Cause)
187	1765-1767 DAVIDSON AVENUE	1765-1767 DAVIDSON AVENUE	507 feet to the SSW	Petroleum Bulk Storage Site
40	MANHOLE #3888926	177TH ST & JEROME AVE	509 feet to the E	Closed Status Spill (Unk/Other Cause)
145	E177TH STREET & JEROME AV	E177TH STREET & JEROME AV	509 feet to the E	Closed Status Spill (Misc. Spill Cause)
199	BELL ATLANTIC-NY	SE 177TH & JEROME MANHOLE	527 feet to the E	Hazardous Waste Generator/Transporter
188	1770 DAVIDSON AVENUE	1770 DAVIDSON AVENUE	528 feet to the S	Petroleum Bulk Storage Site
200	CONSOLIDATED EDISON	WEST TREMONT AVE & KINGSLAND PL	529 feet to the NNE	Hazardous Waste Generator/Transporter
189	1718 GRAND AVE	1718 GRAND AVE.	538 feet to the SSW	Petroleum Bulk Storage Site
190	RICH REALTY CO	1718 GRAND AVE	538 feet to the SSW	Petroleum Bulk Storage Site
146	CONED VEHICLE #607447	1876 JEROME AVE	546 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
41	SERVICE BOX 16900	JEROME AVE/WEST 176 ST	570 feet to the SSE	Closed Status Spill (Unk/Other Cause)

147	E. 176TH ST & JEROME AVE	E. 176TH ST & JEROME AVE	570 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
148	MANHOLE #16889	EAST 176TH/JEROME AVE	570 feet to the SSE	Closed Status Spill (Misc. Spill Cause)
201	NYCDEP	PROTECTION JEROME AVE & 176TH	570 feet to the SSE	Hazardous Waste Generator/Transporter
202	CONSOLIDATED EDISON	MH16899 176 ST & JEROME AVE	570 feet to the SSE	Hazardous Waste Generator/Transporter
203	NYCTA	JEROME AVE LINE 176TH ST STA	570 feet to the SSE	Hazardous Waste Generator/Transporter
149	1868 HARRISON AVENUE	1868 HARRISON AVENUE	575 feet to the N	Closed Status Spill (Misc. Spill Cause)
191	UNIT AUTO REPAIR (FAUSTO FIGUEROA)	8 EAST 177TH STREET	585 feet to the E	Petroleum Bulk Storage Site
150	APT BLDG	1731 HARRISON AVE	603 feet to the W	Closed Status Spill (Misc. Spill Cause)
192	1700 HARRISON AVENUE	1700 HARRISON AVENUE	625 feet to the SW	Petroleum Bulk Storage Site
193	INTERMEDIATE SCHOOL 306 - BRONX	40 WEST TREMONT AVENUE	628 feet to the NE	Petroleum Bulk Storage Site
194	MOUNT HOPE RESIDENCE LLC	14-16 MOUNT HOPE PLACE	651 feet to the SE	Petroleum Bulk Storage Site
195	A TURCO & V MILANO	14 MOUNT HOPE PL	651 feet to the SE	Petroleum Bulk Storage Site
42	27 MOUNT HOPE PL	27 MOUNT HOPE PL	714 feet to the ESE	Closed Status Spill (Unk/Other Cause)
43	SERVICE BOX 16891	1745 JEROME AVE	821 feet to the S	Closed Status Spill (Unk/Other Cause)
44	SERVICE BOX 11844	1839 UNIVERSITY AVE	855 feet to the NW	Closed Status Spill (Unk/Other Cause)
45	THREE GAL ANTIFREEZE IN SB 9677	WALTON AVENUE & MT. HOPE PLACE	915 feet to the ESE	Closed Status Spill (Unk/Other Cause)
46		1791 WALTON AVE	956 feet to the SE	Closed Status Spill (Unk/Other Cause)
27	SHIELD SCHOOL	ANDREWS AV	958 feet to the WNW	Closed Status Tank Test Failure
28	1800 ANDREWS AV/BX/SHIELD	1800 ANDREWS AVE	958 feet to the WNW	Closed Status Tank Test Failure
47	SERVICE BOX 16890	1709 JEROME AVE	981 feet to the S	Closed Status Spill (Unk/Other Cause)
48	BP AMACO	1740 JEROME AVE	984 feet to the S	Closed Status Spill (Unk/Other Cause)
18	MOUNT HOPE HOUSING COMPANY	55 EAST 175TH STREET	1034 feet to the SSE	Closed Status Tank Failure
7	APARTMENT BUILDING	60 EAST 177TH ST	1041 feet to the E	Active Haz Spill (Unknown/Other Cause)
49	MANHOLE # 18889	E TREMONT AV & DROME AVE	1100 feet to the NE	Closed Status Spill (Unk/Other Cause)
50	NANHOLE #18889	E TREMONT/JEROME AVE	1100 feet to the NE	Closed Status Spill (Unk/Other Cause)
51	SERVICE BOX 18893	JEROME AVE/E TREMONT AVE	1100 feet to the NE	Closed Status Spill (Unk/Other Cause)
52	MANHOLE 18890	JEROME AVE AT W TREMONT	1100 feet to the NE	Closed Status Spill (Unk/Other Cause)
29	1985 DAVIDSON AVENUE	1985 DAVIDSON AVENUE	1105 feet to the NE	Closed Status Tank Test Failure
4	MOBIL SERVICE STATION	1764 UNIVERSITY AV	1144 feet to the WSW	Active Tank Test Failure
30	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	1144 feet to the WSW	Closed Status Tank Test Failure
53	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	1144 feet to the WSW	Closed Status Spill (Unk/Other Cause)
54	EXXON MOBIL # 17-KPY	1764 UNIVERSITY AVE	1144 feet to the WSW	Closed Status Spill (Unk/Other Cause)
55	1764 UNIVERSITY AVE	1764 UNIVERSITY AVE	1144 feet to the WSW	Closed Status Spill (Unk/Other Cause)
56	MANHOLE #16889	1705 JERONE AV	1146 feet to the S	Closed Status Spill (Unk/Other Cause)
57	22-20 E TREMONT AVE	22-20 E. TREMONT AVE.	1150 feet to the ENE	Closed Status Spill (Unk/Other Cause)
151	22 EAST TREMONT ST/BX	22 EAST TREMONT ST	1150 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
58	SERVICE BOX #9515	110 E. 176TH ST	1176 feet to the SE	Closed Status Spill (Unk/Other Cause)
31	R. G. ORTIZ FUNERAL HOME	60 EAST TREMONT AVE	1208 feet to the ENE	Closed Status Tank Test Failure
59	JUNIOR HIGH SCHOOL 117	1865 MORRIS AVE	1213 feet to the ESE	Closed Status Spill (Unk/Other Cause)
60	JUNIOR HIGH SCHOOL 117	1865 MORRIS AVENUE	1213 feet to the ESE	Closed Status Spill (Unk/Other Cause)
61	MANHOLE 9688	WALTON AVE & E TREMONT	1213 feet to the ENE	Closed Status Spill (Unk/Other Cause)
8	FORMER RESIDENCE	1752 WALTON AVE	1259 feet to the SSE	Active Haz Spill (Unknown/Other Cause)
5	RENTAL MANAGEMENT ASSOCIA	1890 ANDREWS AVE	1264 feet to the NNW	Active Tank Test Failure
62	SERVICE BOX 16884	JEROME AV & CLIFFORD PL	1289 feet to the S	Closed Status Spill (Unk/Other Cause)
63	SERVICE BOX 16884	WEST SIDE OF JERONE AVE	1289 feet to the S	Closed Status Spill (Unk/Other Cause)
64	SERVICE BOX 16884	JEROME AVE AT CLIFFORD RD	1289 feet to the S	Closed Status Spill (Unk/Other Cause)
65	EMPTY LOT	NELSON AVE 1700 BLOCK	1393 feet to the WSW	Closed Status Spill (Unk/Other Cause)
32	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	1403 feet to the SSE	Closed Status Tank Test Failure
66	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	1403 feet to the SSE	Closed Status Spill (Unk/Other Cause)
19	RE-MO HOLDING CORP	110 EAST 177TH ST	1407 feet to the E	Closed Status Tank Failure
152	COLISEUM DEPOT	110 E. 177TH STR	1407 feet to the E	Closed Status Spill (Misc. Spill Cause)
20		1777 GRAND CONCORSE	1410 feet to the SE	Closed Status Tank Failure
153	APARTMNET BUILDING	1777 GRAND CONCOURSE/175ST	1410 feet to the SE	Closed Status Spill (Misc. Spill Cause)

67	MANHOLE 403	DAVIDSON AV/174TH ST	1422 feet to the SSW	Closed Status Spill (Unk/Other Cause)
68	200 WEST TREMONT AVE	200 WEST TREMONT AVE	1435 feet to the WNW	Closed Status Spill (Unk/Other Cause)
9	FORMER GAS STATION	1990 JEROME AVE	1445 feet to the NE	Active Haz Spill (Unknown/Other Cause)
69	VACANT LOT	1640 MACOMBS ROAD	1454 feet to the SW	Closed Status Spill (Unk/Other Cause)
70	1640 MACOMBS RD	1640 MACOMBS ROAD	1454 feet to the SW	Closed Status Spill (Unk/Other Cause)
71	MANHOLE 23888	101 EAST TREMONT AVE	1456 feet to the ENE	Closed Status Spill (Unk/Other Cause)
72	205175; E179 ST 67‘ E/O JEROME AVE	E179 ST 67‘ E/O JEROME AVE	1462 feet to the NE	Closed Status Spill (Unk/Other Cause)
21	ST MARGARET MARY RECTORY	1914 MORRIS AVE	1465 feet to the E	Closed Status Tank Failure
73	GAS STATION	20 EAST 179TH STREET	1467 feet to the ENE	Closed Status Spill (Unk/Other Cause)
74	SERVICE BOX #11854	1966 UNIVERSITY AVE	1497 feet to the N	Closed Status Spill (Unk/Other Cause)
75	BETW CLIFFORD & E 175 ST	1749 GRAND CONCOURSE	1531 feet to the SSE	Closed Status Spill (Unk/Other Cause)
76	SERVICE BOX 11854	1970 UNIVERSITY AVE	1532 feet to the N	Closed Status Spill (Unk/Other Cause)
77	MANHOLE 23857	BURNSIDE AV/LORING PL	1532 feet to the NNW	Closed Status Spill (Unk/Other Cause)
78	MANHOLE #23859	W BURNSIDE AV/UNIVERSITY	1536 feet to the N	Closed Status Spill (Unk/Other Cause)
79	MANHOLE #1966	UNIVERSTY AV/W BURNSIDE	1536 feet to the N	Closed Status Spill (Unk/Other Cause)
80	MANHOLE #11854	IFO 1966 UNIVERSITY AVE	1539 feet to the N	Closed Status Spill (Unk/Other Cause)
22	1840 PHELAM PL/BX	1840 PHELAM PLACE	1548 feet to the NW	Closed Status Tank Failure
81	SUNOCO	1657 JEROME AVE	1624 feet to the SSW	Closed Status Spill (Unk/Other Cause)
82	SUNOCO STATION 0007583196	1657 JEROME AVE.	1624 feet to the SSW	Closed Status Spill (Unk/Other Cause)
83	APARTMENT BUILDING	1695 GRAND CONCOURSE	1645 feet to the SSE	Closed Status Spill (Unk/Other Cause)
84	MANHOLE #TM-422	ANDREWS AVE/WEST 176TH ST	1655 feet to the W	Closed Status Spill (Unk/Other Cause)
85	INTERSECTION OF	DAVIDSON STREET AND BURNSIDE AVE	1751 feet to the NE	Closed Status Spill (Unk/Other Cause)
86	ROADWAY	UNIVERSITY AVE & BRANT PL	1760 feet to the WSW	Closed Status Spill (Unk/Other Cause)
87	MH 21816	UNIVERSITY AVE/E179TH ST	1764 feet to the N	Closed Status Spill (Unk/Other Cause)
88	VAULT 3161	37 BURNSIDE AV	1781 feet to the NNE	Closed Status Spill (Unk/Other Cause)
89	101 E 179 ST & MORRIS AVE	101 E 179TH ST & MORRIS	1799 feet to the ENE	Closed Status Spill (Unk/Other Cause)
90	MANHOLE 23890	EAST TREEMONT/GRAND CONCO	1809 feet to the E	Closed Status Spill (Unk/Other Cause)
91	1710 MONTGOMERY AVE	1710 MONTGOMERY AVE	1815 feet to the W	Closed Status Spill (Unk/Other Cause)
92	CROSSBRONX EXPRESSWAY	@JEROME AVE	1844 feet to the SSW	Closed Status Spill (Unk/Other Cause)
93	JEROME AVENUE	CROSS BRONX EXPRESSWAY	1844 feet to the SSW	Closed Status Spill (Unk/Other Cause)
154	TRAFFIC ACCIDENT	WB X BRONX XPRSWY/JEROME	1844 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
155	CROSS BRONX EXPRESSWAY EB	AT JEROME AVE	1844 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
156	CROSS BRONX X-PRESSWAY/JE	CROSS BRONX X-WAY/JEROME	1844 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
157	TRAFFIC ACCIDENT	CROSS BRONX EX / JEROME A	1844 feet to the SSW	Closed Status Spill (Misc. Spill Cause)
158	WEST TREMONT	228 WEST TREMONT AVE	1868 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
159	SEDGEWICK AVE P.U.R.S.	SEDGWICK AVE/WEST TREMONT	1893 feet to the WNW	Closed Status Spill (Misc. Spill Cause)
94	UNIVERSITY AVE. CONSOL.	1665 ANDREWS AVENUE	1911 feet to the WSW	Closed Status Spill (Unk/Other Cause)
160		2050 DAVIDSON AVE	1911 feet to the NE	Closed Status Spill (Misc. Spill Cause)
95		1883 BILLINGSLEY TERR	1938 feet to the NW	Closed Status Spill (Unk/Other Cause)
96	APARTMENT	1955 GRAND CONCOURSE	1944 feet to the E	Closed Status Spill (Unk/Other Cause)
97		1790 WEEKS AVE &175TH	1954 feet to the SE	Closed Status Spill (Unk/Other Cause)
98		BURNSIDE AV/JEROME AVE	1971 feet to the NE	Closed Status Spill (Unk/Other Cause)
99	MANHOLE #12683	E174TH ST/SELWYN AV	1989 feet to the SSE	Closed Status Spill (Unk/Other Cause)
23	1916 GRAND CONCOURSE/BX	1916 GRAND CONCOURSE	2019 feet to the E	Closed Status Tank Failure
33	PS 104 ANNEX BLDG	108 WEST 174	2024 feet to the SW	Closed Status Tank Test Failure
10	CHRISTIE RESIDENCE	145 W.179TH ST	2056 feet to the N	Active Haz Spill (Unknown/Other Cause)
100		145 WEST 179TH ST	2056 feet to the N	Closed Status Spill (Unk/Other Cause)
101	MANHOLE PM499	MONROE AVE/EAST 175TH ST	2059 feet to the SE	Closed Status Spill (Unk/Other Cause)
102	217 EASTMONT AV/BX	217 EASTMONT AVENUE	2084 feet to the E	Closed Status Spill (Unk/Other Cause)
11	SEDGWICK AVE PURS	1823 SEDGWICK AVE	2090 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
12	SEDGWICK AVE PURS	1823 SEDGWICK AVE	2090 feet to the WNW	Active Haz Spill (Unknown/Other Cause)
16	SEDGWICK AVE PURS	SEDGWICK AVE	2090 feet to the WNW	Active Haz Spill (Misc. Spill Cause)
103	STREET	MORRIS AVE/ E. 174TH ST	2095 feet to the SSE	Closed Status Spill (Unk/Other Cause)

104	SB 15081	IFO 1967 GRAND CONCOURSE	2101 feet to the E	Closed Status Spill (Unk/Other Cause)
105	RESIDENCE	1764 WEEKS AVE	2104 feet to the SE	Closed Status Spill (Unk/Other Cause)
106	MANHOLE 23731	UNIVERSITY AVE/W 180TH ST	2136 feet to the NNE	Closed Status Spill (Unk/Other Cause)
107	SERVICE BOX # 9123	EAST 176TH/TOPPING AVE	2144 feet to the ESE	Closed Status Spill (Unk/Other Cause)
108	VAULT #12005	180 STREET & ANDREW AVENUE	2165 feet to the N	Closed Status Spill (Unk/Other Cause)
109	VAULT # VO1146	WEST 180TH/ANDREWS AVE ST	2165 feet to the N	Closed Status Spill (Unk/Other Cause)
110	JEROME AV @ EDEN AV	JEROME AV @ EDEN AV	2180 feet to the SSW	Closed Status Spill (Unk/Other Cause)
111	BASEMENT	1761 UNDERCLIFF AVE	2230 feet to the WNW	Closed Status Spill (Unk/Other Cause)
161		2043 CRESTONE AVE	2241 feet to the ENE	Closed Status Spill (Misc. Spill Cause)
112	VACANT BUILDING	1854 CEDAR AVE	2244 feet to the NW	Closed Status Spill (Unk/Other Cause)
24	2084 GRAND AVE/BX	2084 GRAND AVENUE	2252 feet to the NNE	Closed Status Tank Failure
113	2084 GRAND AVENUE	2084 GRAND AVENUE	2252 feet to the NNE	Closed Status Spill (Unk/Other Cause)
114	2084 GRAND AVENUE	2084 GRAND AVENUE	2252 feet to the NNE	Closed Status Spill (Unk/Other Cause)
13	APARTMENT BUILDING	2071 WALTON AVE	2295 feet to the NE	Active Haz Spill (Unknown/Other Cause)
115	MANHOLE 29558	CEDAR AVE/W TREMONT AVE	2298 feet to the WNW	Closed Status Spill (Unk/Other Cause)
116	IN MANHOLE	CEDAR AVE / TREMONT AVE	2298 feet to the WNW	Closed Status Spill (Unk/Other Cause)
117	MANHOLE #20256	W. 175TH ST & MONTGOMRY	2309 feet to the WSW	Closed Status Spill (Unk/Other Cause)
162	CROSS BRONX EXPWY/WEEKS	AT WEEKS AVE	2311 feet to the SE	Closed Status Spill (Misc. Spill Cause)
34	ST THOMAS LUTHERAN CHURCH	222 E 178TH ST	2313 feet to the E	Closed Status Tank Test Failure
118	OIL IN DUCT AT MANHOLE # 9647	EAST WALTON AVE & MOUNT EDEN AVE	2349 feet to the S	Closed Status Spill (Unk/Other Cause)
3	UNKNOWN	173RD ST. & SELWYN AVE.	2352 feet to the SSE	Solid Waste Facility
119	#6 IN MNHLE-173 ST & SEL	173 ST & SELWYN AVE.	2352 feet to the SSE	Closed Status Spill (Unk/Other Cause)
120	MANHOLE #23914	CRESTON AV & BURNSIDE AV	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
121	MANHOLE 23915	CRESENT AV/BURNSIDE AV	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
122	MANHOLE - # 23915	CRESTON AV & E BERNSIDE A	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
123	MAN HOLE # 2531	EASTBURNSIDE AV/CRESTON A	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
124	MAN HOLE # 23914	CRESTON AVE/BURNSIDE AV	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
125	MANHOLE 2531	CRESTON AV/E BURNSIDE AV	2354 feet to the ENE	Closed Status Spill (Unk/Other Cause)
6	BRONX HOSPITAL - TTF	1650 GRAND CONCOURSE	2398 feet to the S	Active Tank Test Failure
126	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	2398 feet to the S	Closed Status Spill (Unk/Other Cause)
127	BRONX LEBANON HOSPITAL	1650 GRAND CONCORSE	2398 feet to the S	Closed Status Spill (Unk/Other Cause)
163	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	2398 feet to the S	Closed Status Spill (Misc. Spill Cause)
128		2055 CRESTON AVE	2418 feet to the ENE	Closed Status Spill (Unk/Other Cause)
129	ONE PINT OIL IN VAULT # 4116	1750 SEDGWICK AVENUE	2461 feet to the W	Closed Status Spill (Unk/Other Cause)
35	CLOSED-LACKOF RECENT INFO	221 E. 173RD ST	2479 feet to the SSE	Closed Status Tank Test Failure
130	W. 179TH ST & CEDAR AVE	W. 179TH ST & CEDAR AVE	2494 feet to the NNW	Closed Status Spill (Unk/Other Cause)
131		2065 CRESTON AVE	2498 feet to the ENE	Closed Status Spill (Unk/Other Cause)
132	1775 CLAY AVE	1775 CLAY AV	2501 feet to the ESE	Closed Status Spill (Unk/Other Cause)
36	JONAS BRONCK HOUSING	230 EAST 179TH STREET	2512 feet to the E	Closed Status Tank Test Failure
37	CLOSED-LACKOF RECENT INFO	230 EAST 179TH ST	2512 feet to the E	Closed Status Tank Test Failure
38	CLOSED-LACKOF RECENT INFO	230 EAST 179TH ST	2512 feet to the E	Closed Status Tank Test Failure
133		174 UNIVERSITY AVE	2513 feet to the WSW	Closed Status Spill (Unk/Other Cause)
25	MAJOR DEEGAN EXPRESSWAY	MAJOR DEEGAN EXPRESSWAY	2615 feet to the NNW	Closed Status Tank Failure
164	WEST 179 ST/DEEGAN EXPRES	WEST 179 ST/DEEGAN EXPRES	2615 feet to the NNW	Closed Status Spill (Misc. Spill Cause)
17	XFMR IN VAULT #2385 LEAKED 400 GAL	EAST 176 STREET & ANTHONY AVENUE	2617 feet to the ESE	Active Haz Spill (Misc. Spill Cause)
134	1972,74 CEDAR AVENUE. / B	1972,74 CEDAR AVENUE.	2620 feet to the NNW	Closed Status Spill (Unk/Other Cause)
14	NYCSCA - NEW SCHOOL SITE	1526-1532 JEROME AVE	2623 feet to the SSW	Active Haz Spill (Unknown/Other Cause)
15	VAULT VS325 HAS THREE QTS OIL.	PROSPECT PLACE & CLAY AVENUE	2629 feet to the SE	Active Haz Spill (Unknown/Other Cause)
135	FUEL OIL FOUND IN SUMP PIT - 1 GALLON	PROSPECT PLACE & CLAY AVENUE	2629 feet to the SE	Closed Status Spill (Unk/Other Cause)
26	CUNY- BRONX COLLEGE	WEST 181 STREET/UNIVERSIT	2639 feet to the N	Closed Status Tank Failure
1	1296 SHERIDAN AVENUE	1296 SHERIDAN AVENUE	5126 feet to the S	NYSDEC Inactive Haz Waste Disposal Site
2	1296 SHERIDAN AVE	231 E 169TH ST	5126 feet to the S	NYSDEC Inactive Haz Waste Registry Qual.

Toxics Targeting
1 Mile Radius Map

60 W 177th Street & 92 West Tremont Ave
Bronx, NY 10453

Elevation above Sea Level: 88 feet

1 0 1/8 1/4 1/2 1

Distance in Miles

N
W E
S

Bronx County

National Priority List (NPL)

Inactive Hazardous Waste Disposal Registry Site

Inact. Haz Waste Disp. Registry Qualifying

RCRA Corrective Action Facility

Site Location

Waterbody

County Border

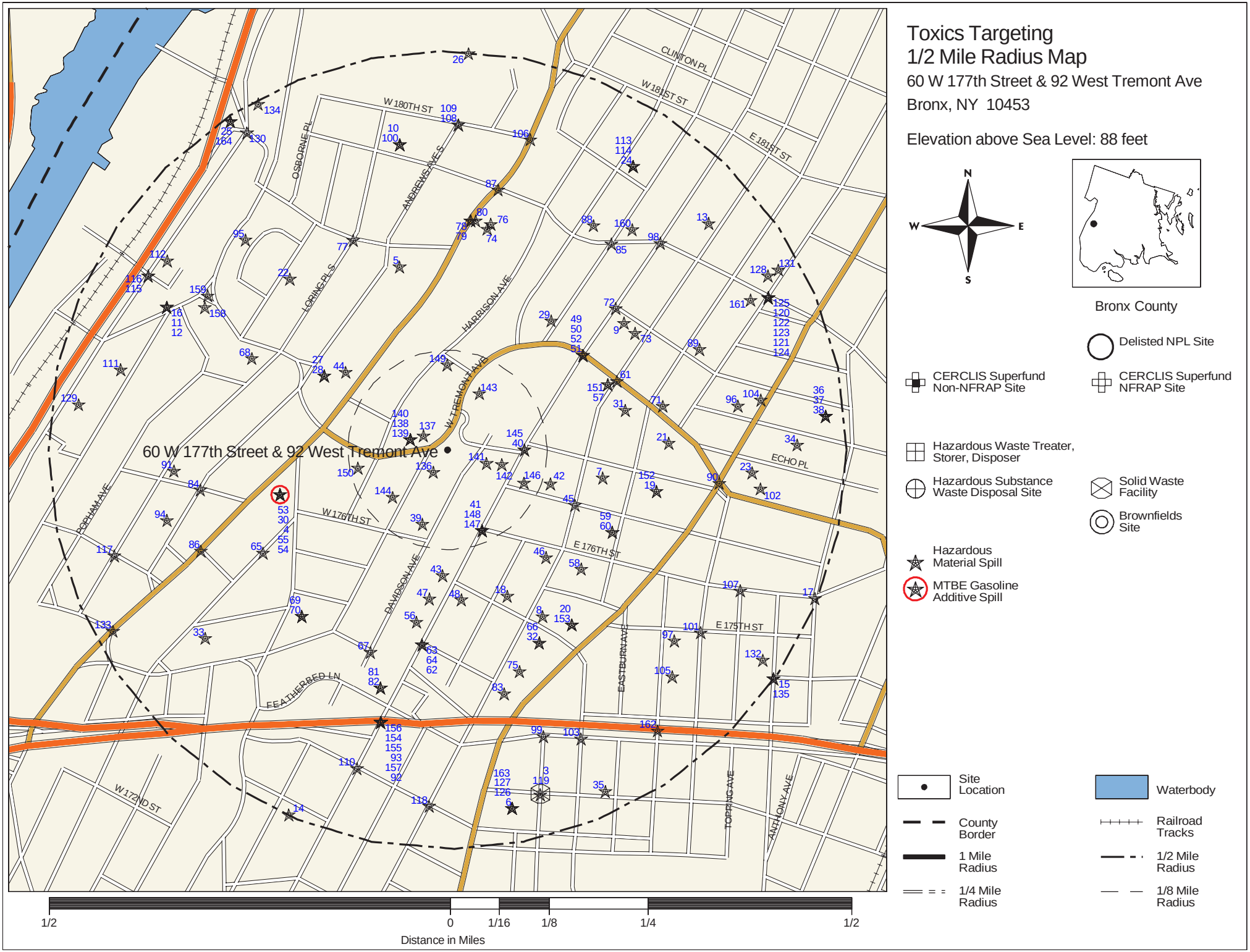
Railroad Tracks

1 Mile Radius

1/2 Mile Radius

1/4 Mile Radius

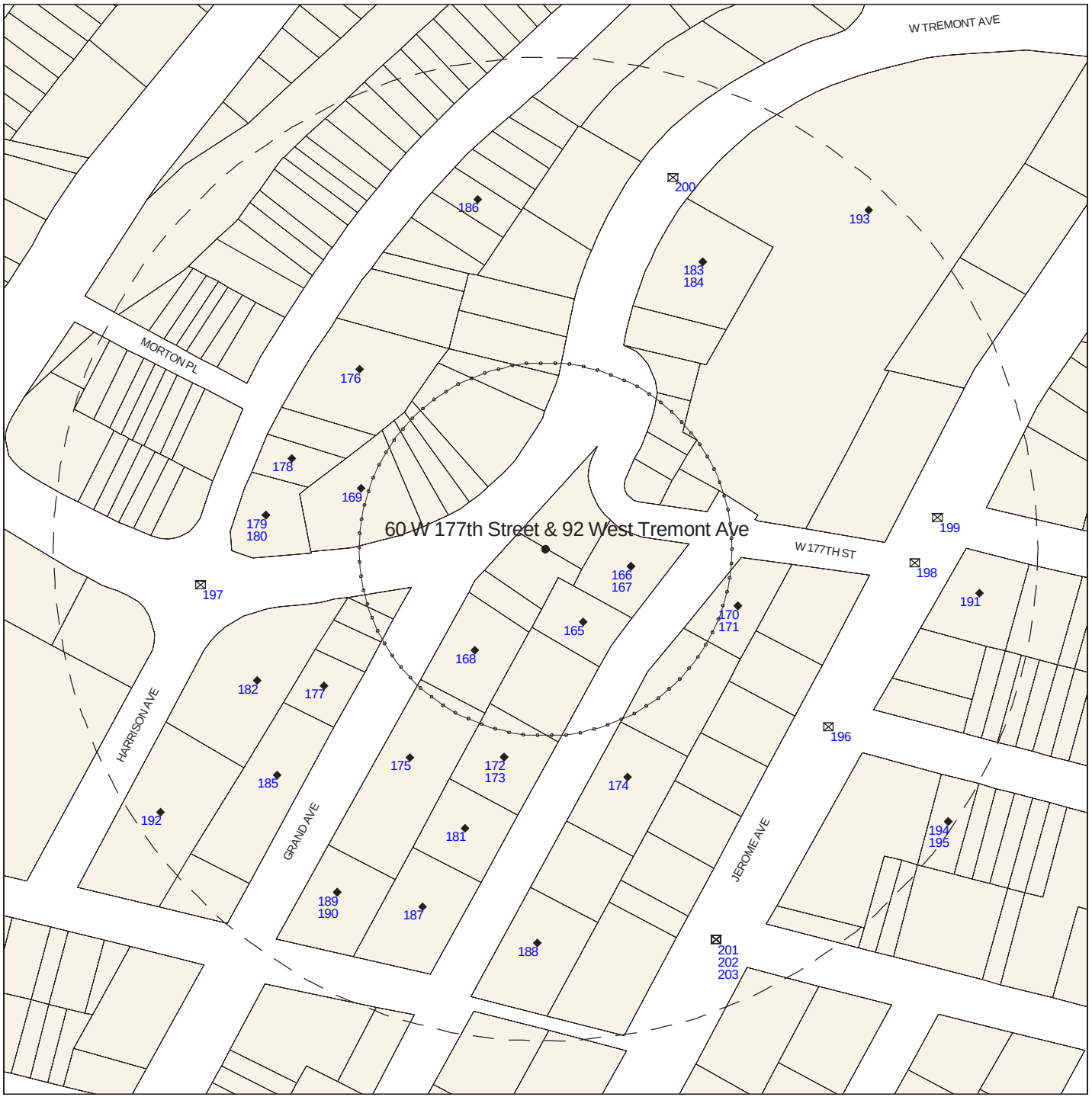
1/8 Mile Radius


Toxics Targeting
1/2 Mile Radius Map
60 W 177th Street & 92 West Tremont Ave
Bronx, NY 10453
Elevation above Sea Level: 88 feet
N
W
E
S
Bronx County
60 W 177th Street & 92 West Tremont Ave
W 180TH ST
W 181ST ST
CLINTON PL
E 181ST ST
OSBORNE PL
ANDREWS AVE S
LORING PL S
HARRISON AVE
W TREMONT AVE
ECHO PL
W 176TH ST
E 176TH ST
E 175TH ST
POPHAM AVE
DAVIDSON AVE
EASTBURN AVE
FEATHERBED LN
W 172ND ST
TOPPING AVE
ANTHONY AVE
Delisted NPL Site
CERCLIS Superfund Non-NFRAP Site
CERCLIS Superfund NFRAP Site
Hazardous Waste Treater, Storer, Disposer
Hazardous Substance Waste Disposal Site
Solid Waste Facility
Brownfields Site
Hazardous Material Spill
MTBE Gasoline Additive Spill
Site Location
Waterbody
County Border
Railroad Tracks
1 Mile Radius
1/2 Mile Radius
1/4 Mile Radius
1/8 Mile Radius
1/2
0
1/16
1/8
1/4
1/2
Distance in Miles

Toxics Targeting
1/8 Mile Radius Map

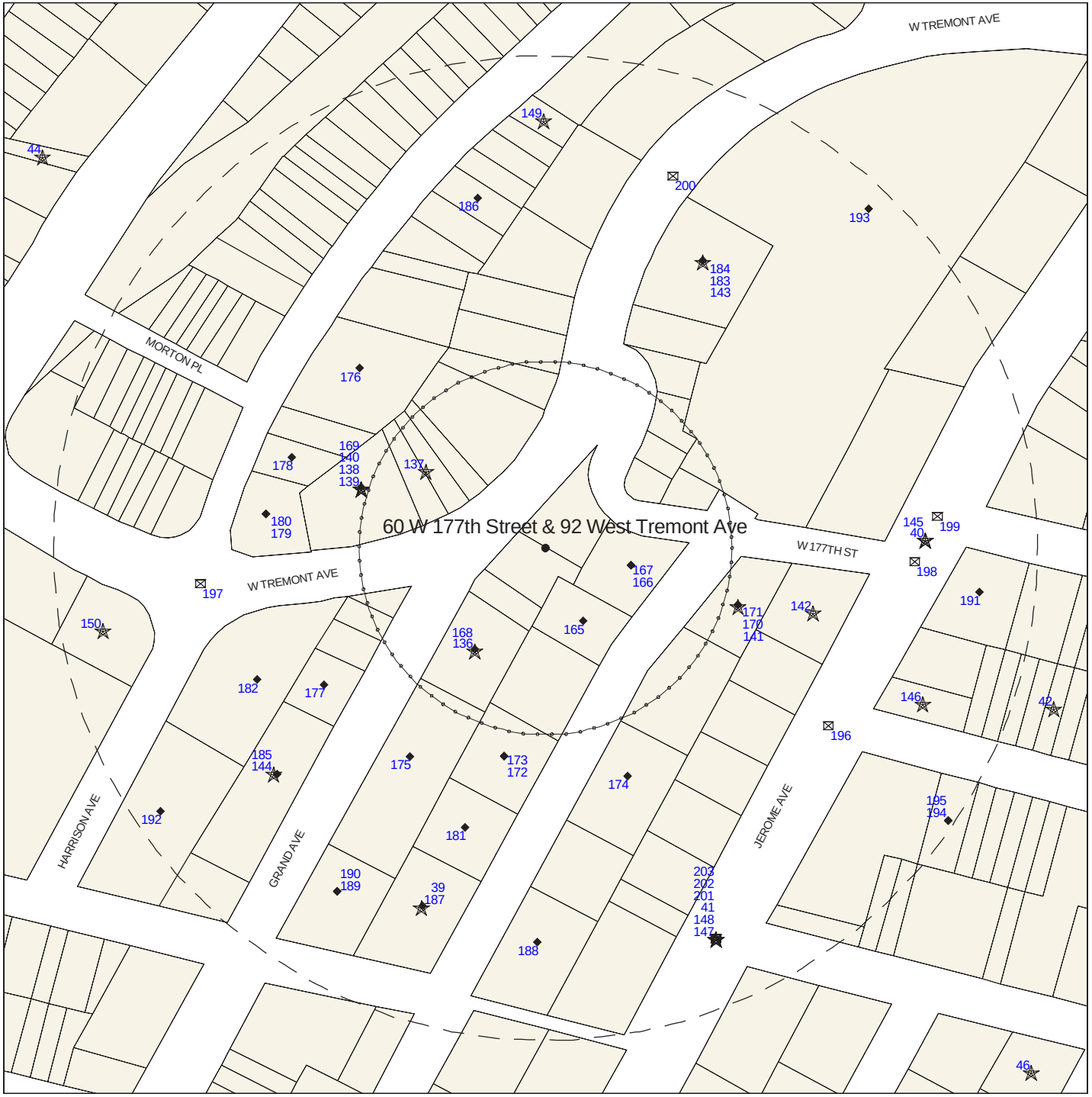
60 W 177th Street & 92 West Tremont Ave
Bronx, NY 10453

Elevation above Sea Level: 88 feet



Bronx County

- Major Oil Storage Facility
- Chemical Storage Facility
- Toxic Release
- Wastewater Discharge
- Hazardous Waste Generator, Transp.
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Petroleum Bulk Storage Facility
- Historic Utility Site
- Site Location
- County Border
- 1/8 Mile Radius
- Waterbody
- Railroad Tracks
- 250 Foot Radius



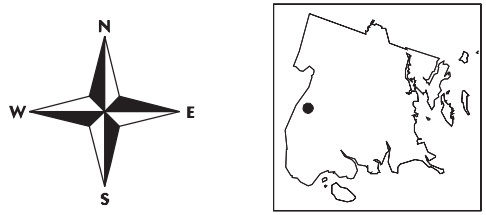
1/8 0 1/16 1/8

Distance in Miles

Toxics Targeting
1/8 Mile Closeup Map

60 W 177th Street & 92 West Tremont Ave
Bronx, NY 10453

Elevation above Sea Level: 88 feet



Bronx County

- National Priority List (NPL) *
- Delisted NPL Site **
- CERCLIS Superfund Non-NFRAP Site **
- CERCLIS Superfund NFRAP Site **
- Inactive Hazardous Waste Disposal Registry Site *
- Inact. Haz Waste Disp. Registry Qualifying *
- Hazardous Waste Treater, Storer, Disposer **
- RCRA Corrective Action Facility *
- Hazardous Substance Waste Disposal Site **
- Solid Waste Facility **
- Major Oil Storage Facility ****
- Brownfields Site **
- Chemical Storage Facility ****
- Hazardous Material Spill **
- Toxic Release ****
- MTBE Gasoline Additive Spill **
- Wastewater Discharge ****
- Petroleum Bulk Storage Facility ****
- Hazardous Waste Generator, Transp. ****
- Historic Utility Site ****
- Enforcement Docket Facility ****
- Air Release ****
- Env Qual Review E Designation *****
- Remediation Site Borders
- Site Location
- Waterbody
- County Border
- Railroad Tracks
- 1/8 Mile Radius
- 250 Foot Radius

* 1 Mile Search Radius
** 1/2 Mile Search Radius
**** 1/8 Mile Search Radius
***** Onsite Search (250 Ft)

Toxics Targeting
Tax Parcel Map

60 W 177th Street & 92 West Tremont Ave
Bronx, NY 10453

Elevation above Sea Level: 88 feet

Bronx County

- National Priority List (NPL)
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Inactive Hazardous Waste Disposal Registry Site
- Inact. Haz Waste Disp. Registry Qualifying
- Hazardous Waste Treater, Storer, Disposer
- RCRA Corrective Action Facility
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Major Oil Storage Facility
- Brownfields Site
- Chemical Storage Facility
- Hazardous Material Spill
- Toxic Release
- MTBE Gasoline Additive Spill
- Wastewater Discharge
- Petroleum Bulk Storage Facility
- Hazardous Waste Generator, Transp.
- Historic Utility Site
- Enforcement Docket Facility
- Air Release
- Env Qual Review E Designation
- Remediation Site Borders
- Site Location
- Waterbody
- County Border
- Railroad Tracks

Tax Parcel Information Table

60 W 177th Street & 92 West Tremont Ave
Bronx, NY 10453

Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
2-02867-0125	92 WEST TREMONT AVENUE	HOUSING PRESERVATION	R7-1	V0	0		2134	6467
2-02867-0128	WEST TREMONT AVENUE	HOUSING PRESERVATION	R7-1	V0	0		2880	7681

Other Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
2-02861-0123	1800 DAVIDSON AVENUE	HOUSING PRESERVATION	R7-1	D1	1	1927	1327500	15000
2-02861-0129	1818 DAVIDSON AVENUE	HUMAN RESOURCES ADMIN	R7-1	W9	1	1994	1210500	14475
2-02861-0135	1822 DAVIDSON AVENUE	HOUSING PRESERVATION	R7-1	C1	1	1927	535500	8233
2-02861-0145	1813 JEROME AVENUE	1813 JEROME INC	C8-3	K9	1	1925	159300	7500
2-02861-0148	1801 JEROME AVENUE	BERNARD MARIE JULIE	C8-3	K1	1	1925	124200	7500
2-02861-0151	1793 JEROME AVENUE	MORALES REALTY, LLC	C8-3	G7	0		34371	7500
2-02862-0001	35 WEST 177 STREET	'DOR''S CENTURY DWELLIN'	R7-1	C5	1	1915	96750	2424
2-02862-0002	37 WEST 177 STREET	'DOR''S CENTURY DWELLIN'	R7-1	C5	1	1915	96750	2259
2-02862-0003	43 WEST 177 STREET	GIBBS, ELIZABETH	R7-1	B1	1	1920	10263	3326
2-02862-0005	45 WEST 177 STREET	45 ASSOCIATES LLC	R7-1	I1	1	1915	139950	3611
2-02862-0006	74 WEST TREMONT AVENUE	BRONX REAL ESTATE SVC	R7-1	G7	0		24435	5814
2-02862-0014	50 WEST TREMONT AVENUE	BOARD OF EDUCATION	R7-1	W1	1	1991	11160000	81085
2-02862-0058	1903 DAVIDSON AVENUE	CLIVE KENNEDY	R7-1	C3	1	1908	20716	2520
2-02867-0070	1730 HARRISON AVENUE	HARRISON AFFORDABLE U	R7-1	C1	1	1927	823500	24047
2-02867-0082	1749 GRAND AVENUE	GERTIE PINCKNEY	R7-1	C0	1	1920	8276	2059
2-02867-0083	1745 GRAND AVENUE	RIVERA, ALBERTO JUAN	R7-1	A3	1	1920	7464	2414
2-02867-0084	1743 GRAND AVENUE	JOY FELLOWSHIP CHURCH	R7-1	A3	1	1920	7723	3304
2-02867-0086	1739 GRAND AVENUE	SIEITA GRANT	R7-1	C0	1	1920	20277	3633
2-02867-0108	1740 GRAND AVENUE	SYCAMORE ROW LLC C/O	R7-1	D1	1	1940	1026000	25016
2-02867-0118	1750 GRAND AVENUE	1750 REALTY CORP	R7-1	C1	1	1924	377100	11500
2-02867-0123	1760 GRAND AVENUE	PETER CAUDLE	R7-1	B1	1	1930	9331	3575
2-02867-0134	1821 DAVIDSON AVENUE	MT. HOPE HOUSING CO.	R7-1	C1	1	1923	643500	10700
2-02867-0139	1815 DAVIDSON AVENUE	MT. HOPE HOUSING CO.	R7-1	D1	1	1930	630000	8190
2-02867-0142	1801 DAVIDSON AVENUE	HUMAN RESOURCES ADMIN	R7-1	Q2	1	1999	36315	11242
2-02867-0147	1789 DAVIDSON AVENUE	MT. HOPE HOUSING CO.	R7-1	C1	1	1925	459000	11241
2-02869-0005	1812 HARRISON AVENUE	LEMLE & WOLFF	R7-1	C1	1	1916	161550	4066
2-02869-0007	1816 HARRISON AVENUE	J LAMB	R7-1	B2	1	1910	11193	4327
2-02869-0009	1820 HARRISON AVENUE	1820 HARRISON REALTY	R7-1	D1	1	1962	666000	19746
2-02869-0016	1840 HARRISON AVENUE	JOSE SEGURA	R7-1	B3	1	1910	9331	10362
2-02869-0043	WEST TREMONT AVENUE	75 W. TREMONT REALTY	R7-1	V1	0		33075	7276
2-02869-0045	85 WEST TREMONT AVENUE	75 W. TREMONT REALTY	R7-1	G7	0		30600	5614
2-02869-0047	91 WEST TREMONT AVENUE	JERICHO WEST TREMONT	R7-1	D1	1	2003	88650	19146
2-02869-0053	103 WEST TREMONT AVENUE	WILLIE BROADIE JR	R7-1	B3	1	1910	6375	4566
2-02869-0054	105 WEST TREMONT AVENUE	PHYLLIS J MARTIN	R7-1	A9	1	1910	6375	4566
2-02869-0056	107 WEST TREMONT AVENUE	ROYALTY REALTY, LLC	R7-1	A9	1	1910	8268	5188
2-02869-0058	109 WEST TREMONT AVENUE	WEST TREMONT AVENUE R	R7-1	D7	1	1941	580500	16000

Section Two: Toxic Site Profiles

The heading of each *Toxic Site Profile* refers to the site's map location and details:

- The facility name, address, city, state, and zip code.
- Any changes that were made to a site's address in order to map its location.
- The site mapping method that was used (see ***How Sites are Located***, at the end of this section for more information).

Toxic Site Profiles summarize information provided by site owners or operators and government agencies regarding various toxic chemical activities reported at each site, such as:

- Whether chemicals were stored, produced, transported, discharged or disposed of.
- The name of chemicals and their Chemical Abstract Series (CAS) numbers.
- The amount of chemicals and the units (gallons/pounds) the chemical was measured in.
- Whether the site or storage tanks at the site are currently active or inactive.
- Special codes used by government agencies to regulate hazardous waste activities at some sites, or a complete description of the codes follows the profiles section.

For selected individual chemicals reported at various toxic sites, some potential health effect summary information appears below the site profile. Each potential health effect summary identifies chemicals by name and by Chemical Abstract Series (CAS) Number. An "x" under each potential health effect heading indicates positive toxicity testing results reported by the National Institute of Occupational Safety and Health's Registry of Toxic Effects of Chemical Substances (RTECS). Some chemicals (mostly appearing in profiles of Hazardous Waste facilities), are reported as mixtures, and RTECS health effect information is only available for individual chemicals. In addition, RTECS only provides information on approximately 100,000 common chemicals. Consequently, the absence of potential health effect summary information for a particular chemical identified in a Toxic Site Profile does not necessarily mean that the chemical does not pose potential health effects.

The Maximum Contaminant Level (MCL) in drinking water allowed for selected chemicals is also noted. In most cases, the only applicable MCL has been set by the New York State Department of Health (NYSDOH). Where NYSDOH has not set an MCL, the federal standard, if one exists, is listed and is marked by an asterisk.

Presented below are column headings that describe the health effect definitions used in RTECS and applicable New York State and federal drinking water standards. Reference sources for information presented in this section are also provided.

ACUTE TOX: **Acute Toxicity**: Short-term exposure to this chemical can cause lethal and non-lethal toxicity effects not included in the following four categories.

TUMOR TOX: **Tumorigenic Toxicity**: The chemical can cause an increase in the incidence of tumors.

MUTAG TOX: **Mutagenic Toxicity**: The chemical can cause genetic alterations that are passed from one generation to the next.

REPRO TOX: **Reproductive Toxicity**: May signify one of the following effects: maternal effects, paternal effects, effects on fertility, effects on the embryo or fetus, specific developmental abnormalities, tumorigenic effects, or effects on the newborn (only positive reproductive effects data for mammalian species are referenced).

IRRIT TOX: **Primary Irritant**: The chemical can cause eye or skin irritation.

MCL: **Drinking Water Standard - Maximum Contaminant Level** (MCL) listed under Drinking Water Supplies, 10 NYCRR Part 5, Subparts 1.51(f),(g), and (h) for NYDOH MCL's and under the Safe Drinking Water Act, 40 CFR 141, Subparts B and G, (* indicates value for total trihalomethanes) for federal MCL's.

Reference Source for Toxicity Information: Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH (on-line database); For further information, contact: NIOSH, 4676 Columbia Parkway, Cincinnati, OH, 45226, 800/35-NIOSH.

Reference Source for Drinking Water Standards: New York State Department of Health, Bureau of Toxic Substances Assessment, 2 University Place, Room 240, Albany, NY 12203, 518/458-6373.

U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

Inactive Hazardous Waste Disposal Site Classifications:

1 -- Causing or presenting an imminent danger of causing irreversible or irreparable damage to the public health or the environment -- immediate action required;
2 -- Significant threat to the public health or environment -- action required;
3 -- Does not Present a significant threat to the environment or public health -- action may be deferred;
4 -- Site properly closed --requires continued management;
5 -- Site properly closed, no evidence of present or potential adverse impact -- no further action required;
2a -- This temporary classification has been assigned to sites where there is inadequate data to assign them to the five classifications specified by law;
A -- Work underway and not yet complete;
P -- Potential Site;
$D_{1, 2, 3}$ -- Delisted Site (1: hazardous waste not found; 2: remediated; 3: consolidated site or site incorrectly listed);
C -- Remediation Complete (formerly D2).

NO NATIONAL PRIORITIES LIST (NPL) SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

INACTIVE HAZ WASTE DISPOSAL REGISTRY OR REGISTRY-QUALIFYING SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 1 **1296 SHERIDAN AVENUE** **Facility Id: 203004**
1296 SHERIDAN AVENUE BRONX, NY 10456- TT-Id: 120A-0004-672

MAP LOCATION INFORMATION
Site location mapped by: MAP COORDINATE (1)
Approximate distance from property: 5126 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10456

Special Note: This site is one of 421 Inactive Hazardous Waste Disposal Sites that reportedly are being reinvestigated for chlorinated solvents that may pose soil gas vapor intrusion hazards. Prior to 2003, many of these sites were determined to be cleaned up or not to pose hazards.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

SITE CODE: 203004
CLASSIFICATION CODE: C REGION: 2 DEC ID: 57656
CLASSIFICATION CODE DESCRIPTION:
Remediation Complete (formerly D2). Sites may still require some degree of site management associated with either operation, maintenance, and monitoring or with institutional/engineering controls (IC/ECs).

NAME OF SITE: 1296 Sheridan Avenue
STREET ADDRESS: 1296 Sheridan Avenue TOWN: New York City
CITY: Bronx ZIP: 10456- COUNTY: Bronx

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE: 0.31 Acre

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER(S):
NAME: 1296 SHERIDAN ASSOCIATES, LP Owner Type: Innocent Owner NonRegistry-HazSubs

ADDRESS: 1296 SHERIDAN AVENUE
BRONX, NY 10456

SITE DESCRIPTION:
The site once housed a dry cleaning facility 20 x 40 feet in dimensions. The underlying soil was contaminated with the solvent perchloroethylene (PCE). Soil sampling indicated that most of this contamination existed in the shallow soils (two to six feet below ground surface)where concentrations of PCE were detected at a maximum of 21,000 ug/kg (ppb). TAGM 4046 exceedances were detected to as deep as 15' bgs and nine out of sixteen samples taken revealed such exceedances.

A Soil Vapor Extraction System was installed and put in operation in June 1998 and operated until June 2000. Confirmatory effluent samples from the SVE system indicated a decrease in the concentration of PCE from a high of 250,000 ug/m3 at the time of start up to an asymptotic level of 306 ug/m3 two years later. Soil end sampling done in June 2000 revealed mostly non-detects and a maximum concentration of PCE of 94 ug/kg. There were no TAGM exceedances. The SVE system was shutdown in June 2000. The property was subsequently redeveloped as a Chinese takeout restaurant.

Four rounds of indoor air sampling were conducted at the site. NYSDOH has requested sub-slab vapor testing but the owner was resistant to this because of the recent construction.

The site was placed on the list of legacy sites because of the concern for potential soil vapor intrusion from the residual contamination.

A Soil Vapor Intrusion (SVI) Evaluation Work Plan was submitted on October 8, 2007 and finally approved on November 28, 2007.

The proposed sampling as described in the SVI Evaluation Work Plan was conducted on March 6, 2008. The report detailing the results was submitted on April 16, 2008. Based on these results and prior results from indoor air sampling and soil end point sampling, NYSDOH issued a letter dated June 10, 2008 stating that no further action was necessary. NYSDEC then issued a No Futher Action Letter to the ownwer/RP on July 24, 2008. An IRM Report approval letter was issued by the department on September 3, 2008.

CONFIRMED HAZARDOUS WASTE DISPOSED:

TYPE	QUANTITY
TETRACHLOROETHYLENE (PCE)	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:
The consultant for the owner had requested a No Further Action determination from the Department in October 2000. However, the NYSDOH did not concur and requested that four rounds of indoor air sampling be done before any determination was made. The fourth round was completed and the report submitted on April 5, 2007. The results for tetrachloroethylene (PCE)were below NYSDOH air guideline of 100 ug/cubic meter and NYSDOH/EPA databases for indoor air.

The site was then placed on the list of legacy sites.

The consultant FPM submitted a proposal to do Sub-slab soil vapor sampling using an alternate location to that stated in NYSDOH guidance for soil vapor intrusion. This was reviewed by NYSDOH. Following discussion between the consultant, FPM, NYSDOH and

NYSDEC, a revised Soil Vapor Intrusion Evaluation Work Plan was submitted on October 8, 2007 and finally approved on November 28, 2007 with the stipulation that if any tetrachloroethene (PCE)was detected in any of the soil vapor samples planned, NYSDEC and NYSDOH would request that sub-slab soil vapor along with concurrent indoor and outdoor air sampling be performed at the site proper.

The proposed sampling as described in the SVI Evaluation Work Plan was conducted on March 6, 2008. The report detailing the results was submitted on April 16, 2008. Based on these results and prior results from indoor air sampling and soil end point sampling, NYSDOH issued a letter dated June 10, 2008 stating that no further action was necessary. NYSDEC then issued a No Futher Action Letter to the ownwer/RP on July 24, 2008. An IRM Report approval letter was issued by the department on September 3, 2008.

ASSESSMENT OF HEALTH PROBLEMS:
Soil and soil vapor are contaminated with tetrachloroethene and its breakdown products. A soil vapor extraction system operated on-site from June 1998 to June 2000. Following shutdown of the system, soil samples showed levels of contaminants were below the recommended soil cleanup objectives. Also, indoor air sampling results indicate that contaminant levels are below concentrations that would represent a health concern. At this time, no further action is warranted.

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-	Groundwater-	Soil-	Sediment-
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-	Drinking Water-	Surface Water-	Air-	

GEOTECHNICAL INFORMATION:
SOIL/ROCK TYPE:
GROUNDWATER DEPTH:

LEGAL ACTION:	Type:		State-	Federal-
STATUS:	Negotiation in Progress-		Order Signed-	
REMEDIAL ACTION:	Proposed-	Under Design-	In Progress-	Completed-
NATURE OF ACTION:				

Map Identification Number 2 **1296 SHERIDAN AVE** **Facility Id: 2-004**
231 E 169TH ST BRONX, NY TT-Id: 180A-0000-115

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 5126 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10456

This facility has been deleted from the reported data. Data reflects last reported information.

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT
REGION: 2

NAME OF SITE: 1296 Sheridan Ave.
STREET ADDRESS: 231 E. 169th Street
TOWN/CITY: Bronx COUNTY: Bronx

Registry Qualifying Investigations Underway as of 04/1996

NO RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS

NO CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO BROWNFIELDS SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

SOLID WASTE FACILITIES IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 3 **UNKNOWN**
173RD ST. & SELWYN AVE. BRONX TT-Id: 400A-0000-197

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2352 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: E 173RD ST / SELWYN AVE
Revised zip code: 10457

1934 New York City municipal waste disposal site --- Cubic yards dumped in 1934: 12

NO HAZARDOUS WASTE TREATMENT/STORAGE/DISPOSERS IDENTIFIED WITHIN THE 1/2 MILE SEARCH RADIUS

HAZARDOUS MATERIAL SPILLS INTRODUCTION

The Hazardous Material Spills in this section are divided into eight spill cause groupings. These include:

Active Spills Section: Spills with incomplete paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

1) Tank Failures
2) Tank Test Failures
3) Unknown Spill Cause or Other Spill Cause Hazardous Spills
4) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

Closed Status Spills Section: Spills with completed paperwork that may or may not be cleaned up (See Date Cleanup Ceased)

5) Tank Failures
6) Tank Test Failures
7) Unknown Spill Cause or Other Spill Cause Hazardous Spills
8) Miscellanous Spill Causes: Equipment Failure, Human Error, Tank Overfill, Deliberate Spill, Traffic Accidents, Housekeeping, Abandoned Drum, and Vandalism.

All spills within each spill cause category are presented in order of proximity to the subject site address.

Please note that spills reported within 0.25 mile (or one-eighth mile in New York City) are mapped and profiled.

Between 0.25 mile (or one-eighth mile in New York City) and 0.5 mile, only the following spills are mapped and profiled:

* Tank Failures;

* Tank Test Failures;

* Unknown Spill Cause or Other Spill Cause;

* Spills greater than 100 units of quantity; and

* Spills reported in the NYSDEC Fall 1998 MTBE Survey.

A table at the end of each section presents a listing of reported Miscellanous Spills with less than 100 units located between 0.25 mile (or one-eighth mile in Manhattan) and 0.5 mile. These spills are neither mapped nor profiled.

NO ACTIVE TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 4 **MOBIL SERVICE STATION** **Spill Number: 0300047** **Close Date:**
1764 UNIVERSITY AV BRONX, NY TT-Id: 520A-0009-954

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1144 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 1764 UNIVERSITY AVE
Revised zip code: 10453

Source of Spill:	GASOLINE STATION	Spiller:	STEVE KELLY - MOBIL	Spiller Phone:	(703) 846-5386
Notifier Type:	Tank Tester	Notifier Name:	RICH WEBER	Notifier Phone:	(610) 278-7203
Caller Name:	GERRY CASPER	Caller Agency:	CROMPCO	Caller Phone:	(610) 278-7203
DEC Investigator:	BHDAVIDS	Contact for more spill info:	GERRY CASPER	Contact Person Phone:	(610) 278-7203

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/01/2003		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
9	4000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

MANWAY LEAKING. NO RELEASE. REPLACING GASKET AND RETESTING.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
This spill case was reassigned from DEC (Sigona) to Rommel

on 02/10/2004.

4/2/03 TIPPLE SENT TTF LETTER(CURRENTLY IN DUTY DESK FILE)

9/6/05-Vought-See also spill #0506867 for detection of ethanol in groundwater samples.

Map Identification Number 5 **RENTAL MANAGEMENT ASSOCIA** **Spill Number: 0707458** **Close Date:**
1890 ANDREWS AVE BRONX, NY TT-Id: 520A-0212-684

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1264 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: 1890 S ANDREWS AVE
Revised zip code: 10453

Source of Spill:	PRIVATE DWELLING	Spiller:		Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	jbvought	Contact for more spill info:	JOHN WADE	Contact Person Phone:	(631) 300-5446

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/06/2007		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	15.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL IS CONTAINED. TANK IN PROCESS OF BEING EMPTY. CLEANUP PENDING.

DEC Investigator Remarks:

10/09/07-Vought-Off hours responder. Vought spoke to Waide and tank is a 5000-gallon AST that has leak to secondary containment. Fuel seeped under secondary containment pit wall and impacted sump pit with fluid ejector. Tank was pumped dry and product was removed from sump pit and adsorbent pads were placed in clean sump pit. No odor complaints received to date. Tank will be

replaced. DEC requires: 1)PBS registration 2)description of floor and sump impacted 3)fax number for wade 4)cc to Wade. Vought called Wade (631-567-6545 fax 631-567-9390) and site is an AST and bottom of tank is visible however Wade was not able to determine condition of concrete under tank due to pads and speedy dry. AB disconnected sump pump at time of spill. AB performed cleanup but has not been contracted for tank replacement and or possible soil cleanup. Owners contact info is:

rental management associates
Phil Shaw
Beth 718-538-5000
fax 718-538-2407

Vought called Rental Management Associates (RMA) and spoke Hannah Shaw and owners address is:

Phillip Shaw
Rental and Management Associates
215 E164th Street
Bronx, NY 10456
Attn: Hannah Shaw
Fax: (718) 538-2407

Vought discussed above requirements and sent out letter with one month due date and requirements.

Map Identification Number 6 **BRONX HOSPITAL - TTF** **Spill Number: 0902025** **Close Date:**
1650 GRAND CONCOURSE BRONX, NY TT-Id: 520A-0229-222

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2398 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	JOHN MINTON - BRONX HOSPITAL	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	JMKRIMGO	Contact for more spill info:	BILL KLEIN	Contact Person Phone:	(718) 762-5200

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/19/2009		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	

Caller Remarks:

TANK TEST FAILURE ON A 20,000 GALLON UST UNK IF ANY PRODUCT SPILLED. PBS NUMBER NOT AVAILABLE.

DEC Investigator Remarks:

TTF was called in along with a physical oil spill. On 5/20/09 they were trying to drain this tank by switching oil from one tank to another and there was a spill onto the ground.
As for the TTF on the tank itself, Franklin company is working on the repairs/retest.
TTF Letter sent to: John Minton, Engineering Dept., Bronx Lebanon Hospital Center, 1650 Grand Concourse, Bronx, NY 10457
7/28/2009 Sangesland spoke to Bill Klein at Franklin. He said the tank was drained and the tank manufacturer was inside the tank today doing an inspection to determine if the tank could be repaired and put back in service, or if it needed to be closed out/removed.

8/5/2009 TTF letter sent to:
Director Hiram Torres
Bronx Lebanon Hospital Center (BLH)
1650 Grand Concourse
Bronx, NY 10457

08/31/09. J.Krimgold reviewed the letter dated 08/18/09 submitted by BLH in which they proposed to install a single wall tank inside failed double-wall UST. This proposal was not approved. see eDocs.

ACTIVE UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 7 **APARTMENT BUILDING** **Spill Number: 0700945** **Close Date:**
60 EAST 177TH ST BRONX, NY TT-Id: 520A-0006-504

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1041 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: BARBARA- APT. 1A - APARTMENT BUILDING Spiller Phone: (718) 731-5303
Notifier Type: Local Agency Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: rmpiper Contact for more spill info: BARBARA- APT. 1A Contact Person Phone: (718) 731-5303

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/23/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

THICK BLACK OIL HAS SPILLED FROM THE BOILER AND ACCUMULATED IN THE BACK OF THE BUILDING; HAS NOT BEEN CLEANED;

DEC Investigator Remarks:

2526 Valentine LLC
PO Box 231027
Great Neck, NY 11023

The name on the deed as per property shark is Victor Solomon.

Spill is due to boiler failure. Oil placed in 5 gal buckets outside where water has displaced. The tank is unregistered and the case has been forwarded to Krimgold/ Conlon.

Map Identification Number 8 **FORMER RESIDENCE** **Spill Number: 0800016** **Close Date:**
1752 WALTON AVE BRONX, NY TT-Id: 520A-0214-628

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1259 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	DOUG HARM - FORMER RESIDENCE	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	jbvought	Contact for more spill info:	DOUG HARM	Contact Person Phone:	(732) 223-2225

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/01/2008		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

DEMOLISHING HOUSE AND FOUND ODOR IN SOIL DURING EXCAVATION

DEC Investigator Remarks:

Sangesland spoke to Doug Harm of Brinkerhoff Environmental.
He said they knocked down a single family house at 1752 Walton Ave and found some #2 oil contaminated soil. This construction site is part of a larger site merging together several small lots into one large lot.
Excavations are completed, contaminated soil is segregated and will be removed. End point samples were taken today (4/1) and a closure report will be sent to the DEC in approx 30 days.
Since the work is already being done, no CSL letter was sent.

Map Identification Number 9 **FORMER GAS STATION** **Spill Number: 0501131** **Close Date:**
1990 JEROME AVE BRONX, NY TT-Id: 520A-0012-406

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1445 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: STEPAHNIE SALVELINA
DEC Investigator: AXDORONO

Spiller: MR. FRANK DELEONARDIS - FORMER GAS STATION
Notifier Name: STEPAHNIE SALVELINA
Caller Agency: WARREN & TANZER PC
Contact for more spill info: MR. FRANK DELEONARDIS

Spiller Phone:
Notifier Phone: (212) 922-0077
Caller Phone: (212) 922-0077
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/27/2005		OTHER	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

WHILE TESTING SOILS FOUND OLD GAS, WAS A FORMER STATION AND NOW A CONSTRUCTION SITE:

DEC Investigator Remarks:

4/27/2005 - Sangesland spoke to Stephanie Salvelina at consultant "Warren & Tanzer"
She said the site was a gas station from 1940-1980. In 1980 the NYFD ordered 4 tanks to be abandoned/closed. Consultant is now digging on the site, in preparation of building residential housing, and found gasoline contaminated soil. At least 2 of the tanks have NOT been properly abandoned or filled. Unknown what the owner will be doing for remediation.

Contaminated Soil Letter sent to owner (name from consultant)
Mr. Frank DeLeonardis
15 Laural Ave.
Mt. Vernon, NY 10552 - SS

5/19/05 - North East Environmental, Joe called and left a message that he is preparing site investigation, would like a call back at 914-777-1930. Assigned to Imdadul Islam. - KST

6/8/05- Joe informed over tel. that four USTs have been removed from the site by excavating a 20'*25' area approx. 15' deep. No GW encountered. Approx. 200 tons of contaminated soil has been removed and stockpiled for disposal. In addition to end-point soil samples and a composite sample from the stockpile, three borings for soil & GW samplings in and around the tank grave have been advised and the results along with boring logs be submitted with the tank closure report.- II

8/16/05- Left message for Joe (contractor) at N-E Envtl. about the submission of the tank closure and SI report. Also, spoke to Mr. Chat Bijoor of consultant "Warren & Tanzer". He is supposed to get back to me with the latest information on this spill case asap.- II

8/24/05- Warren & Tanzer is no more involved on the project. NE Envtl. submitted a Tank Closure Report dt. Aug. 22/05. Four gasoline USTs were removed from the site and exceedances of some VOC levels were observed in two soil samples from the west and north wall of the tank grave. A site visit was made today and met Joe of NE Envtl. and the owner at the property. Today mailed a letter requiring three soil borings and both soil and GW samplings. The Investigation Summary report is due by the end of Sept./05. Also, requested for a copy of the phase II investigation report for the site. -II

9/30/05- Received and reviewed the Phase II investigation report for the site, as wanted. It reveals that soil at a depth of 6'to 10'bgs (boring B-1 & B-2)at the location of the historical gas station has impacted with VOCs. Awaiting the results of the additional soil and GW investigation as outlined above.- II

11/28/05- Reviewed the SIR dt. Sept. 8/05 submitted by NE Envtl. The data and the report reveal that both soil and GW at the site particularly at the north-northwestern area adjacent to the Jerome Avenue side have been impacted (soil- TVOC approx 100,000 ppb: GW- TVOC 131 ppb). Wrote a letter to consultant cc'd to RP to delineate the contamination completely with installation of 3 monitoring wells, establish GW flow direction and a pragmatic RAP including monitoring plan. - II

02/03/06: This spill transferred from Imdad to Q.Abidi.
Reviewed report dt. Jan.10,2006. At least Warren & Panzer has to take one sample at groundwater interface plus any other contamination, soil samples at the interval of highest contamination based on PID screening. To remove VOC from the groundwater by utilizing in-situ methods such as soil vapor extraction. This is for soil samples not for groundwater samples.- QA

02/22/06: Sent E-mail to Warren & Panzer, the body of which is seen below:
"The work plan you sent states that a soil sample will only be collected from the most contaminated interval during well installation. This is contrary to the Department's usual soil sampling protocol, which requires that a sample be collected from the interval with the greatest indications of contamination, and that another sample be collected at the water table. If no field indications of contamination are encountered, then a sample should be collected at the water table. Also, the plan says that VOCs will be removed from groundwater by utilizing "in situ methods such as soil vapor extraction", however, this approach does not remove VOCs from groundwater. This should be clarified. The work plan is not approved. Please revise and re-submit the plan." - QA

04/17/06: Discussed with Mr. Chat Bijoor of Warren & Panzer need for delineation by additional wells. Warren & Panzer will submit plan for installation of additional wells in two weeks. - QA

04/26/06: On date 04/25/06 during conversation on phone with Mr. Chet Bijoor phone # (212)922-0077, Jon Kolleeny instructed that they install two permanent monitoring wells. The wells should be surveyed to find out groundwater flow direction, and Warren & Panzer should be ready to install additional wells if necessary soil sampling will be done during well installation. - QA

4/28/06 - JK: Emailed and mailed Sidewalk Permit Letter to Chet Bijoor of Warren & Panzer, to help them obtain NYCDOT approval to install 1 on-site and 1 off-site well in sidewalks in front of and across from the site. - J. Kolleeny

5/08/06: JK and QA visited site to observe installation of wells. First well (MW-4) in sidewalk along Jerome Ave, south of MW-3,

had high soil contam, PID up to 1500 ppm; depth to water about 12 feet. Next drilling location also had high soil contam at GW interface, so they moved further down sidewalk to south, put in well MW-6 and found only slight contam (~6 ppm on PID) at water table. Also put in well across the street (MW-5), to west-southwest of MW-4, soil appeared to be clean. - J. Kolleeny

6/6/06: Received email from Chet Bijoor of Warren & Panzer with attached preliminary soil & GW results of additional site investigation. Results show soil contamination in MW-4 and TW-1 (to south of MW-4); serious GW contam. in MW-3 & MW-4, moderate in MW-2 and TW-1, wells MW-5 and MW-6 had minor exceedances for xylenes (both) and ethylbenzene (MW-5); MW-1 and MW-7 (to east and southeast of tank pit, resp.) were non-detect. GW flow direction is to southwest, curving more southward down Jerome Ave. with distance. - J. Kolleeny

6/8/06: This spill case transferred from Q. Abidi to J. Kolleeny. Spoke with Chet Bijoor of W&P, discussed incorporating remedial system in planned building design. He wants to do SVE and avoid having to discharge water, I suggested DPE, and also noted that MW-7 was not put in near boring IG as I requested, to delineate free product detected in MW-3. I suggested doing an SVE pilot test to see concentrations of vapors recovered to see what kind of treatment is needed, and determine radius of influence; Chet suggested they could put in well by boring IG as part of pilot test. I also told him to submit a formal report summarizing the investigation results and recommending remedial action, and put together a draft Remedial Action Plan. - JK

07/25/06: Reviewed Supplemental Phase II Site Investigation Report dated June 29, 2006, submitted by Warrent & Panzer and received July 5th. Report concludes there is serious soil and groundwater contamination on site, with groundwater plume extending off-site to south-southwest along Jerome Ave. (Smear zone of soil contamination at water table accompanies plume.) Report recommends performing a pilot study to evaluate suitable remedial technologies at site. Also reviewed "Proposal for Conducting Pilot Study to Select a Remedial System to Address Contaminant Plume at..." also dated June 29th and received July 5th. Proposal involves using a mobile Enhanced Fluid Recovery (EFR) system, utilizing an internal combustion engine followed by catalytic converter to burn off and polish recovered vapors. A new 4" well will be installed in area of severe soil contamination at boring IG, which I requested earlier, and vacuum will be applied and measured in nearby monitoring wells. Spoke with Chet Bijoor of W&P, who says they hope to use this mobile unit to perform a number of EFR events as an interim measure to bring down high contaminant levels, so that if later a groundwater recovery system must be installed, groundwater may not need much treatment to meet DEP sewer discharge requirements. I told Chet that proposal needs more details and a diagram. Met with Chet on Monday July 24, 2006, to discuss this. I asked that pilot test plan include greater detail about duration of test, wells that will be involved, and sampling of untreated recovered vapors and extracted groundwater, and that a diagram be added to show where new well will be installed and which monitoring wells will be involved in pilot test. I sent Chet an email on 7/25/06 asking for electronic version of Supp. Phase II, and of Pilot Study proposal once requested revisions are made. - J. Kolleeny

07/27/06: Received revised Pilot Study Work Plan from Chet Bijoor of W&P on 7/26/07, with more details about the pilot test, collection of vapor influent sample for TO-15 analysis, revised diagram showing new well location to be installed at boring IG, and supplemental information about the mobile EFR unit, as I had requested. Also received electronic version of W&P's Supplemental Phase II Site Investigation report (now dated July 24, 2006). Issued an approval letter for the pilot study work plan to the RP, Frank DeLeonardis, by regular mail (he apparently doesnt have email), and copied Chet Bijoor of W&P by email. - J. Kolleeny

08/15/06: DEC staff (Qasim Abidi and Stephen Kraszewski) visited site to observe installation of 4-inch pilot test well, for use with mobile EFR unit. During well installation, soil with PID readings up to 220 ppm was encountered. Groundwater from the well will be sampled prior to performing the pilot test. - J. Kolleeny

02/02/07: Reviewed Pilot Study Report by Warren & Panzer, dated Oct. 19, 2006. Report present results of mobile EFR unit pilot test, noting that groundwater samples collected after test did not show any noticeable reduction in dissolved-phase contaminant levels. W&P therefore proposed additional excavation of petroleum-contaminated soil and installation of groundwater recovery and treatment system consisting of 3 extraction wells and a GAC unit to treat recovered GW; treated water would be discharged to NYC sewer system. Spoke with Chet Bijoor of W&P about plan, he said RP wants to combine remedial action (soil excavation & system installation) with site development, as he plans to construct a building that might be used as a school. I recommended installation of a vapor barrier (Chet said they already planned on that) and a sub-slab depressurization system (Chet said he would check with RP and architect). I said remedial plan seemed reasonable, but that a full round of groundwater samples should be collected from all on- and off-site wells to confirm that groundwater conditions are consistent with the remedial design, before final approval of plan. I sent an email to that effect on 2/2/07, and asked for electronic version of Pilot Study Report. - J. Kolleeny

03/01/07: Received phone call from Bryan Shaw of Warren & Panzer, said he will forward my email request for round of GW sampling to site owner and get moving on that, and asked if I needed an electronic version of Pilot Study Report. I said yes, he sent report by email (in eDocs). He said there was some delay in project caused by construction contractor backing out, since system installation will be coordinated with site development. - J. Kolleeny

03/07/07: Spoke with Chet Bijoor of Warren & Panzer who said he felt another round of GW sampling was not warranted, as data were less than a year old. In support, he emailed me table with comprehensive GW data showing most wells were last sampled in Sept. ’06 (in eDocs). He also said there was no plan for sub-slab depressurization system. I said considering well MW-8 had significant amount of benzene (140 ppb) when last sampled and planned use of site is as school, I’m not comfortable with just building over that area and having no way to monitor GW contamination which may pose vapor intrusion concern. He argued that contaminated soil would be excavated down to water table in that area, and extraction wells in sidewalk would be capturing contaminated GW from that area. I said I would have to think about it and continue reviewing data. - J. Kolleeny

06/22/07: Received phone call on 6/20/07 from Jill Haimson of Preferred Environmental, who has taken over project from Warren & Panzer. She said owner has agreed to install a sub-slab depressurization system as I had suggested, and in light of that she requested holding off on additional groundwater monitoring until after remediation is performed. She sent an email to that effect: "As per our conversation, this email notifies you that property owner Frank DeLeonardis has retained Preferred Environmental Services (Preferred) and P.W. Grosser Consulting Engineers (PWG) to finalize remedial approach for above spill, in addition to providing oversight of redevelopment activities. We are continuing work flow previously proposed by Warren & Panzer Engineers (WPE). As per requirements set forth in most recent telephone correspondence between NYSDEC and WPE, property owner has agreed to install an active sub slab depressurization system (SSDS) in addition to a vapor barrier. PWG has been contracted to design system and is currently coordinating with project architect. We anticipate a 3-4 week turnaround on design of system for submittal for NYSDEC/NYSDOH review. We respectfully request that any additional site or groundwater monitoring be performed after remedial efforts and will reinstall any damaged monitoring wells at that time. As we further discussed, PWG will be performing a limited technical review of previously proposed groundwater remediation plan (by WPE) to evaluate effectiveness of this technology. If changes need to be made, we will resubmit a remedial approach for NYSDEC consideration. Either way, extraction wells were to be placed exterior to building footprint, so construction will not diminish ability to proceed with any groundwater treatment that may be required. At your suggestion, we will evaluate effectiveness of direct in-situ groundwater treatment via chemical oxidation or some other means of enhancing biodegradation of residual petroleum in groundwater at time of open excavation. In summary, in consideration of above, we respectfully request that NYSDEC provide us with an update as to what aspects of Remedial Action Plan (e.g., soil removal, etc.) can be approved for immediate implementation. Contractor has building permit and is anxious to get started."

On 6/22/07, I emailed reply: "Regarding request to hold off on additional groundwater monitoring until after remedial actions: Although it's standard to collect a round of samples prior to remediation to serve as a baseline, in recognition of fact that property owner is willing to install an active sub-slab depressurization system as NYSDEC had requested, I'm willing to waive requirement for pre-remediation baseline groundwater sampling. As for which aspects of remedial plan can be approved at this point, I would rather not approve a remedial plan in piecemeal fashion, with portions of one consultant's recommendations and portions of another consultant's proposals. I suggest that once Preferred and PWG have completed their technical review of Warren & Panzer's remedial plan and their evaluation of my suggestions regarding combining in-situ chemical oxidation or similar treatment with planned soil excavation, a comprehensive Remedial Action Plan should be prepared and submitted which states clearly what you are proposing for site, in considerable detail and with various contingencies spelled out. In other words, RAP should state dimensions of area that will be excavated, whether or not dewatering will be performed, and if you are proposing chemical oxidation or ORC, what quantities of substances will be applied to excavation. RAP should explain which wells will be monitored after excavation/redevelopment are complete and for which parameters, whether or not you anticipate having to replace certain wells or install additional wells to adequately monitor on- and off-site groundwater impacts and remedial progress, whether or not you are proposing to install and operate a groundwater extraction & treatment system as W&P had suggested, or what conditions would warrant installation of such a system, with details of system design and layout, discharges from system, etc. Please let me know if this approach seems reasonable to you, or if you have any questions about anything I've written." - J. Kolleeny

6/25/07: Jill Haimson replied to my 6/22/07 email: "I will approach client regarding preparation of comprehensive Remedial Action Plan with all required details, subsequent to our review of prior proposed measures. In interim, as we discussed, we are going to proceed with preparatory work including installation of appropriate fencing and removal of former concrete slabs at Lots 10, 8 and 6. As we discussed, only Lot 14 had a prior suspect use (former gasoline station). A geophysical survey has been performed (by others) across entire property and no suspect features (e.g., buried tanks) were identified at Lots 10, 8 and 6. As agreed, we will have contractor stop work if any suspect conditions are encountered and we will respond immediately to ascertain site conditions and whether a spill is present. I will keep you informed as to our progress as well as a schedule for submittals." - JK

7/10/07: On 7/6/07, received update email from Jill Haimson of Preferred Envt'l: "(1) Client has agreed to and we are in process of preparation of comprehensive Remedial Action Plan (RAP) as you requested with all required details, subsequent our review of prior proposed measures. In interim, as we discussed, general contractor (GC) has proceeded with preparatory work which included installation of appropriate fencing and removal of former concrete slabs at Lots 10, 8 and 6. (2) There has been a lot of dumping on portion of property that had been formerly excavated on Lot 14; there's a sizeable hole, with groundwater at bottom. As mentioned, waste oil containers, tar, etc. and other garbage has been thrown on site, there are impacts to groundwater and property owner has been cited by sanitation department. While we are preparing detailed RAP, we ask permission to preferentially address removal of garbage in hole and pump out of any residual petroleum on groundwater. Waste material will be drummed or otherwise properly containerized and manifested for off-site disposal, and a Part 364 licensed vacuum truck will be used to remove and transport waste oil/mixed groundwater to an appropriate disposal/treatment facility. Any contaminated soil generated will be containerized or stockpiled (under plastic and covered) for later appropriate off-site transport and disposal. Preferred will provide oversight of these activities and will provide you with a description of activities, photographic log and manifests. Please advise us at your earliest opportunity." On 7/10/07, I sent email reply: "Your proposal to remove refuse (petroleum-contaminated and otherwise) and pump out standing water with residual petroleum from open excavation at site as interim remedial measures is approved. All petroleum-contaminated materials should be properly disposed of and documented. I understand that a comprehensive remedial plan to address on- and off-site subsurface petroleum contamination is

currently being developed and will be submitted to DEC in near future." - J. Kolleeny

08/01/07: On 7/27/07, received electronic copy and on 7/31/07, received hard copy of Remedial Action Work Plan dated July 2007 prepared by Preferred Environmental Svcs. of Merrick NY (in eDocs). Will review. - J. Kolleeny

08/03/2007: This spill case was transferred to A Doronova. - AD

08/08/2007: Reviewed RAP dated July 2007 submitted by Preferred Env. Services. It proposes remedial excavation of contaminated soil during redevelopment of the site followed by collection of end-point soil samples, and application of chemical oxygent (REGEN-OX) during the remedial excavation. In addition, a vapor barrier and sub-slab venting system will be installed beneath the planned on-site building to prevent intrusion of any residual petroleum vapors. The work plan also proposes longer-term groundwater treatment by introduction of oxygen via diffusion probes, if necessary, based on groundwater monitoring data. The plan proposes to excavate cont. soil to the smear zone, where groundwater will be encountered, but it does not say if groundwater grab sample will be collected for sure, instead of bottom end-point soil samples in such case. Also, proposal of REGEN-OX application provides general information only and is not site specific. Post remedial site monitoring proposes only two follow-up monitoring rounds. AD

08/09/2007: Spoke to Ms. Haimson of PES regarding groundwater grab samples and Regen-Ox application. She promised to collect GW grab sample if GW will be encountered and said that she will submit additional documentation on Regen-Ox application prior to its implementing. AD

08/13/2007: Sent a letter to Mr. DeLeonardis (site owner)approving RAP with following requests:
- to submit additional documentation to clarify how the chemical oxidant will be applied to the smear zone prior to its implementation;
- if end-point soil samples cannot be collected from the bottom of the excavation, then a groundwater grab sample should be collected instead;
- post-remedial groundwater monitoring should be performed and reported quarterly for at least one year, based on results.
(copied this letter to J. Kolleeny - DEC; J. Haimson - PES; file). AD

09/06/2007: Received an email from Jill Haimson. They plan to start excavation and stockpiling the soil on September 12, 2007. She will call back with exact date. AD

09/12/2007: After ongoing phone correspondence with Jill Haimson regarding the site visit, scheduled it for September 14, 2007. AD

09/14/2007: Visited the site together with Jon Kolleeny. We arrived at the site at 10:10 AM. Jill Haimson was at the site. They already started excavation the day before, on September 12, 2007. Strong gasoline odor was present around excavation area. PID readings were ranged from ND to 389 ppm in the vicinity of MW-02. Asked consultant if they had any complains regarding odors. No groundwater was encountered during excavation, although they were expecting to hit it at 9-10 feet bgs. They started to deepen the pit close to MW-03 in order to encounter GW to collect GW grab sample. It was successful. J. Haimson collected the GW grab samples. She told us, that next week they will collect end-point samples and then apply RegenOx to the excavation pit. AD

09/19/2007: Visited the site to observe collection of end-point soil samples and groundwater sampling. Ms. Haimsom told me, that they encountered contaminated soil deeper than was expected. PES were digging test pits 15-20 feet bgs. PID readings from test pits range till 645 ppm. No GW was encountered in these test pits. Very strong odor around excavation pit. PES is planning to

excavate deeper to remove contaminated soil. Because final depth of the excavation was not decided yet, only sidewall soil samples were collected during my visit. Due to discovered deeper contamination, application of RegenOx is postponed. Jill Haimson will contact me when they will be ready to apply oxidant. AD

10/03/2007: DEC was contacted by the Fire Department, who was on-site responding to vapor complaints from tenants of a nearby apartment building. J. Kolleeny and I went to the site and instructed the consultant to stop work, cover the contaminated soil pile with plastic sheeting, and apply clean soil over the exposed contaminated soil and groundwater in the excavation. We also asked the consultant to monitor indoor air at various locations in the apartment building with a PID and submit a reading log to DEC. AD

10/05/2007: Received an email from David Khan(project geologist) stating that they resumed excavation work at the site, using a foam-dispensing truck to suppress vapors. The excavation work was completed without further odor complaints from neighbors, and PID monitoring inside the apartment building did not detect any VOCs. AD

10/09/2007: Received a call from David Khan of PES. He asked for permission to backfill excavation pit. All required end point soil samples were collected, chemical oxidant was applied to the excavation. Asked him to take pictures of excavation pit prior to backfill. Spoke with J. Kolleeny and approved backfilling of the excavation. AD

01/09/2008: Called and left a message for J. Haimson regarding submission of a summary report. AD

02/19/2008: Received summary report for the site. Will review. AD

03/04/2008: Reviewed the report. An area of approx. 50’ wide and by 70’ lond and 14’ deep was excavated. 1,136 tons of non-hazardous petroleum impacted soils were removed from the site to the regulated facility. 15 end-point soil samples were collected along the excavation perimeter and bottom. Analytical soil data indicated elevated levels of contamination in samples collected from 2N, 3Nw and 4W, ranging from 94,265 ppb to 1,098,489 ppb. One groundwater grab sample was collected from the bottom of the excavation pit with TVOCs - 103,668 ppb. Regen-Ox was applied within the excavation in to the smear zone. Follow up groundwater monitoring conducted on November 15, 2007 indicated small decrease in VOC concentrations. MW-2 decrease from 76ppb TVOCs to 22ppb; MW-4 from 7936ppb TVOCs to 7833ppb. As groundwater impacts still present, the consultant plans to perform approved long-term treatment of groundwater via installation of two infusion probes which will be implemented at a later stage of site construction. AD

05/09/2008: Received an email from Jill Haimson of PES. She plans to install the ISOC groundwater treatment at the locations that were approved by DEC. Ms Haimson wanted to confirm the wells locations (see Figure 4). AD

05/14/2008: Spoke with Ms. Haimson of PES. Requested relocation of one of the two ISOC well from Jerome Avenue to 179th Street. PES will submitt a revised site plan. AD

05/15/2008: Received revised site diagram with a new location for MW-7 (infusion well). Three new wells will be installed: two groundwater monitoring wells and one infusion well. Second inffusion probe will be installed into existing monitoring well MW-4. Installation scheduled for May 20-21, 2008. AD

05/16/2008: Send an email with an approval of the proposed supplemental groundwater treatment. AD

11/04/2008: Called and spoke with D. Khan of PES. Asked him about summary report submission. he promised to submit it till the end of next week. AD

12/03/2008: Spoke with Ms. Haimson of Preferred. Requested to submit a post-remediation summary report. AD

12/04/2008: received an email from J. Haimson saying:

"The next round of sampling is projected to be the first week of January 2009. Please acknowledge receipt of these documents.

Jill S. Haimson, CGWP, PG
Principal

TEL: 516- 546-1100 x 32
CELL: 516-647-4211

PREFERRED ENVIRONMENTAL SERVICES"

Attached to the email were July 2008 Monitoring Report and October 2008 Sampling Report. DL the reports to eDocs. Will review. AD

02/18/2009: Reviewed the report. Several gasoline related VOCs were detected in the groundwater samples collected in the October 2008 quarterly sampling event. The highest concentration of total VOCs were detected in MW-4 (17,136 ug/L) and MW-8 (1,676.1 ug/L). MW-7, located upgradient along East 179th Street and containing one ISOC probe, had a concentration of total VOCs of 64.7 ug/L. MW-5 and MW-6 had the lowest concentration of detected total VOCs with 60.7 ug/L and ND respectively. In comparison with the July 2008 quarterly sampling data, a general decrease in overall total VOCs was seen. MW-5 through MW-8 saw a decrease in total VOCs from the July 2008 sampling event. MW-7 decreased in total VOCs from 858.8 ug/l in July 2008 to 64.7 ug/L in October 2007 and MW-8 decreased in total VOCs from 4,283.9 ug/L in July 2008 to 1,676.1 ug/L in October 2008. MW-2 through MW-4 saw increases in total VOCs from the July 2008 sampling event, of which MW-4 had the greatest increase from 12,350 ug/L in July 2008 to 17,136 ug/L in October 2008. MTBE was detected in 5 wells. Elevated MTBE was detected at wells: MW-2(13ug/L), MW-7(16ug/L) and MW-8(49ug/L). MTBE was not detected in wells MW-4 and MW-6. As compared with the July 2008 sampling event, increases in MTBE were seen in MW-2, and MW-8 at downgradient locations from the subject property. Decreases in MTBE concentrations were observed within wells MW-3, MW-6, MW-7 at an upgradient location, and MW-5 which is located across Jerome Avenue and downgradient. MTBE in MW-4 remained ND since the September 2007 sampling event. Based on the October 2008 sampling data, Preferred offers the following conclusions:

Groundwater at the subject property remains impacted with gasoline-related VOCs at concentrations exceeding applicable NYSDEC Class GA SGVs.

Off-site groundwater impacts are present within MW-5;

MTBE concentrations have decreased at locations MW-3, MW-5, MW-6 and MW-7 while remaining non detect at MW-4; and

A decrease in concentrations of gasoline related constituents was noted in wells downgradient of the ISOC units as compared to post Regen-Ox sampling events. Elevated D.O. Readings in MW-7 and MW-8 indicate that the ISOC Probes are successfully treating groundwater impacts at the property.

Preferred will continue monthly maintenance activities on the ISOC probes and quarterly sampling to evaluate the continued

effectiveness of the on-site groundwater treatment. The next quarterly sampling event was scheduled for January 6 of 2009. AD

05/18/2009: Called and spoke with Bill of Preferred. requested to submit hard copy and pdf copy of the 1st quarter 2009 monitoring report. He will send them out today.
Later received an e-mail saying:

"Ainura:
Attached is the February 2009 Quarterly sampling report for Spill No. 05-01131 for your review and comment. A hard copy is in the mail.

Please respond to this e-mail so that I can be sure that you have received this transmission.

Thank You,

Bill

William J. Schlageter
Project Manager/Senior Hydrogeologist
PREFERRED ENVIRONMENTAL SERVICES"

DL pdf copy to eDocs. Will review. AD

07/02/2009: Reviewed the report. The report states that: on February 6, 2009 seven wells were gauged and groundwater samples from each well (MW-2 through MW-8) were collected and submitted for laboratory analysis for VOCs by EPA Method 8021. The highest concentration of total VOCs were detected in MW-4 (17,828 micrograms per liter [ug/L]) and MW-8 (11,441 ug/L). MW-7, located upgradient along East 179th Street and containing one ISOC probe, had a concentration of total VOCs of 63.4 ug/L. MW-6 had the lowest concentration of detected total VOCs with 33.9 ug/L. In comparison with the October 2008 quarterly sampling data, a general increase in overall total VOCs was seen. MW-2, MW-3 and MW-7 saw a decrease in total VOCs from the October 2008 sampling. MW-4, MW-5 and MW-7 saw only slight increases in total VOCs from the October 2008 sampling event. MW-8 saw the greatest increase in total VOCs from 1,676 ug/l in October 2008 to 11,441 ug/l in February 2009. MW-8 will be monitored closely during the next sampling event. In addition to gasoline related VOCs, the fuel oxygenate Methyl Tert-butyl Ether (MTBE) was detected in all groundwater monitoring wells. MTBE was detected over SGVs at locations MW-2 (16 ug/L),MW-4 (17 ug/l),MW-5 (21 ug/l), MW-7 (11 ug/l) and MW-8 (98ug/l).The concentration of MTBE detected at locations MW-3 (9.3 ug/L) and MW-6 (8.7 ug/L) was below its class GA SGVs. As compared with the October 2008 sampling event, increases in MTBE were seen in MW-2 through MW-6 and MW-8 at downgradient locations from the subject property. A decrease in MTBE concentration was observed within well MW-7 at upgradient location.

Based upon the results of the February 2009 quarterly sampling event, Preferred concludes the following:
Groundwater at the subject property remains impacted with gasoline-related VOCs at concentrations exceeding applicable NYSDEC Class GA SGVs.
Off-site groundwater impacts are present within MW-5;
MTBE concentrations have increased at locations MW-2 through MW-6 and MW-8 and decreased at locations MW-7;

With the replacement of the oxygen canisters for the ISOC units, along with continued monthly maintenance visits, ISOC units will continue to treat impacted areas of groundwater.
Based upon the above, Preferred will continue to conduct monthly maintenance activities on the ISOC probes and as required by the NYSDEC-approved RAP will conduct quarterly sampling events to evaluate the continued effectiveness of the on-site groundwater treatment. The next quarterly sampling event is scheduled for May of 2009.
No response is needed. AD

Map Identification Number 10 **CHRISTIE RESIDENCE** **Spill Number: 9805774** **Close Date:**
145 W.179TH ST BRONX, NY TT-Id: 520A-0008-815

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2056 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	CITIZEN	Notifier Phone:	
Caller Name:	ANTHONY HENRY	Caller Agency:	NYC DEP	Caller Phone:	(718) 595-4766
DEC Investigator:	KSTANG	Contact for more spill info:	MR CHRISTIE	Contact Person Phone:	(718) 731-4014

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/07/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

oil from an unknown source appeared in basement of residence - no cleanup begun.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"

06/16/06: This spill is transferred from Mike Mulqueen to Mr. Koon Tang.

Map Identification Number 11 **SEDGWICK AVE PURS** **Spill Number: 0202997** **Close Date:**
1823 SEDGWICK AVE BRONX, NY TT-Id: 520A-0013-082

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 2090 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON EDISON	Spiller Phone:	(212) 580-6763
Notifier Type:	Responsible Party	Notifier Name:	KRISTINE KOHLER	Notifier Phone:	
Caller Name:	ANDREW MORRIS	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/21/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

HISTORIC SPILL DISCOVERED AT ABOVE LOCATION. CON ED # 143486.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
E2MIS NO. 143-486:

21-JUN-2002 @ 10:30Hrs.

Dave Mocera, Supervisor, reports during inspection, historic contamination was found at PURs unit M51 N /R1. The flooring consists of a removable metal plate over a sub floor. By visual inspection the surface layer underneath the sub floor appears to be stained/discolored. The quantity released is unknown, however the approximate size of contamination is anywhere between one to two feet at different locations in the unit, for reporting purposes the volume has been entered as -1 gallon. This plant is known to have a concrete moat. The substance is unknown, however it is likely to be identified as dielectric fluid. The source of contamination is unknown. The cause of contamination is

unknown. There is no active fire/smoke at this time. Release to sewer/waterway is not verified at this time. No private property has been affected. A station remediation plan will be prepared to determine the priority order for addressing this and other

historic incidents as per SSO's letter to NYSDEC region II

dated February 20, 2002. Housekeeping and maintenance activities, as required, will be documented.

Map Identification Number 12 **SEDGWICK AVE PURS** **Spill Number: 0202993** **Close Date:**
1823 SEDGWICK AVE BRONX, NY TT-Id: 520A-0013-081

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 2090 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CALLER - CON ED	Spiller Phone:	(212) 580-6763
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	ANDREW MORRIS	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/21/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SIZE OF CONTAMINATION IS ONE TO TWO FEET. CON ED 143487

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
E2MIS NOTES 143487

21-JUN-2002 @ 10:40Hrs.

Dave Mocera, Supervisor, reports during inspection, historic contamination was found at PURs unit M51 S /R3. The flooring consists of a removable metal plate over a sub floor. By visual inspection the surface layer underneath the sub floor appears to be stained/discolored. The quantity released is unknown, however the approximate size of contamination is anywhere between one to

two feet at different locations in the unit, for reporting purposes the volume has been entered as -1 gallon. This plant is known to have a concrete moat.

The substance is unknown, however it is likely to be identified as dielectric fluid. The source of contamination is unknown. The cause of contamination is unknown. There is no active fire/smoke at this time. Release to sewer/waterway is not verified at this time. No private property has been affected. A station remediation plan will be prepared to determine the priority order for addressing this and other historic incidents as per SSO's letter to NYSDEC region II dated February 20, 2002. Housekeeping and maintenance activities, as required, will be documented.

Map Identification Number 13 **APARTMENT BUILDING** **Spill Number: 0812278** **Close Date:**
2071 WALTON AVE BRONX, NY TT-Id: 520A-0226-563

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2295 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNKNOWN - APARTMENT BUILDING	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	jbvought	Contact for more spill info:	UNKNOWN	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/11/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	40.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

Caller states oil is leaking in the basement of above building. No further info available. FD is trying to contact an oil company.

DEC Investigator Remarks:

03/2/11/2009-Vought-Vought performed site visit and FDNY Lt. Cassidy(Ph:718-476-6288 Fax:718-476-8261) onsite with two trucks.
Spill caused by leaking supply line to boiler resulting in #2 heating oil to fill boiler itself and then run down onto concrete

floor and into sump with dirt on the bottom and metal sides. FDNY drummed approximately 45 gallons from the puddle on the floor (suggesting no infiltration supported by concrete with no cracks other than sump itself) and also "piggybacked" the supply and return lines so that the spill stopped. Vought spoke with super (Edwin 917-529-4698) and he learned of spill at 4am when he received odor complaint from tenants in apartment 1A. Site is five story apartment building. At 6am the super smelled oil himself and found puddle of oil on floor and immediately shut down sump and boiler. FDNY notified DEP Hazmat with respect to spill in sump. Edwin provided number of managing agent contact (Lilian cell:917-567-0256 Fax:718-701-0503). Vought inspected apartment 1A and spoke to tenant who stated that odors had abated during spill and Vought left contact information in case further odors should arise. Vought called and left message for Lilian that floor must be powerwashed, sump must be cleaned and to return call immediately to DEC. Vought received callback later during the day from Lilian that she was hiring ABC tank to do the cleanup and they were already onsite and Vought discussed scope of work.

2/12/09-Vought-Called and spoke to Lilian and told her to call DEC Vought when ABC back onsite to continue cleanup. Vought received callback from Lilian who confirmed that ABC was site and powerwashing and cleaning sump as well. Lilian also confirmed that 2071 Walton Avenue Realty Corp was indeed owner. Vought sent CSL to below address as per Acris:

2071 Walton Avenue Realty Corp.
1509 Popham Avenue #5
Bronx, NY 10473
Attn: Lilian
Fax:(718)701-0503

DEC requires CSL with one month due date and: 1)cc to FDNY Cassidy 2)updating of PBS registration with current contact information 3)powerwashing of floor 4)removal of contaminated soil from sump and possible collection of endpoints if soil bottom.

02/18/09-Vought-Received call from and spoke to Lilian Baez who called ABC and is awaiting invoices.

03/02/09-Vought-Called Lilian (917-567-0256) and she will be faxing ABC invoices today and submitting PBS registration as well.

03/04/09-Vought-Received fax from Lilian Baez including invoice from Tanks A Lot including cleaning of sump pit. Vought called Lilian to confirm PBS registraton submission and she has not filled it out yet. Vought informed her that case would be closed upon receipt of confirmation of PBS registration.

Map Identification Number 14 **NYCSCA - NEW SCHOOL SITE** **Spill Number: 0508302** **Close Date:**
1526-1532 JEROME AVE BRONX, NY TT-Id: 520A-0010-069

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2623 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 1526-1532 INWOOD AVE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	AMY MONTANA - COMMERCIAL SITE	Spiller Phone:	(845) 492-3100
Notifier Type:	Other	Notifier Name:	AMY MONTANA	Notifier Phone:	(845) 492-3100
Caller Name:	AMY MONTANA	Caller Agency:	SHAW ENVIR/INFASTRUCTURE	Caller Phone:	(845) 492-3100
DEC Investigator:	AXDORONO	Contact for more spill info:	AMY MONTANA	Contact Person Phone:	(845) 492-3100

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/12/2005		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

DURING SOIL SAMPLES FOUND CONTAMINATION

DEC Investigator Remarks:

10/12/05 - Raphael Keaton. I spoke to Amy Fontana of Shaw Environmental ((845) 492-3100) regarding the spill. The client is the City School Construction Authority. She said that the gasoline was discovered while doing soil borings at the site. She said that a phase 1 was done a couple of months ago and the phase 2 investigation plan was submitted to the Construction Authority just recently. However, no phase 2 work has taken place yet. Ms. Fontana said that Shaw did find some Sanborne Insurance maps which showed 2 550 gal. tanks on site. However, when they did a ground penetrating radar survey of the area, they didn't find the tanks. I asked Ms. Fontana for a copy of the proposed phase 2 site investigation plan. She said that she would speak to her client and see whether one can be sent to the DEC.

12/21/05 - Raphael Ketani. I tried to call Ms. Fontana, but could only leave a voice mail message.

1/4/06 - Raphael Ketani. I spoke with Ms. Fontana. She said that the phase 2 investigation plan was sent to the City School Construction Authority in 11/05. I asked her to contact them and find out whether the plan is alright and when they will start.

1/5/06 - Raphael Ketani: Ms. Fontana called me and said that I should talk directly with Drew Lent of the NYCSCA (718) 752-5609. I called Mr. Lent and he said that 1526-1532 Inwood Ave. is actually part of a larger site composed of 10 other lots (the other lots have the Jerome Ave. address - spill #0412633). These lots are owned by the Settlement Housing Fund. However, he said, the spill is on the 1526-1532 lot. He said the spill is gasoline contaminated soil with analyses in the 10s of PPBs (up to about 67ppb) of various volatiles. Mr. Lent added that the investigation plan is done, but it is being reviewed by his "higher ups." As soon as it is approved, he will send me a copy. The plan for the site is a school and he said there would be some kind of vapor management system below the school.

08/31/06: This spill is transferred from Mr. Koon Tang to Q. Abidi.
Called Ms. Amy Fontana (Shaw Environmental) at (845)492-3100 and left message to call me back regarding information of spill. -QA

10/25/06: Called Ms. Amy Fontana (Shaw Environmental) regarding information of spill.
Ms. Fontana called me back she said first she will talk to client then she will call me back. -QA

04/18/07: Reviewed report which is sent by Shaw Environmental. Soil sample and groundwater sample is still contaminated. Called Ms. Fontana and asked about remedial work plan for this site. She said she will find out about it and then she will call me back. -QA

04/26/07: Called Amy Fontana (Shaw Environmental) regarding Remedial Plan she was not there, left message to call me back. -QA

08/27/07: Sent e-mail to Mr. Andrew Lent, that I have reviewed the Remedial Investigation Work Plan dated August 13, 2007 for the site, submitted by Shaw Environmental. In the report, groundwater flow direction is assumed without supporting data. The department requires installation of permanent groundwater monitoring wells to determine groundwater flow direction and for ongoing groundwater monitoring. Also, an additional permanent monitoring well should be installed near temporary well location GW-4, which had groundwater contamination when it was sampled. After addition of the above, submit a revised Remedial investigation work plan for approval. -QA

09/12/07: Reviewed revised Remedial Investigation Work Plan [in eDocs as report dated 9/4/07]. They will make three temporary wells and three permanent wells for soil and groundwater sampling. permanent wells will be used for future monitoring. I approved work plan and send letter to responsible party. Entered letter in e-Doc. -QA

10/12/07: Inspected site. Shaw Environmental started drilling at this site, borehole GW-12 drilled down to a depth of 30 ft' there is no odor in the soil PID reading is zero. only at the depth of 18 ft' PID reading is 1.2, water level struck at 18 ft'. They lowered the screen 17 ft' above the water level and rest to the down. They will make this permanent well for groundwater monitoring. -QA

11/08/07: Drew Lent of NYC School Construction Authority sent email with attached data tables, figures, boring logs and well logs from draft supplemental phase II investigation (in eDocs), in preparation for meeting with DEC on 11/9/07. Email stated: "Attached are laboratory data summary tables, logs and selected figures for Settlement Housing Fund K-12 Campus in preparation for tomorrow's meeting. Associated spill cases for this project are 04-12633, 05-08302, and 07-07535. Data for 04-12633 and 05-08302 spills have previously been submitted to DEC. Thank you in advance for meeting with SCA to discuss this important school and community center project." - J. Kolleeny

11/09/07: The meeting was conducted with School Construction Authority and SCA's consultant Shaw Environmental at the same date regarding spill. The area is still contaminated which was contaminated in the year 2005. SCA's consultant Shaw Environmental will prepare a brief work plan for additional investigation and submit to us in one or two weeks for approval. [Vadim Brevdo also requested any information SCA may have concerning citizen participation with this site. - JK] -QA

11/19/07: Drew Lent of SCA sent email with attached document that includes a work plan by Shaw Envt'l for additional site investigation, as discussed at 11/9/07 meeting, plus excerpts from SCA's State Envt'l Quality Review (SEQR) Negative Declaration and Environmental Assessment Form (in eDocs). Email stated: "Thank you for meeting with SCA and Shaw Envt'l regarding proposed Settlement Housing K-12 school and community center on Friday November 9th. Attached please find copy of letter and SEQR documentation requested at meeting. As indicated during meeting, Shaw is planning to start investigation on Monday, December 3rd. I will provide exact starting date early next week. If you have any questions regarding letter please do not hesitate to contact

Kirk Babcock of Shaw Envt'l or myself." - J. Kolleeny

11/28/2007: This spill case was transferred to A. Doronova. - AD

Reviewed a submitted additional investigation work plan. The plan proposes installation of seven new monitoring wells and advancement of two soil borings to better delineate on and off site residual contamination. The proposed locations for soil borings and monitoring wells satisfy DEC requirements which were discussed at the meeting. Soil sampling depth intervals should be modified. AD

11/29/2007: Sent a letter to Ms. Lee Guterman with the work plan approval. Requested modifications for soil sampling depth intervals. (cc: J.Kolleeny-DEC; A.Lent-NYCSCA; A.Fontana-Shaw; K.Babcock-Shaw; file). AD

Same day: Received a call from A. Lent of NYCSCA. He was disagree with our modifications for soil sampling and asked me to explain such requirements. I told him that we would like them fully delineate soil contamination as well as groundwater contamination. Soil sampling from required intervals are necessary to learn the soil quality at the well boring locations. At the end it was agreed that NYCSCA will implement requirements regarding soil sampling. AD

11/30/2007: Received an email from L. Guterman of NYCSCA. It says that NYCSCA will start investigative activities on December 3, 2007. Asked J. Kolleeny about possible site visit on December 4, 2007. Will verify it with A. Lent. AD

12/03/2007: Received verification email from A. Lent. Sanjay Sharma (geologist of SHAW) will be at the site with a crew.

12/04/2007: Visited the site with J. Kolleeny to observe drilling activities. Split-spoon soil samples collected from the 5-7 and 7-9 foot intervals showed no field indications of contamination. Fieldwork will continue throughout the week. AD

02/01/2008; Spoke with Drew Lent of NYCSCA. He said that they completed site investigation and now they are preparing summary report. Also Mr. Lent asked for scheduling another meeting with DEC to discuss next course of actions for this site. Requested submission of the summary report prior the meeting. Mr. Lent agreed to submit to us e-copies of labdata results and site diagram with locations of newly installed wells. Scheduled the meeting with NYCSCA for Friday, February 8, 2008. AD

02/08/2008: J. Kolleeny and I attended the meeting with NYCSCA and Shaw. Discussed proposed remedial actions for this site. In general, Shaw plans to excavate contaminated soil into the water table. They also plan to remove existing ASTs and USTs from the site. We agreed that the proposed actions are likely to improve site conditions, and made some suggestions and recommendations to the plan. Following the meeting, I closed one of two open spill numbers for this site to consolidate tracking of progress under one spill number, which will apply to all areas of concern at the site. A Remedial Action Plan will be soon submitted to DEC. Spill #0707535 was closed in DER database and referred it to this spill case. AD

03/27/2008: Received an email from A. Lent of NYCSCA. They would like to do additional pre-design investigation before RAP implementation:

"...As we discussed earlier today, Dvirka and Bartilucci on behalf of the
New York City School Construction Authority (NYCSCA) is planning to
conduct additional pre-design investigation sampling at the proposed
Settlement Housing Fund School and Community Center project located at

1521 - 1531 Jerome Avenue Bronx, New York (Spill Number 05-08302) beginning on Saturday, March 29, 2008. The seven proposed soil boring and five monitoring well locations are provided in the attached figure. Monitoring wells DBMW-2 - 3 will be installed with the screened interval across the water-table. Monitoring wells DBMW-1, DBMW-4 - 6 will be installed as bedrock monitoring wells screened across the anticipated water-table. Field work is scheduled to begin at bedrock monitoring wells DBMW-4, 5 and 6 on the Lot 90 portion of the Site on March 29 - 30th and April 5 - 6, 2008. Soil samples will be collected utilizing the same criteria as listed in the November 29, 2007 investigation approval letter. I will provide you with a more detailed scope of work letter and schedule as soon as it is available."

The site plan with locations of the proposed borings and wells was attached. RAP will be submitted after completion of the pre-design investigation. Spoke with J. Kolleeny of DEC regarding this plan. AD

04/01/2008: Received pdf version of the investigation plan. Downloaded in eDocs.

05/08/2008: Received a conference phone call from Drew Lent and Lee Guterman of NYCSCA. They finished pre-design investigation and found few gasoline 1000-gallon USTs, hydraulic lifts and free product in newly installed monitoring wells. They plan to excavate and remove the USTs and lifts. i told Mr. Lent that they should notify us prior any fieldwork at the site and mentioned that they need to register the found UST before their removal. AD

05/09/2008: Received a hard copy of Supplemental phase II Environmental Site Investigation report, prepared by Shaw Group, Inc. Will review. AD

05/14/2008: Received a phone call from D. Lent of NYCSCA. They started remove concrete UST slabs and hydraulic lifts. PBS applications for USTs removal were filed. After NYCSCA will complete PBS registration, USTs will be removed from the site. Told D. Lent to inform us prior to USTs removal. AD

05/2008: Spoke with D. Lent. He said that they are in a process of UST removal. Asked him to take pictures. RAP will be submitted shortly. AD

06/18/2008: Received RAP Memorandum I and II. Downloaded in eDocs. Will review. Spoke with Brian Veith of Dvirka and Bartilucci (D&B). AD

06/19/2008: Reviewed the RAP. It summarizes the findings of the pre-design investigation. It included advancing of soil borings, installation of monitoring wells, collection of soil and groundwater samples. 10 USTs and 3 hydraulic lifts and a network of underground piping were removed off the site. Significant soil and groundwater contamination was detected in Lot 68 and Lot 20. Free phase product was observed in existing well GW-18 (mixture of gasoline and kerosine) in Lot 77 and B-19 (paint thinner) in Lot 90. Oleophyllic "socks" were placed in these two wells to recover the product. Additional soil borings and temporary wells installations revealed free-phase product within the central portion of Lot 20. The fingerprint analysis of the product identified it as a gasoline. Based on the pre-design investigation results, the extent of the product is approximately 40 by 30 feet area. To address the free-product four recovery wells were installed The product will be recovered using a pumps and/or

bailing. Recovery activities will be conducted every other day for a period of up to 2 months. The submitted RAP proposes to perform three rounds of RegenOx application via 100 injection points on Lot 20, using a grid network spacing of 12.5 feet. For each injection round, the location of injection point will shifted approximately 6 feet to provide maximum coverage. The ORC supplement will be added to last application round of RegenOx to provide a long-term oxygen source. In addition, once soil has been excavated to the necessary depth for construction as well as for planned removal of the impacted soil, ORC will be spread across the surface of the excavation to enhance bioremediation. AD

06/20/2008: Sent an approval letter to L. Guterman - NYCSCA with the request to install two additional off-site wells to better delineate plum boundaries. (cc: J.Kolleeny-DEC; A. Lent-NYCSCA; B.Weith-D&B) AD

07/21/2008: Received a call from D. Lent. He would like to schedule a meeting with us to discuss the RAP. Spoke with J. Kolleeny. Scheduled the meeting for August 8, 2008. Left a message to D. Lent. AD

08/12/2008: Visited the site with J. Kolleeny. Met at the site with B. Vieth of D&B. Observed the RegenOx injections. Due to the tight soil formation in the area of RegenOx application, they are able to complete only 6 injection points per day. Totally D&B plans to accomplish 70 IPs. 30 IPs have been completed. Groundwater monitoring round will be conducted at the end of the August, D&B will also samples in this round newly installed off-site wells. Also discussed the possibility to check contents of remaining USTs, if they are acting as a source of contamination. AD

08/18/2008: Sent an email to Lee Guterman saying:

"Dear Ms. Guterman:
DEC requests to inspect the USTs remaining in the building along Jerome Avenue to see how they were closed in place, and if the tanks are found to be filled with liquid, it should be pumped out to prevent it from acting as an ongoing source of contamination.

If you have any questions or comments please fill free to contact me."

AD

10/14/2008: Spoke with D. Lent of NYCSCA. USTs weren't inspected yet due to some technical and financial issues. NYCSCA already included removal of the tanks in a building contract, as Mr. Lent explained to me, and they don't want to do double spending on them. He said that they performed GW monitoring round and are recovering free product. VOC concentrations still high, but show some decreasing trend. They demolished garage on Lot 20 (near free product recovery wells) and plan to investigate the area in a few weeks. Site status update report will be submitted shortly. AD

11/20/2008: Received a phone call from D. Lent of NYCSCA. He asked for a meeting with DEC to discuss performed remedial activities and future course of actions. Scheduled the meeting on December 2, 2008. Requested to submit the site status update report before the date of the meeting, for review. According to D. Lent, the report will be submitted on November 24, 2008. AD

11/24/2008: Received a hard copy of the progress report. Will review. To request PDF copy. AD

11/28/2008: Reviewed the report. It states that the following activities were implemented at the site:

Product recovery activities were conducted appr. three times a week in the former garage area.Through October 31, 2008, a total

of 286 gallons of free product were recovered from the site's wells DBMW-17, DBMW-27, DBMW-28, DBMW-29, DBMW-31, DBMW-32, DBMW-36 and DBMW-37;

The remaining garage structure was demolished on October 10, 2008 to allow full access to the area impacted by free product;

On October 21 and October 22, 2008, nine temporary monitoring wells (DBMW-38 - DBMW-46) were installed to the top of the weathered bedrock on the area of the former garage to fully delineate the extent of the free product;

The evaluation of the product thickness and product recovery rates indicates that a majority of the recoverable free product has been removed from this area;

The first round of Regen-Ox injection was completed in the non-product area in July 30, 2008. A total of 94 injection points were done;

The second round of Regen-Ox injection was completed in the non-product area on August 19, 2008. A total of 78 injection points were completed.

D&B plans the following actions to be implemented:

Additional product recovery activities will continue to be conducted two-three times per week until the free product is no longer present;
Two additional recovery wells will be installed to enhance the product recovery rates;
A third round of Regen-Ox injections will be implemented in the non-product area;
Up to four injection rounds planned for former garage area;
Removal and closure of the eight remaining USTs located beneath the building along Jerome Avenue;
Approximately 30,000 cubic yards of soil will be excavated and properly managed. Soil in the vicinity of the former USTs and south of the former garage will be excavated deeper that it is necessary for the construction needs to ensure that contaminated soil is removed from the site;
ORC will be applied across the surface of the excavation in the non-product and former garage areas;
A gas vapor barrier will be installed beneath the building to prevent soil vapor intrusion;
An active sub-slab depressurization system will be installed beneath the building. AD

12/02/2008: J. Kolleeny and I attended the meeting with NYCSCA and D&B. Issues discussed included, end-point sampling locations, and post-remediation groundwater monitoring and frequency of groundwater monitoring. A progress report with November GW monitoring results and free product recovery logs will be submitted in January 2009. Removal of USTs, which located along Jerome Avenue, to be implemented approximately in February-March 2009. AD

04/2009: Spoke with D. Lent. They completed additional investigation in the area with free product. He asked for a meeting to discuss their findings and further actions. Scheduled the meeting for April 20, 2009 at 10:00 AM. AD

04/20/2009: J. Kolleeny and I attended the meeting with L. Guterman and D. Lent of NYCSCA and their consultant Dave Glass of TRC. New remedial approach for Lot 20 was discussed. TRC proposed remedial excavation till bedrock, dewatering if applicable and application of ORC. Discussed post-excavation end-point soil sampling intervals. DEC requested post-remedial groundwater monitoring. New RAP will be submitted shortly for review and approval. AD

05/01/2009: received a Remedial Investigation report prepared by TRC, Inc. Will review. AD

05/08/2009: The report states that free product is present in the overburden in the vicinity of Lot 20 and that ongoing product removal activities are not sufficient, and more aggressive remedial action is required.

TRC proposes to remove the source of contamination by excavating the affected area to approximately three feet into the weathered bedrock. A post-excavation soil sampling plan will be provided to the Department approximately one week before collecting the samples. Chemical oxidant will be applied to the bottom of the excavation to promote degradation of any residual contamination. Quarterly post-remedial groundwater monitoring will be conducted for a year to ensure the effectiveness of the remediation. A summary report will be prepared and submitted to the Department. AD

05/14/2009: Discussed the recommendations with J. Kolleeny of DER. Issued and sent an approval letter with a comment that, DEC may require to continue groundwater monitoring beyond proposed one year period, based on monitoring results. DL pdf copy to eDocs. AD

05/15/2009: Received an e-mail from D. lent saying:

"Dear Ainura,

Attached is the progress report update for the LNAPL removal activities at petroleum spill site 05-08302 completed in January and February 2009 for your information.

If you have any questions or need additional information please contact me at (718) 752-5609.

Sincerely,

Drew Lent
NYCSCAIEH Division
(718) 752-5609"

DL to eDocs. Will review. AD

07/2009: Received a phone call from D. Lent of SCA. He said that the building along Jerome Avenue was demolished and they preparing for USTs removal. He will inform me in advance about the work schedule. AD

07/29/2009: Received an e-mail from Mr. Lent saying:

"Dear Ainura,

The UST Removal effort is scheduled to begin on Thursday, July 30th and Kevin Boger of TRC will be on-site to observe the remediation activities. Kevin's cell phone number is (631) 617-0087 and my cell phone number is (347) 452-3870. As a reminder, please bring a hard hat, safety vest and work boots to the Site.

Sincerely,

Drew Lent
NYCSCAIEH Division
(718) 752-5609"

AD

07/30/2009: Visited the site. Met there with D. Lent of SCA and Kevin Boger of TRC. They removed one 1,000-gallon gasoline UST from area of Lot 21. The tank was in good condition, no soil staining or odor were noted. The highest PID reading in the excavation pit was - 65 ppm.
Eight 550-gallon gasoline USTs were removed from former building area. The tanks were in good condition, the highest PID reading was - 75 ppm. Four additional 550-gallon USTs were found and removed along Jerome Ave. No PID readings were detected in the excavation pit. No end-point soil samples were collected at this time due to the fact that the final depth of excavation will be 22-23' bgs according to the building plan. The end-point soil samples will be collected later at this depth. AD

08/21/2009: A letter was issued upon DDC request, which confirmed that end-point soil samples from the UST excavation pits will be collected after excavation will reach its final proposed depth of 23' bgs. A work plan with proposed locations for end-point sampling will be provided to DEC for review and approval. DL the letter to eDocs. AD

09/11/2009: Received a Project Progress Report for a period of April-August 2009. DL to eDocs. Will review. AD

10/09/2009: Received an e-mail from D. Lent of SCA saying:

"Dear Ainura,

Attached is a letter with the proposed post-excavation sampling locations that TRC stated would be provided to the SCA as per the April 2009 RI Report. The SCA anticipated that portions of the Site located beyond the Northwest Remediation Area will be excavated to contract grade within approximately two weeks.

If you have any questions or need additional information please contact me at (718) 752-5609.

Sincerely,

Drew Lent
NYCSCAIEH Divisio"

DL the letter to eDocs. Will review. AD

10/16/2009: Received a phone call from D. Lent of SCA. He requested a meeting with DEC regarding depth of excavation along the southern property border of Lot 20. Discussed this with J. Kolleeny of DEC. Scheduled the meeting on October 19, 2009. AD

10/19/2009: J. Kolleeny and I met with Drew Lent of SCA and Charles Guder of TRC to discuss depth of excavation in Lot 20 and post-excavation end-point soil sampling intervals. It was agreed that the area along southern border of the property adjacent to

neighbor building will be excavated to the elevation of the building foundation footings (approximately elevation 28 feet). The length of this area will be 40’ and width will be 10’. Two bottom end-point soil samples were proposed to be collected in this area. Seven additional end-point soil samples were requested by DEC to be collected along site property line, especially in the area of environmental remediation (Lot 20). A work plan with revised end-point soil sampling locations will be submitted to DEC for review and approval. AD

10/21/2009: Received an e-mail from C. Guder of TRC saying:

"Dear Ainura,
Attached is a letter detailing the Remedial Investigation Report Addendum and the proposed post-excavation sample locations. The Contractor has informed us that the final grade elevation will be reached in the area of the underground storage tanks (USTs) along Jerome Avenue on Thursday, 10/22/09. TRC will be on-Site to collect endpoint soil samples at 2:00 P.M on Thursday, 10/22/09.

If you have any questions or need additional information please contact me at (212)-221-7822 x103.

Sincerely,

Charles Guder
Senior Project Manager
TRC Engineers, Inc.
1430 Broadway, 10th Fl.
New York, NY 10018
212.221.7822 (office)
646.660.1020 (mobile)"

Reviewed the revised end-point soil sampling locations. DL the Remedial Investigation Report Addendum to eDocs. Issued and send an approval letter to SCA. AD

12/09/2009: Received a phone call from D. Lent of SCA. He said that they plan to collect some soil samples tommorow after 1:30 PM. Will visit the site. AD

12/10/2009: 11:00 AM - D. Lent called and informed me that soil sampling was postponed till December 11, 2009 due to technical issues with PID. Will re-schedule the site visit. AD

12/11/2009: Visited the site. Met at the site with Dreww lent of SCA. TRC was performing soil sampling. The whole property is excavated approximately 20-22’ bgs. The depth of excavation in the area of Lot 20 also around 20’ bgs. Some rain water is accumuleted in the excavation pit. No product sheen was detected. There are two air quality monitors at the site. VOCs on monitors are from 0 to 0.6 ppm. Two soil samples were collected along the southern border of Lot 20. PID soil screening results were ND. This area will be excavated down to the bedrock. Took some pictures of the site. Progress report will be submitted to DEC when all soil samples will be collected and analyzed. AD

Map Identification Number 15 **VAULT VS325 HAS THREE QTS OIL.** **Spill Number: 0801688** **Close Date:**
PROSPECT PLACE & CLAY AVENUE BRONX, NY TT-Id: 520A-0214-584

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2629 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: PROSPECT PLACE / CLAY AVENUE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON EDISON	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	gdbreen	Contact for more spill info:	ERTSDESK	Contact Person Phone:	(212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/13/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

3 quarts of unknown oil down a vault; clean up pending; took samples; 211329

DEC Investigator Remarks:

211329. see eDocs

ACTIVE HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 16 **SEDGWICK AVE PURS** **Spill Number: 0004627** **Close Date:**
SEDGWICK AVE BRONX, NY TT-Id: 520A-0013-085

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 2090 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 1823 SEDGWICK AV
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CALLER - CON ED	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	CHARLIE MCCARTHY	Notifier Phone:	(212) 580-6763
Caller Name:	CHARLIE MCCARTHY	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/17/2000		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
TRANSMISSION FLUID	PETROLEUM	600.00	GALLONS	600.00	GALLONS	SOIL

Caller Remarks:

ruptured disc 52s spilling fluid onto 200 gallons of water all was cleaned up. con ed #132425 non pcb oil cleaned up by all state

power vac co

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
NON-PCB OIL. CONTAINED IN MOTE. NO DRAINS OR SEWERS.

SEE ALSO SPILL # 0004011, 0004534.

Con Ed no. 132-425:

July 17, 2000 @ 19:05

Dave Mocera #99498 reports spill of 800 gallons of dielectric transmission feeder 345KV, located at Sedgwick Ave Public Utility Regulator Station. Cause of spill was a rUpture disk at the Cooling Plant Unit 52S. Mr. Mocera reports less than 1 PPM. Spill was investigated before calling in, spill was contained, Dan Shah

from EHS on location. Allstate Power Vactor performed cleanup.

Spoke with Mr. Mocera @ 22:50 cleanup was completed.

Correction - report should read: 600 gallons of dielectric transmission and 200 gallons of water.

T. Whipple--81477--9/4/00 - Cleanup completed 7/18/00 by 0700. All oil caught in facility OWS. Pumped out by Allstate Power Vac. Repairs to rupture disc made by ASM. This incident is now closed.

20-JUN-2002.

Dave Mocera, Supervisor, reports during inspection, historic contamination was found at PURs M52S unit / R4. The flooring consists of a removable metal plate over a sub floor. By visual inspection the surface layer underneath the sub floor appears to be stained/discolored. The quantity released is unknown,

however the approximate size of contamination is anywhere between one to three feet at different locations in the unit. This plant is known to have a concrete moat. The substance is unknown, however it is likely to be identified as dielectric fluid. The source of contamination is unknown. The cause of contamination is

unknown. A station remediation plan will be prepared to determine the priority order for addressing this and other historic incidents as per SSO's letter to NYSDEC region II dated February 20, 2002. Housekeeping and maintenance activities, as required, will be documented.

Map Identification Number 17 **XFMR IN VAULT #2385 LEAKED 400 GAL** **Spill Number: 0712489** **Close Date:**
EAST 176 STREET & ANTHONY AVENUE BRONX, NY TT-Id: 520A-0214-680

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2617 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: E 176TH ST / ANTHONY AVE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERTSDESK - CON EDISON	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	gdbreen	Contact for more spill info:	ERTSDESK	Contact Person Phone:	(212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/27/2008		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	400.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

transformer malfunctioned in a vault 210052

DEC Investigator Remarks:

210052. see eDocs

THE FOLLOWING ACTIVE SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE SEARCH RADIUS FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
0810600	BASEMENT	1945 LORING PLACE	BRONX
0908287	PURS PLANT	1823 SEDGWICK	BRONX
0109265	SEDGWICK AVE PURS	1823 SEDGWICK AV	BRONX
0506321	SUBSTATION	1823 SEGEWICK AVE	BRONX
9712079	1563 WALTON AVENUE	1563 WALTON AVENUE	BRONX

0904604	PVT DWELLING	1548 JESSUP AVE	BRONX
0909502	PRIVATE RESIDENCE	2078 MORRIS AVE	BRONX

CLOSED STATUS TANK FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 18 **MOUNT HOPE HOUSING COMPANY** **Spill Number: 0612967** **Close Date: 09/25/2007**
55 EAST 175TH STREET BRONX, NY TT-Id: 520A-0013-323

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1034 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: GUNNAR FREDRICKSON - COMMERCIAL PROP-ERTY Spiller Phone: (718) 299-2051
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: jbvought Contact for more spill info: GUNNAR FREDRICKSON Contact Person Phone: (718) 299-2051

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/27/2007		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

5000 GALLON TANK HAD CONTAMINATED SOIL:

DEC Investigator Remarks:

Sharif spoke with Mr William Silveri @(212)221-7822, he told me that 5000 gallon tank has been removed and bottom excavation looked dirty.End point sample was taken, results will be sent to DEC Jeff Vought.

6/6/07-Vought-Received call from Gunnar Fridiksson (Mount Hope Housing Company 718-299-2051x14 cell 646-206-1857). Gunnar working with remediation contractor (Ambient Group -Shawn Wallace will be sending in report for review by Vought).

06/27/07-Vought-Received call from Fridiksson who is looking for review of remedial action plan. Preliminary review of plan calls for excavation and dewatering but no mention made of endpoint sampling. Fridiksson will call DEC on 6/29 for update of review status and with more information on collection of endpoint samples.

07/02/07-Vought-Vought received call and spoke to Shawn Wallace (Ambient). Vought reviewed Request for NFA from Ambient Group dated 6/14/07. Site is vacant lot that is proposed to redeveloped with community center and residential housing. RAP submitted to NYCDEP. Two USTs onsite. Ambient requested No Further Action. Enclosed in report is Remedial Action Plan by TRC Environmental dated June 2005 that was submitted to DEP. Groundwater depth at 20' and proposed foundation is 10' below grade. RAP also includues provisions for PID monitoring during excavation, dust supression, management of dewatered groundwater. Copy of DEP Negative Declaration also submitted. Six soil borings installed and samples collected from 5-17'bg show: 996ppb sec-butylbenzene(SB5), 375ppb isopropyltoluene(SB5). Concentrations below TAGM 4046 RSCO's however SSDS still required for precaution. Soil excavation will be required for installation of basement. DEC requires: 1)vapor barrier 2)SSDS 3)endpoint sampling at foundation depth 4)PBS registration 5)notification upon reaching of limits of excavation. Wallace requested 30 day deadline. Letter should be addressed to:

Gunnar Fridiksson
Mount Hope Housing Company
2003-05 Walton Avenue
Bronx, NY 10453
Fax: (718) 299-5623

Vought sent letter with 30 day deadline to above address with cc to Wallace and DEP Wuthenow.

07/9/07-Vought-Received and reviewed site plan with proposed boring locations and groundwater analyticals. Soil borings were performed as part of 7/02/07 No Further Action request referred to above. "The current plan is to remove the top 8' of urban fill in area approximately 50'x50' measured from the southeast corner of the lot. This should put us near or slightly below the level of the foundation. At this point end-point samples will be taken. The groundwater is clean and the foundation depth for the new building will be approximately 10' feet below the sidewalk level. The ground surface on the lot is currently about 5-6' below sidewalk level thus we do not anticipate disturbing the soil below 10' of ground surface. At this level the soil is all loose urban fill with results below TAGM 4046 guidelines. Notification will be made to DEC for site excavation when limits of foundation are reached. Soil analyticals from six soil borings show no TAGM 4046 Soil cleanup Objectives. Requirements from above 7/2/07 entry still apply. This site address also listed as 1785 Walton.

08/09/07-Vought-Received call from and spoke to Wallace who inquired if SSDS would be needed under enitire footprint as per EPA Guidance. Vought required SSDS to be installed as per Guidance. During excavation, a six foot diameter tank (above 1100-gallons) was discovered. Unsure of soil contamination under UST. Layer of clay at 12' down with some discoloration and slight odor. DEC will receive one report with endpoint analyticals, SSDS plans and vapor barrier specs by 10/1/07. DEC will receive notification when limits of excavation are reached for possible site visit.

08/13/07-Vought-Spoke to Wallace and received email from Wallace with site plan and proposed SSDS system and Wallace inquiring if proposed SSDS is sufficient. Vought cannot give approval until excavation is complete (and true soil conditons are known). Vought

called Wallace and required that he submit site plan with boring locations from 6/14/07 report. Site has to AOCs (one from tank in sidewalk and other from new area discovered on 8/9/07). Vought required PBS registration and collection of endpoints before final approval can be given of SSDS and sent email with above and email also noted that further delineation may be required upon submission of endpoint samples from two AOCs.

08/20/07-Vought-Received site maps with boring locations via email from Wallace. DEC requires: 1)vapor barrier 2)SSDS 3)endpoint sampling at foundation depth 4)PBS registration. Attached to email was site plan with boring locations and endpoint sampling locations. Site plan has "area to be excavated for foundation, potentially impacted by tank (50'x50')."

08/23/07-Vought-Email request from Wallace for approval to begin construction of foundation and vapor barrier. "During the course of the excavation for footings on the east side, where the UST was located that precipitated this spill number, contaminated soil was removed. Samples from this pile did show some VOCs." DEC requires: 1)submission of VOC analyticals for endpoint samples. 1)subission of vapor barrier and SSDS specs including site plan 3)endpoint sampling at foundation depth for VOCs 4)PBS registration. Vought sent email of above requirements and requirement of formal report before approval for construction is given.

09/14/07-Vought-Received specifications of SSDS from Croxton Collaborative Architects PC (212-683-199) including negative pressure throughout entire sub-slab area, installation of vapor barrier and suction fan at roof. Vought also received plans for SSDS. Vought also received and reviewed NYSDEC Closure Report submitted by Ambient Group dated 8/30/07. Depth of endpoint samples was 38-40'bg. Report request No Further Action. Endpoint samples from initial tank removal only showed chrysene exceedences. Borings performed in June 2007 showed contamination at B1 (12'bg), B3(12'bg), B4(12'bg). B5(12'bg), B6(12'bg), B7(8'-12'bg). "The clay layer with odor resides at approximately elevation 38' and thus will not be disturbed during foundation excavation, except for areas of footings." Site plan shows collection of 21 endpoint samples, analytical results are for six soil borings. Soil analyticals show:360ppb n-butylbenzene(SB5 15-17'), 996ppb sec-butylbenzene(SB15 15-17'bg), 375ppb isopropylbenzene(SB5 15-17'bg)

DEC requires: 1)groundwater sample from sidewalk next to tank 2)placement of soil borings and endpoint samples results on SSDS plan 3)endpoint sample analytical submission before SSDS approval can be given 4)collection of soil samples from under former tank locations.

9/14/07-Vought-Called Eileen (Ambient) and Sean on vacation. Vought left message for Sean and also left message for Fredrickson with above requirements.

9/26/07-Vought-Teleconference with Sean Wallace, Keith Cleversy (Ambient) and Darron Hapa (architect). Groundwater sample was collected from adjacent to tank location and analyticals submitted in 8/30/07 Closure Report and show no TOGs 1.1 Groundwater Quality exceedences. Groundwater sample collected from topographically downgradient location. Endpoint samples were also placed on figure submitted in 8/30/07 Closure Report and sample analyticals also submitted for VOCs in same report. Soil analyticals show no TAGM 4046 Soil Quality Objective exceedences and these samples were also collected from bottom of UST excavations. Spill closed by Vought and No Further Action Letter sent by Vought.

Map Identification Number 19 **RE-MO HOLDING CORP** **Spill Number: 0002349** **Close Date: 02/27/2003**
110 EAST 177TH ST BRONX, NY TT-Id: 520A-0007-254

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1407 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: ROSS YASGUR
DEC Investigator: TOMASELLO

Spiller: ROSS YASGUR - RE-MO HOLDING CORP
Notifier Name: AL EASTMAN & SONS
Caller Agency: RE-MO HOLDING CORP
Contact for more spill info: ROSS YASGUR

Spiller Phone: (718) 405-0505
Notifier Phone:
Caller Phone: (718) 405-0505
Contact Person Phone: (718) 405-0505

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/24/2000		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

BOTTOM OF TANK WAS LEAKING

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 20 **Spill Number: 9807803** **Close Date: 02/09/2004**
1777 GRAND CONCORSE BRONX, NY TT-Id: 520A-0010-058

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1410 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: 1777 GRAND CONCOURSE
Revised zip code: 10453

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: ANTHONY LAYRA
DEC Investigator: RWAUSTIN

Spiller: MARTIN SCHARFF - 1777 RELATY CORP
Notifier Name: MARTIN SCHARFF
Caller Agency: PETROLEUM TANK
Contact for more spill info: ANTHONY LAYRA

Spiller Phone: (516) 569-4119
Notifier Phone: (516) 569-4119
Caller Phone: (718) 624-4842
Contact Person Phone: (718) 624-4842

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/25/1998		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	30.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

CALLER RESPONDED TO ABOVE LOCATION FOR CLEAN UP OF ABOVE MATERIAL.

CLEAN UP CREW ON SCENE AND MOST OF MATERIAL EXPECTED TO BE

RECOVERED. NO CALL BACK REQUESTED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
2/9/04 - AUSTIN - SPLL INTO SEWER FROM OVER 5 YEARS AGO - CLOSED - ORIG. ASSIGNED TO ENGELHARDT - END

Map Identification Number 21 **ST MARGARET MARY RECTORY** **Spill Number: 9912520** **Close Date: 07/19/2006**
1914 MORRIS AVE BRONX, NY TT-Id: 520A-0008-976

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1465 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: EDDIE DAVID - ST MARGARET MARY RECTORY Spiller Phone: (718) 299-4233
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: BOB HAYMAN Caller Agency: RND SERVICES Caller Phone: (914) 682-8585
DEC Investigator: JCGRATHW Contact for more spill info: EDDIE DAVID Contact Person Phone: (718) 299-4233

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/02/2000		TANK FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

1500 GAL UNDERGROUND TANK TOOK ON WATER AND DISPERSED OIL INTO SURROUNDING GROUND. EXCAVATION OF TANK TOP WILL BE UNDERWAY.

DEC Investigator Remarks:

6/14/06 - DEC Spill Lead changed to "GRATHWOL".

6/15/06 - Eddie David, listed as Superintendent on this spill report, has retired. Met with Manny Batista, Superintendent. Mr. Batista was very helpful during the inspection. Inspected petroleum tank. Tank in excellent condition, like new. No spill on floor of tank area. No petroleum odors. Explained to Mr. Batista that I needed invoice for tank repairs to close out the spill. I was provided a church bulletin and asked to call Father Arce on the 19th.

6/19/06 - Spoke with Father Arce and explained the procedure necessary to close this spill project. Fr. Arce will locate the invoice and FAX it to the Department.

7/18/06 - Invoice located and will be faxed to the Department. Spill will be closed upon receipt of this invoice.

7/19/06 - Invoice documenting petroleum tank clean up and cancelled check to pay for this work received from Fr. Arce today. Spill closed.

Map Identification Number 22 **1840 PHELAM PL/BX** **Spill Number: 9009970** **Close Date: 10/07/1992**
1840 PHELAM PLACE NEW YORK CITY, NY TT-Id: 520A-0013-334

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1548 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: 1840 PHELAN PLACE
Revised zip code: 10453

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CASSI MGNT CO	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	BOB DECK	Caller Agency:	PETRO TANK CLEANERS	Caller Phone:	(718) 624-4842
DEC Investigator:	BATTISTA	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/13/1990	10/07/1992	TANK FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

2.5K TANK FAILED PRESSURE TEST ON LINE, IN TANK LEAK IN VAULT, PETRO TANK CLEANERS TO CLEAN UP & RELINE TANK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 23 **1916 GRAND CONCOURSE/BX** **Spill Number: 8910174** **Close Date: 02/12/2003**
1916 GRAND CONCOURSE NEW YORK CITY, NY TT-Id: 520A-0007-968

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2019 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:		Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:	TONY SIMONE	Caller Agency:	A L EASTMOND	Caller Phone:	(212) 378-3000
DEC Investigator:	SULLIVAN	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/23/1990		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	500.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SEAM TO 5K TANK OPENED DURING DELIVERY OF FUEL, MAJORITY OF FUEL ON BASEMENT FLOOR, SMALL QUANTITY ON SIDEWALK, WILL USE VAC TRUCK TO PICKUP FREE PRODUCT & PUMP OUT TANK, APPLIED SPEEDY DRY.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 24 **2084 GRAND AVE/BX** **Spill Number: 9006668** **Close Date: 11/22/1996**
2084 GRAND AVENUE BRONX, NY TT-Id: 520A-0011-368

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2252 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	DOUGURT MNGT CO.	Spiller Phone: (212) 231-2022
Notifier Type:	Other	Notifier Name:		Notifier Phone:
Caller Name:	GARLAND MCARDLE	Caller Agency:	COASTAL OIL	Caller Phone: (718) 746-2412
DEC Investigator:	MCTIBBE	Contact for more spill info:		Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/17/1990		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	500.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL CONTAINED IN TANK ROOM.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
CLEANED BY RP.

Map Identification Number 25 **MAJOR DEEGAN EXPRESSWAY** **Spill Number: 9703316** **Close Date: 06/17/1997**
MAJOR DEEGAN EXPRESSWAY BRONX, NY TT-Id: 520A-0014-383

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 2615 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill:	COMMERCIAL VEHICLE	Spiller:		Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	OFFICE OF EMER. MNGT.	Notifier Phone:	(212) 374-5500
Caller Name:	SABINE HERARD	Caller Agency:	DEP	Caller Phone:	(718) 595-6700
DEC Investigator:	KSTANG	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/17/1997		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SADDLETANK RUPTURED - BEING CLEANED UP NOW - INTERSECTION OF 179TH ST

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
CLOSED, REFER TO 9703317.

Map Identification Number 26 **CUNY- BRONX COLLEGE** **Spill Number: 0409356** **Close Date: 04/17/2007**
WEST 181 STREET/UNIVERSIT BRONX, NY TT-Id: 520A-0011-364

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING - LARGE SITE
Approximate distance from property: 2639 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10453

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Other
Caller Name: RANDY WAIBEL
DEC Investigator: HRPATEL

Spiller: MARTIN PULVER - CUNY- BRONX COLLEGE
Notifier Name: RANDY WAIBEL
Caller Agency: OBRIEN & GERE
Contact for more spill info: MARTIN PULVER

Spiller Phone: (718) 289-5555
Notifier Phone: (315) 437-6100
Caller Phone: (315) 437-6100
Contact Person Phone: (718) 289-5555

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/19/2004		TANK FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Tipple conducted site visit. Letter sent outlining requirements for cleanup.

12/24/04 Letter from O'Brien & Gere indicaing the cleanup/ investigation will proceed, no start date is noted.

12/19/05 Feroze. Spill is transferred from Ketani to .
12/28/05. Mr. Martin pulver is called and a message is left for him to inform DEC the present status of that situation. A letter is sent to O'BRIEN & GERE to inform DEC about their actions to clean up debris, old tank and to close the old tank.

02/09/06. Feroze. Called O'brien & Gere and left a message them.
02/24/06 Feroze, Talked with Mr. Martin Pulver 718-289-5555, he said that he would talk with O'Brian and Gere that worked on that site. He will inform DEC about remediation actions.
03/15/06. Spill is transferred from Feroze to Kumer Patel.

04/06/06-Hiralkumar Patel. Called at O'Brien & Gere. Randy is no longer working at this company. Left message for Scott Scheidelnan, who is handling now.

04/17/06-Hiralkumar Patel. Spoke with Scott and he gave me number of Mr. Dipasca, who can tell that who is handling this case, as he was handling previously.
Mr. Dipasca
(732) 225-7380 Ext.
Spoke with Peter Dipasca at Edison office of Obrien & Gere. he told me that Randy Waibel was handling this case previously and was working in Syracus office of NJ. Peter is new to the company and only thing he has the letter that Randy sent out to Mike Tipple at DEC. Peter has sent out copy of this letter to Feroze. now Peter is not handling this matter and Michael Spath from University of NY is handling themselves. asked Peter to get file from Syracus office as he doesn't know that what kind of work done after spill reported.

Michael Spath
CUNY Environmental Compliance Manager
535 East 80th Street
5th Floor
New York, NY 10021
Ph.: (212) 794 - 5590
Email: Michael.Spath@mail.cuny.edu

PBS #: 2-107204. as per PBS records, site has 13 in service tanks and 4 closed-in place tanks.
* 13 in service tanks
* 4 closed in place tanks
* 7 USTs
* 4 closed in place tanks are AST in concrete vault.
* total capacity of tanks on site is 113855 gal.
* 11 tanks are in use to store #2 fuel oil
* 1 AST (700 gal) is in use to store Diesel
* 1 UST (1000 gal) is in use to store Gasoline.
* 4 closed-in place tanks are AST of 15,000 gal capacity each were in use to store #6 fuel oil.
* all USTs currently in use are due for tank test.

Tried phone number on PBS records for Person name Manny Ballen, but he is no longer working and operator transfer me to power plant. spoke with Anthony Johnson and he told me that Chief Engineers left for the Day. i can contact them tomorrow after 9 O'clock.
Chief Engineer: Michael Dillon & Tyrone Fleming (718) 289-5258.

Left message for Michael Spath. Received call from Mr. Spath and as per him Woodard and Currn Engineering is handling environmental problem at site. some one from this company will call me during week. as per his records, they have done tank test and sent test result to Benjamin Conlon at DEC. he will send copies throug email again.

04/18/06-Hiralkumar Patel. REceived email from Mr. Spath with report. report included tank test results of six tanks only. among these six tanks, 4 tanks of 25,000 gal capacity storing #2 fuel oil, one tank is 1,000 gal capacity storing #2 fuel oil and one tank of 1,000 gal capacity stroing gasoline. this report doesn't include seventh tank of 10,000 gal capacity storing #2 fuel oil. send out email to Mr. Spath requesting information about this seventh tank and contact information about person who is handling environmental matter for university.

04/19/06-Hiralkumar Patel. Received call from Jack O'Neill, who is handling cleaning activities of tanks at site. as per him, they are planning to abondened the four ASTs that are currently not in use. these tanks were in use to store #6 fuel oil and tanks are in concrete vaults. Jack will open vault and clean it. if he finds any cracks on floor or any abnormal situation, he will notify the Department. i also asked him about seventh UST whose tank test data is not available. he will find it and call back.

05/05/06-Hiralkumar Patel. Received email from Michael Spath. the seventh UST was installed in 2002, so its due to tank test in 2007. as i was looking in tank test results that Mr. Spath send me before, found that the tests were done on 09/14/2004. but the tank test failure reported on 11/19/2004. send eamil to clarify this and to send if he has any new test results.

05/16/06-Hiralkumar Patel. Resend email to Mr. Spath. Received email from Mr. Spath. currently he is out of town. will contact soon.

06/05/06-Hiralkumar Patel. Resend email to Mr. Spath.
06/06/06-Hiralkumar Patel. Received email from Mr. Spath. he is looking for the tank which had leak in it.

Received another email from Mr. Spath stating that the tank, which was reported leaking, is one of four #6 tanks at Bliss Hall. Woodard & Curran Engineering is working on work plan to premanently closing these tanks.

Send email to Mr. Spath to find out which tank had problem and details about work done to correct this leaking tank.

08/14/06-Hiralkumar Patel. spoke with Mr. Spath. they are in process of hiring contractor to abandon four previously closed ASTs. asked Mr. Spath to test each tanks at location whose bottom is unvisible. he will call once he gets contractor.

11/27/06-Hiralkumar Patel. visited site. met Tyrone Fleming (718-289-5258), facility supervisor at university. as per Mr. Fleming, none of the active tanks has any problem. but there is oil spill from one of four 15000 gal "Closed-In Place" tanks. these tanks are located in Bliss Hall in concrete vault. this vault was in use as Coal storage in past and then they converted this storage into tank vault. spoke with Mike at facility. Mike was in this vault couple of months ago and he noticed oil inside vault. as per Mike, these tanks are out of service since 1984 and oil level readings in all these four tanks are constant since then. these tanks were in use to store #6 oil. from these four tanks, tank #2 has about 60% of oil and remaining three tanks has about 9" of product/sludge in it. all tanks are off-ground on legs. all lines to & from tank are aboveground. Mike hasn't noticed any oil leaking from any tank at time of his observation in tank vault. Mike mentioned that floor was not solid concrete when tanks were installed and he believed some oil may hit ground. Mike believe this oil spill may happened before 1984. spoke with Mr. Spath. they are in process of hiring contractor for spill cleanup and tank abandonment. asked Mr. Spath to call the Department with Contractor's name and number once they finalize it.

sent out letter to Mr. Spath requiring endpoint sampling. letter emailed to Mr. Spath.

12/13/06-Hiralkumar Patel. received message from Ms. Hundley. spoke with Ms. Hundley. she asked copy of emails from Mr. Spath. she will be futher contact on this case. they hired O'Brian & Gere for further cleanup and will send final report at end of work.

Esther Hundley
Safety Officer

City Uuiversity of NY (CUNY)
555 w 57th Street
10th Floor
New York, NY 10019
Ph.: (212) 541-0430
Email: esther.hundley@mail.cuny.edu

forwarded all emails that i received from Mr. Spath. sent copy of CSL to Ms. Hundley in email.
email sent to Ms. Hundley came back undelivered. left message for Ms. Hundley.
received call from Ms. Hundley. she gave current email address. sent email again to Ms. Hundley.

01/09/07-Hiralkumar Patel. left message for Ms. Hundley to provide contractor's info who will going to do required soil investigation.
received call from Ms. Hundley. they have hired O'Brien & Gere and under them, AB Environmental working at site. AB environment visited site last week and took some sample from product inside tank. they are planning to remove product from tanks on 01/16/07 and after removing tank, will do geoprobe to find any contamination.

02/14/07-Hiralkumar Patel. received call from Ms. Hundley. they finished removing sludge from three tanks out of four. fourth tank had about 10000 gal #6 oil in it and contractor is removing it currently. as per Mr. Hundley, tanks are sitting on cement floor inside concrete vault. as per her, vault floor is solid and if there was any oil spilled inside tank vault was contained at that time. once they remove oil from fourth tank, they will powerwash all four tanks. asked Ms. Hundley to submit report with condition of tank vault.

03/01/07-Hiralkumar Patel. received call from Ms. Hundley. she asked about requirement of cleaning lines of #6 oil tank. she mentioned that as per PBS regulations, lines must be free of oil/sludge. but as these lines were out of service for last 20 years, #6 oil got solidified in it and now it is very hard to removed from lines. discussed with DEC Jacob. he suggest to cap off these lines without any cleaning as it has #6 oil which has solidified. asked Ms. Hundley to cap off these lines without cleanint it.

03/13/07-Hiralkumar Patel. received call from Ms. Hundley. she asked whether she has to re-register #6 tanks which were closed 20 years ago. she asked because they cleaned out tanks now and closed these properly. told Ms. Hundley that as tanks were out of service for last 20 years, may not requires re-registration, but will call back once check with DEC Jacob.

04/17/07-Hiralkumar Patel. received tank closure report. based on available reports and informations, case closed.

NFA sent to Ms. Hundley. letter emailed to Ms. Hundley.

tank test result copy that i had from Mr. Spath, i gave that to Brian to update tank test date in PBS Record.

CLOSED STATUS TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 27 **SHIELD SCHOOL** **Spill Number: 8802473** **Close Date: 10/02/1992**
ANDREWS AV NYC, NY TT-Id: 520A-0010-071

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 958 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 1800 ANDREWS AV S
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	SAME	Spiller Phone:	(718) 886-1534
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:	
Caller Name:	AL RADH	Caller Agency:	FENLEY & NICHOL	Caller Phone:	(516) 586-4900
DEC Investigator:	BATTISTA	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
06/17/1988	10/02/1992	TANK TEST FAILURE	2-335452	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

5K TANK, L R = -0.37267 GPH

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 28 **1800 ANDREWS AV/BX/SHIELD** **Spill Number: 8800172** **Close Date: 10/02/1992**
1800 ANDREWS AVE NEW YORK CITY, NY TT-Id: 520A-0010-070

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 958 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 1800 ANDREWS AVE S
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: SHIELD INSTITUTE Spiller Phone: (718) 886-1534
Notifier Type: Tank Tester Notifier Name: Notifier Phone:
Caller Name: SCOTT SCHUCK Caller Agency: FENLY AND NICHOL Caller Phone: (516) 586-4900
DEC Investigator: BATTISTA Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
04/06/1988	10/02/1992	TANK TEST FAILURE	2-335452	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

5K TANK SYSTEM FAILED HORNER EZY CHECK WITH A GROSS LEAK, WILL EXCAVATE, ISOLATE AND RETEST. CONTACT: SARAH HORNE (718)-886-1534.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 29 **1985 DAVIDSON AVENUE** **Spill Number: 0111936** **Close Date: 03/03/2003**
1985 DAVIDSON AVENUE BRONX, NY TT-Id: 520A-0011-928

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1105 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Tank Tester
Caller Name: RENE LEWIS
DEC Investigator: JBVOUGHT

Spiller: LARRY-APEX - 1985 DAVIDSON AVENUE
Notifier Name: ROBERT QUARTEZ
Caller Agency: A L EASTMAN & SON
Contact for more spill info: RENE LEWIS

Spiller Phone: (718) 220-4200
Notifier Phone: (718) 378-7000 ext. 2
Caller Phone: (718) 378-7000 ext. 2
Contact Person Phone: (917) 299-7257

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/19/2002		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	3000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TANK TEST FAILURE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
03/03/03-close spill.

Map Identification Number 30 **1764 UNIVERSITY AVE/BX** **Spill Number: 9009553** **Close Date: 01/08/1991**
1764 UNIVERSITY AVENUE NEW YORK CITY, NY TT-Id: 520A-0009-955

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1144 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10453

Source of Spill: GASOLINE STATION Spiller: MOBIL Spiller Phone: (516) 239-0366
Notifier Type: Responsible Party Notifier Name: Notifier Phone:
Caller Name: SCOTT GOTTSCHALL Caller Agency: MOBIL OIL Caller Phone: (703) 849-5319
DEC Investigator: SULLIVAN Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/1990	01/08/1991	TANK TEST FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

LINE TEST, FAILED PETRO TITE, LEAK RATE -.016GPH, TO REPAIR & RETEST.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 31 **R. G. ORTIZ FUNERAL HOME** **Spill Number: 0509326** **Close Date: 12/28/2005**
60 EAST TREMONT AVE BRONX, NY TT-Id: 520A-0011-394

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1208 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 60 E TREMOUNT AVE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	JOHN WHEAT - UNKNOWN RESIDENCE	Spiller Phone:	(718) 293-0727
Notifier Type:	Tank Tester	Notifier Name:	ABRAHAM WEXLER	Notifier Phone:	(718) 731-7011
Caller Name:	ABRAHAM WEXLER	Caller Agency:	NYC TANK TEST	Caller Phone:	(718) 731-7011
DEC Investigator:	rvketani	Contact for more spill info:	JOHN WHEAT	Contact Person Phone:	(718) 293-0727

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/03/2005		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	550	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

NO REMARKSS.

DEC Investigator Remarks:

Property owner as per Property Shark is:

R G Oritz Funeral Home
524 Southern Blvd
Bronx, NY 10455-4600

11/7/2005 Property is in the process of being sold and potential purchaser hired NYC Tank Test to test the tanks. Tank failed.

Nov. 7, 2005
A "Tank Test Failure Letter" was sent to:

Facilities Manager
R G Ortiz Funeral Home
524 Southern Blvd

Bonx, NY 10455-4600

11/21/05 - Raphael Ketani. Dan Florio ((718) 585-6200) of Ambassador Fuel called me up to say that he received the tank test failure letter from DEC, but that the site, the R G Ortiz Funeral Home, has been closed for 1 1/2 years with no tenants and no oil deliveries. Mr. Florio said that he and Mr. Ortiz, the owner of the property, would have had to have been notified that someone wanted to do a tank test in order to let them in as the door is chained and locked. He asked that I find out the true address of the place that was tank tested and send him a letter stating that the DEC letter was sent to the wrong address. Mr. Florio added that the tank is 1,080 gals., above ground, and hasn't had a delivery in 1 1/2 years as the building is unused. I told him I would contact NYC Tank Testing and find out where they really went to test a tank.

I called up NYC Tank Testing ((718) 731-7011) and asked for Mr. Wexler. The person on the other end said that on November 7, 2005 they did a tank test of a 550 tank. He told me that it was an old funeral home at 58-62 East Tremont Ave. in the Bronx. He said that the potential buyer let Mr. Wexler into the building for the tank test.

Mr. Wexler called me, by chance, and I spoke to him about the site. He said that the correct address is 60 East TREMONT. Mr. Wexler said that the leak was in the fill or vent pipe of the 550 gal. tank. I then called up Ambassador Fuel and told George that it was the potential buyer who let Mr. Wexler into the building and that the leak was in the fill or vent line. I told George to call NYC Tank Testing and work out what needs to be done to fix the pipes and check the soil under the tank. He said he would.

12/28/05 - Raphael Ketani. I spoke to Mr. Florio. He said that the tank passed after the vent line was replaced. He said there was only a little bit of staining on the wall where the vent line passed through and no staining on the floor or around the tank. He said he would send me a FAX of the passing tank test.

I received the FAX and I am closing the case.

1/17/06 - Dan of Ambassador Oil called saying that his customer, Michael Ortiz (owner of the property), wants an NFA letter to present to the new buyers of the property. I will send Mr. Ortiz the letter to the 524 Southern Blvd. address.

1/24/06 - Raphael Ketani. Brinne (bree-an) Lucyk of Davis Polk (law firm; (212) 450-4861) called to find out what was the basis for my closing the spill case. I told her it was the passing tank test.

1/25/06 - Raphael Ketani. Myles Mahoney (owner's lawyer) called to find out what the NFA letter represents. I told him that it is sent when a spill has been remediated to the satisfaction of the DEC. I told him that there really wasn't a spill, just a failed tank test which later passed.

Map Identification Number 32 **1775 GRAND CONCOURSE** **Spill Number: 9107637** **Close Date: 04/29/1994**
1775 GRAND CONCOURSE BRONX, NY TT-Id: 520A-0010-050

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1403 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	NY TEL CO	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:	S SCHUCK	Caller Agency:	F & N	Caller Phone:	(516) 586-4900
DEC Investigator:	MCTIBBE	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/16/1991	04/29/1994	TANK TEST FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

E I & R - 15000K #2 DIESEL TANK - REFER TO SPILL #94-01422.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
TRANSFERED FROM TANG TO TIBBE.

REFER TO 94-01422.

SEE ALSO 91-06469 & 93-03638.

Map Identification Number 33 **PS 104 ANNEX BLDG** **Spill Number: 0505563** **Close Date: 05/10/2006**
108 WEST 174 BRONX, NY TT-Id: 520A-0010-068

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2024 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: 108 W 174TH ST
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Tank Tester
Caller Name: CHRIS GORGA
DEC Investigator: HRPATEL

Spiller: CHRIS GORGA - PRIVATE RSIDENCE
Notifier Name: CHRIS GORGA
Caller Agency: PETROLEUM TANK CLEANERS
Contact for more spill info: CHRIS GORGA

Spiller Phone: (646) 772-1404
Notifier Phone: (646) 772-1404
Caller Phone: (646) 772-1404
Contact Person Phone: (646) 772-1404

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/05/2005		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	2500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TESTED TANK ONLY:

DEC Investigator Remarks:

Sangesland spoke to Chris Gorga at PTC. He said the tank failed a "Tank Only Test" and will probably NOT be repaired. Owner needs to determine the next step.

TTF Ltr sent to PBS owner: PBS #2-605027

NYC Board of Education
Office of Building Services
28-11 Queens Plaza North

Long Island City, NY 11101

1/18/2005 JZ: Tank was removed in August 2005. Although it was indicated a dry leak on test report, subsurface investigation is definitely necessary.

1/9/2006 - JZ: As per Randy's direction, this spill is reassigned to Feroze.

03/15/06. Spill is transferred from Feroze to Kumer Patel.

04/27/06-Hiralkumar Patel. Tried numbers in PBS records. (718) 391-6000 is busy and (212) 477-9020 is out of service. Spoke to Chris and he asked me call back after 3:00 PM today, as he needs to look out in computer.
05/10/06-Hiralkumar Patel. spoke to operator at Petroleum. they have removed tank and installed new tank. old tank was in basement. Petroleum did this work for Abco Facilities (718-816-7575). Spoke with Donna at Abco facilities. as per Donna tank was AST and no oil stains on floor. no contamination around tank. told Donna to update PBS records, as records shows it is UST.

based on available information, case is closed.

Map Identification Number 34 **ST THOMAS LUTHERAN CHURCH** **Spill Number: 0103200** **Close Date: 07/12/2005**
222 E 178TH ST BRONX, NY TT-Id: 520A-0007-375

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2313 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	ST THOMAS LUTHERAN CHURCH	Spiller Phone:	
Notifier Type:	Tank Tester	Notifier Name:	PHIL FAZIN	Notifier Phone:	(516) 939-2959
Caller Name:	PHIL FAZIN	Caller Agency:	CROWN LEAK DETECTION	Caller Phone:	(516) 939-2959
DEC Investigator:	TXSMITH	Contact for more spill info:	REV ERIC MATSEN	Contact Person Phone:	(718) 583-8576

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/22/2001		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	2000	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

TANK TEST FAILURE NO SPILLAGE NO CALLBACK NECESSARY

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"

7/12/05 TAS
As stated in the remarks, tank test failure with no spillage and no callback necessary. Therefore the spill is closed.

Map Identification Number 35 **CLOSED-LACKOF RECENT INFO** **Spill Number: 9802018** **Close Date: 02/19/2003**
221 E. 173RD ST BRONX, NY TT-Id: 520A-0008-782

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2479 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Responsible Party
Caller Name: JOHN LEDDY
DEC Investigator: ADMIN. CLOSED

Spiller: JERRY JONES - APARTMENT HOUSE
Notifier Name: A LOPEZ
Caller Agency: PROTEST ENTERPRISES
Contact for more spill info: JERRY JONES

Spiller Phone: (718) 731-7854
Notifier Phone: (516) 321-4670
Caller Phone: (516) 321-4670
Contact Person Phone: (718) 731-7854

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/15/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	5000	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

tank test failure no spill unk further.

CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 36 **JONAS BRONCK HOUSING** **Spill Number: 9800639** **Close Date: 07/22/2005**
230 EAST 179TH STREET BRONX, NY TT-Id: 520A-0008-766

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2512 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: JOHN LEDDY
DEC Investigator: JJDRUMM

Spiller: FATHER ERIC MATHSEN - JONAS BRONCK HOUSING
Notifier Name: ALBERTO LOPEZ
Caller Agency: PRO-TEST ENTERPRISES
Contact for more spill info: FATHER ERIC MATHSEN

Spiller Phone: (718) 922-5636
Notifier Phone: (516) 321-4670
Caller Phone: (516) 321-4670
Contact Person Phone: (718) 299-5636

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/14/1998		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
1	12000	Horner EZ Check I or II	0.00	FAIL

Caller Remarks:

TANK TO BE ISOLATED AND RETESTED.

DEC Investigator Remarks:

Spill assigned to James Drumm for SCI
caller should say PRO-TEST, not PROTEST

7/18/05
received results of passing tank test performed on 5/15/98

Map Identification Number 37 **CLOSED-LACKOF RECENT INFO** **Spill Number: 8708931** **Close Date: 03/13/2003**
230 EAST 179TH ST NEW YORK CITY, NY TT-Id: 520A-0007-897

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2512 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	OWNER(JONAS BRONCK HSG CO	Spiller Phone: (212) 399-5636
Notifier Type:	Tank Tester	Notifier Name:		Notifier Phone:
Caller Name:		Caller Agency:		Caller Phone:
DEC Investigator:	ADMIN. CLOSED	Contact for more spill info:		Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/29/1987		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

12K TANK SYSTEM FAILED TEST, AT PRESENT SUSPECT FUEL PIPE LEAK.

CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 38 **CLOSED-LACKOF RECENT INFO** **Spill Number: 8708460** **Close Date: 02/18/2003**
230 EAST 179TH ST NEW YORK CITY, NY TT-Id: 520A-0007-895

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2512 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: JOANAS BRONCK HOUSING Spiller Phone: (212) 299-5636
Notifier Type: Tank Tester Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: ADMIN. CLOSED Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/29/1987		TANK TEST FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

12K TANK FAILED WITH A LEAK RATE OF -1.37GPH, TANK REPAIRED AFTER PUMPING TO FIND LEAK. CONTACT: FR. MATHESON (212) 299-5636.

CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

CLOSED STATUS UNKNOWN CAUSE SPILLS AND OTHER CAUSE SPILLS IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 39 **1765 DAVISON AVE** **Spill Number: 9110836** **Close Date: 11/20/1995**
1765 DAVISON AVE BRONX, NY TT-Id: 520A-0012-097

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 507 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 1765 DAVIDSON AVE
Revised zip code: 10453

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:		Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:	INGO	Caller Agency:	ABC TANK	Caller Phone:	(718) 272-2800
DEC Investigator:	SIGONA	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/17/1992		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	1000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CONTAINED IN TANK ROOM. 16:40 SPOKE W/ ABC - SAID NO FUEL IN STORM DRAINS, AND IS AWAITING INSTRUCTIONS FROM CALLER TO CLEAN UP.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

DEC SIGONA INSPECTED SPILL ON 11/20/95 FOUND THE SPILL TO BE PROPERLY CLEANED UP, AND CONCRETE SURFACES FREE OF ANY SIGNIFICANT

OIL CONTAMINATION EXCEPT FOR SOME MINOR STAINING. THE FACILITY HAS A 4,000 GALLON ABOVEGROUND #4 FUEL OIL TANK. THE TANK HAD SOME EXTERNAL CORROSION WITH SOME SCALING OF THE STEEL SHELL. TOLD PROSPECTIVE BUYER THOMAS J. METALLO-GREAT AMERICAN CONSTRUCTION CORP TO CONSIDER TANK CLEANING AND INTERNAL INSPECTION TO DETERMINE STRUCTURAL INTEGRITY OF THE TANK. THE FACILITY USED A WOOD PLANK TO ACCESS THE TOP OF THE TANK FOR GAUGE READINDS OR CEILING REPAIRS? THE PROPERTY IS IN TRANSITION BECAUSE PREVIOUS OWNER DEFAULTED ON LOAN TO CHASE MANHATTAN. LETTER SENT OUT TO THOMAS METALLO AT 629 FIFTH AVE, PELHAM, NY 10803 ON 11/20/95.

Map Identification Number 40 **MANHOLE #3888926** **Spill Number: 9811131** **Close Date: 12/07/1998**
177TH ST & JEROME AVE BRONX, NY TT-Id: 520A-0014-177

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 509 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 177TH ST / JEROME AVE
Revised zip code: 10453

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	SAL FIUMERFREDDO - BELL ATLANTIC	Spiller Phone:	(718) 402-8533
Notifier Type:	Other	Notifier Name:	LORETTA D'ANGELO	Notifier Phone:	(516) 379-1500
Caller Name:	LORETTA D'ANGELO	Caller Agency:	MILRO ASSOCIATES	Caller Phone:	(516) 379-1500
DEC Investigator:	MCTIBBE	Contact for more spill info:	SAL FIUMERFREDDO	Contact Person Phone:	(718) 402-8533

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/04/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SPILL CREW ON SITE FOR CLEANUP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
CLEANED BY BELL ATLANTIC.

Map Identification Number 41 **SERVICE BOX 16900** **Spill Number: 0307519** **Close Date: 12/04/2003**
JEROME AVE/WEST 176 ST BRONX, NY TT-Id: 520A-0010-076

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 570 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: E 176TH ST / JEROME AVE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNKNOWN - UNKNOWN	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	SAME	Notifier Phone:	
Caller Name:	RON ELLIOTT	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	AERODRIG	Contact for more spill info:	RON ELLIOTT	Contact Person Phone:	(212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/16/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL UNK OIL ABOUT 1 PINT NOT RECOVERED AT THIS TIME

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
e2mis no. 150-770:

16-Oct.-2003 @ 12:05 hrs.

Q.A. Inspector Frank Bianca, #14829 was performing planning work when he found 2 gallons of sewage and 1 pint unknown oil in service box #16900. No sewers, waterways or private property affected. A sample was taken under chain of custody #DD06571. The clean up is pending sample results of the unknown oil and assignment of a contractor crew.

10/20/03 CLEAN UP COMPLETE. REMOVED 1/2 YD DEBRIS AND 100 GAL SOAP WATER FROM STRUCTURE. DOUBLE WASHED . NO SEWAGE IN SERVICE BOX.

10/21/03 NO VISIBLE SOURCE OF OIL COMING FROM STRUCTURE. SERVICE BOX HAS CEMENT FLOOR, NO SEWER CONNECTION AND NO VISIBLE SOURCE OF SEWAGE

AMD

Map Identification Number 42 **27 MOUNT HOPE PL** **Spill Number: 9707910** **Close Date: 10/06/1997**
27 MOUNT HOPE PL BRONX, NY TT-Id: 520A-0011-931

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 714 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Local Agency
Caller Name: KEITH WILLIAMS
DEC Investigator: MCTIBBE

Spiller:
Notifier Name:
Caller Agency: DEP
Contact for more spill info: EMANUEL DUTZMER

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-4752
Contact Person Phone: (718) 731-3286

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/04/1997		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SUBJ HAS CONTAMINATED SEWER WATER ENTERING THE RES -

UPON ARRIVAL RING THE BOTTOM BELL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
SEWER BREAK. PROBABLY A HOUSE CONTAMINATION. HANDLED BY DEP.

Map Identification Number 43 **SERVICE BOX 16891** **Spill Number: 0002003** **Close Date: 03/24/2004**
1745 JEROME AVE BRONX, NY TT-Id: 520A-0013-324

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 821 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	BILL MURPHY	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/17/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 gallon on 10 gallons water. con ed 131442. saples to be taken.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131442:

1 gallon unknown oil on top of 10 gallons of water in service box 16891. Cleanup pending sample results.

Lab Sequence Number: 00-04863 PCB < 1 ppm

5/18/00 Flush operator J. Rohe reports that the clean up in service box # 16891 is complete. Corporate tanker removed an oily sheen, and approx. 50 gallons of water. The flush crew power washed the structure twice and the wash water was removed by the tanker.

Map Identification Number 44 **SERVICE BOX 11844** **Spill Number: 9900460** **Close Date: 06/11/2002**
1839 UNIVERSITY AVE BRONX, NY TT-Id: 520A-0010-091

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 855 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	JOE DEVOTI	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	CAENGELH	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/13/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

1 gallon on 9 gallons water. con ed #124200

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
DEC INSPECTOR NOTES

5-13-99 E-Mailed ERTs for copy of E2MIS report.

CON ED E2MIS NOTES 5-13-99

Unknown oil found in SB-11844

Lab Sequence Number: 99-03780 Date Reported: 04/13/99

E2 Incident Number: 124200 Date Received: 04/13/99

Date Sampled: 04/13/99

Submitter: Fred Maiello

Description: WATER OIL-S/B#11844,UNIVERSITY ACE.: BRONX

OIL IDENTIFICATION ANALYSIS: SB 11844 - analysis indicates the sample is similar to a light fuel oil.

APRIL 13, 1999 BX I&A SERV FOUND APPROX 1 GAL OF OIL IN 9 GALLONS OF WATER. TAG #9699 WAS PLACED AND SAMPLE WAS TAKEN. THERE IS NO SUMP OR SEWER DRAIN. SO WE CAN ASSUME OIL & WATER ARE CONTAINED IN STRUCTURE. CLEAN-UP PENDING RESULTS.

Lab Sequence Number: 99-03777 Date Reported: 04/14/99

E2 Incident Number: 124200 Date Received: 04/13/99

Date Sampled: 04/13/99

Submitter: Fred Maiello

Description: OIL WATER-S/B 11844,1839 UNIVERSITY AVE;BRONX

PCB <1ppm.

Lab Sequence Number: 99-03846 Date Reported: 04/15/99

E2 Incident Number: 124200 Date Received: 04/14/99

Date Sampled: 04/14/99

Submitter: LARRY FISCHER

Description: WATER & OIL-S/B # 11844: OPP. 1839 UNIVERSITY AV

FLASHPOINT > 155 F

APRIL 15,1999

CLEANUP COMPLETED AT 13:20 HRS

Map Identification Number 45 **THREE GAL ANTIFREEZE IN SB 9677** **Spill Number: 0705954** **Close Date: 09/20/2007**
WALTON AVENUE & MT. HOPE PLACE BRONX, NY TT-Id: 520A-0006-447

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 915 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: WALTON AVE / MOUNT HOPE PL
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Responsible Party
Caller Name:
DEC Investigator: gdbreen

Spiller: CON EDISON
Notifier Name:
Caller Agency:
Contact for more spill info: ERT DESK

Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/25/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
ANTIFREEZE	OTHER	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CLEAN UP PENDING LAB RESULTS. CON ED REF 207723

DEC Investigator Remarks:

09/20/07 - See eDocs for Con Ed report detailing cleanup and closure.

207723. see eDocs

Map Identification Number 46 **Spill Number: 0207086** **Close Date: 10/23/2003**
1791 WALTON AVE BRONX, NY TT-Id: 520A-0010-059

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 956 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	VACANT PROPERTY	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	NICK RECCHIA	Notifier Phone:	(516) 746-4400
Caller Name:	NICK RECCHIA	Caller Agency:	EEA INC	Caller Phone:	(516) 746-4400
DEC Investigator:	JBVOUGHT	Contact for more spill info:	NICK RECCHIA	Contact Person Phone:	(516) 746-4400

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/09/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER AGENCY DOING PHASE 2 GROUND TESTING AT VACANT LOT AND FOUND CONTAMINATION. THERE USE TO BE A RESIDENCE ON SITE. CALLER REQUEST CALLBACK TODAY.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
10/9/02 9:52

Spoke to Nick Recchia

He is working for the owner/developer:

Ismael Fernandez

c/o

Michael Wengroff

WR Capital Advisors, LLC

61 West 74th Street - Suite 2B

NY, NY 10023

He received results from soil borings performed across a vacant lot. There are no known tanks. He encountered contaminated soil from 10-13' below grade, then clean soil until bedrock at 17'.

Groundwater was not encountered.

He ID'd the petroleum as Weathered Fuel Oil.

Phase II Results will be mailed to Vought.

OD/JMR.

11/27/2002-Vought-Left mesaage for Joan Tally (NYCHA-212-227-9374) that I had not received report as of yet (she called inquiring about review status). Also left message for Nick Rechia (516-746-4400) that I have not received report as of yet.

8/4/2003-Vought-File review by Vought:

4/2002-Phase I Site ESA-EEA-Property is an 11,000 square foot rectangular vacant lot covered by asphalt. Dry cleaners operated between 1977 and 1981. A phase II was conducted in 5/01 through the collection of six soil samples from depths of 10 to 20'. "Typical drycleaning products and their breakdown products were not included in laboratory analyses". Phase I recommends soil samples be taken for drycleaning constituents.

7/2002-Phase II ESA-EEA-purpose of Phase II was to investigate possible impact of dry cleaning operations. Analyticals indicated no drycleaning constituents above TAGM 4046 requirements. Four soil borings were performed in area of former drycleaning operations. Soil samples were obtained at depth of 17' below grade and also below "all fill materials". No drycleaning constituents in soil however up to 10000ppb napthalene(B3), 24000ppb 1,3,5-trimethylbenzene(B3) and 210ppb benzene(B4).

9/2002-Phase II ESA-EEA-purpose of Phase II was to determine extent of petroleum impacted soil. Ten soil borings performed on-site using Geoprobe. Groundwater was not encountered in any of the borings. Contamination found at depths ranging from 8 to 15'. Sample analyicals were not submitted with report.

10/18/02-Workplan for soil Remediation-EEA-Workplan proposal of soil excavation and subsequent collection of endpoint samples.

11/27/02-Vought-Sent email to Nick Recchia approving of soil excavation.

12/4/2002-Vought-Sent letter to EEA approving workplan with additional requirments of 1)Endpoint samples (EPA method 8270) 2)delineation of soil and groundwater contamination 3)Surrounding property sketch 4)analyticals from ten soil borings peformed on 9/02.

6/18/2003-Vought-Received Soil Investigation Summary from Jeffrey Shelkey (EEA-516-746-4400). On 7/12 soil samples were collected from two test pit excavations on-site for off site disposal documentation. Test pits were dug to maximum equipment reach (16-18' below grade). Contaminated soil found in TP-2. Soil samples were collected from 6' below interior spread footing for the building. EEA will continue with delineation of soil and groundwater contamination as required in a 12/4/02 NYSDEC letter. TPH analyticals indicate contamination is #2 fuel oil.

7/03-Vought-Spill Closure Report-EEA-Remedial action of soil excavation completed. Twelve endpoint soil samples collected. A total of 95.06 tons of soil were removed from site (disposal manifests provided). Report recommends no further action.

8/8/2003-Vought-NYSDEC requires 1)delineation of soil contamination to the east and west of former area of petroleum contamination (no endpoints or borings were collected from directly east or west of soil contamination) 2)submission of soil analyticals from ten soil borings performed on 9/2002 3)surrounding property sketch to scale including adjacent streets 4)Placement of former soil contamination area and all previous borings on site plan.

9/15/2003-Vought-Letter from EEA(Jeff Shelkey) to DEC. "Your request for soil borings on Townsend Avenue ...is not justified. Soil samples collected from the bottom of the excavation at SS-2 and SS-10 on the west side are sufficient to delineate the extent of contamination".

10/15/2003-Vought-email from Alan Serpa(EEA) to DEC Rommel that she review the site data with Vought for NFA reconsideration. Rommel required the following be addressed 1)submission of disposal analtyicals to indicate severity of contamination 2)reason for no samples on west side and 3)submission of analyticals from ten soil borings performed on 9/2002.

10/16/2003-Vought-Phone conversation with Shelkey to convey review with Rommel and requirements of 10/15/2003.

10/17/2003-Vought-Fax from Shelkey including 6/17/03 letter above describing test pits which were used for disposal characterization. Analyticals show no TAGM 4046 Soil Cleanup Objective exceedances.

10/18/2003-Vought-Spoke with Shelkey to inquire about submission of ten soil boring analyticals from 9/2002. Shelkey stated that the only soil sample that was sent for analysis was from boring SB5. Vought also inquired about reason for no samples directly on east and west side of contamination. Shelkey replied that endpoint samples were collected (four bottom and eight sidewall).

10/22/2003-Vought-Revied site data with DEC Rommel and spill closed at per Rommel due to clean endpoint sample analyticals which pass TAGM 4046 Soil Cleanup Objectives (excluding minor PAH exceedances attributable to fill material). Spill closed by Vought on 10/23/2003.

Map Identification Number 47 **SERVICE BOX 16890** **Spill Number: 0002001** **Close Date: 03/24/2004**
1709 JEROME AVE BRONX, NY TT-Id: 520A-0012-096

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 981 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: TONY LOPEZ
DEC Investigator: JHOCONNE

Spiller: CALLER - CON ED
Notifier Name:
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone: (212) 580-6763
Notifier Phone:
Caller Phone: (212) 580-6763
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/17/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

con ed #131441 company went into service box and found petroleum product

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131441:

1 gallon unknown oil on top of 10 gallons of water in service box 16890. Cleanup pending sample results.

Lab Sequence Number: 00-04861 PCB <1 ppm

5/18/00 Flush operator J. Rohe reports that the clean up in service box # 16890 is complete. Corporate tanker removed an oily sheen, and approx. 50 gallons of water. The Flush crew power washed the structure twice and the wash water was removed by the corporate tanker.

Map Identification Number 48 **BP AMACO** **Spill Number: 0606210** **Close Date: 09/05/2006**
1740 JEROME AVE BRONX, NY TT-Id: 520A-0012-095

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 984 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION
Notifier Type: Other
Caller Name:
DEC Investigator: SMSANGES

Spiller: ED WALDRON - BP AMACO
Notifier Name:
Caller Agency:
Contact for more spill info: ED WALDRON

Spiller Phone: (631) 300-5285 ext. C
Notifier Phone:
Caller Phone:
Contact Person Phone: (631) 300-5285 ext. C

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/30/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	3.00	GALLONS	3.00	GALLONS	SOIL

Caller Remarks:

CUSTOMER HELD NOZZEL OPEN CAUSING SPILL, IS CONTAINED AND ALL CLEANED UP:

DEC Investigator Remarks:

Surface spill - no mechanical problem - Human error
spill cleaned

Map Identification Number 49 **MANHOLE # 18889** **Spill Number: 9908558** **Close Date: 02/21/2002**
E TREMONT AV & DROME AVE BRONX, NY TT-Id: 520A-0009-389

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1100 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: E TREMONT AV / JEROME AV
Revised zip code: 10453

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: MARK SCHLAGEL
DEC Investigator: COMENALE

Spiller: UNKNOWN - UNKNOWN
Notifier Name: MARK SCHLAGEL
Caller Agency: CON EDISON
Contact for more spill info: MARK SCHLAGEL

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/14/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

5 GALS UNK OIL ON 100 GALS OF WATER - SAMPLE TAKEN CLEAN UP PENDING LAB RESULTS

CON ED # 128433

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 50 **NANHOLE #18889** **Spill Number: 9908174** **Close Date: 02/20/2002**
E TREMONT/JEROME AVE BRONX, NY TT-Id: 520A-0009-385

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1100 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: E TREMONT AV / JEROME AV
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name: MIKE CESARE
DEC Investigator: CAENGELH
Spiller: UNKNOWN - UNKNOWN
Notifier Name: MIKE CESARE
Caller Agency: CON EDISON
Contact for more spill info: MIKE CESARE
Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/05/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SAMPLE TAKEN- 4-6 HR TURN AROUND- THEN CLEANUP WILL BEGIN.

CON ED #128255

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

Map Identification Number 51 **SERVICE BOX 18893** **Spill Number: 0001618** **Close Date: 09/10/2009**
JEROME AVE/E TREMONT AVE BRONX, NY TT-Id: 520A-0006-980

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1100 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN - UNKNOWN	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	MS CANNER	Notifier Phone:	(212) 580-6763
Caller Name:	TED ROBICHAUD	Caller Agency:	CON ED	Caller Phone:	(212) 580-6763
DEC Investigator:	JMKRIMGO	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/09/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

UNK OIL ON SOIL IN SERVICE BOX - CLEANUP PENDING LAB RESULTS #131294

DEC Investigator Remarks:

09/10/09 - See eDocs for Con Ed report detailing cleanup and closure.

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 52 **MANHOLE 18890** **Spill Number: 0001615** **Close Date: 03/23/2004**
JEROME AVE AT W TREMONT NEW YORK, NY TT-Id: 520A-0009-008

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1100 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: JEROME AVE / W TREMONT AVE
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	MS CANNER	Notifier Phone:	(212) 580-6763
Caller Name:	STEVE ROMERO	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	STEVE ROMERO	Contact Person Phone:	(212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/09/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CLEANING UP AT 40 TO 499 PPM - CON ED NUMBER 131293

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131293:

two ounces of unknown oil in manhole #18890. Conduit plate #24G checked, there is a sewer connection. Sample taken.

Lab Sequence Number: 00-04547 PCB <1 ppm

Cleanup completed on 5-9-00 at 20:00. No visible oil found in manhole. Manhole flushed. No sewer connection found.

Map Identification Number 53 **1764 UNIVERSITY AVE/BX** **Spill Number: 8904142** **Close Date: 01/08/1991**
1764 UNIVERSITY AVENUE NEW YORK CITY, NY TT-Id: 520A-0009-957

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1144 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10453

Source of Spill: GASOLINE STATION
Notifier Type: Responsible Party
Caller Name: SHEILA HARPER
DEC Investigator: SIGONA

Spiller: MOBIL
Notifier Name:
Caller Agency: MOBIL
Contact for more spill info:

Spiller Phone: (212) 294-6908
Notifier Phone:
Caller Phone: (703) 849-5384
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/26/1989	01/08/1991	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	GROUNDWATER

Caller Remarks:

DURING TANK REPLACEMENT, 80 CUBIC YDS OF CONTAMINATED SOIL DISCOVERED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 54 **EXXON MOBIL # 17-KPY** **Spill Number: 0506867** **Close Date: 09/06/2005**
1764 UNIVERSITY AVE BRONX, NY TT-Id: 520A-0009-951

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1144 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10453

Source of Spill: GASOLINE STATION
Notifier Type: Other
Caller Name: JESSE GALLO
DEC Investigator: JBVOUGHT

Spiller: FRANK MASSENA - EXXON MOBIL #17-KPY
Notifier Name: JESSE GALLO
Caller Agency: GEOLOGIC SERVICES INC.
Contact for more spill info: FRANK MASSENA

Spiller Phone: (908) 730-2055
Notifier Phone: (845) 561-9890
Caller Phone: (845) 561-9890
Contact Person Phone: (908) 730-2055

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/06/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

Ethanol; was the material found in the lab results. This is a new additive in gasoline. Material was found in the groundwater.
Already an active case W/ DEC #0300047. Action is being taken under this spill number.

DEC Investigator Remarks:

9/6/05-Vought-This spill closed and referred to open spill #0300047 at same location. Spill closed by Vought.

Map Identification Number 55 **1764 UNIVERSITY AVE** **Spill Number: 0404708** **Close Date: 12/28/2004**
1764 UNIVERSITY AVE BRONX, NY TT-Id: 520A-0009-952

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1144 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	EXON MOBIL	Spiller Phone: (908) 730-2055
Notifier Type:	Other	Notifier Name:	JESSE GALLO	Notifier Phone: (845) 561-9890
Caller Name:	JESSE GALLO	Caller Agency:	GEOLOGIC SERVICES INC.	Caller Phone: (845) 561-9890
DEC Investigator:	JMROMMEL	Contact for more spill info:	EXON MOBIL	Contact Person Phone: (908) 730-2055

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/30/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	POUNDS	0	POUNDS	SOIL

METHYL-TERT-BUTYL ETHER (MTBE)	HAZARDOUS MATERIAL	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

B-tex and mtbe were found in the groundwater samples.

DEC Investigator Remarks:

No letter sent - 2 open spills already exist on this site.

12/28/04
Investigation and remediation to be tracked under spill numbers 0300047. See 0300047 for updates. Site managed in Central Office by Brian Davidson. Rommel

Map Identification Number 56 **MANHOLE #16889** **Spill Number: 0106113** **Close Date: 09/10/2004**
1705 JERONE AV BRONX, NY TT-Id: 520A-0010-072

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1146 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 1705 JEROME AV
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: ANTHONY NATALE
DEC Investigator: AERODRIG

Spiller: UNK
Notifier Name: JIM SIESFELD
Caller Agency: CON EDISON
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/07/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	1.00	GALLONS	SOIL

Caller Remarks:

1 PT OF UNKNOWN OIL ON 50 GLS OF WATER. CLEAN UP COMPLETED. CON ED #139351.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
e2mis no. 139351:

1 pint of unknown oil on 50 gallons of water in manhole 16889.

Lab Sequence Number: 01-08905-001 PCB 3 ppm

08-Sep-2001 0:12 Hrs

00:37 Hrs - Flush Crew (Cedeno and Quartler) begin cleanup.

01:57 Hrs - Flush crew reports finding service box has no floor.

02:15 Hrs - Flush crew reports cleanup complete and spill tag removed. 60 gallons of liquid removed by CFS tanker and 200# solids removed and contained in flush truck.

08-Sep-2001 02:26 Hrs

Flush Mechanic Ed Cedeno, #03384, reports service box is infront of Country Motors at 1705 Jerrome Ave, and Professioanl Mufflers and Auto Repairs at 1699 Jerrome Ave. Unknown oil has been found in other underground structures in the vicinity of SB 16889 during the past few weeks.

As per field inspection 10/2/03, EH&S Senior Specialist R. Browne reports: No visible sign of oil in manhole or surrounding area.

Map Identification Number 57 **22-20 E TREMONT AVE** **Spill Number: 8600955** **Close Date: 05/09/1986**
22-20 E. TREMONT AVE. BRONX, NY TT-Id: 520A-0010-088

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 1150 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Health Department	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RWAUSTIN	Contact for more spill info:		Contact Person Phone:	

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/09/1986	05/09/1986	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	GROUNDWATER

Caller Remarks:

FUMES IN BLDG.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
10/10/95: This is additional information about material spilled from the translation of the old spill file: ODORS(PETROLEUM).

Map Identification Number 58 **SERVICE BOX #9515** **Spill Number: 9914843** **Close Date: 03/27/2002**
110 E. 176TH ST BRONX, NY TT-Id: 520A-0010-048

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1176 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN - UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	TONY BUCCI	Notifier Phone:	(212) 580-6763
Caller Name:	TONY LOPEZ	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/31/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SHEEN ON 30 GAL OF WATER IN SERVICE BOX - SAMPLES TAKEN AND CLEAN UP PENDING RESULTS CON ED #130671

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 59 **JUNIOR HIGH SCHOOL 117** **Spill Number: 9913920** **Close Date: 01/05/2006**
1865 MORRIS AVE BRONX, NY TT-Id: 520A-0008-987

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1213 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:	SAME	Notifier Phone:	
Caller Name:	WAHAD KHAN	Caller Agency:	LAMGAN	Caller Phone:	(212) 964-7888
DEC Investigator:	AJWHITE	Contact for more spill info:	MICHAEL LIGOSKY	Contact Person Phone:	(718) 583-8398

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/09/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

THEY HAVE A SPILL OUTSIDE OF THE SCHOOL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
See file for 9407465

01/26/04

Reassigned from Rommel to Austin
02/17/04: Reassigned from AUSTIN to KRIMGOLD.
06/15/05 - Reassigned form Krimgold to Benjamin

11/15/2005: lead transferred to Joe White as part of the Spill initiative Project.

12/08/2005: Joe White spoke with James Merlo, the NYC School spill coordinator. He will be sending in the latest tank test results.

1/5/2006: The PBS# 2-352020 associated with this spill documents that the leaking tanks were removed from the site in february of 2002 after this reported spill. Two new tanks have been installed and have been tested. Given that the tanks have been removed over 4 years ago and that the spill was 0 gallons the above information is sufficient for closing out this spill.--------
joe white

Map Identification Number 60 **JUNIOR HIGH SCHOOL 117** **Spill Number: 9812895** **Close Date: 01/21/1999**
1865 MORRIS AVENUE BRONX, NY TT-Id: 520A-0008-865

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1213 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	UNKNOWN - JUNIOR HIGH SCHOOL 117	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:	BATTALION 26	Notifier Phone:	(718) 430-0200
Caller Name:	DISPATCHER GLAVIN	Caller Agency:	BRONX FIRE DEPARTMENT	Caller Phone:	(718) 430-0200
DEC Investigator:	MCTIBBE	Contact for more spill info:	DISPATCHER GLAVIN	Contact Person Phone:	(718) 430-0200

Category: Known release which created a fire/explosion hazards (inside or outdoors), drinking water supply contamination, or significant releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/20/1999		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	20.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FIRE IN BOILER - FOAM WITH PRODUCT

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
BROKEN FUEL LINE. CONTAINED IN BASEMENT IN PIT. FOAM PUT ON FIRE. PTC CALLED I BY BOARD OF ED. CLEANED WITH SPEEDI DRI. NO SEWERS IMPACTED. SUMP PUMPS WERE TURNED OFF.

Map Identification Number 61 **MANHOLE 9688** **Spill Number: 9909214** **Close Date: 02/22/2002**
WALTON AVE & E TREMONT BRONX, NY TT-Id: 520A-0009-396

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1213 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: WALTON AV / E TREMONT AV
Revised zip code: 10453

Source of Spill: UNKNOWN Spiller: Spiller Phone:
Notifier Type: Other Notifier Name: BILL MURPHY Notifier Phone: (212) 580-6763
Caller Name: BILL MURPHY Caller Agency: CON EDISON Caller Phone: (212) 580-6763
DEC Investigator: CAENGELH Contact for more spill info: BILL MURPHY Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/28/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

unk oil on unk quantity water

labs pending

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

Map Identification Number 62 **SERVICE BOX 16884** **Spill Number: 9906815** **Close Date: 11/09/1999**
JEROME AV & CLIFFORD PL BRONX, NY TT-Id: 520A-0007-191

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1289 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: JEROME AV / CLIFFORD PL
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:	SCHMID	Notifier Phone:	
Caller Name:	MARK SCHLAGEL	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	MARK SCHLAGEL	Contact Person Phone:	(212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/08/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

2 QTS OF PRODUCT ON 100 GALS WATER - CLEAN UP PENDING LAB RESULTS

CON ED 127652

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Con ed e2mis notes:

Oil/Water mix in SB 16884, approx 2 quarts oil in approx 100 gal water spill is contained, sample taken.

0ppm no aroclor..seq number 99-09346

SB 168884 has been cleaned, soaked up oil with absorbant pads, and power washed service box 2x's. He generated plastic bag of oily ebris and will dispose of as non - hazardous waste. Removed environmental tag.

Map Identification Number 63 **SERVICE BOX 16884** **Spill Number: 9903032** **Close Date: 05/18/2000**
WEST SIDE OF JERONE AVE BRONX, NY TT-Id: 520A-0010-046

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1289 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: JEROME AVE / CLIFFORD PL
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	STEPHEN CRIBBIN	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	COMENALE	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/16/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 pint on 3 gallons of water, sample taken con ed #125590.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

Con ed e2mis notes:

Approx 1 pt oil in approx 3 gallons water...no waterways/sewers affected. Sample taken, tag hung. <1.00ppm

Map Identification Number 64 **SERVICE BOX 16884** **Spill Number: 9814072** **Close Date: 01/21/2004**
JEROME AVE AT CLIFFORD RD BRONX, NY TT-Id: 520A-0009-318

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1289 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: JEROME AVE / CLIFFORD PL
Revised zip code: 10453

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNKNOWN - UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	MR SCHMIDT	Notifier Phone:	
Caller Name:	STEPHEN CRIBBIN	Caller Agency:	CON ED	Caller Phone:	(212) 580-6763
DEC Investigator:	CAENGELH	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/22/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

unk source of 1 quart of unk oil - on top of 10 gal of water

con ed 123191

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
e2mis no. 123191:

APPROX 1 QT OIL IN APPROX 10 GAL WATER. SPILL IS CONTAINED. SAMPLE TAKEN.

FEB. 24, 1999

TEST RESULTS <1.00 PPM

MAR. 8, 1999 J. ROHE REPORTS JOB COMPLETED AND TAG REMOVED.

Map Identification Number 65 **EMPTY LOT** **Spill Number: 9902691** **Close Date: 06/22/1999**
NELSON AVE 1700 BLOCK BRONX, NY TT-Id: 520A-0014-179

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1393 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 1700 BLK OF NELSON AVE
Revised zip code: 10453

Source of Spill: PASSENGER VEHICLE
Notifier Type: Citizen
Caller Name: CAROL ANDERSON
DEC Investigator: JMROMMEL

Spiller: UNKNOWN FOR NOW
Notifier Name: SAME
Caller Agency: CITIZEN
Contact for more spill info: CAROL ANDERSON

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 731-7496
Contact Person Phone: (718) 731-7496

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/08/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALLER STATES THAT A HOMELESS MAN WHO LIVES IN A (SHACK) THAT HE BUILT ON AN OPEN LOT HAS BEEN CHANGING OIL ON CARS THAT PULL UP IN FRONT OF THE OPEN LOT THERE.COMPLAINT STATES THE LOT IS IN THE 1600

TO 1700 BLOCK OF NELSON AVE.COMPLAINT IS HOME NOW.UPDATE CALLER STATES HE IS DUMPING THE OIL INTO THE STREET AND IS RUNNING DOWN THE STREET

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"

Map Identification Number 66 **1775 GRAND CONCOURSE** **Spill Number: 9401422** **Close Date: 05/09/2001**
1775 GRAND CONCOURSE BRONX, NY TT-Id: 520A-0010-052

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1403 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Responsible Party
Caller Name: DAVE PIERCEY
DEC Investigator: MCTIBBE

Spiller: VERIZON
Notifier Name:
Caller Agency: LEXICON ENVIRONMENTAL
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (215) 344-3380
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/29/1994		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

DISCOVERED SOIL AT SITE. 1 OF 6 SAMPLE SHOWED HIGH HT. MARK TIBBE WAS NOTIFIED OF AC/ALT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
SEE FILE.

SEE ALSO 91-06469, 91-07637 & 93-03638.

Map Identification Number 67 **MANHOLE 403** **Spill Number: 0209047** **Close Date: 08/18/2009**
DAVIDSON AV/174TH ST BRONX, NY TT-Id: 520A-0010-037

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1422 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: DAVIDSON AV / W 174TH ST
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNWON	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:	SEAN MCKEEVER	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JMKRIMGO	Contact for more spill info:	SEAN MCKEEVER	Contact Person Phone:	(212) 580-6763

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/03/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	4.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

4 gals unk oil mixed with sand and debris - confined to manhole

con ed 146226

DEC Investigator Remarks:

08/18/09 - See eDocs for Con Ed report detailing cleanup and closure.

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
Con Ed e2mis #146226:

03-Decemver-2002 13:24 Hrs

Flush Mechanic Tom Brown, 44432, reports while flushing debris from TM403 after a 500 Kva network transformer was removed for replacement due to an internal fault at the corner of Davidson Avenue and 174th Street, Bronx, finding approxmately 4 gallons of an unknown oil mixed into the flush debris contained in the manhole. No fire or smoke is/was involved. No sewers, waterways, or private property affected. No injuries involved. Sample being taken for analysis. Environmental tag 29838 applied. Some oily debris was sucked into Flush truck 60588 before the oil was observed and the truck will be quaranteened until lab sample is processed in case oil contains hazardous levels of PCBs. Chem Lab reports lab sample may take longer than 24 hours to process because oil needs to be extracted from soil. Cleanup will be performed pending lab results, and spill will be tracked as a reportable spill because lab results may take longer than 24 hours to process.

Map Identification Number 68 **200 WEST TREMONT AVE** **Spill Number: 9809179** **Close Date: 10/31/2002**
200 WEST TREMONT AVE BRONX, NY TT-Id: 520A-0008-836

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1435 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	WILLIAM MURPHY	Caller Agency:	CON ED	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	(212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/22/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

caller reported spill in vault. ref #120739.cleanup started.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis #120739:

OCT.22,1998 13:43

SUPV. L.FISCHER REPORTS: THAT HE FOUND OIL AND WATER MIX IN V4032 APPROX. 500 GALS OF WATER AND 1 GAL. OF OIL WAS FOUND. THE

SPILL IS CONTAINED AND DID NOT ENTER THE ENVIR. OR SEWERS OR WATERWAYS. THE VAULT WAS YELLOW TAGGED #20010. THERE'S A

SUMP PUMP PRESENT AT THIS LOCATION BUT IS NOT OPERATING AT PRESENT TIME OR AT THE TIME OF THE SPILL. ALSO, THERE'S NO SEWER

CONNECTION AT THIS LOCATION. THE SUPV. WAS DOING A INSPECTION WHEN HE FOUND THE SPILL. THE OIL HAS THE APPEARANCE OF MOTOR OIL.
THE SPILL IS EXPECTED TO BE CLEAN UP ON OCT.23,1998. THE SPILL IS BEING TREATED AS 50-499.

OCT.22,1998 14:10

CIG NOTIFIED AT 14:07 S.DIXON

OCT 23. 19:30

JOB IS COMPLETE AND TAG 20010 WAS PULLED.

Map Identification Number 69 **VACANT LOT** **Spill Number: 0412869** **Close Date: 03/11/2005**
1640 MACOMBS ROAD BRONX, NY TT-Id: 520A-0013-119

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1454 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	MARK ROBBINS - VACANT LOT		Spiller Phone: (631) 462-5866
Notifier Type:	Other	Notifier Name:	MARK ROBBINS		Notifier Phone: (631) 462-5866
Caller Name:	MARK ROBBINS	Caller Agency:	HYDRO TECH ENVIRONMENTA		Caller Phone: (631) 462-5866
DEC Investigator:	SMSANGES	Contact for more spill info:	MARK ROBBINS		Contact Person Phone: (631) 462-5866

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/09/2005		OTHER	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

FOUND CONTAMINATION WHILE DOING SOIL BORINGS:

DEC Investigator Remarks:

Duplicate spill number - This number is closed

Cross Ref to Spill # 0412587

Map Identification Number 70 **1640 MACOMBS RD** **Spill Number: 0412587** **Close Date: 12/14/2006**
1640 MACOMBS ROAD BRONX, NY TT-Id: 520A-0013-118

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1454 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	RACHEL ATAMAN	Spiller Phone:	(631) 462-5866
Notifier Type:	Affected Persons	Notifier Name:	RACHEL ATAMAN	Notifier Phone:	(631) 462-5866
Caller Name:	RACHEL ATAMAN	Caller Agency:	HYDRO TECH ENVIRON.	Caller Phone:	(631) 462-5866
DEC Investigator:	HRPATEL	Contact for more spill info:	RACHEL ATAMAN	Contact Person Phone:	(631) 462-5866

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/28/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

Contaminated soil was discovered on site, identified in the northern portion of the property.

DEC Investigator Remarks:

SVOC’s detected in soil samples taken by Hydro Tech
send Cont. Soil Ltr

NYS office of Mental Health is the tenant

05/18/05 - Sawyer - Kathleen DeVoe from Hydro Tech Environmental forwarded a Remedial Action Plan to the Department.

03/07/2006 - Kathleen DeVoe previously indicated via telephone call that NYS Mental Health planned to implement the RAWP in SFY ’06-’07. (Mustico)

9/7/06 - Austin - Assigned from Albany to Region 2 staff (Patel) for review and closure - end

11/24/06-Hiralkumar Patel.
from propertyshark.com:

Services For The Underserved, Inc
305 7TH Ave
10th Floor
New York NY 10001-6008

11/27/06-Hiralkumar Patel. left message for Kathy (Off. 631-462-5866, Cell: 631-457-2343) at Hydrotech.
11/29/06-Hiralkumar Patel. spoke with Kathy. she will send copy of investigation report and remedial action plan. site is open parking lot.

12/11/06-Hiralkumar Patel. left message for Kathy.
12/13/06-Hiralkumar Patel. left message for Kathy.

found phone number for Services for the Underserved INc. left message for real estate person in office.
received call from Steven Myricks. they baught this property in May '05 from Raul Perez. Steve has some documents and RAP. i will get copy of documents from Steve from his office as visiting site in neighbourhood.

Steven Myricks
Manager, Real Estate Property services
Services for the Underserved
305 7TH Ave
10th Floor
New York NY 10001-6008
Ph. (212) 633-6900
FAX (212) 627-1459

12/14/06-Hiralkumar Patel. got RAP, prepared by Hydrotech, from Mr. Myricks at his office yesterday. few SVOCs (Chrysene, Benzo-a-anthracene, Benzo-a-pyrene, Benzo-b-fluoranthene, Benzo-k-fluoranthene) found above TAGM limit, in four soil samples, in northwest portion of site. other than four SVOCs all other compounds are below limit. no VOCs found in any samples.

spoke with Kathy at Hydrotech. she believes that compounds from fill material. she observed asphalt patch at location and thinks these SVOCs are from this fill material.

based on level of SVOCs contmaination and no VOCs in samples, case closed.

Map Identification Number 71 **MANHOLE 23888** **Spill Number: 0003465** **Close Date: 04/07/2004**
101 EAST TREMONT AVE BRONX, NY TT-Id: 520A-0007-262

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1456 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	RICHARD ROACH	Notifier Phone:	(212) 580-6763
Caller Name:	RICHARD ROACH	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.

Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/20/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

discovered 1 gallon of oil on top of 300 gallons of water

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131945:

approx. 1 gallon of unknown oil on appprox. 300 gallons of water in manhole # 23888. Conduit plate 23-G-3 indicates that there is a sewer connection at this location. Clean up pending sample results.

Lab Sequence Number: 00-05983 PCB <1 ppm

6/21/00 Flush operator O. Negron reported at 05:16 Hrs. that the clean up in manhole 23888 was completed. Corporate Tanker approx. 2 gallons of oil and approx. 1100 gallons of water from the manhole. The manhole was power washed twice and the wash water

was removed by the corporate tanker. the sump was concrete, there was no sewer connection in this manhole.

Map Identification Number 72 **205175; E179 ST 67‘ E/O JEROME AVE** **Spill Number: 0890029** **Close Date: 04/04/2007**
E179 ST 67‘ E/O JEROME AVE , NY TT-Id: 520A-0214-684
V-1286 (3x67)

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1462 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: E 179TH ST / JEROME AVE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERT DESK - CON EDISON	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	Unassigned	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580-8383

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/31/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	4.00	GALLONS	0.00	GALLONS	UTILITY

Caller Remarks:

V-1286 (3x67) ~3 gallons of unknown oil in concrete sump pit
Closed: Agency Approval Not Required

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 73 **GAS STATION** **Spill Number: 0707310** **Close Date: 10/03/2007**
20 EAST 179TH STREET BRONX, NY TT-Id: 520A-0211-856

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1467 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	CHRISTINE BENJAMIN - GAS STATION	Spiller Phone:	(718) 294-3727
Notifier Type:	Local Agency	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	smsanges	Contact for more spill info:	CHRISTINE BENJAMIN	Contact Person Phone:	(718) 294-3727

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/03/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

WHILE REMOVING GAS TANKS , GAS SPILLED INTO DIRT: NOONE CLEANING AT THIS TIME

DEC Investigator Remarks:

Smell complaint associated with a gasoline station at 1990 jerome Ave which is directly next door to apartment building at 20 East 179th St.
John Kolleeney is working the case.

Map Identification Number 74 **SERVICE BOX #11854** **Spill Number: 0100323** **Close Date: 04/10/2001**
1966 UNIVERSITY AVE BRONX, NY TT-Id: 520A-0010-102

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1497 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: 1966 DR MARTIN LUTHER KING JR BLVD
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNKNOWN - UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:	RICHARD ROACHE	Notifier Phone:	(212) 580-6764
Caller Name:	RICHARD ROACHE	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6766
DEC Investigator:	JHOCONNE	Contact for more spill info:	RICHARD ROACHE	Contact Person Phone:	(212) 580-6764

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/09/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

APPROX 2 QTS OF UNK MATERIAL ON 10 GALLONS OF WATER. CON ED #136355

SAMPLE RESULTS ARE LESS THAN 1 PPM.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 75 **BETW CLIFFORD & E 175 ST** **Spill Number: 0710535** **Close Date: 01/11/2008**
1749 GRAND CONCOURSE BRONX, NY TT-Id: 520A-0211-902

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1531 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:		Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	RMPIPER	Contact for more spill info:		Contact Person Phone:	

Category: Investigation indicates there was no spill.
Class: Any Type of RP Including No RP - No DEC Field Response - Corrective Action by Spill Response Not Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/05/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

boiler may have burst - oil and water in street - original caller was anonymous

DEC Investigator Remarks:

DEC Piper - I could not obtain info on spill. Roadway spill. Closed.

Map Identification Number 76 **SERVICE BOX 11854** **Spill Number: 0001000** **Close Date: 12/28/2001**
1970 UNIVERSITY AVE BRONX, NY TT-Id: 520A-0010-103

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1532 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: 1970 DR MARTIN LUTHER KING JR BLVD
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	TONY LOPEZ	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/25/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

5 gallons oil on 5 gaoolons water. con ed # 131026.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Cross reference 0100323, 0012116, 0100361

Con Ed e2mis #131026 Notes:

4-25-00 1230hrs

5gal unknown oil on 5gal water in service box 11854. Will complete as 50-499ppm. Service box is filled half way and drain is located down the block in front of 1958 University Ave.

4-25-00 Flush crew reports cleanup completed but hole is still making oil.

4-27-00 0705hrs

LSN 00-04026 <1ppm PCB

LSN 00-04027 simialar to light fuel oil

5-12-00 Cleanup completed. 2oz oil and 5gal water removed. Hole double washed and flushed.

Map Identification Number 77 **MANHOLE 23857** **Spill Number: 0000482** **Close Date: 01/16/2002**
BURNSIDE AV/LORING PL BRONX, NY TT-Id: 520A-0009-000

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1532 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W BURNSIDE AVE / LORING PL S
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CALLER - CON EDISON Spiller Phone: (212) 580-6765
Notifier Type: Responsible Party Notifier Name: DIXON Notifier Phone:
Caller Name: BRIAN JOYCE Caller Agency: CON EDISON Caller Phone: (212) 580-6763
DEC Investigator: JHOCONNE Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/12/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1/2 PINT OF UNK OIL MIXED IN THE MUD AT BOTTOM OF THE MANHOLE - CONTAINED - CASE #130865

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis #130865 Notes:

4-12-00

1/2pt unknown oil mixed with mud in manhole 23857. No water present and according to conduit plate 25-F-4 there is no sewer connection. Sample taken.

LSN 00-03583 <1ppm PCB

4-13-00 1109hrs

Cleanup completed. 8oz oil removed with absorbants. Manhole double washed. 1 plastic bag non-hazardous waste generated. Sewer connection found and sealed. Sump is concrete.

Map Identification Number 78 **MANHOLE #23859** **Spill Number: 9913786** **Close Date: 03/22/2002**
W BURNSIDE AV/UNIVERSITY BRONX, NY TT-Id: 520A-0014-187

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1536 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W BURNSIDE AV / UNIVERSITY AV
Revised zip code: 10453

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	BRUCE MARKET	Notifier Phone:	(212) 580-6763
Caller Name:	RICHARD ROACH	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	RICHARD ROACH	Contact Person Phone:	(212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/07/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION ON TOP OF 250 GALLONS

OF WATER. SAMPLE TAKEN AND CLEANUP PENDING LAB RESULTS. CON ED #

130289. NO CALL BACK REQUESTED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 79 **MANHOLE #1966** **Spill Number: 0012116** **Close Date: 07/11/2001**
UNIVERSTY AV/W BURNSIDE BRONX, NY TT-Id: 520A-0014-186

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 1536 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: UNIVERSITY AV / W BURNSIDE AVE
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:
Notifier Type:	Affected Persons	Notifier Name:	JAMES GRAHAM	Notifier Phone: (212) 580-6763
Caller Name:	ANTHONY NATALE	Caller Agency:	CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator:	KMFOLEY	Contact for more spill info:	ANTHONY NATALE	Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/10/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ABOVE MATERIAL DISCOVERED AT ABOVE LOCATION ON TOP OF 15 GALLONS

OF WATER. SAMPLE TAKEN AND CLEANUP IS PENDING LAB RESULTS.

CON ED # 135469.NO CALL BACK.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY/SANGESLAND"
DEC INSPECTOR'S NOTES

5gals. unknown oil-fuel oil- third party.

reference #s 0100361,0100323,0001000

CON ED E2MIS REPORT 2-10-01

Found 5gal. of unknown oil and 15gals of water in SB 1966. No environmental impact. Cleanup pending test results.

Analysis indicares the ample similar ro a light fuel oil.

2-13-01 17:35

25gals. of water and 2oz. of oil removed from service box #11854. Service box was double washed and environmental tag removed. Cleanup is complete.

4/13/2001 Sangesland contacted the Co-op Board president at 1966 University Ave. She was given direction to dig out the remote fill line at the curb and to dig out all contaminated soil.

6/6/2001 Sangesland went back to the site to inspect the excavated hole near the curb. All soil had been removed down to the rock layer. The remote fill line had been cut and drained. As Sangesland watched, this line was plugged with cement. A new fill line was installed directly at the building, approx 50' away.

Map Identification Number 80 **MANHOLE #11854** **Spill Number: 0100361** **Close Date: 08/22/2001**
IFO 1966 UNIVERSITY AVE BRONX, NY TT-Id: 520A-0010-104

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1539 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN - UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	SCOTT MAROTTA	Notifier Phone:	
Caller Name:	ANTHONY NATALE	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	ANTHONY NATALE	Contact Person Phone:	(212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/10/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller reports what may be approx 2 pts unk oil in a manhole - sample taken - clean up pending lab test results

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
04/10/01

Sigona spoke to Chief Colley-Datt 718-430-0219

who indicated that this is a recurring problem withteh manhole in front of 1966 University Avenue in the Bronx. FDNY thinks that the cause may be a leaking fill line.

4/12/01

Foley met with Scott Marotta(Bx/West EH&S) and Larry Fischer (cleanup supervisor). Fill port adjacent to manhole. Inspected basement of 1966 University Ave. Could not see fill line. Tank is up against the west wall of building. No evidence of any oil leakage in basement.

4/13/01

Foley spoke to Scott Marotta over the phone and told him that the job would be followed up by Steve Sangesland.

6/21/01

Con Ed reports that while performing an emergency repair, 1 gallon of oil on 10gal water was found in SB11854.

Foley spoke with Sangesland about work which had been completed in the last week of May. Street was opened and fill port was moved up to the building. Soil did not appear to be heavily impacted with oil.

Map Identification Number 81 **SUNOCO** **Spill Number: 9507824** **Close Date: 01/26/2004**
1657 JEROME AVE BRONX, NY TT-Id: 520A-0008-378

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1624 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	SAME	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	WAYNE KEMPSKI	Caller Agency:	ENVIORMENTAL ASSESSMENT	Caller Phone:	(516) 447-6400
DEC Investigator:	WXSUN	Contact for more spill info:	RUSS HAMMOND	Contact Person Phone:	(516) 239-2431

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/27/1995		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CONTAMINATED SOIL AROUND TANK

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"

1/2/2004 Reassigned from O'Dowd to Sun.

1/26/2004-Sun-File Update by Sun: The spill was closed on November 30, 2001 based on the submitted documentation provided by Handex Practical Environmental Solution, dated 10/10/2001.

Map Identification Number 82 **SUNOCO STATION 0007583196** **Spill Number: 0405971** **Close Date: 01/18/2006**
1657 JEROME AVE. BRONX, NY TT-Id: 520A-0007-731

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1624 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	GASOLINE STATION	Spiller:	PHYLLIS LOFARO - SUNOCO STATION 0007583196	Spiller Phone:	(516) 371-9344
Notifier Type:	Affected Persons	Notifier Name:	PHYLLIS LOFARO	Notifier Phone:	(516) 371-9344
Caller Name:	PHYLLIS LOFARO	Caller Agency:	SUNOCO	Caller Phone:	(516) 371-9344
DEC Investigator:	SKCARLSO	Contact for more spill info:	PHYLLIS LOFARO	Contact Person Phone:	(516) 371-9344

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/31/2004		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	6.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

MATERIAL WENT INTO A NEARBY SEWER RIGHT BY THE STATION.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"

1/17/06: Case reassigned to Andersen. I spoke with Phyllis Lofaro. She said she has previously sent us a copy of the DOT 5801 report, and said she would fax me another copy. I received the fax.

1/18/06: Spoke with Phyllis Lofaro, spill occurred on concrete. NFA issued.

Map Identification Number 83 **APARTMENT BUILDING** **Spill Number: 0311433** **Close Date: 10/26/2006**
1695 GRAND CONCOURSE BRONX, NY TT-Id: 520A-0010-065

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1645 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Affected Persons
Caller Name: MARK SALAMACK
DEC Investigator: qxabidi

Spiller:
Notifier Name: TERRI
Caller Agency: PETROLIUM TANK CLEANERS
Contact for more spill info: ARGEN

Spiller Phone:
Notifier Phone: (718) 726-1461
Caller Phone: (718) 624-4842
Contact Person Phone: (347) 386-8001

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/09/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

THE HOMEOWNERS SECRETARY CALLED. WHEN THE OIL COMPANY RESPONDED THEY DISCOVERED OIL AND WATER ON THE GROUND. THEY ARE CURRENTLY PUMPING OUT THE TANK ROOM TO SEE IF THE TANK IS LEAKING OR IF IT IS OLD MATERIAL.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
1/9/04 PTC ON SITE EMPTYING THE TANK, BUILDING ON DUAL SYSTEM, WILL INFORM THE GAS COMPANY TO MAKE ARRANGEMENTS TO SUPPLY HEAT IN THE INTERIM UNTIL THE TANK IS REPAIRED/REPLACED.

Tank Failure & subsurface contamination letter sent.

(site is located between 174 and 175 on walton 1 way downtown)

1/16/2004 Return Receipt came back to DEC to confirm that property owner received the DEC letter:

Mr. Mario Milevoi 20-74 Steinway St., Astoria, NY 11105

3/12/04 Tipple conducted site visit upon request from Eastman. Remediation is ongoing.

4/21/04 Tank removed from room/room had a few inches of water and a few droplets of #6fo floating. Eastman to vac out water/oil, dispose and seal the walls , once the documentation arrives, a nfa can be issued.

05/31/06: This spill is transferred from Mr. Koon Tang to Q.Abidi.
Called to owner of Apartment building Ms. Angella was on phone, someone will call back regarding spill.
Also called Mr. Mark Salamack at (718)624-4842. He pumped out the oil and water from the floar on June 9, 2004. He did not collect any sample. There was 2000 Gallons water on the floar. They did not ask to do this job again. That all Mr. Mark told on phone. -QA

06/21/06: Called to Mr. Mario (owner) regarding spill and left message to call me back as soon as possible. -QA

06/22/06: Called to owner Mr. Mario Milevoi at (718)726-1461 and talked to Angella. She told Owner will call me back as soon as possible. -QA

07/05/06: Called to owner Mr. Mario Milevoi and talk to Ms. Angella she said that she will convey my message to Mario (owner) and he will call me back. -QA

07/06/06: Mr. Mario called me back he said that every thing is with Issac Mungra. -QA

07/25/06: Talked to Mr. Issac Mungra he said information is not ready yet. He will send it soon. -QA

10/18/06: Called Mr. Mario Milevoi at (718)726-1461 and left message to call me back regarding spill. -QA

10/26/06: Talked to Mr. Mario Milevoi (owner) on phone he said he is fully satisfied with this clean up there is not any stain on basement floor and there is no odor in the basement.
Also received Closure report from Mr. Issac Mungra, Manager (Eastmond & Sons Company). He mentioned in that disposed of approximately 27.25 drums of contaminated debris and oil soaked and oil soaked absorbent. No odor in the basement. Basement floor is cemented and there is no stain on the floor. According to Issac Mungra this spill is cleaned. DEC staff closed this spill. -QA

Map Identification Number 84 **MANHOLE #TM-422** **Spill Number: 0001590** **Close Date: 03/23/2004**
ANDREWS AVE/WEST 176TH ST BRONX, NY TT-Id: 520A-0006-364

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1655 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: ANDREWS AVE S / W 176TH ST
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Affected Persons
Caller Name: BRIAN JOYCE
DEC Investigator: JHOCONNE

Spiller: UNKNOWN - UNKNOWN
Notifier Name: BRIAN JOYCE
Caller Agency: CON EDISON
Contact for more spill info: BRIAN JOYCE

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/08/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SAMPLES TAKEN-CLEANUP PENDING LAB RESULTS-NO WATERWAYS OR SEWER AFFECTED. CON ED #131281

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131281:

1 pint of unknown oil on approx. 3 gallon of water in transformer manhole # 422. Conduit plate 23-E-2 indicates no sewer connection. Clean up pending sample results. The crew reports that there is a pile of Black Top on the transformer, and on the

floor of the transformer vault, oil may be from the black top.

Lab Sequence Number: 00-04535 PCB <1 ppm

5/18/00 Operating supervisor L. Fischer reports that the clean up can not be completed, due to the amount of black top that can not be chipped off the transformer, and from between the fins of the transformer. Mr. Fischer is going to speak with Mr.Torphy to have the transformer replaced. Clean up pending transformer replacement.

7/13/00 TM 422 was removed from structure. Tanker drained 240 gallons of oil from unit..... Flush crew double washed

structure... clean up completed at 1300Hrs...

Map Identification Number 85 **INTERSECTION OF** **Spill Number: 0905913** **Close Date: 08/24/2009**
DAVIDSON STREET AND BURNSIDE AVE BRONX, NY TT-Id: 520A-0233-075

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1751 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: DAVIDSON AVE / W BURNSIDE AVE
Revised zip code: 10453

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	NYC TRANSIT	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	smsanges	Contact for more spill info:	HAROON	Contact Person Phone:	(646) 252-6777

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/20/2009		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	

Caller Remarks:

1535 The spill cause is unknown. The clean up is in progress. No water ways affected.

DEC Investigator Remarks:

minor spill all cleaned up

Map Identification Number 86 **ROADWAY** **Spill Number: 9812546** **Close Date: 01/11/1999**
UNIVERSITY AVE & BRANT PL BRONX, NY TT-Id: 520A-0014-184

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1760 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: UNIVERSITY AVE / BRANDT PL
Revised zip code: 10453

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	VINCENT SIMONE - BELL ATLANTIC	Spiller Phone:	(718) 918-2691
Notifier Type:	Other	Notifier Name:	CLARINDA WEST	Notifier Phone:	(516) 379-1570
Caller Name:	CLARINDA WEST	Caller Agency:	MILRO ASSOC	Caller Phone:	(516) 379-1500
DEC Investigator:	MCTIBBE	Contact for more spill info:	CLARINDA WEST	Contact Person Phone:	(516) 379-1500

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/08/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	2.00	GALLONS	2.00	GALLONS	SOIL

Caller Remarks:

SPILL HAS BEEN CLEANED UP FROM PAVEMENT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
CLEANED BY RP.

Map Identification Number 87 **MH 21816** **Spill Number: 0203637** **Close Date: 04/24/2003**
UNIVERSITY AVE/E179TH ST BRONX, NY TT-Id: 520A-0014-384

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1764 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: UNIVERSITY AV / W 179TH ST
Revised zip code: UNKNOWN

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON EDISON	Spiller Phone:	(212) 580-6763
Notifier Type:	Responsible Party	Notifier Name:	HEDEMAN	Notifier Phone:	
Caller Name:	ANDREW MORRIS	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	AERODRIG	Contact for more spill info:	ANDREW MORRIS	Contact Person Phone:	(212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/05/2002		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 pint spill..clean up has been put on hold untill they have enough manpower to do it...ref # 143812.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
e2MIS NOTES 143812

05-July-2002 17:00hrs

Environmental Flush Mechanic N. Lopez # 19018 reports finding ~ 1 pint of oil on 100 gallons of water in manhole 21816. No smoke, fire or private property affected. No sewers or waterways involved. Oil sample taken and environmental yellow tag # 28237 hung at manhole. Cleanup pending lab results. Delayed e2MIS report permitted by ERT. M. Daughtrey due to substation fire.

PCB Analysis by EPA 608/8082

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MATRIX: LIQUID GRAB

LOCATION: 2001 UNIVERSITY AVE BRONX.

STRUCTURE: MANHOLE 21816 FEEDER ID:

QC ID: 01-200207050519

TEST DESCRIPTION RESULT UNIT METHOD

Aroclor 1242 < 1.0 ppm EPA 608/8082

Aroclor 1254 58.2 ppm EPA 608/8082

Aroclor 1248 < 1.0 ppm EPA 608/8082

Aroclor 1260 < 1.0 ppm EPA 608/8082

TOTAL PCB 58 ppm

06-JUL-2002 07:37

This incident changed to reportable "Spill - Oil (unknown type)" from "Spill - De Minimis (24 hour underground)" due to inavailability of flush crews and tanker

due to feeder work. Cleanup to be perform as soon as crews are available.

08-July-2002 22:33 Hrs

Flsh Mechanic Noel Lopez, #19018, reports cleanup complete, tag no. 28237 removed, no visible source of oil identified, CFS Transportation picked up 1-drum of lead hazardous PCB hazardous waste for disposal, and CFS Tanker removed 700 gallons of PCB hazardous oily water for disposal.

Map Identification Number 88 **VAULT 3161** **Spill Number: 0009392** **Close Date: 12/28/2000**
37 BURNSIDE AV BRONX, NY TT-Id: 520A-0012-409

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1781 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: 37 W BURNSIDE AV
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:		Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	GRAHAM	Notifier Phone:	
Caller Name:	JIMMY FOX	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	KMFOLEY	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/15/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

ON 25GAL OF WATER - CONTAINED - CASE #134382 - SUMP WAS RUNNING

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
e2mis Notes:

Found 2 gal unknown oil in 25gal water in V-3161. Mechanic found sump working and there is a sewer connection. Conduit plate #25-G indicates sewer connection. Historical data inidcates 13ppm from 1993. Samples taken and returned 9ppm PCB and similar to dielectric fluid. Pressure tested unit and found no leaks.

11/16/00 E. Gafur reports cleanup compelted. 1 pint of oil and 500gal water removed from vault. Hole was double washed and flushed. Sump pumpwas not running and the pipe was broken at the coupling. No sign of oil in pipe. Initial report cited a release of oil to sewer. Upon field investigation, the sump pump piping was dry on the inside. All liquids were taken up by tanker. Solids were placed into one 55gal drum. Entire structure was double washed. Source unknown.

KMF 4/11/01

Map Identification Number 89 **101 E 179 ST & MORRIS AVE** **Spill Number: 9307181** **Close Date: 09/16/1993**
101 E 179TH ST & MORRIS BRONX, NY TT-Id: 520A-0010-094

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1799 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 101 E 179TH ST
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNK	Spiller Phone:	
Notifier Type:	Federal Government	Notifier Name:		Notifier Phone:	
Caller Name:	ROBERT KEPICH	Caller Agency:	DEP	Caller Phone:	(718) 595-6777
DEC Investigator:	MCTIBBE	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/13/1993	09/16/1993	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	300.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

POLICE ARE HOLDING PERSON INVOLVED IN SPILL. PERSON WAS CLEANING OUT BOILER TANK - DUMPED INTO SEWER. (718)220-5224 (OFFICERS). HANDLED BY ECO AND NYC DEP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE/ECOS"
10/10/95: This is additional information about material spilled from the translation of the old spill file: HEATING OIL.

Map Identification Number 90 **MANHOLE 23890** **Spill Number: 0003466** **Close Date: 04/07/2004**
EAST TREEMONT/GRAND CONCO BRONX, NY TT-Id: 520A-0009-022

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1809 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: E TREMONT AVE / GRAND CONCOURSE
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	RICHARD ROACH	Notifier Phone:	(212) 580-6763
Caller Name:	RICHARD ROACH	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	

Category:	Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class:	Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/20/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

sheen on top of 100 gallons of water

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131947:

undiaperable sheen on approx. 250 gallons of water in manhole # 23890. Conduit plate 23-H-1 indicates no sewer connection at this location. Clean up pending sample results.

Lab Sequence Number: 00-05984 PCB <1 ppm

June 21, 2000

John Maloney reports cleanup complete. Removed 150 gallons of water and 1 pint of oil. Hole doubled washed.

Map Identification Number 91 **1710 MONTGOMERY AVE** **Spill Number: 9900678** **Close Date: 04/30/1999**
1710 MONTGOMERY AVE BRONX, NY TT-Id: 520A-0013-075

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1815 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	APT BUILDING	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:	CHIEF KING	Notifier Phone:	
Caller Name:	FF HACK	Caller Agency:	FDNY	Caller Phone:	(917) 769-0483
DEC Investigator:	SIGONA	Contact for more spill info:	FF HACK	Contact Person Phone:	(917) 769-0483

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/19/1999		UNKNOWN	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

The was a slick of oil on the water, which was pumped out into the street by facility operators.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

DEC Sigona investigated cleanup supervised by DEP and DEC. Spill caused by sewer backup caused by DEP construction. On April 19, 1999 DEC Sigona met with Keith Williams 200 square foot basement flooded with 3 feet of water and 25-50 gallons of fuel oil. A.L. Eastmond hired to deliver pads and pick up waste in bags. DEP Williams issued order. Source of spill is used oil filters and oil buckets in basement. Flood caused by DEP sewer backup.

Map Identification Number 92 **CROSSBRONX EXPRESSWAY** @JEROME AVE BRONX, NY **Spill Number: 0402151** **Close Date: 05/28/2004** TT-Id: 520A-0014-168

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1844 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: CROSS BRONX EXPY / JEROME AVE
Revised zip code: UNKNOWN

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	LUMBER TRUCK	Spiller Phone:	
Notifier Type:	Police Department	Notifier Name:	OFFICER WESTON	Notifier Phone:	(646) 610-6039
Caller Name:	OFFICER WESTON	Caller Agency:	NYC PD	Caller Phone:	(646) 610-6039
DEC Investigator:	SMSANGES	Contact for more spill info:	OFFICER WESTON	Contact Person Phone:	(646) 610-6039

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/27/2004		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

DIESEL TANK ON LUMBER TRUCK LEAKING: FIRE DEPT. ON SCENE:

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

Map Identification Number 93 **JEROME AVENUE** **Spill Number: 0105472** **Close Date: 08/21/2001**
CROSS BRONX EXPRESSWAY BRONX, NY TT-Id: 520A-0014-171

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1844 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: JEROME AVENUE / I 95
Revised zip code: UNKNOWN

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:	ENGINE 42	Notifier Phone:	
Caller Name:	DISPT 827 NYCFD	Caller Agency:		Caller Phone:	(718) 829-5703
DEC Investigator:	MCTIBBE	Contact for more spill info:	DISPT 827	Contact Person Phone:	(718) 829-5703

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/21/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

spill goes for about two blocks nothing furthut to go on at this time

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
SPILL NO LONGER ONSCENE. DEP AND SANITATION NOTIFIED. SANITATION TO SAND.

Map Identification Number 94 **UNIVERSITY AVE. CONSOL.** **Spill Number: 9505170** **Close Date: 08/24/1995**
1665 ANDREWS AVENUE BRONX, NY TT-Id: 520A-0010-106

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1911 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: 1665 ANDREWS AVENUE S
Revised zip code: 10453

Source of Spill: PRIVATE DWELLING
Notifier Type: Affected Persons
Caller Name: ED MALONE
DEC Investigator: HEALY
Spiller: NYC HOUSING AUTHORITY
Notifier Name:
Caller Agency: NYC HOUSING AUTHORITY
Contact for more spill info:
Spiller Phone: (212) 306-3142
Notifier Phone:
Caller Phone: (212) 306-3233
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/27/1995	08/24/1995	OTHER	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

GROUNDS CONTRACTORE FOR NYCHA FOUND ABANDONED 5000 GALLONS TANK WITH SOME SOIL AND PRODUCT IN IT - UNKNOWN IF TANK IS INTACT.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 95 **Spill Number: 0300271** **Close Date: 05/03/2003**
1883 BILLINGSLEY TERR BRONX, NY TT-Id: 520A-0013-327

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1938 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Other
Caller Name: PAUL BASSO
DEC Investigator: JBVOUGHT
Spiller:
Notifier Name:
Caller Agency: MILRO ASSOC
Contact for more spill info: GAIL GREENIDGE
Spiller Phone:
Notifier Phone:
Caller Phone: (516) 379-1500
Contact Person Phone: (718) 716-8999

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/08/2003		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller states on mar 6 there was a fire at the residence - because

of that there was a spill of oil and water that appearently was

overlooked and never called in

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
Called Paul Basso, who confirmed that spill was caused when water

came in contact with oil in building. Remediation on soil has

started.

Will call Jeff with Up-Date.

E.R.

4/8/2003-Vought-Called Paul Basso. Basement floor is part soil and part concrete. Milro will begin soil excavation on 4/9/2003. Milro will update NYSDEC on excavation progress.

4/15/2003-Vought-Milro will complete excavation today. All-State is paying for cleanup. Milro will collect sidewall compsite and two bottom samples and analyze for EPA Method 8270. Will send analyticals, disposal manifest and site plan.

4/23/2003-Vought- Spoke with Paul Basso and not all contaminated soil removed. Excavation limits due to cobbles and structural constraints. Vought suggested that Basso call All-state in addition to quantifying contaminatiion, submitting site plan, PID readings and or/endpoint samples depending on discussion with All-State.

4/28/2003-Vought-Spoke to Paul and endpoint samples were collected at depth of 6'. Samples show 100ppm from PID. NYSDEC requested biosolve specifications and application amounts to ensure soil parameters are within remedial range.

5/5/2003-Vought-Received call from Gale Greenidge (718-731-6011) who is site owner. Vought explained to her remedial options proposed by Milro (Biosolve). Biosolve may mobilize contaminants so hyrdaulic control must be maintained and either monitored natural attenuation or pump and treat operations must be emplaced. Vought spoke to Paul Basso and required delineation outside home via borings and passive venting system will be installed.

5/20/2003-Vought-Received letter from Paul Basso (Milro). Oil spill caused by fire associated with oil burner. Mlro excavated contaminates soil and installed a passive venting system for residual odors. Aprroximately 12 cubic yards of soil were excavated (disposal mainfests were provided). Two endpoints samples collected and analyzed with a PID yeiding readings up to 100ppm. One sample was analyzed for EPA Method 8021/8270. Analyticals showed no exceedances beyond TAGM 4046 Required Soil Cleanup Objectives (analyticals sent to NYSDEC). Spill closed by Vought.

Map Identification Number 96 **APARTMENT** **Spill Number: 0612061** **Close Date: 02/05/2007**
1955 GRAND CONCOURSE BRONX, NY 10461 TT-Id: 520A-0006-638

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1944 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	FRANK RACINE - APARTMENT	Spiller Phone: (718) 828-3100
Notifier Type:	Other	Notifier Name:		Notifier Phone:
Caller Name:		Caller Agency:		Caller Phone:
DEC Investigator:	SFRAHMAN	Contact for more spill info:	FRANK RACINE	Contact Person Phone: (718) 828-3100

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/01/2007		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	5.00	GALLONS	5.00	GALLONS	SOIL

Caller Remarks:

THE SUPER TOLD OIL COMPANY TO FILL TANK AND THEY WANTED TO CHECK TANK AND SUPER WOULD NOT ALLOW THEM TOO, AND SOME LEAKED AND ALL CLEANED UP

DEC Investigator Remarks:

miss delivery of wrong type of fuel to the wrong building.
Tank was topped off and sent excess out of the vent line.
Tank is being pumped out by Eastmond now.
02/05/07 Rahman- I spoke with Building Manager William Varella @(718)863-2300, he told me that spill has been cleaned up properly.There was no spill in the tank room, all outside.Eastmond pumped out the #6 oil out of the tank and refilled with #2 oil.NFA required.

Map Identification Number 97 **Spill Number: 0405476** **Close Date: 08/20/2004**

1790 WEEKS AVE &175TH BRONX, NY TT-Id: 520A-0010-073

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1954 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: 1790 WEEKS AVE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:		Spiller Phone:	
Notifier Type:	Other	Notifier Name:	SCOTT WILLIAMS	Notifier Phone:	(201) 489-5100
Caller Name:	SCOTT WILLIAMS	Caller Agency:	AMERADA HESS	Caller Phone:	(201) 489-5100
DEC Investigator:	TJDEMEO	Contact for more spill info:	BOLO	Contact Person Phone:	(718) 731-3720

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/18/2004		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Cleanup in progress

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
8/20/2004 Sangesland called Hess and confirmed that the cleanup was done.

Map Identification Number 98 **Spill Number: 0013701** **Close Date: 11/26/2003**

BURNSIDE AV/JEROME AVE BRONX, NY TT-Id: 520A-0009-084

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1971 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: W BURNSIDE AVE / JEROME AVE
Revised zip code: 10453

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	BOBBY ISAAC - NYC TRANSIT AUTHORITY	Spiller Phone:	(718) 243-4891
Notifier Type:	Responsible Party	Notifier Name:	BUS COMMAND CNT	Notifier Phone:	(718) 927-7777
Caller Name:	BOBBY ISAAC	Caller Agency:	NYC TRANSIT AUTHORITY	Caller Phone:	(718) 243-4891
DEC Investigator:	MCTIBBE	Contact for more spill info:	BOBBY ISSAC	Contact Person Phone:	(718) 243-4891

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
03/31/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
MOTOR OIL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

UNKNOWN PROBLEM ON BUS # 5362 AT ABOVE LOCATION. CAUSE IS UNDER

INVESTIGATION AT TIME OF CALL. SOME MATERIAL MAY HAVE RUNOFF INTO

STORM SEWER. AMOUNT REPORTED AS 2 QUARTS. CREW ON SCENE AND CLEANUP

IS IN PROGRESS.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
NYCT has no further information/documentation for this spill.

Map Identification Number 99 **MANHOLE #12683** **Spill Number: 9900662** **Close Date: 05/05/1999**
E174TH ST/SELWYN AV BRONX, NY TT-Id: 520A-0009-330

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1989 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: E 174TH ST / SELWYN AV
Revised zip code: 10457

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	FRANK MASSERA - CON ED		Spiller Phone: (212) 580-6763
Notifier Type:	Responsible Party	Notifier Name:	MR BUCCI		Notifier Phone: (212) 580-6763
Caller Name:	FRANK MASSERIA	Caller Agency:	CON EDISON		Caller Phone: (212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	FRANK MESSERIA		Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/17/1999		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con ed e2mis notes:

A section of PILC cable that was cut and lying on the floor had leaked app 1 oz of dielectric oil. There is no water in the man hole and there is no sewer connection according to conduit plate 21-F-3 based on this info we can assume the spill is contained. The sample that was taken has been cancled. The cleanup is in progress and is being handled as 50-499. No sample, Cleanup complete.

Map Identification Number 100 **Spill Number: 9803703** **Close Date: 02/24/2003**

145 WEST 179TH ST BRONX, NY TT-Id: 520A-0008-793

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2056 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:	WILLIE CHRISTIE	Notifier Phone:	(718) 731-4014
Caller Name:	VELERIE PIERT	Caller Agency:		Caller Phone:	(718) 294-6848
DEC Investigator:	WYNE	Contact for more spill info:	WILLIE CHRISTIE	Contact Person Phone:	(718) 731-4014

Category: Investigation indicates there was no spill.
Class: Any Type of RP Including No RP - No DEC Field Response - Corrective Action by Spill Response Not Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/01/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks: NO REMARKS GIVEN FOR THIS SPILL

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 101 **MANHOLE PM499** **Spill Number: 0003424** **Close Date: 04/07/2004**

MONROE AVE/EAST 175TH ST BRONX, NY TT-Id: 520A-0006-986

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2059 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	MIKE CESARE	Notifier Phone:	(212) 580-6763
Caller Name:	MIKE CESARE	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/20/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 pt of fluid spilled on 200 gallons of water no sewers or waterways affected cleanup pending results

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 131932:

approx 1 pint of unknown oil on approx. 200 gallons of water in transformer manhole # 499. Conduit plate 22-G-3 indicates no sewer connection at this location. Clean up pending sample results. Historical data from transformer indicates 10 ppm PCB's Lab analysis # 95-0303-01.

Lab Sequence Number: 00-05963 PCB <1 ppm

6/21/00 Negron & Brown completed cleanup at 19:15. 2 pints of oil and 280 gallons of water removed from structure. No sewer connection or earthen sump. Tag removed and hole double washed.

Map Identification Number 102 **217 EASTMONT AV/BX** **Spill Number: 8905893** **Close Date: 09/15/1989**
217 EASTMONT AVENUE NEW YORK CITY, NY TT-Id: 520A-0009-534

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2084 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 217 E TREMONT AVENUE
Revised zip code: 10457

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Citizen Notifier Name: Notifier Phone:
Caller Name: P O TOBIN SHUEY Caller Agency: USCG Caller Phone: (212) 668-7920
DEC Investigator: SIGONA Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/14/1989	09/15/1989	UNKNOWN	UNKNOWN	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

DEC REPORTED PROBLEM TO NYCDEP HAZ MAT(PAUL WONG).

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

10/10/95: This is additional information about material spilled from the translation of the old spill file: AMMONIA SULFUR ODOR.

Map Identification Number 103 **STREET** **Spill Number: 9713137** **Close Date: 05/01/1998**
MORRIS AVE/ E. 174TH ST BRONX, NY TT-Id: 520A-0014-166

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2095 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	MR GARCIA	Notifier Phone:	(718) 583-5682
Caller Name:	CHRISTINA CONCI	Caller Agency:	DEP	Caller Phone:	(718) 595-6777
DEC Investigator:	SMMARTIN	Contact for more spill info:	MR GARCIA	Contact Person Phone:	(718) 651-0347

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/24/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller stated to dep that workers on street sweeping unk oil into catch basin

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
REFER TO DEP ECS.HANDLED BY NYC DEP.

Map Identification Number 104 **SB 15081** **Spill Number: 0100454** **Close Date: 05/17/2001**
IFO 1967 GRAND CONCOURSE BRONX, NY TT-Id: 520A-0010-089

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2101 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN - UNKNOWN	Spiller Phone:	
Notifier Type:	Local Agency	Notifier Name:	MR MCKEEVER	Notifier Phone:	
Caller Name:	RICHARD ROACH	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	RICHARD ROACH	Contact Person Phone:	(212) 580-6764

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/12/2001		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	15.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

15 gals unk oil on 20 gals of water - clean up in progress

no smoke or fire, no private property affected

con ed #136407

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
CON ED E2MIS REPORT 4-12-01

15gals.of unknown oil found on 20gals. of water in SB 15081. Sample taken, tag installed, cleanup pending test results. DEP representatives St. Jean at location informed Sup. that he was issuing a Commisioners Order for this job because we did not take samples direclty to lab but brought them back to Van Nest tool room and had them take samples to lab.

Flashpoint 174 degrees we notified Sup. to have tanker start to drain S/B at 1345hrs.

Cleanup has been completed and the environmental stop tag removed. 250gals. of oil and water was generated and was transported via tanker truck. Structure was double washed using Bio Gen 760. Cleanup complete.

Map Identification Number 105 **RESIDENCE** **Spill Number: 9911846** **Close Date: 04/06/2000**
1764 WEEKS AVE BRONX, NY TT-Id: 520A-0008-968

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2104 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	UNKNOWN - UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	EMANUEL GUTZMER	Notifier Phone:	(718) 731-3286
Caller Name:	EMANUEL GUTZMER	Caller Agency:	HOMEOWNER	Caller Phone:	(718) 731-3286
DEC Investigator:	MCTIBBE	Contact for more spill info:	EMANUEL GUTZMER	Contact Person Phone:	(718) 731-3286

Category: Possible petroleum release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters, known releases with no potential for damage, or non-petroleum/non-hazardous spills.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/11/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
RAW SEWAGE	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

ROTO-ROOTER AT RESIDENCE-STILL UNABLE TO TAKE CARE OF PROBLEM.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
NOT PETROLEUM. TOLD CALLER TO CALL DEP TO SEE IT MAIN WAS CLOGGED.

Map Identification Number 106 **MANHOLE 23731** **Spill Number: 9910988** **Close Date: 03/28/2002**
UNIVERSITY AVE/W 180TH ST BRONX, NY TT-Id: 520A-0014-380

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2136 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:	STEVEN CRIBBIN	Caller Agency:	CON ED	Caller Phone:	(212) 580-8576
DEC Investigator:	COMENALE	Contact for more spill info:	CALLER	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/16/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SEWER

Caller Remarks:

CALLER REPORTED SHEEN ON WATER IN MANHOLE APPROZ 50 GALLONS IN HOLE.CON ED # 129311. SAMPLE TAKEN.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 107 **SERVICE BOX # 9123** **Spill Number: 0409807** **Close Date: 05/05/2005**
EAST 176TH/TOPPING AVE BRONX, NY TT-Id: 520A-0010-042

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2144 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: E 176TH ST / TOPPING AVE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	ERT DESK - SERVICE BOX # 9123	Spiller Phone:	(212) 580-8383
Notifier Type:	Responsible Party	Notifier Name:	LARRY COSTA	Notifier Phone:	(212) 580-8383
Caller Name:	LARRY COSTA	Caller Agency:	CON ED	Caller Phone:	(212) 580-8383
DEC Investigator:	GDBREEN	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/02/2004		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ON 20 GALLONS OF WATER: CREW WAS PUMPING OUT WATER DID NOT KNOW OIL WAS IN THERE AT LEAST 3 GALLONS WAS PUMPED OUT INTO STREET: NO TO 5 QUESTIONS: CLERANING UP STREET AT THIS TIME. #156442.

DEC Investigator Remarks:

02-Dec-2004 11:05 hrs. Lawrence Galasso 51615 discovered 3 gals of #6 fuel oil from unk Third Party source under 20 gals of water and partially pumped to street. Pumping stopped once heavy fuel oil was noticed under the water. No release to sewer or waters involved. Env yellow tag 34753 placed in SB. Sample taken for flashpoint, ID and PCB on coc Street being cleaned and drummed and returned to VNSC pending samples. Remainder of fuel and water in SB will be cleaned pending samples.

Lab Sequence Number: 04-10011-001 - TOTAL PCB 10 ppm

06-Dec-2004 10:10 hrs.
Bx/West Emvironmental Flush Mech. T. Brown # 44432 reported that the CFS. tanker removed 25 gallons of liquid from the service box and the flush crew removed 25 Lbs. of non-hazardous solid waste. The crew triple washed and rinsed the hole with water and 760 soap and the CFS tanker removed all liquids. There was no evidence of the source of entry of the oil into the service box. The Crew removed Environmental tag # 34753. CLEANUP COMPLETE.

Map Identification Number 108 **VAULT #12005** **Spill Number: 0608641** **Close Date: 03/19/2007**
180 STREET & ANDREW AVENUE BRONX, NY TT-Id: 520A-0012-895

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2165 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 180TH ST / ANDREWS AVE S
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name:
DEC Investigator: GDBREEN

Spiller: ERT DESK - CON EDISON VAULT #12005
Notifier Name:
Caller Agency:
Contact for more spill info: ERT DESK

Spiller Phone: (212) 580-8383
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/25/2006		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTS SPILL CONTAINED TO CONCRETE VAULT. CLEANUP NOT STARTED AS OF YET DUE TO PARKING RESTRICTIONS AND DIFFICULTY ENTERING THE VAULT AS WELL AS IMPENDING STORM. REF.#203037. NO TO THE FIVE QUESTIONS.

DEC Investigator Remarks:

03/19/07 - See e-docs for Con Ed report detailing cleanup and closure.

203037. see eDocs

Map Identification Number 109 **VAULT # VO1146** **Spill Number: 0409780** **Close Date: 10/23/2006**
WEST 180TH/ANDREWS AVE ST BRONX, NY TT-Id: 520A-0014-381

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2165 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: W 180TH ST / ANDREWS AVENUE
Revised zip code: UNKNOWN

Source of Spill:	UNKNOWN	Spiller:	ERT DESK - VAULT # VO1146	Spiller Phone:	(212) 580-8383
Notifier Type:	Responsible Party	Notifier Name:	LARRY COSTA	Notifier Phone:	(212) 580-8383
Caller Name:	LARRY COSTA	Caller Agency:	CON ED	Caller Phone:	(212) 580-8383
DEC Investigator:	GDBREEN	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/02/2004		UNKNOWN	NO	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

ON 100 GALLONS OF WATER: MINOR AMOUNT HAS LEAKED OUT DOOR ONTO SOIL & GRASS: IN PROCESS OF CLEANING UP. NO TO 5 QUESTIONS. See 156432.000

DEC Investigator Remarks:

10/23/06 - See e-docs for Con Ed report detailing cleanup and closure.

e2mis 156432

Mechanic Ed Sepulveda discovered 1 gal of transformer oil on 100 gals of water in walk-in vault V-1146 on fdr 3X69 and minor amount on 3 foot by 4 foot area has seeped out of doors and continuing to seep onto soil and grass. No smoke or fire is/was involved. Vault is located on Bronx Community College Property with 3 other vaults (V-1205, V1063, V992). No release to sewers or waters. No reported injuries. Rainy weather yesterday contributed to water in vault. I&A networks on location attempting to contain the spill to soil. CFS >50 tanker ordered to removed liquids, none available until at least 12:00 or 13:00 hours. Env yellow tag 20068 placed on vault. Sample taken on coc DD10629. Drums being delivered from Van Nest SC tool room to excavate soils, but need tanker and UG env crew to remove liquids from vault which continues to seep out minor amount of oil and water to soil and grass. CIG Larry
Costa notified 13880 at 09:10 hours. EHS Sr. Spec Ken Trager 17063 dispatched to investigate.
Rich Benkwitt 38373.

02-Dec-2004 10:10 hrs. EHS Ken trager on location. I&A O/S Alfons Ferretti 42925 updated amount of oil to 2 gals on 100 gals of water. Crew will excavate soils, but water/oil mix still
seeping out. Rich Benkwitt 38373

02-Dec-2004 10:10 hrs
NYP004 127 403 issued.

12/02/2004
Lab Sequence Number: 04-09998-001 MATRIX: OIL GRAB TOTAL PCB 14 ppm
Changed CFS tanker to <50 based on sample results.

2-Dec-2004 18:59hrs.
I&A O/S Alfons Ferretti 42925 reports partial cleanup complete. During operations as liqued was removed from structure the transformer gage indicated the unit went below min. creating an unsafe work location. Final cleanup of unit will be pending equip. to be de-energized. CFS tanker took on 100 gallons of PCB liqued <50 PPM for transport and disposal at Astoria WWTF. I&A generated 2 55-gal.drums and 1 bag of non-haz oily debris solids from soil excavation and transported waste to Van Nest Service Center for proper storage and disposal. Structure and sidewalk and outside of transformer were double washed and rinsed. No liqued is observed exiting the unit or remaining on structure floor. Env. Tag remains in place.

03-Dec-2004 15:34 hrs.
TC on fdr 3x69 now and FOD marking cable per FCR Mike Murray, live end cap in adjacent manhole stilll not complete. Scheduled CFS <50 tanker for Sat 08:00 AM to drain unit and UG env crew to flush walk-in vault. this will complete partial cleanup of vault and assumed leaking transformer below min.

Historic sampling results:
3/12/1995 31 ppm
7/9/1986 17 ppm

04-December-2004 13:00 hrs.
At 10:00 hrs. Bx/West Environmental Flush Mechanic N. Lopez # 19018 reported that the CFS. Tanker removed 50 gallond of liquid. The Vault was double washed and rinsed with 760 soap and water and the CFS tanker removed all liquids. The Flush crew removed 2 bags of non-hazardous waste which will be deposited in the temporary non-hazardous waste area at Van Nest Service Center. The I&A are on location draining the unit for removal. Partial Cleanup complete, final cl;eanup pending the transformer removal. Crew on location N. Lopez # 19018, M. McDonnell # 17152.

14-Feb-2005 17:29
Flush Mech M. Williams 83739 reports cleanup complete performing a double wash and rinse removing 1/2 cubic yard of non-hazardous debris to be brought to Hellgate pit fro temporary disposal. Env tag 20068 was removed and the source of the oil which was the transformer has been removed and will be replaced. No oil is entering the structure at this time.

Map Identification Number 110 **JEROME AV @ EDEN AV** **Spill Number: 8805315** **Close Date: 09/20/1988**
JEROME AV @ EDEN AV NYC, NY TT-Id: 520A-0014-178

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2180 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: JEROME AV / MOUNT EDEN AV W
Revised zip code: 10452

Source of Spill: UNKNOWN | Spiller: UNK | Spiller Phone:
Notifier Type: Fire Department | Notifier Name: | Notifier Phone:
Caller Name: DSPTCHR 303 | Caller Agency: NYFD | Caller Phone: (212) 430-0200
DEC Investigator: TOMASELLO | Contact for more spill info: | Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/20/1988	09/20/1988	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

TRACTOR TRAILER ACCIDENT RUNNING INTO CATCH BASIN. NYC SEWER DEPT HASBEEN NOTIFIED. TRANSIT AUTH, EPA, & DEP(COX) WERE NOTIFIED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 111 **BASEMENT** **Spill Number: 0711306** **Close Date: 02/19/2008**
1761 UNDERCLIFF AVE BRONX, NY TT-Id: 520A-0211-915

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2230 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: | Spiller Phone:
Notifier Type: Citizen | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: SFRAHMAN | Contact for more spill info: CARLA REID | Contact Person Phone: (718) 294-9253

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/27/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CALL CONTACT FOR FURTHER.

DEC Investigator Remarks:

01/28/08- I spoke with Carla Reid,she indicated that her oil technician discovered the underground line leaking, by passed the existing line and installed a new one.Old line needs to be excavated out to see if there is any contamination around.
Letter was sent asking to remove the contamination around the old line.(SR)
02/19/08 Letter from Petro Oil confirmed that the old line was not leaking, passed the pressure test,installed the new line as a preventive measure.There was no contamination around the old lines.(Sr)

Map Identification Number 112 **VACANT BUILDING** **Spill Number: 0808073** **Close Date: 11/20/2009**
1854 CEDAR AVE BRONX, NY TT-Id: 520A-0220-292

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2244 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name:
DEC Investigator: vszhune
Spiller: PAUL CIMINELLO - UNKNOWN
Notifier Name:
Caller Agency:
Contact for more spill info: PAUL CIMINELLO
Spiller Phone:
Notifier Phone:
Caller Phone:
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/17/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

Soil boring samples came back positive for contamination. Soil will be excavated when available.

DEC Investigator Remarks:

10/17/08 A csl was sent to

Wilkins Derek (as per property shark)
763 Dawson Street
Bronx, NY 10455
(sr)

03/19/09-Zhune spoke to Paul Ciminello from Ecosytems Strategies (845) 452-1658. He said the wok plan was sent to the client. The client reviewed it and sent it to Albany to the Housing Trust fund. The reason because they first sent it to Albany is becouse they wanted to be sure that the Housing trust fund will pay for the remediation.
They received the work plan signed off today and he will send it to me today. He also said the building demolition will beging in April then they will remove the soil contaminated in the middle of April.

12/08/08. Paul sent me the following e-mail. I apologize for the delay in responding; Thanksgiving was followed by a week doing jury duty. When last we spoke, you were looking for
information on the current owner of 1854 Cedar Avenue for the purpose of establishing contact.
I contacted my client and the owner of record is:
Derek Wilkins.
The mailing address is:
1854 Cedar Avenue
Bronx, NY 10453.

My client also informs me that the project is slated to begin in January 2009, with the demolition of the buildings. At that point, the contaminated soils will be accessible and they will be removed.

11/20/09- Ecosystems Strategies, Inc.sent the closure report dated september 14, 2009

Map Identification Number 113 **2084 GRAND AVENUE** **Spill Number: 9306130** **Close Date: 06/03/2002**
2084 GRAND AVENUE BRONX, NY TT-Id: 520A-0011-370

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2252 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: UNK | Spiller Phone:
Notifier Type: Other | Notifier Name: | Notifier Phone:
Caller Name: STEVE TAGER | Caller Agency: PETROL TANK CLEANERS | Caller Phone: (718) 624-4842
DEC Investigator: TOMASELLO | Contact for more spill info: | Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/18/1993		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	60.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CONTAINED IN TANK BOOM - FD IS THERE - PETROL TANK SENDING A VAN-DRISOL - VAC TRUCK.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 114 **2084 GRAND AVENUE** **Spill Number: 9306121** **Close Date: 08/20/1993**
2084 GRAND AVENUE BRONX, NY TT-Id: 520A-0011-369

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2252 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: UNK | Spiller Phone:
Notifier Type: Local Agency | Notifier Name: | Notifier Phone:
Caller Name: MARIA AVILES | Caller Agency: NYC DEP | Caller Phone: (718) 595-6700
DEC Investigator: ADZHITOM | Contact for more spill info: | Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/18/1993	08/20/1993	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

SPILL CONTAINED IN BASEMENT AT THIS TIME. FIRE HAZ/MAT IS AT SCENE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"
10/10/95: This is additional information about material spilled from the translation of the old spill file: FUEL OIL.

Map Identification Number 115 **MANHOLE 29558** **Spill Number: 9814034** **Close Date: 03/01/1999**
CEDAR AVE/W TREMONT AVE BRONX, NY TT-Id: 520A-0007-150

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2298 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	RICHARD ROACH - CON EDISON		Spiller Phone: (212) 580-6763
Notifier Type:	Responsible Party	Notifier Name:	MR VESELI		Notifier Phone:
Caller Name:	TONY CONSTANTINE	Caller Agency:	CON EDISON		Caller Phone: (212) 580-6763
DEC Investigator:	CAENGELH	Contact for more spill info:	TONY CONSTANTINE		Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/19/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	2.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

labs pending - contained in 1000 gals water

con ed 123355

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
DEC Inspector Notes:

2/24/98: Spoke to ERT Perez- he is ot investigate why spill of oil appears to have been cleaned before PCB results obtained.

Con ed e2mis notes:

ON 2/20/99 TO crews responded to manhole to perform cleanup. Thre ws only a sheen in the manhole. Not 2 gallons of oil. Pads were placed to absorb sheen. There was not enough product in the manhole to take a sample. The sheen was completely absorbed with the pads.

Map Identification Number 116 **IN MANHOLE** **Spill Number: 9808990** **Close Date: 10/20/2004**
CEDAR AVE / TREMONT AVE BRONX, NY TT-Id: 520A-0009-274

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2298 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: CEDAR AV / W TREMONT AV
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:	UNK	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	TONY CONSTANTINE	Notifier Phone:	(212) 580-6763
Caller Name:	TONY CONSTANTINE	Caller Agency:	CON ED	Caller Phone:	(212) 580-6763
DEC Investigator:	CAENGELH	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/19/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTEWATER	OTHER	300.00	GALLONS	0.00	GALLONS	SOIL
UNKNOWN PETROLEUM	PETROLEUM	30.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

material found in manhole unk source or cause clean up after lab results

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

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e2mis no. 120624:

19-OCT-1998
BLACKMAN FROM THE CORROSION GROUP (CENTRAL GAS) REPORTED THAT HE FOUND APPROX 30 GAL OF UNKNOWN OIL AND 500 GAL OF WATER IN MH 29007. THIS IS A 345 KV MANHOLE (FDRS M51/52). SPILL IS CONTAINED. NO SEWERS/WATERWAYS IMPACTED. VERNON SCHAFFER FROM TRANSMISSION OPERATIONS WAS CONTACTED. HE WILL FOLLOW UP AND HAVE A CREW SAMPLE AND TAG THE LOCATION.

CLEANUP CHECKLIST
Containment/Cleanup Activities (per GEI 2.11, 2.13, 2.16, 3.2, or 3.3)
X Removed/recovered liquid/solids.
X Used absorbents to remove residual fluids.
X Removed visible traces of oil.
X Washed stained areas.
Name of contractor : CLEAN HARBORS INC.
Cleanup completed on Date: 10/20/98 Time*: 15:00

Map Identification Number 117 **MANHOLE #20256** **Spill Number: 9913437** **Close Date: 02/28/2002**
W. 175TH ST & MONTGOMRY BRONX, NY TT-Id: 520A-0009-424

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2309 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: W 175TH ST / MONTGOMERY AV
Revised zip code: 10453
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Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	MR DIXON	Notifier Phone:	(212) 580-7663
Caller Name:	JIMMY FOX	Caller Agency:	CON ED	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	JIMMY FOX	Contact Person Phone:	(212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/28/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

clean up pending test results ref #130153

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 118 **OIL IN DUCT AT MANHOLE # 9647** **Spill Number: 0712397** **Close Date: 05/12/2008**
EAST WALTON AVE & MOUNT EDEN AVE BRONX, NY TT-Id: 520A-0218-346

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2349 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: WALTON AVE / E MOUNT EDEN AVE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CON EDISON	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	gdbreen	Contact for more spill info:	ERTSDESK	Contact Person Phone:	(212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/25/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

1 PINT SPILL COMING FROM A SECONDARY DUCT AND IS ON GOING; NOT CONTAINED; CLEAN UP PENDING; REF #210029

DEC Investigator Remarks:

05/12/08 - See eDocs for Con Ed report detailing cleanup and closure.

210029. see eDocs

Map Identification Number 119 **#6 IN MNHLE-173 ST & SEL** **Spill Number: 8602591** **Close Date: 07/21/1986**
173 ST & SELWYN AVE. NEW YORK CITY, NY TT-Id: 520A-0010-045

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2352 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: E 173RD ST/SELWYN AVE
Revised zip code: NO CHANGE

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN AT THIS TIME	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:		Notifier Phone:	
Caller Name:		Caller Agency:		Caller Phone:	
DEC Investigator:	UNASSIGNED	Contact for more spill info:		Contact Person Phone:	

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/21/1986	07/21/1986	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	UNKNOWN	0	UNKNOWN	GROUNDWATER

Caller Remarks:

OIL IN MANHOLE AT THIS LOCATION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "

Map Identification Number 120 **MANHOLE #23914** **Spill Number: 9911740** **Close Date: 03/21/2002**
CRESTON AV & BURNSIDE AV BRONX, NY TT-Id: 520A-0014-390

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2354 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: CRESTON AVE / E BURNSIDE AVE
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	NATE MOORE	Notifier Phone:	(212) 580-6763
Caller Name:	RICHARD ROACH	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	RICHARD ROACH	Contact Person Phone:	(212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/09/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

clean up pending test results - no water - Con Ed #129534

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

e2mis no. 129534:

JAN. 9, 2000 bronx fod j. jakubowski #38098 reports approx 3 gallons of oil in mh and no water. oil is in the corner of hole in dirt. diapers have been placed to prevent oil from spreading. supervisor is on route to take sample and tag in hole. clean-up is pending
results

1-10-00 10:56
LSN 00-00257 26 PPM aroclor 1254.

1-10-00 16:08 Plate 24-h-2 indicates no sewer connection in this manhole.

01/14/00 @ 13:15 Hrs. Flush operator J. Rohe repports that the clean up is complete in manhole # 23914. The (3) gallons of heating oil and approx. (75) gallons of wash water were removed by corporate tanker, solid debris was placed in (3) plastic bags and taken to the Van Nest Service Center to be disposed as NON-HAZARDOUS waste. There was no sewer connection in this manhole to seal, and sump is concrete. Mr. Rohe removed environmental tag. Mr. Rohe reports that the oil is home heating oil from a recently dug up fuel tank in the vicinity of this manhole.

21-MAR-2002 @ 10:00 Hrs Flush Operating Supervisor Charlie D'Alisera and EH&S Sr. Specialist Jim Grahan inspected MH's 23914 & 23915 on Wednesday 3/20/02 and found both manholes were dry and there was no oil present. Supervisor D'Alisera remembers that these holes were found to have heating oil in them do to the apartment building filler neck being broke. Contractor repaired and problem was corrected.

Map Identification Number 121 **MANHOLE 23915** **Spill Number: 9911498** **Close Date: 03/21/2002**
CRESENT AV/BURNSIDE AV BRONX, NY TT-Id: 520A-0014-387

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2354 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: CRESTON AV / E BURNSIDE AV
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	BRUCE MARKET	Notifier Phone:	(212) 580-6763
Caller Name:	RICHARD ROACH	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	CAENGELH	Contact for more spill info:	RICHARD ROACH	Contact Person Phone:	(212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/03/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	3.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CON ED #129468

SAMPLE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

Map Identification Number 122 **MANHOLE - # 23915** **Spill Number: 9909079** **Close Date: 03/21/2002**
CRESTON AV & E BERNSIDE A NEW YORK, NY TT-Id: 520A-0014-389

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2354 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: CRESTON AV / E BURNSIDE AV
Revised zip code: 10453

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: BILL MURPHY
DEC Investigator: CAENGELH
Spiller: UNKNOWN - UNKNOWN
Notifier Name: BILL MURPHY
Caller Agency: CON EDISON
Contact for more spill info: BILL MURPHY
Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6763
Contact Person Phone: (212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/26/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 gal of unk oil not on any water - sample taken - clean up is pending lab results - pcb test and id test taken

con ed # 128658

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

e2mis no. 128658:

10/26/99 @ 14:15 hrs. Mechanic R. Mercado reports approximately (1) gallon of unknown oil in dirt on floor of manhole # 23915. Conduit plate 24-H-2 indicates no sewer connection at this location. He took (2) samples, one for PCB, and one for oil identification. He placed environmental tag # 09475. Clean up pending sample results.

10/28/99 @ 15:15 hrs.
Lab Sequence Number: 99-11326 PCB 26 PPM

10/28/99 @ 15:15 hrs.
Lab Sequence Number: 99-11327
ANALYSIS INDICATES THE PRESENCE OF AN OILY SUBSTANCE SIMILAR TO A HEAVY FUEL OIL.

Cleanup completed on 11-8-99 at 1430 hours. 1-gallon oil and 200 gallons water removed via tanker. PCB 26 PPM. Manhole flushed. No sewer connection. Tag Removed.

21-MAR-2002 @ 10:00 Hrs Flush Operating Supervisor Charlie D'Alisera and EH&S Sr. Specialist Jim Grahan inspected MH's 23914 & 23915 on Wednesday 3/20/02 and found both manholes were dry and there was no oil present. Supervisor D'Alisera remembers that these holes were found to have heating oil in them do to the apartment building filler neck being broke. Contractor repaired and problem was corrected.

Map Identification Number 123 **MAN HOLE # 2531** **Spill Number: 9907063** **Close Date: 11/29/1999**
EASTBURNSIDE AV/CRESTON A BRONX, NY TT-Id: 520A-0014-388

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2354 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: EAST BURNSIDE AVE / CRESTON AVE
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	SCMID	Notifier Phone:	
Caller Name:	MIKE CESARE	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	MIKE CESARE	Contact Person Phone:	(212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/13/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	6.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

6 gallons on 50 gallons of water. sampled and clean up pending results.

con ed# 127791

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
con ed e2mis notes:

oil/water mix in MH2531, 6 gallons oil in approx 50 gal water, sample taken, conduit plate 24-H-2 indicates no sewer connection.

Cleanup complete, 50 gal oily water removed...800 LBS solid waste removed...sump sealed ...However, hole makes water thru wall...tag pulled, Cleanup compl 2115 hrs 9/30

Map Identification Number 124 **MAN HOLE # 23914** **Spill Number: 0009776** **Close Date: 12/28/2000**
CRESTON AVE/BURNSIDE AV BRONX, NY TT-Id: 520A-0014-386

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2354 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: CRESTON AVE / E BURNSIDE AVE
Revised zip code: 10453

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN - UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	MARK SCHLAGEL	Notifier Phone:	(212) 580-6763
Caller Name:	MARK SCHLAGEL	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	KMFOLEY	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/28/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

con ed # 134528 spill is confined in the man hole clean up pending lab results

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
e2mis Notes:

1 pint unknown oil in MH23914 with no water in manhole. Conduit Plate #24-H-2 indicates no sewer connection. Sample taken and returned 68ppm PCBs. Clean Harbors was called to do cleanup because results for flashpoint will not be back soon enough. harlie D'Alisera reports Clean Harbors did cleanup in manhole but was unable to remove tar like substance from floors and walls. Flush crew will soda blast hole. Flashpoint results <212degF. Flush Maechanic J. Rohr reports 1 pint of oil and 50gal water removed. Flush soda blasted and double washed manhole. Cleanup completed 50-499ppm at 12:15.

KMF 4/11/01

Map Identification Number 125 **MANHOLE 2531** **Spill Number: 0007197** **Close Date: 11/27/2001**
CRESTON AV/E BURNSIDE AV BRONX, NY TT-Id: 520A-0014-391

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2354 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill:	UNKNOWN	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Affected Persons	Notifier Name:	MARKERT	Notifier Phone:	
Caller Name:	BILL MURPHY	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	JHOCONNE	Contact for more spill info:	BILL MURPHY	Contact Person Phone:	(212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/19/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

SHEEN ON 100 GALS OF WATER CONFINED TO MANHOLE - SAMPLE TAKEN CLEAN UP PENDING RESULTS - CON ED 133479 -SAMPLE TAKEN OF TARLIKE SUBSTANCE ON WALL OF MANHOLE ALSO

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Con Ed e2mis #133479 Notes:

9-19-00 Undiaperable sheen on 100gal water in manhole. Conduit plate indicates no sewer connection. There is a tar-like substance on the wall of manhole. Sample results are <1ppm PCB.

9-20-00 Corporate tanker removed 1/2pt unknown oil and 500gal water from manhole. Cleanup completed by double washing with slix. Liquids removed by tanker. No solids were generated. No leaking equipment. Sump sealed.

Map Identification Number 126 **BRONX LEBANON HOSPITAL** **Spill Number: 9905835** **Close Date: 08/18/1999**
1650 GRAND CONCOURSE BRONX, NY TT-Id: 520A-0010-084

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2398 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	DAVID WOODS - BRONX LEBANON HOSPITAL	Spiller Phone:	(718) 518-5288
Notifier Type:	Other	Notifier Name:	BILL VANBOMEL	Notifier Phone:	(718) 579-3414
Caller Name:	JIM CAREY	Caller Agency:	CASTLE OIL CORPORATION	Caller Phone:	(718) 579-3414
DEC Investigator:	SMSANGES	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/16/1999		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	30.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

on the loading dock fire dept on the scene cleanup crew on the way

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
SANGESLAND CALLED - SAFETY MANAGER AT HOSPITAL STATED THAT CASTLE DRIVER OVERFILLED A 10,000 GAL TANK. APPROX 30 GAL CAME OUT OF THE VENT LINE ON THE LOADING DOCK. DUE TO SLOPE, OIL TRAVELED OUT TO STREET AND APPROX 50 FEET TO CITY STORM SEWER.

DRIVER DID WHAT HE COULD TO SHUT DOWN AND CONTAIN SPILL, BUT SOME OIL DID MAKE IT INTO THE SEWER. CASTLE OIL HIRED MILRO ASSOC. TO BRING IN A VAC TRUCK TO CLEAN OUT THE SEWER.

8/18/99 Sangesland called Milro -- clean up complete

closed

PBS Inspection performed on 8/9/02, NOV issued on 9/23/02 by DEC Sigona.

Map Identification Number 127 **BRONX LEBANON HOSPITAL** **Spill Number: 0204648** **Close Date: 11/21/2003**
1650 GRAND CONCORSE BRONX, NY TT-Id: 520A-0010-085

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2398 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: 1650 GRAND CONCOURSE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	SAME	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:	ANTHONY CHARLES	Caller Agency:	PETROLEUM TANK CLEANERS	Caller Phone:	(718) 624-4842
DEC Investigator:	TJDEMEO	Contact for more spill info:	JACK HAWKINS	Contact Person Phone:	(718) 518-5025

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
08/01/2002		UNKNOWN	2-608015	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	200.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

caller says he got a call stating materal came up thru the vent

lines - no further info avaliable at this time

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
COPIED ECO.

DEC Sigona sent an NOV from PBS on Sept 23, 2002 after a PBS inspection was performed on 8/9/02

11/21/03 TJD

Spill cleaned by PTC. No disposal documents submitted. Spill closed.

Map Identification Number 128 **Spill Number: 0009866** **Close Date: 07/29/2003**

2055 CRESTON AVE BRONX, NY TT-Id: 520A-0007-311

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2418 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: JOANNE NURSE
DEC Investigator: SIGONA

Spiller: UNKNOWN
Notifier Name: JIM GRAHAM
Caller Agency: NYC DEP
Contact for more spill info: CALLER

Spiller Phone:
Notifier Phone:
Caller Phone: (718) 595-4784
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/30/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

CALLER STATED THAT NOTIFIER SAW SPILL IN SEWER. NOTHING FURTHER.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 129 **ONE PINT OIL IN VAULT # 4116** **Spill Number: 0611957** **Close Date: 02/16/2007**

1750 SEDGWICK AVENUE BRONX, NY TT-Id: 520A-0006-635

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2461 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
Notifier Type: Other
Caller Name:
DEC Investigator: GDBREEN

Spiller: ERTS - CON EDISON
Notifier Name:
Caller Agency:
Contact for more spill info: ERTS

Spiller Phone: (212) 580-8383
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/26/2007		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

1 PINT; PARTIAL CLEAN UP; CLEAN UP PENDING EQUIPMENT; REF #204264

DEC Investigator Remarks:

02/16/07 - See e-docs for Con Ed report detailing cleanup and closure.

204264. see eDocs

Map Identification Number 130 **W. 179TH ST & CEDAR AVE** **Spill Number: 9502789** **Close Date: 06/05/1995**
W. 179TH ST & CEDAR AVE BRONX, NY TT-Id: 520A-0007-111

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2494 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W. 179TH ST / CEDAR AVE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
Notifier Type: Local Agency Notifier Name: Notifier Phone:
Caller Name: GWENDOLYN HAWKINS Caller Agency: NYC DEP Caller Phone: (718) 595-6700
DEC Investigator: KSTANG Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/05/1995	06/05/1995	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

UNKNOWN MATERIAL SPILLED ENTERING SEWERS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"

Map Identification Number 131 **Spill Number: 0308449** **Close Date: 12/11/2003**

2065 CRESTON AVE BRONX, NY TT-Id: 520A-0007-638

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2498 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
Notifier Type: Local Agency
Caller Name: SEAN DONOHUE
DEC Investigator: SMSANGES

Spiller:
Notifier Name: SEAN DONOHUE
Caller Agency: DEP
Contact for more spill info: MR SMITH

Spiller Phone:
Notifier Phone: (212) 689-1520
Caller Phone: (212) 689-1520
Contact Person Phone: (718) 579-6782

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/10/2003		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

cleanup in progress

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
Number for "Mr. Smith" does not work

Sean Donahue of DEP said the spill was minor and under control.

Map Identification Number 132 **1775 CLAY AVE** **Spill Number: 9804012** **Close Date: 06/29/1998**
1775 CLAY AV BRONX, NY TT-Id: 520A-0008-796

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2501 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Other	Notifier Name:	DRIVER	Notifier Phone:	
Caller Name:	SAL SAMMARTANO	Caller Agency:	MYSTIC	Caller Phone:	(718) 932-9075
DEC Investigator:	SMMARTIN	Contact for more spill info:	NO CONTACT NAME OR PHONE#	Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/29/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

EITHER A BAD GADGE OR FALSE TANK SIZE - SPILL IS CONTAINED ON SIDE WALK - PUTTING SPEEDI DRY DOWN

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
(718) 299-1922 SUPER - LEFT MESSAGE

Map Identification Number 133 **Spill Number: 9808922** **Close Date: 10/19/1998**

174 UNIVERSITY AVE BRONX, NY TT-Id: 520A-0014-485

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2513 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: W 174TH ST / UNIVERSITY AVE
Revised zip code: UNKNOWN

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	UNKNOWN	Spiller Phone:	
Notifier Type:	Citizen	Notifier Name:		Notifier Phone:	
Caller Name:	EBONY GENROSS	Caller Agency:	CITIZEN	Caller Phone:	(718) 294-5387
DEC Investigator:	MCTIBBE	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Unable or Unwilling RP - DEC Field Response - DEC Corrective Action Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/16/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

ABONDONED TRUCK ON UNIVERSITY LEAKING OIL ONTO THE ROADWAY. CALLER WANTS TRUCK CHECKED OUT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
PHONE NOT WORKING. 174 UNIVERSITY AVENUE DOES NOT EXIST. COULD NOT FIND TRUCK.

Map Identification Number 134 **1972,74 CEDAR AVENUE. / B** **Spill Number: 8701256** **Close Date: 03/13/2003**

1972,74 CEDAR AVENUE. NEW YORK CITY, NY TT-Id: 520A-0011-399

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2620 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: 1972 CEDAR AVENUE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN | Spiller: UNKNOWN @ MR./MRS.JACKSON | Spiller Phone: (212) 731-5197
Notifier Type: Fire Department | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: BATTISTA | Contact for more spill info: | Contact Person Phone:

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/13/1987		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	GALLONS	0.00	GALLONS	GROUNDWATER

Caller Remarks:

OIL LIKE SUBSTANCE COMING OUT OF THE GROUND BEHIND 1974 CEDAR AVENUE.FIRE DEPARTMENT CANNOT FIND THE SOURCE.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

/ / : DEC WILL INVESTIGATE.

10/10/95: This is additional information about material spilled from the translation of the old spill file: UNKNOWN OIL.

Map Identification Number 135 **FUEL OIL FOUND IN SUMP PIT - 1 GALLON** **Spill Number: 0801513** **Close Date: 05/09/2008**
PROSPECT PLACE & CLAY AVENUE BRONX, NY TT-Id: 520A-0214-583

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2629 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: PROSPECT PLACE / CLAY AVENUE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: ERTSDESK - NOT CON EDISON | Spiller Phone:
Notifier Type: Other | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: hrpatel | Contact for more spill info: ERTSDESK | Contact Person Phone: (212) 580-8383

Category:	Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class:	Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
05/07/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

coming up from the sump in a vault; con ed # 211254

DEC Investigator Remarks:

211254. see eDocs.

Referred to Spills Group.

05/09/08-Hiralkumar Patel. visited site. found coned vault on sidewalk on north side of prospect place. health care unit located along this sidewalk. spoke with Mr. Pedrosa, building operation manager. Mr. Pedrosa was contacted by Coned when oil found. he saw some oil in vault. as per Mr. Pedrosa, they never used oil in last 15 years, since he is working.

Jesus Pedrosa
Promesa
Building Operation Manager
1776 Clay Ave
Bronx, NY
Ph. (917) 939-3641

as per Mr. Pedrosa, multiple buildings across prospect place and clay ave uses heating oil.

based on observations during site visit and amount of reported spill, case closed.

CLOSED STATUS HAZARDOUS SPILLS - MISC. SPILL CAUSES - EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, AND VANDALISM - IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS.
All spills mapped and profiled within 1/8 mile. Between 1/8 mile and 1/2 mile search radius, spills reported to be greater than 100 units and spills reported in the NYSDEC Fall 1998 MTBE Survey are mapped and profiled. Spills reported to be less than 100 units are listed in a table at the end of this section.

Please Note: * - Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 136 **RESIDENCE** **Spill Number: 0005234** **Close Date: 08/02/2000**
1750 GRAND AVE BRONX, NY TT-Id: 520A-0007-267

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 165 feet to the SW*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	CALLER - CASTLE OIL CO	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:	ANTHONY ALSTON	Notifier Phone:	
Caller Name:	CHARLES MALONE	Caller Agency:	CASTLE OIL CO	Caller Phone:	(718) 579-3480
DEC Investigator:	JMKRIMGO	Contact for more spill info:	1750 REALTY CORP	Contact Person Phone:	(718) 432-1700

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/01/2000		TANK OVERFILL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	600.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

appears to be tank overfill -- clean up crew on scene.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
Fill line has a leak. Should be peraired next day. RP cleaned up the spill.

Map Identification Number 137 **MANHOLE 14272** **Spill Number: 9908266** **Close Date: 02/20/2002**
105-107 WEST TREMONT AV BRONX, NY TT-Id: 520A-0011-936

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 192 feet to the WNW*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	CALLER - CON ED	Spiller Phone:	(212) 580-6763
Notifier Type:	Responsible Party	Notifier Name:	DIXON	Notifier Phone:	
Caller Name:	MIKE CESARE	Caller Agency:	CON EDISON	Caller Phone:	(212) 580-6763
DEC Investigator:	COMENALE	Contact for more spill info:	MIKE CESARE	Contact Person Phone:	(212) 580-6763

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/07/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

LEAKING CABLE JOINT CAUSED 1/2 PINT OF PRODUCT TO SPILL IN DRY MANHOLE - CLEAN UP PENDING LAB RESULTS - CON ED #128303

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 138 **125 W. TREMONT AVE** **Spill Number: 9406349** **Close Date: 08/10/1994**
125 W. TREMONT AVE BRONX, NY TT-Id: 520A-0008-240

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 260 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	P & O REALTY BLDG	Spiller Phone:	
Notifier Type:	Other	Notifier Name:		Notifier Phone:	
Caller Name:	DORIS BEREIDERFER	Caller Agency:	CASTAL REF.	Caller Phone:	(718) 746-2417
DEC Investigator:	SMMARTIN	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/10/1994	08/10/1994	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

GAUGE MALFUNCTION-SPILL ON CONCRETE SIDEWALK & CONTAINED WITH SAWDUST. SERVICE ENROUTE TO FOLLOW UP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"

Map Identification Number 139 **125 WEST TREMONT AVE.** **Spill Number: 9313948** **Close Date: 03/08/1994**
125 WEST TREMONT AVE BRONX, NY TT-Id: 520A-0008-199

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 260 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	MYSTIC TRANSP.	Spiller Phone:	
Notifier Type:	Responsible Party	Notifier Name:		Notifier Phone:	
Caller Name:	JOHN GOODMAN	Caller Agency:	MYSTIC TRANSP.	Caller Phone:	(718) 932-9075
DEC Investigator:	JMROMMEL	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
02/26/1994	03/08/1994	HUMAN ERROR	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

4000 GAL TANK WAS SUPPOSED TO BE 5000 GAL. SPILL ON GROUND - DRIVER & SUPERINTENDENT ARE CLEANING. (TIBBE)

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"

Map Identification Number 140 **125 WEST TREMONT ST** **Spill Number: 8906296** **Close Date: 06/07/1995**
125 W TREMONT ST BRONX, NY TT-Id: 520A-0009-535

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 260 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: 125 W TREMONT AVE
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: M.B. TRUCKING Spiller Phone: (212) 328-3275
Notifier Type: Responsible Party Notifier Name: Notifier Phone:
Caller Name: ROBERT CABASSA Caller Agency: M.B. TRUCKING Caller Phone: (212) 328-3275
DEC Investigator: FINGER Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/26/1989	06/07/1995	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

Caller Remarks:

DELIVERY HOSE BURST.SPILL CONTAINED WITH SPEEDY DRY.CONTACTED A.L. EASTMON FOR CLEAN UP.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 141 **APT. BUILDING** **Spill Number: 0710211** **Close Date: 12/26/2007**
1822 DAVIDSON AVE BRONX, NY TT-Id: 520A-0211-896

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 269 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: ROSALINE GASBAR - APT. BUILDING Spiller Phone: (718) 583-7017 ext. 1
Notifier Type: Other Notifier Name: Notifier Phone:
Caller Name: Caller Agency: Caller Phone:
DEC Investigator: hrpatel Contact for more spill info: ROSALINE GASBAR Contact Person Phone: (718) 583-7017 ext. 1

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/26/2007		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	20.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

effecting side walk and curb; DEFECTIVE GADGE; CLEANING CREW ON SCENE;

DEC Investigator Remarks:

12/26/07-Hiralkumar Patel. spoke with Ms. Gasbar. no spill inside building. oil spilled from vent pipe on sidewalk. spoke with Bob at Castle oil. oil spilled from vent on sidewalk and curb. no soil/grass area affected. no spill inside building.

case closed.

Map Identification Number 142 **COMMERCIAL** **Spill Number: 0705632** **Close Date: 04/09/2008**
1829 JEROME AVE BRONX, NY TT-Id: 520A-0006-329

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 368 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Other
Caller Name:
DEC Investigator: hrpatel

Spiller: CHRIS BOYLE - BRADFORD SWETT MANGAMENT
Notifier Name:
Caller Agency:
Contact for more spill info: CHRIS BOYLE

Spiller Phone: (212) 772-7550
Notifier Phone:
Caller Phone:
Contact Person Phone: (212) 772-7550

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/16/2007		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

NOT YET CLEANED; FOUND AS PART OF SITE INVESTIGATION; HISTORICAL RELEASE;

DEC Investigator Remarks:

08/30/07-Hiralkumar Patel. spoke with Mr. Reid at LCS. during site assessment they found contamiantion around anamoly they found during GPR survey. Mr. Reid will send copy of Phase I report. also asked Mr. Reid to send sample analyticals with site map, including sampling locations, once he gets it.

spoke with Mr. Boyle, property owner. he mentioned that site has auto repair shop for last 10 years. Mr. Boyle mentioned that investigation work done as part of refinancing.

property owner:
Christopher Boyle
Munger Mountain Partnership L.P.
1536 3rd Avenue
New York, NY 10028
Ph. (212) 772-7550
Fax (212) 249-0029

email: bradfordswett@yahoo.com

Douglas Reid
LCS Inc.
Ph. (716) 845-6145
email: dreid@lenderconsulting.com

no PBS record.

09/05/07-Hiralkumar Patel. received email form Bryan Mayback (bmayback@lenderconsulting.com) from LCS with sample analytical data for four soil samples and site map with sampling locations. they took total of 11 soil samples. found VOC contamination in soil samples. sent email to Mr. Mayback requiring copy of phase I report and full investigation report.

received PHase I report. abstract:

- seven 55 gal used oil drums were noted in the trasmission repair area
- one 275 gal waste oil AST was noted in trasmission repair area
- noted a vent pipe, nature of this pipe is unknown, but may be associated with an UST
- certificate of occupancy indicates that a gasoline tank installation and standpipe system was approved by fire dept.
- pool of antifreeze was noted to be flowing into the floor drain within PR auto collision space <---------
- site use gas heating system
- floor drain were noted within the site that reportedly drain to sewer system
- subject site and an adjacent property are currently and historically been utilized as motor repair facility
- according to sanborn maps, subject site has had two 550 gal gasoline tanks in western portion from at least 1950 until at least 1996
- adjacent property uses of potential concern included the south adjacent structure which was listed as a garage on map dating from 1950 through 1996

09/14/07-Hiralkumar Patel. spoke with Doug. he has submitted investigation report to his client for review. once he gets ok from client, he will send report to DEC.

09/28/07-Hiralkumar Patel. received Phase II report. abstract:

- site is occupied and utilized by PR auto collision
- during Phase I, found suspect vent pipe along north end of structure
- suspect vent pipe was determined to likely have gone to AST
- two fill ports, noted within sidewalk, were traced and one anomaly was discovered, within the site. second fill port appeared to terminate to soils proximate to the anomaly
- 11 boreholes (BH1 through BH11) were completed proximate to the suspect UST area
- soil samples were collected from 4 boreholes and remaining got refusal
- soil samples were collected continuously from the ground surface until equipment refusal was encountered
- fill material consisting of silt, sand and gravel was encountered within each borehole to depths of approx. 5 ft bg. fill material was generally underlain by native soils including miscellaneous sand, silt and clay to depths of approx. 14.6 ft bgs
- found contamination in two soil samples

----------BH5-------BH8-----limit
4-6 ft 6-8 ft
Benzene----------448----------60
n-Propylbenzene----------32,100-----3,700
n-Butylbenzene----------11,700----10,000

sent letter to Mr. Boyle requiring soil/groundwater delineation and endpoint samples. letter emailed to Mr. Boyle and Mr. Reid.

10/31/07-Hiralkumar Patel. left message for Mr. Boyle. received call from Mr. Boyle. they haven't done any work yet. asked Mr. Boyle to provide schedule for work by end of Nov. 2, 2007.

11/01/07-Hiralkumar Patel. received call from Mr. Reid. they are in process of hiring contractor to remove tank and will remove contaminated soil at that time. Mr. Reid will call back (within two weeks) with schedule for excavation.

11/21/07-Hiralkumar Patel. received email from Mr. Reid. they just got access to site from tenant and will schedule work. Mr. Reid will send work schedule.

12/14/07-Hiralkumar Patel. received email from Mr. Reid. they have scheduled tank removal on Jan. 8, 2008.

01/07/08-Hiralkumar Patel. received email from Mr. Reid. tank removal has been rescheduled on Jan. 15, 2008.

02/14/08-Hiralkumar Patel. received message from Shawn from LCS. they found elevated benzene in one of endpoint samples. left message for Mr. Reid to submit analytical values with site map, including sampling points, for review. asked him to wait before backfilling, as may require further work based on sample analyticals.

Shawn Mittlefehldt
LCS, Inc.
Ph. (716) 845-6145 (O)
(585) 370-0051 (C)
email: smittlefehldt@lenderconsulting.com

02/22/08-Hiralkumar Patel. received sample analyticals and site map from Shawn. took one bottom and four sidewall samples. no contamination found in any samples. site map shows limit of excavation, but doesn't show sampling depth and locations.

02/29/08-Hiralkumar Patel. sent email to Shawn, Mr. Reid and Mr. Boyle requiring submission of closure report.

03/25/08-Hiralkumar Patel. spoke with Shawn. they are preparing report and will submit soon.

04/09/08-Hiralkumar Patel. received closure report from LCS. abstract:

- upon excavation, one approx. 550 gal UST was discovered
- total of 550 gal oil/water and sludge mixture were removed
- all accessible ancillary piping was also removed

- no holes found in UST
- excavation measured approx. 15 ft by 32 ft by 6 ft deep
- excavation was limited to the east by the exterior wall and to the north by on-going business operations
- approx. 14.62 tons of impacted soil was excavated
- endpoint samples collected from each sidewall and bottom of excavation
- minor contamination found in endpoint samples

based on submitted report, case closed.

05/19/08-Hiralkumar Patel. received email from Doug requesting NFA letter. NFA sent to Mr. Boyle. letter emailed to Mr. Boyle and Doug.

Map Identification Number 143 **Spill Number: 0210092** **Close Date: 06/23/2003**

62-66 W. TREMONT AVE BRONX, NY TT-Id: 520A-0011-926

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 439 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	HDSC	Spiller Phone:	(718) 716-7078
Notifier Type:	Other	Notifier Name:	LARRY LOPEZ	Notifier Phone:	
Caller Name:	MIKE RIORDAN	Caller Agency:	CASTLE OIL	Caller Phone:	(718) 579-3403
DEC Investigator:	RWAUSTIN	Contact for more spill info:	HDSC	Contact Person Phone:	(718) 716-7078

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/06/2003		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	15.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

appears the wrong amount of oil was ordered - causing overfill

spill is just on the ground - spill clean up on scene

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"
ARAKHAN 1/7/03 SPILL ON CONCRETE; NO SEWER AFFECTED. CLEANUP COMPLETED APPROX 10 PM ON 1/6 BY CASTLE CLEANUP CREW.

AUSTIN - BASED UPON NOTE FROM ARAKHAN, SPILL CLOSED OUT - END

Map Identification Number 144 **HAROLD DIAMOND APTS** **Spill Number: 0104736** **Close Date: 10/06/2003**
1721 GRAND AV BRONX, NY TT-Id: 520A-0007-392

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 472 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	SUPERINTENTENDANT - HAROLD DIAMOND APTS	Spiller Phone:	(917) 218-5122
Notifier Type:	Other	Notifier Name:	DRIVER	Notifier Phone:	
Caller Name:	PHILIP SILVERGLATE	Caller Agency:	PETROLEUM SERVICES	Caller Phone:	(800) 337-4536
DEC Investigator:	MXTIPPLE	Contact for more spill info:	SUPERINTENTENDANT	Contact Person Phone:	(917) 218-5122

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/02/2001		EQUIPMENT FAILURE	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	20.00	GALLONS	20.00	GALLONS	SOIL

Caller Remarks:

GAUGE ON THE OIL TANK WAS OFF.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"
9/19/03 TIPPLE SENT REQUEST FOR DOCUMENTATION////

9/23/03 BLD MGR TO FORWARD DOCUMENTATION//PHOTOS OF VENT/FILL/TANK ROOM///

10/06/2003 tipple recieved photos of clean areas, nfa issued

Map Identification Number 145 **E177TH STREET & JEROME AV** **Spill Number: 9809680** **Close Date: 11/04/1998**
E177TH STREET & JEROME AV BRONX, NY TT-Id: 520A-0009-281

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 509 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: E 177TH ST / JEROME AV
Revised zip code: 10453

Source of Spill: UNKNOWN
Notifier Type: Police Department
Caller Name: DET CLEVELAND SIMS
DEC Investigator: SIGONA

Spiller: UNKNOWN
Notifier Name: DEPT OF SANITATION
Caller Agency: NYC ENVIRONMENTAL POLICE
Contact for more spill info: DET CLEVELAND SIMS

Spiller Phone:
Notifier Phone: (212) 788-4058
Caller Phone: (212) 837-8452
Contact Person Phone: (212) 837-8452

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
11/02/1998		ABANDONED DRUM	YES	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	25.00	GALLONS	75.00	GALLONS	SOIL

Caller Remarks:

CONTAINERS FOUND AT ABOVE LOCATION - SOME WERE TIPPED OVER CAUSING SPILL OF APPROX 25 GALS ON TO ROADWAY-SPILL HAS BEEN CONTAINED WITH

SPEEDY-DRI--------REQ CALL BACK FROM DEC REP.

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

4-5 GALLON BUCKETS - WASTE OIL
1-25 GAL. DRUM - SPILLED

SPOKE TO SIMS; HE PUT UP TAPE

DEC (Sigona) investigated the complaint found 1-35 gallon drum and 4-5 gallon buckets of oil. Some of the oil was spilled on sidewalk between Walton & Jerome Ave along East 177th Street. There was also a abandoned washing machine. The drums were left on sidewalk near auto repair shop. DEC contacted ECO's on 11/3/98 to conduct search of neighborhood auto repair shops. There were no responsible parties found. photos were taken and Winston Contractors were hired by DEC. Speedi dry was used to cleanup 15 x 20- ft stain on sidewalk and overpack the drums and containers. Winston also removed drum place on E172nd Street under spill no. 9809682

Map Identification Number 146 **CONED VEHICLE #607447** **Spill Number: 0405449** **Close Date: 12/29/2004**
1876 JEROME AVE BRONX, NY TT-Id: 520A-0011-929

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 546 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	ERT DESK - CONED VEHICLE #607447	Spiller Phone: (212) 580-8383
Notifier Type:	Responsible Party	Notifier Name:	PAUL DEDONOTO	Notifier Phone: (212) 580-6764
Caller Name:	PAUL DEDONOTO	Caller Agency:	CONED	Caller Phone: (212) 580-6764
DEC Investigator:	SKARAKHA	Contact for more spill info:	ERT DESK	Contact Person Phone: (212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/18/2004		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	50.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

hydralic system failed on truck: In process of cleaning up No to 5 questions: coned # 154929

DEC Investigator Remarks:

e2mis no 154929

Dominic T. Cleary, 46911, report that while preparing to pull cable using cable truck 60747 there was a catastrophic failure of the vehicle's hydraulic system and as much as 50 gallons of hydraulic fluid leaked from the vehicle and spilled to asphalt where it was contained using absorbent materials from spill kits. NO SEWERS, WATERWAYS, OR PRIVATE PROPERTY AFFECTED. Cleanup is in

progress.

18-August-2004 13:54 Hrs
Flush Mechanic David Rodrigez, 01075, reports cleanup complete, 10 bags of speedy-dry were applied to absorb the spilled oil, 6 drums of nonhazardous oily debris was generated during the cleanup, the affected street area was power washed using degreaser "760" and approximately 50 gallons of nonhazardous oily washwater was removed by flush truck, and vehicle has been turned in to CFS Garage for repairs before being returned to service.

Map Identification Number 147 **E. 176TH ST & JEROME AVE** **Spill Number: 9507800** **Close Date: 05/12/2008**
E. 176TH ST & JEROME AVE BRONX, NY TT-Id: 520A-0010-074

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 570 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: E 176TH ST / JEROME AVE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Local Agency
Caller Name: OPER 121
DEC Investigator: JHOCONNE

Spiller:
Notifier Name: CON EDISON
Caller Agency: DEP
Contact for more spill info:

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (718) 595-1914
Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/26/1995		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
NON PCB OIL	PETROLEUM	1.00	GALLONS	1.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTS CON EDISON WAS DOING WORK ON TRANSFORMER WHEN

TRANSFORMER OIL LEAKED - SPILL IS CONTAINED WITHIN TRANSFORMER

AND REPORT NO SPILLAGE ON GROUND

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"

5/12/08: Spill submitted for closure by Con Ed with following information: "Bronx/West. Electric Operating Supervisor Tony Nardis inspected the location on Tuesday, March 18, 2008 and found no signs of any oil and no environmental tag in the structure."
Close. (JHO)

Map Identification Number 148 **MANHOLE #16889** **Spill Number: 0504804** **Close Date: 01/10/2006**
EAST 176TH/JEROME AVE BRONX, NY TT-Id: 520A-0010-075

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 570 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: E 176TH ST / JEROME AVE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	ERT DESK‘ - MANHOLE #16889	Spiller Phone:	(212) 580-8383
Notifier Type:	Responsible Party	Notifier Name:	PETE MCGURIE	Notifier Phone:	(212) 580-6763
Caller Name:	PETE MCGURIE	Caller Agency:	CONED	Caller Phone:	(212) 580-6763
DEC Investigator:	SKARAKHA	Contact for more spill info:	ERT DESK‘	Contact Person Phone:	(212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/21/2005		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

LEAKING CABLE IN MANHOLE; NO TO 5 QUESTIONS; NO CREW AVAILABLE AT THIS TIME; CONED #159919

DEC Investigator Remarks:

e2mis no 159919

Carl Clarke, 16836, found a leaking primary cable (feeder ID Pending Engineering) in Manhole 16899 at the southwest corner of East 176th Street and Jerome Avenue that spilled 1 quart of dielectric fluid to the floor of the manhole where it is contained. D-Fault tag 00217 assigned. No sewers, waterways, or private property affected. Environmental tag 46318 applied. Chain of Custody DD14143 assigned to PCB sample. Cleanup pending feeder outage. Due to extreme

heat criteria suspension of feeder scheduling, required feeder outage and cleanup date unknown at this time.

Map Identification Number 149 **1868 HARRISON AVENUE** **Spill Number: 9502766** **Close Date: 06/05/1995**
1868 HARRISON AVENUE BRONX, NY TT-Id: 520A-0008-337

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 575 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: EDDIE BARROW Spiller Phone:
Notifier Type: Responsible Party Notifier Name: Notifier Phone:
Caller Name: ROBERT CABASSA Caller Agency: MB TRUCKING Caller Phone: (718) 328-3275
DEC Investigator: KSTANG Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

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Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/05/1995	06/05/1995	EQUIPMENT FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	2.00	GALLONS	2.00	GALLONS	SOIL

Caller Remarks:

FAULTY GAUGE AT LOCATION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"

Map Identification Number 150 **APT BLDG** **Spill Number: 9812681** **Close Date: 01/14/1999**
1731 HARRISON AVE BRONX, NY TT-Id: 520A-0008-861

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 603 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	PRIVATE DWELLING	Spiller:	UNK - APT BLDG	Spiller Phone:	(718) 583-2823
Notifier Type:	Other	Notifier Name:	JIM CAREY	Notifier Phone:	(718) 579-3414
Caller Name:	JIM CAREY	Caller Agency:	CASTLE OIL CORPORATION	Caller Phone:	(718) 579-3408
DEC Investigator:	JXZHAO	Contact for more spill info:	UNK	Contact Person Phone:	(718) 583-2823

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/14/1999		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

EQUIPTMENT FAILURE CAUSED TANK OVERFILL-PRODUCT WENT ONTO PAVEMENT

SPILL CREW IS ENROUTE FOR CLEANUP.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHAO"
OCCURRED OUTSIDE OF THE BUILDING. NO SOIL CONTAMINANT. NO DRAINS AFFECTED. CLEAN UP IS ON PROGRESS.

Map Identification Number 151 **22 EAST TREMONT ST/BX** **Spill Number: 9000496** **Close Date: 04/16/1990**
22 EAST TREMONT ST NEW YORK CITY, NY TT-Id: 520A-0010-109

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (4)
Approximate distance from property: 1150 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 22 EAST TREMONT AVE
Revised zip code: 10453

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: HESS | Spiller Phone: (201) 489-5100
Notifier Type: Responsible Party | Notifier Name: | Notifier Phone:
Caller Name: BOB NIXON | Caller Agency: HESS | Caller Phone: (201) 489-5100
DEC Investigator: TOMASELLO | Contact for more spill info: | Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/16/1990	04/16/1990	HUMAN ERROR	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

ENGINEER FAILED TO SWITCH TANK OVERFILL, HESS CLEANING WITH SPEEDY DRYNYCDEP WILL WATCH CLEAN UP.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 152 **COLISEUM DEPOT** **Spill Number: 8701779** **Close Date: 06/02/1987**
110 E. 177TH STR NEW YORK, NY TT-Id: 520A-0007-867

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1407 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER | Spiller: NYC TRANSIT AUTHORITY | Spiller Phone: (212) 690-9562
Notifier Type: Affected Persons | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: MCTIBBE | Contact for more spill info: | Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/02/1987	06/02/1987	HOUSEKEEPING	UNKNOWN	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

EMPLOYEE COMPLAINING OF HAZARDOUS WORKING CONDITIONS FROM HAZARDOUS WASTE; DRUMS IN POOR SHAPE - FUMES CAUSING IRRITATION TO

EYES.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
10/10/95: This is additional information about material spilled from the translation of the old spill file: ALKALINE SOLUTION.

ASSIGNED TO TIBBE 4/18/01. UNASSIGNED PREVIOUSLY.

Map Identification Number 153 **APARTMNET BUILDING** **Spill Number: 0409906** **Close Date: 12/06/2004**
1777 GRAND CONCOURSE/175ST BRONX, NY TT-Id: 520A-0010-055

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1410 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: 1777 GRAND CONCOURSE
Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
Notifier Type: Local Agency
Caller Name: MATT LABEW
DEC Investigator: SMSANGES

Spiller: JIM CLARK - APARTMNET BUILDING
Notifier Name: MATT LABEW
Caller Agency: NYC EMERGENCY MANAGENMT
Contact for more spill info: JIM CLARK

Spiller Phone: (347) 682-0692
Notifier Phone: (718) 422-8700
Caller Phone: (718) 422-8700
Contact Person Phone: (347) 682-0692

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/06/2004		EQUIPMENT FAILURE	YES	NO

NO MATERIAL INFORMATION GIVEN FOR THIS SPILL

Caller Remarks:

CALLER SAYS THAT A SEWAGE BREAK HAPPENED IN THE BASEMENT AND THAT THE SUPER WAS GOING TO PUMP IN THE STREET: THEY WOULD LIKE YOUR HELP AT THIS SITE

DEC Investigator Remarks:

12/6/2004 Raw Sewage spill in the basement of an HPD building. Con Ed is concerned because they have an electrical equipment room in the basement which MAY be impacted SOON.

Sangesland told Emergency Mgt. that Sewage is an issue for DEP. DEP is on site with a "Sewage Team"

A copy of the spill report was forwarded to Jane O'Connell (DEC Con Ed Monitor)

Spill Closed

12/6/04 2:30 PM - spoke with Jim Clark, Con Ed Emergency Management: Initial notification came from FDNY to Con Ed, Con Ed then notified OEM. OEM and FDNY requested that Con Ed cut service to the building before sewage impacted breakers in Con Ed electrical room. Before Con Ed could assess shutting down the building's power, DEP identified a sanitary sewer manhole outside the building and the building's contractor started pumping the sewage out of the basement into the sewer. The cause of the sewer backup was a blocked house trap in the building's basement. This is a private apartment building (not City-owned). Presence of HPD staff at the building was explained by Clark - they were on site issuing summonses to building owner when incident occurred. (JHO)

Map Identification Number 154 **TRAFFIC ACCIDENT** **Spill Number: 9808123** **Close Date: 10/02/1998**
WB X BRONX XPRSWY/JEROME BRONX, NY TT-Id: 520A-0014-174

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1844 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: I 95 / JEROME AVE
Revised zip code: 10452

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	UNKNOWN - JEFCO INC	Spiller Phone:	(201) 865-2121
Notifier Type:	Fire Department	Notifier Name:	FIRE DEPT DISPATCHER	Notifier Phone:	(917) 476-6261
Caller Name:	FIREFIGHTER HACK	Caller Agency:	NYS FIRE DPEARTMENT HAZ-M	Caller Phone:	(917) 769-0483
DEC Investigator:	SACCACIO	Contact for more spill info:	FIREFIGHTER HACK	Contact Person Phone:	(917) 769-0483

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
10/01/1998		TRAFFIC ACCIDENT	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

traffic accident deposited material onto roadway - sand will be applied after tractor trailer is moved from road

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 155 **CROSS BRONX EXPRESSWAY EB** **Spill Number: 9707515** **Close Date: 01/28/1998**
AT JEROME AVE BRONX, NY TT-Id: 520A-0014-172

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1844 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: I 495 EB / JEROME AVE
Revised zip code: 10451

Source of Spill:	COMMERCIAL VEHICLE	Spiller:	HIGH BRIDGE STONE	Spiller Phone:	(201) 344-5522
Notifier Type:	Fire Department	Notifier Name:	911 OPERATOR	Notifier Phone:	
Caller Name:	JOE ROVINI	Caller Agency:	NYC HAZ MAT	Caller Phone:	(917) 769-0483
DEC Investigator:	O'DOWD	Contact for more spill info:	JOE ROVINI	Contact Person Phone:	(917) 769-0483

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
09/25/1997		TRAFFIC ACCIDENT	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	150.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

PUNCTURED DIESEL FUEL TANK ON VEHICLE FROM TRAFFIC ACCIDENT. MOST

OF THE MATERIAL HAS WENT INTO THE SEWER SYSTEM WITH THE REST ON THE PAVEMENT. NYC HAZ MAT STILL ON SCENE,

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 156 **CROSS BRONX X-PRESSWAY/JE** **Spill Number: 8703342** **Close Date: 07/25/1987**
CROSS BRONX X-WAY/JEROME NEW YORK CITY, NY TT-Id: 520A-0014-176

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1844 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: I- 95 / JEROME AVE
Revised zip code: 10452

Source of Spill: UNKNOWN | Spiller: UNKNOWN | Spiller Phone:
Notifier Type: Citizen | Notifier Name: | Notifier Phone:
Caller Name: | Caller Agency: | Caller Phone:
DEC Investigator: UNASSIGNED | Contact for more spill info: | Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
07/24/1987	07/25/1987	ABANDONED DRUM	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	385.00	GALLONS	385.00	GALLONS	SOIL

Caller Remarks:

DRUMS DROPPED FROM PICK-UP TRUCK.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was " "
10/10/95: This is additional information about material spilled from the translation of the old spill file: 7-55GAL DRUMS/LIQUID.

Map Identification Number 157 **TRAFFIC ACCIDENT** **Spill Number: 0501045** **Close Date: 04/26/2005**
CROSS BRONX EX / JEROME A BRONX, NY TT-Id: 520A-0014-169

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1844 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: I 95 / JEROME AVE
Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL VEHICLE | Spiller: | Spiller Phone:
Notifier Type: Fire Department | Notifier Name: FDNY HAZMAT | Notifier Phone: (917) 769-0483
Caller Name: RIPOLL | Caller Agency: FDNY HAZMAT | Caller Phone: (718) 769-0483
DEC Investigator: JBVOUGHT | Contact for more spill info: MICHAEL RIPOLL | Contact Person Phone: (917) 769-0483

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/25/2005		TRAFFIC ACCIDENT	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

ACCIDENT BETWEEN TWO TRACTOR TRAILERS RESULTED IN FUEL SPILL ONTO PAVEMENT AND SOME INTO A STORM DRAIN. SADDLE TANK ON BOTH TRUCKS RUPTURED. SPILL IS STOPPED AND CONTAINED.

DEC Investigator Remarks:

4/26/05-Vought-Site visit by Vought. On scene were FDNY Hazmat(Mike Ripoll), NYPD, NYCDOS and NYCFD. Two trucks involved in accident with no bodily injury. Spill on concrete and to storm drain. NYCDEP (Andrew Wood) arrived on site at 1am. As per NYCDEP no further action required on spill to storm drain. Spill cleaned using speedy dry and sand. Two (30-gallon) drums of adsorbent material generated. Tow company (Auto Rama 718-585-7100 718-585-8680) agreed to pick up drums. Vought called Autorama and drums were picked up and are at Autorama. Spill closed by Vought.

Map Identification Number 158 **WEST TREMONT** **Spill Number: 9512888** **Close Date: 02/06/1996**
228 WEST TREMONT AVE BRONX, NY TT-Id: 520A-0013-330

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1868 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	INSTITUTIONAL, EDUC, GOV, OTHER	Spiller:	FRANK OCELLO - NYC HOUSING	Spiller Phone: (212) 306-3229
Notifier Type:	Responsible Party	Notifier Name:	RENE TOSADAS	Notifier Phone: (718) 299-7500
Caller Name:	MR MANDALONE	Caller Agency:	NYC HOUSING	Caller Phone: (212) 306-3229
DEC Investigator:	HEALY	Contact for more spill info:	RENE TOSADAS	Contact Person Phone: (718) 299-7500

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/16/1996		TANK OVERFILL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	100.00	GALLONS	30.00	GALLONS	SOIL

Caller Remarks:

tank was overfilled by the driver.spill went into the soil.they

got approx 30 gallons cleaned up so far and they have winston

responding for the rest of the clean up.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 159 **SEDGEWICK AVE P.U.R.S.** **Spill Number: 0500419** **Close Date: 01/10/2008**
SEDGWICK AVE/WEST TREMONT BRONX, NY TT-Id: 520A-0014-460

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1893 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: SEDGWICK AVE / W TREMONT AVE
Revised zip code: UNKNOWN

Source of Spill:	COMMERCIAL/INDUSTRIAL	Spiller:	ERT DESK - CON EDISON	Spiller Phone:	(212) 580-8383
Notifier Type:	Responsible Party	Notifier Name:	MR. BROWNE	Notifier Phone:	(212) 580-6763
Caller Name:	CHRIS SHIKARIDES	Caller Agency:	CON ED	Caller Phone:	(212) 580-6763
DEC Investigator:	SKARAKHA	Contact for more spill info:	ERT DESK	Contact Person Phone:	(212) 580-8383

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
04/09/2005		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

100 gallons of dielectric fluid contained in concrete sump.

DEC Investigator Remarks:

01/10/08 - See eDocs for Con Ed report detailing cleanup and closure.

4/11/05: voice mail from Craig Little (347) 203-3823. Moat was powerewashed, and engineering controls (absorbents) were placed between the floor of the PURS unit and the moat. However, due to an active light & power transformer in the PURS unit, they can't complete the cleanup at this time. (JHO)

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e2mis no. 158023:

09-April-2005 12:35 hrs.
Central Sub-Station Operator S. Cosentino # 49596 reported that while working at the Sedgwick Ave. PURS Station at Sedgwick Ave & West Tremont Ave in the bronx. He discovered ~ 100 gallons of dielectric fluid had leaked from M52 South into a sump. EH&S. Sr. Specialist C. Little # 96080 was notified an in route to the location and will update this incident.

Map Identification Number 160 **Spill Number: 9812333** **Close Date: 01/08/1999**

2050 DAVIDSON AVE BRONX, NY TT-Id: 520A-0012-407

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1911 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill:	TANK TRUCK	Spiller:	CALLER - EMPIRE STATE FUEL OIL CO	Spiller Phone:	(718) 627-5100
Notifier Type:	Responsible Party	Notifier Name:	ANTHONY PUMA	Notifier Phone:	(718) 627-5100
Caller Name:	ANTHONY PUMA	Caller Agency:	EMPIRE STATE FUEL OIL CO	Caller Phone:	(718) 627-5100
DEC Investigator:	SMSANGES	Contact for more spill info:		Contact Person Phone:	

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/05/1999		TANK OVERFILL	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

property owner over ordered and driver failed to stop fill till after material had spill spill contained in a concrete courtyard area eastman tank and cleaning co. is enroute for clean up
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DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

Map Identification Number 161 **Spill Number: 9805671** **Close Date: 08/07/1998**

2043 CRESTONE AVE NEW YORK CITY, NY TT-Id: 520A-0009-701

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 2241 feet to the ENE

ADDRESS CHANGE INFORMATION
Revised street: 2043 CRESTON AVE
Revised zip code: 10453

Source of Spill:	PRIVATE DWELLING	Spiller:	UNK - BUILDING SUPE	Spiller Phone:	
Notifier Type:	Fire Department	Notifier Name:	DISPATCHER	Notifier Phone:	
Caller Name:	OCONNOLL	Caller Agency:	FDNY DISPATCH	Caller Phone:	(718) 430-0236
DEC Investigator:	MMMULQUE	Contact for more spill info:	OCONNOLL	Contact Person Phone:	(718) 430-0236

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/06/1998		HUMAN ERROR	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

fuel delivery man pumped 100 gal of fuel oil into basement at location - fire marshall believes it is going into sewer - it is going into sewer

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"
SUPER IN BUILDING LEFT TOP OF TANK OPEN, CASTLE DID NOT MAKE DELIVERY, SUPER'S ERROR. CASTLE DID CLEAN UP.

Map Identification Number 162 **CROSS BRONX EXPWY/WEEKS** **Spill Number: 9513674** **Close Date: 01/29/1996**
AT WEEKS AVE BRONX, NY TT-Id: 520A-0010-066

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 2311 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: CROSS BRONX EXWY / WEEKS AVE
Revised zip code: 10457

Source of Spill: COMMERCIAL VEHICLE Spiller: UNKNOWN Spiller Phone:
Notifier Type: Local Agency Notifier Name: NYC PD Notifier Phone: (212) 374-5580
Caller Name: HOWARD LEVY Caller Agency: NYC DEP Caller Phone: (718) 595-6700
DEC Investigator: JMKRIMGO Contact for more spill info: Contact Person Phone:

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
01/29/1996		TRAFFIC ACCIDENT	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

caller believes it was a mv accident -

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
CLEANED UP DONE BY SANITATION

Map Identification Number 163 **BRONX LEBANON HOSPITAL** **Spill Number: 9606824** **Close Date: 08/28/1996**
1650 GRAND CONCOURSE BRONX, NY TT-Id: 520A-0010-082

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 2398 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL | Spiller: GEORGE RODRIGUEZ - BRONX LEBANON HOSPITAL | Spiller Phone: (718) 518-5802
Notifier Type: Other | Notifier Name: BOB DECK | Notifier Phone: (718) 624-4842
Caller Name: BOB DECK | Caller Agency: PETROLEUM TANK CLEANERS | Caller Phone: (718) 624-4842
DEC Investigator: SIGONA | Contact for more spill info: GEORGE RODRIGUEZ | Contact Person Phone: (718) 518-5802

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Willing RP - DEC Field Response - Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/27/1996		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	100.00	GALLONS	SOIL

Caller Remarks:

plug failed on a diesel tanmk in basement - diesel went into a containemnt pit and was all recoverd

DEC Investigator Remarks: DEC INVESTIGATOR REMARKS NOT AVAILABLE FOR THIS SPILL ACCORDING TO THE LAST UPDATE.

The following DEC Investigator Remarks were available prior to 1/1/2002:

ARRIVED ON SCENE AT 1:50pm AT HOSPITAL TO MEET G. RODRIGUEZ - DEC SIGONA MET DAN JESSER - FOUND OIL SPILL AT 275 GALLON AST - NO OIL IN SUMP - SOME RESIDUAL OIL ON GROUND - 2 CONTAINER FULL OF DEBRIS AND SPEEDY DRY - TOLD TO CLEAN UP RESIDUE.

Map Identification Number 164 **WEST 179 ST/DEEGAN EXPRES** **Spill Number: 9703317** **Close Date: 06/17/1997**
WEST 179 ST/DEEGAN EXPRES BRONX, NY TT-Id: 520A-0014-382

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 2615 feet to the NNW

ADDRESS CHANGE INFORMATION
Revised street: W 179TH ST / I-87
Revised zip code: UNKNOWN

Source of Spill: TANK TRUCK | Spiller: JOHN TURNICK - STELLADORO | Spiller Phone: (718) 601-9200
Notifier Type: Fire Department | Notifier Name: | Notifier Phone:
Caller Name: CONFRESSORE | Caller Agency: NYC FIRE HAZMAT | Caller Phone: (917) 769-0485
DEC Investigator: KSTANG | Contact for more spill info: CONFESSORE | Contact Person Phone: (917) 769-0483

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.
Class: Willing RP - No DEC Field Response - Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
06/17/1997		TRAFFIC ACCIDENT	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	100.00	GALLONS	100.00	GALLONS	SOIL

Caller Remarks:

SPILL TO CONCRETE-CLEANUP IS CURRENTLY UNDERWAY-BEING SUCKED UP BY

NYC FD. ALSO BEING PACKED-ALL IS EXPECTED TO BE RECOVERED

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
SPOKE TO FIRE HAZMAT, THEY RECOVERED- 25 GALLONS INTO DRUM, SANDED DOWN THE ROADWAY BY SANITATION. THE DRUM WAS GIVEN TO STELLADORO FOR DISPOSAL.

THE FOLLOWING CLOSED SPILLS FOR THIS CATEGORY WERE REPORTED BETWEEN 1/8 MILE AND 1/2 MILE FROM THE SUBJECT ADDRESS. THESE SPILLS WERE REPORTED TO BE LESS THAN 100 UNITS IN QUANTITY AND CAUSED BY: EQUIPMENT FAILURE, HUMAN ERROR, TANK OVERFILL, DELIBERATE SPILL, TRAFFIC ACCIDENT, HOUSEKEEPING, ABANDONED DRUM, OR VANDALISM. THESE SPILLS ARE NEITHER MAPPED NOR PROFILED IN THIS REPORT.

FACILITY ID	FACILITY NAME	STREET	CITY
0100378	ACROSS FROM	16 EAST 177TH ST	BRONX
0205415		1800 UNIVERSITY AVE	BRONX
9814257	APARTMENT BUILDING	1800 UNIVERSITY AV	BRONX
9806227	E 177TH ST AND	WALTON AVE, E.177TH ST	BRONX
0500748	WALTON MANAGEMENT LLC	1920 WALTON AVE	BRONX
9909283		65 MOUNT HOPE PL	BRONX
9512767	NORWAY ASSCO	65 MT HOPE PLACE	BRONX
0412103	ON THE STREET	1920 UNIVERSITY AVE	BRONX
9400455	MCCOONS RD / W 176TH ST.	MCCOONS RD / W 176TH ST.	BRONX
0713562	GETTY#270	24 EAST TREMONT AVE	BRONX
9604908	1661 GRAND AVENUE	1661 GRAND AVENUE	BRONX
0312862	EXXON MOBIL	1764 UNIVERSITY AVE	BRONX

9006636	1764 UNIVERSITY AVE/BX	1764 UNIVERSITY AVENUE	NEW YORK CITY
8909817	110 EAST 176TH ST/BX	110 EAST 176TH STREET	NEW YORK CITY
9911624	MANHOLE #18984	1915 MORRIS AVE	BRONX
9407465	PUBLIC SCHOOL #117	1865 MORRISIA AVE	BRONX
9905185	SERVICE BOX 9696	WALTON AVE & E TREMONT AV	BRONX
9905187	SERVICE BX 9692	WALTON & E TREMONT AVE	BRONX
0110215		1820 LORING PL	BRONX
9906350	IN SEWER	MORRIS AVE & MT HOP PL	BRONX
0112091		1727 WALTON AV	BRONX
9307907	1727 WALTON AVENUE	1727 WALTON AVENUE	BRONX
0600186	APRT BUILDING	1727 WALTON AVE	BRONX
9711731	1881 ANDREWS AVE	1881 ANDREWS AVE	BRONX
9305708	1854 LORING PLACE	1854 LORING PLACE	BRONX
9806625		1730 ANDREWS AVE	BRONX
0209409	VOLT #1843	IFO 100 E.175TH ST	BRONX
0612803	APT BUILDING	54 WEST 174TH ST	BRONX
0006986		2005 DAVIDSON AVE	BRONX
0514774	APARTMENT BLDG	111 MT HOPE PL	BRONX
9106469	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	BRONX
9303638	1775 GRAND CONCOURSE	1775 GRAND CONCOURSE	BRONX
0306836	VAULT #TM877	1775 GRANDCOURSE	BRONX
9202368	1775 GRAND CONC/NY TEL	1775 GRAND CONCOURSE	BRONX
9912469	MH #8170	117 E 175TH ST	BRONX
0803726	SIDEWALK	DAVIDSON AVE / 174TH ST	BRONX
0001081	MANHOLE #23019	1874-78 LORING PLACE	BRONX
9813873	VAULT V5012	200 W. TREMONT AVE	BRONX
0613134	TWO GAL XFMR OIL IN VAULT 1286	EAST 179 STREET & JEROME AVENUE	BRONX
0408546	MANHOLE # 18895	JEROME AVE/EAST 179	BRONX
0704440	GETTY#270	82 EAST TREEMONT AVE	BRONX
0412804	DELIVERY TRUCK	1710 ANDREWS AVE.	BRONX
0012489	MT HOPE MGT HOUSING CORP	1982 WALTON AVE	BRONX
9402849	1749 GRAND CONCOURSE	LEWIS MORRIS APTS A & S	BRONX
0411986	TRANSFORMER #6	43-40 EAST 179TH STREET	BRONX
0406340	APARTMENT	1683 -85N UNIVERSITY AVE	BRONX
9609781	1881 GRAND CONCOURSE	1881 GRAND CONCOURSE	BRONX
9515586	64 CLIFFORD PL	64 CLIFFORD PL	BRONX
0011984		37 FEATHERBED LANE	BRONX
9800709	MEYERS MANG. CORP.	15 FEATHERBED LANE	NEW YORK
0310354	APARTMENT BUILDING	1985 CRESTON AVE	BRONX
0411208	APT BUILDING	1985 CRESTON AVE	BRONX
0412593	APARTMENT BUILDING	1985 CRESTON AVE	BRONX
0402095		BURNSIDE AND HARRISON	BRONX
9212544	CLOSED-LACKOF RECENT INFO	1771 POPHAM AVE	BRONX
9812421		UNIVERSITY AVE/BRANDT PL	BRONX

0203616	VAULT #3161	37 W BARNSIDE AV	BRONX
0102235	RESIDENCE	1750 GRAND CONCOURSE	BRONX
9307201	101 EAST 179TH STREET	101 EAST 179TH STREET	BROOKLYN
9512081	1944 ANDREWS AVE	1944 ANDREWS AVE	BRONX
0108410		GRAND CONCOURS/TREMONT AV	BRONX
0306074	TREMONT AVE AND	GRAND CONCORD AVE	BRONX
0404352	E/B AT JEROME AV	CROSS BRONX EXPRESSWAY	BRONX
9609474	CROSS BRONX EXPRESSWAY	NEAR JEROME AVE	BRONX
9312407	CROSS BRONX EXPRESSWAY	CROSS BRONX EXPWY.JEROME	BRONX
0313827		228 WEST TREMONT AVE	BRONX
9709773	SEDGWICK HOUSES/ANNEX -NYCHA	228 WEST TREMONT AVENUE	BRONX
9912138	W TREMONT HOUSES -NYCHA	228 WEST TREMONT AVE	BRONX
9810550	HARRISON RESIDENCE	1935 LORING PLACE SOUTH	BRONX
9812334	RESIDENCE	2050 DAVIDSON AVE	BRONX
9009279	1730 POPHAM AVE/BX	1730 POPHAM AVENUE	NEW YORK CITY
0203167		1730 POPHAM AVE	BRONX
9514431	150 W 179TH ST	150 W 179TH ST	BRONX
0100474		1955 GRAND CONCOURSE	BRONX
0704471	APARTMENT	1629-31 WALTON AVE	BRONX
0908000	PVT DWELLING	2031 MORRIS AVE	BRONX
0908215	BRONX POWER STATION	1823 SEDWICK AVE	BRONX
9112613	1963 GRAND CONCOURSE	1963 GRAND CONCOURSE	BRONX
0511056	APARTMENT BUILDING	205 EAST 176	BRONX
0803889	APT. BUILDING	2055 HARRISON AVE	BRONX
9413077	2065 DAVIDSON AVE	2065 DAVIDSON AVENUE	BRONX
9703178	2065 DAVIDSON AV	2065 DAVIDSON AV	NEW YORK CITY
9502705	2065 DAVISON AVENUE	2065 DAVISON AVENUE	BRONX
9611737	APARTMENT BUILDING	2065-67 DAVIDSON AVE	BRONX
9516200	GORDON CLARK RESIDENCE	1916 OSBORNE PLACE	BRONX
9503959	217 E. 176TH ST	217 E. 176TH ST	BRONX
9713129		1706 SELWYN AVE	BRONX
9907034	MANHOLE #9708	WALTON AVE & E. BURNSIDE AVE	BRONX
0711633	STREET	1823 SEDGWICK AVE	BRONX
0908715	PURS PLANT	1823 SEDGWICK AVE	BRONX
0706665	SEDGWICK AVENUE - PURS PLANT, 5 GAL	1823 SEDGWICK AVENUE - PURS PLANT	BRONX
0611375	PLACENSIA RESIDENCE	153 WEST 179TH ST	BRONX
0813222	APARTMENT BUILDING	215 MOUNT HOPE PLACE	BRONX
0206509	1755 WEEKS AVE	1755 WEEKS AVE	BRONX
0500692	REGULATING STATION	1823 SEDGWICK AVE	BRONX
0503972	CON ED	1823 SEDGWICK AVE	BRONX
0200210		1930 GRAND CONCOURSE	BRONX
9009277	157 WEST 179TH ST/BX	157 WEST 179TH STREET	NEW YORK CITY
0302209		1920 OSBORNE PL	BRONX
9315231	2073 DAVIDSON AVENUE	2073 DAVIDSON AVENUE	BRONX

0901070	INTERSECTION	SEDGWICK AND BURSIDE AVE	BRONX
0105468	179 TH STREET AND	GRAND CONCOURSE & 179TH	BRONX
9907062	MANHOLE #19994	BURNSIDE AVE/MORRIS AVE	BRONX
0207597	B+B MANAGMENT	235 MOUNT HOPE PLACE	BRONX
0100242	SIDEWALK	1886 CEDAR AVE	BRONX
0100280	IFO BUILDING	1886 CEDAR AV	BRONX
9304564	1701 EAST BURN AVE	1701 EAST BURN AVENUE	BRONX
0107271	1610 UNIVERSITY	1610 UNIVERSITY AV	BRONX
9909606	MANHOLE 11802	1615 UNIVERISTY AV	BRONX
0508064	MANHOLE #13920	MT EDEN / TOWNSEND AVE	BRONX
9505213	247 E. 176TH ST	247 E. 176TH ST	BRONX
0510557	SAGE HALL	BRONX COMMUNITY COLLEGE	BRONX
9612946	IFO 1810 CEDAR AV	IFO 1810 CEDAR AV	BRONX
0711056	FOUR GAL HYDRAULIC FROM BACKHOE	2069 AQUEDUCT AVENUE	BRONX
0711386	GETTY#270	240 EAST TREAMONT AVE	BRONX
9516661	1652 POPHAM AVE	1652 POPHAM AVE	BRONX
9912073	MANHOLE 23110	SS W 180TH ST & LORING PL	BRONX
9613489	1788 SEDGWICK AVE	1788 SEDGWICK AVE	BRONX
9904686	VAULT #VS1807	CROSS BRONX & WEEKS AVE	BRONX
9212850	1674 SELWYN AVE	1674 SELWYN AVE	BRONX
0312716		1776 SEDGWICK AVE.	BRONX
0007022	MH 469	BURNSIDE AVE/ CRESTON AVE	BRONX
9210939	1565 TOWNSEND AVE	1565 TOWNSEND AVE	BRONX
0103351	1566 MACOMBS RD	1566 MACOMBS RD	BRONX
9209584	273 EAST 175TH STREET	273 EAST 175TH STREET	BRONX
0409806	MANHOLE # 29222	SENDGWICK AVE/CEDAR	BRONX
0103696		1650 GRAND CONCOURSE	BRONX
0105341	BRONX LEBANON HOSPITAL	1650 GRAND CONCOURSE	BRONX
0412230	BRONX/LEBONON HOSP	1650 GRAND CONCOURSE	BRONX
9001908	1650 GRAND CONCOURSE/BX	1650 GRAND CONCOURSE	NEW YORK CITY
9008691	1650 GRAND CONCOURSE/BX	1650 GRAND CONCOURSE	NEW YORK CITY
9706835	1650 GRAND CONCOURSE	1650 GRAND CONCOURSE	BRONX
9706836	BRONX LEBANON HOSPITAL	1650 GRAND CONCORSE	BRONX
8604115	LEBANON HOSPITAL	173 ST / SELWYN	BRONX
9510405	2055 CRESTON AVE	2055 CRESTON AVE	BRONX
9712250	1563 WALTON AVENUE	1563 WALTON AVENUE	BRONX
0509958	MANHOLE 23644	CEDAR AVE AND 179 ST	BRONX
0300142	2065 CRESTON AVENUE	2065 CRESTON AVE	BRONX
9711376	APT BLDG	2065 CRESTON AV	BRONX
0008162	APARTMENT COMPLEX	1775 CLAY AV	BRONX
0409296	MANHOLE 23477	1975 SEDGWICK AV	BRONX
0308538	CROSS BRONX EXP NORTH	& SHAKESPEARE AV	BRONX
0200191		BURNSIDE AV/GRAND CONCORS	BRONX
0312985	RESIDENTIAL RENTAL HOUSE	1695 MONROE AVE.	BRONX

0203634		E TREMONT AV & ANTHONY AV	BRONX
0605791	EAST TREMONT AND ANTHONY	EAST TREMONT AND ANTHONY	BRONX
9112173	2066 CRESTON AVE	2066 CRESTON AVE	BRONX
9508754	NEW YORK CITY HOUSING	2066 CRESTON AVE	BRONX
0409850	BRONX COMMUNITY COLLEGE	BRONX COMMUNITY COLL ON CAMPUS	BRONX

NO OIL STORAGE FACILITIES LARGER THAN 400,000 GALLONS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

PETROLEUM BULK STORAGE FACILITIES LESS THAN 400,000 GALLONS IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 165 **1815 DAVIDSON AVENUE SIP HDFC** **Facility Id: 2-605491** **Source: NYS DEC**
C/O MOUNT HOPE HOUSING CO. INC. BRONX, 10453 TT-Id: 640A-0005-061

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 110 feet to the SSE*

ADDRESS CHANGE INFORMATION
Revised street: 1815 DAVIDSON AVE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/27/2011
Operator Name: MOUNT HOPE
Operator Phone #: (718) 583-7017
Owner Name: SHAUN M. BELLE - PRESIDENT
Owner Company: MOUNT HOPE HOUSING CO. INC.
Owner Type: Corporate or Commercial
Owner Address: 2003-05 WALTON AVENUE, BRONX, NY 10453

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	4000	Aboveground on crib, rack, or cradle			

TANK NUMBER: 001
TANK TYPE: Steel/Carbon Steel/Iron
TK INT. PROTECTION: None
TANK EXT. PROTECTION: Painted/Asphalt Coating
TANK LEAK DETECTN: None
TK SEC. CONTAINMNT: Vault (w/o access)
PIPING EXT. PROTECTN: None
PIPING LEAK DETECTN: Exempt Suction Piping
PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron
PIPING LOCATION: Aboveground/Underground Combination
OVERFILL PROTECTION: Product Level Gauge (A/G)
SPILL PREVENTION:
DISPENSER METHOD: Suction

Map Identification Number 166 **1821 DAVIDSON AVENUE SIP HDFC** **Facility Id: 2-605494** **Source: NYS DEC**
C/O MOUNT HOPE HOUSING CO. INC. BRONX, 10453 TT-Id: 640A-0004-988

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 117 feet to the ESE*

ADDRESS CHANGE INFORMATION
Revised street: 1821 DAVIDSON AVE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/27/2011
Operator Name: MOUNT HOPE
Operator Phone #: (718) 583-7017

Owner Name: SHAUN M. BELLE - PRESIDENT
Owner Company: MOUNT HOPE HOUSING CO. INC. Owner Type: Corporate or Commercial
Owner Address: 2003-05 WALTON AVENUE, BRONX, NY 10453

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground on crib, rack, or cradle			

TANK NUMBER: 001 TANK TYPE: Steel/Carbon Steel/Iron TK INT. PROTECTION: None
TANK EXT. PROTECTION: None TANK LEAK DETECTN: None TK SEC. CONTAINMNT: Vault (w/o access)
PIPING EXT. PROTECTN: None PIPING LEAK DETECTN: Exempt Suction Piping PIPE SEC. CONTAINMNT:
PIPING TYPE: Steel/Carbon Steel/Iron PIPING LOCATION: Aboveground/Underground Combination
OVERFILL PROTECTION: Product Level Gauge (A/G) SPILL PREVENTION: DISPENSER METHOD: Suction

Map Identification Number 167 **MOUNT HOPE HOUSING CO.** **Facility Id: NY06910** **Source: NYC FIRE DEPT**
1821 DAVIDSON AVE BRONX, NY 10453 TT-Id: 660A-0000-789

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 117 feet to the ESE*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 4000G TK #2 OIL

Map Identification Number 168 **1750 REALTY CORPORATION** **Facility Id: 2-332690** **Source: NYS DEC**
1750 GRAND AVENUE BRONX, 10453 TT-Id: 640A-0005-032

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 165 feet to the SW*

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 12/11/2008
Operator Name: 1750 REALTY CORPORATION Operator Phone #: (718) 584-2620
Owner Name: 1750 REALTY COR / M. GOLDBERG - VIP
Owner Company: 1750 REALTY CORPORATION Owner Type: Corporate or Commercial
Owner Address: 5600 A BROADWAY, BRONX, NY 10463

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Underground	12/01/1928		

TANK NUMBER: 001
TANK EXT. PROTECTION: None
PIPING EXT. PROTECTN: None
PIPING TYPE: Galvanized Steel
OVERFILL PROTECTION: Product Level Gauge (A/G)
TANK TYPE: Steel/Carbon Steel/Iron
TANK LEAK DETECTN: None
PIPING LEAK DETECTN: Exempt Suction Piping
PIPING LOCATION: No Piping
SPILL PREVENTION:
TK INT. PROTECTION: None
TK SEC. CONTAINMNT: None
PIPE SEC. CONTAINMNT:
DISPENSER METHOD: Suction

Map Identification Number 169 **WEST TREMONT AVENUE REALTY ASSOC. L.P.** **Facility Id: 2-311332** **Source: NYS DEC**
125 W TREMONT AVENUE BRONX, 10453 TT-Id: 640A-0005-026

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 260 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 11/23/2009
Operator Name: RAFAEL DONATIN
Operator Phone #: (718) 731-8505
Owner Name: SHERMAN DROPKIN - MANAGER
Owner Company: WEST TREMONT AVE. REALTY ASSOC. L.P.
Owner Type: Corporate or Commercial
Owner Address: 1313 EAST 15 STREET, BROOKLYN, NY 11230

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	4000	Aboveground - in contact with soil			

Map Identification Number 170 **1822 DAVIDSON AVENUE SIP HDFC** **Facility Id: 2-605493** **Source: NYS DEC**
C/O MOUNT HOPE HOUSING CO. INC BRONX, 10453 TT-Id: 640A-0004-987

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 269 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: 1822 DAVIDSON AVE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/27/2011
Operator Name: MOUNT HOPE
Operator Phone #: (718) 583-7017

Owner Name: SHAUN M. BELLE - PRESIDENT
Owner Company: MOUNT HOPE HOUSING CO. INC. Owner Type: Corporate or Commercial
Owner Address: 2003-05 WALTON AVENUE, BRONX, NY 10453

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	4000	Aboveground on crib, rack, or cradle			

Map Identification Number 171 **MT HOPE HOUSING CO** **Facility Id: NY06987** **Source: NYC FIRE DEPT**
1822 DAVIDSON AVE BRONX, NY 10453 TT-Id: 660A-0000-797

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 269 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 1 TK5000 GAL FO#2
CA-134/90

Map Identification Number 172 **1789 DAVIDSON AVE SIP HDFC** **Facility Id: 2-605492** **Source: NYS DEC**
C/O MOUNT HOPE HOUSING CO. INC BRONX, 10453 TT-Id: 640A-0005-062

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 284 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 1789 DAVIDSON AVE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/27/2011
Operator Name: MOUNT HOPE Operator Phone #: (718) 583-7017
Owner Name: SHAUN M. BELLE - PRESIDENT
Owner Company: MOUNT HOPE HOUSING CO. INC Owner Type: Corporate or Commercial
Owner Address: 2003-05 WALTON AVENUE, BRONX, NY 10453

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground on crib, rack, or cradle			

Map Identification Number 173 **NYC-RM 208** **Facility Id: NY07531** **Source: NYC FIRE DEPT**
1789 DAVIDSON AVE BRONX, NY 10453 TT-Id: 660A-0000-856

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 284 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 1-4000G TK#2 OIL

Map Identification Number 174 **1800 DAVIDSON AVENUE SIP HDFC** **Facility Id: 2-605495** **Source: NYS DEC**
C/O MOUNT HOPE HOUSING CO. INC. BRONX, 10453 TT-Id: 640A-0005-063

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 325 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 1800 DAVIDSON AVE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 03/27/2011
Operator Name: MOUNT HOPE Operator Phone #: (718) 583-7017
Owner Name: SHAUN M. BELLE - PRESIDENT
Owner Company: MOUNT HOPE HOUSING CO. INC. Owner Type: Corporate or Commercial
Owner Address: 2003-05 WALTON AVENUE, BRONX, NY 10453

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground on crib, rack, or cradle			

Map Identification Number 175 **SYCAMORE ROW LLC** **Facility Id: 2-602719** **Source: NYS DEC**
1740 GRAND AVENUE BRONX, 10453 TT-Id: 640A-0005-050

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 333 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 06/24/2011
Operator Name: ALTIMON DOYLEY Operator Phone #: (917) 204-3253

Owner Name: PETER BOURBEAU - MANAGING MEMBER
Owner Company: SYCAMORE ROW LLC
Owner Address: 330 EAST 204 STREET, BRONX, NY 10467
Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground on crib, rack, or cradle			

Map Identification Number 176 **1820 HARRISON REALTY L.L.C.** **Facility Id: 2-191906** **Source: NYS DEC**
1820 HARRISON AV BRONX, 10453 TT-Id: 640A-0005-007

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 347 feet to the NW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 06/05/2012
Operator Name: JOSE SEGURA
Operator Phone #: (000) 863-2300
Owner Name:
Owner Company: 1820 HARRISON REALTY L.L.C.
Owner Address: 1919 WMSBDG RD, BRONX, NY 10461
Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
014	In Service	#6 Fuel Oil	5000	Aboveground - in contact with soil	11/15/1962		

Map Identification Number 177 **DIV OF REAL PROPERTIES** **Facility Id: NY03297** **Source: NYC FIRE DEPT**
1739 GRAND AVE BRONX, NY 10453 TT-Id: 660A-0000-437

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 349 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 1 TK1080 GAL FO#4

Map Identification Number 178 **1812 HARRISON AVENUE** **Facility Id: 2-469068** **Source: NYS DEC**
1812 HARRISON AVENUE BRONX, 10453 TT-Id: 640A-0005-042

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 361 feet to the WNW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 12/10/2013
Operator Name: LEMLE & WOLFF, INC
Operator Phone #: (718) 884-7676
Owner Name:
Owner Company: LEMLE REALTY CORPORATION
Owner Type: Corporate or Commercial
Owner Address: 5925 BROADWAY, BRONX, NY 10463

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	4000	Aboveground - in contact with soil	03/16/1970		

Map Identification Number 179 **1804 HARRISON AVENUE** **Facility Id: 2-294675** **Source: NYS DEC**
1804 HARRISON AVENUE BRONX, 10453 TT-Id: 640A-0005-023

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 377 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 07/14/2012
Operator Name: FERNANDO ROSADO
Operator Phone #: (212) 731-4211
Owner Name: ADAM HUI - PRESIDENT
Owner Company: BO MAY REALTY CORP
Owner Type: Corporate or Commercial
Owner Address: 88-21A 53RD AVE., ELMHURST, NY 11373

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
1	In Service	#2 Fuel Oil	5000	Aboveground - in contact with soil	01/01/1940		
The following tank(s) were either deleted from the reported data or the number was re-assigned.							
001	IN SERVICE	#5 OR 6 FUEL OIL	5000	ABOVEGROUND			

Map Identification Number 180 **BO MAY REALTY CORP** **Facility Id: NY02072** **Source: NYC FIRE DEPT**
1804 HARRISON AVE BRONX, NY 10453 TT-Id: 660A-0000-309

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 377 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 5000GAL TK NO#4 OIL
FORM 16 REC'D IN DO 5 1/5/89

Map Identification Number 181 **A DAVIDSON** **Facility Id: 2-610068** **Source: NYS DEC**
1775 DAVIDSON AVE BRONX, 10453 TT-Id: 640A-0005-001

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 389 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 01/13/2011
Operator Name: TOMES DIAZ Operator Phone #: (646) 301-3571
Owner Name: JOE COHN - MANAGER
Owner Company: A DAVIDSON LLC Owner Type: Corporate or Commercial
Owner Address: 543 BEDFORD AVENUE, SUITE 264, BROOKLYN, NY 11211

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	4000	Aboveground on crib, rack, or cradle	01/01/1968		

Map Identification Number 182 **1730 HARRISON AVENUE** **Facility Id: 2-602479** **Source: NYS DEC**
1730 HARRISON AVENUE BRONX, 10453 TT-Id: 640A-0005-049

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 425 feet to the WSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 10/04/2010
Operator Name: FELIX CAMILO Operator Phone #: (718) 731-9778

Owner Name: MARIA MCCULLOUGH - ADMINISTRATIVE ASSISTANT
Owner Company: HARRISON AFFORDABLE UNITS, L.P. Owner Type: Corporate or Commercial
Owner Address: 1601 BRONXDALE AVE, STE 201, BRONX, NY 10462

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground - in contact with soil			

Map Identification Number 183 **62-66 WEST TREMONT AVE.** **Facility Id: 2-601394** **Source: NYS DEC**
62-66 WEST TREMONT AVE. BRONX, 10452 TT-Id: 640A-0004-963

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 439 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: 10453

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 08/22/2013
Operator Name: HERMES PEREZ Operator Phone #: (718) 295-2882
Owner Name: CONSOLATO CICCIU - RECEIVER
Owner Company: CONSOLATO CICCIU, RECEIVER Owner Type: Local Government
Owner Address: 660 E. 183RD ST., BRONX, NY 10458

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#6 Fuel Oil	5000	Aboveground on crib, rack, or cradle	07/01/1994		

The following tank 001 content has been deleted or replaced: #2 Fuel Oil

Map Identification Number 184 **62-66 W TREMONT AV.** **Facility Id: NY00901** **Source: NYC FIRE DEPT**
62 W TREMONT AVE BRONX, NY 10453 TT-Id: 660A-0000-185

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 439 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 5,000 GAL TK #4 OIL

Map Identification Number 185 **1721 GRAND AVE** **Facility Id: 2-328405** **Source: NYS DEC**
1721 GRAND AVE BRONX, 10453 TT-Id: 640A-0005-030

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 470 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 10/02/2012
Operator Name: IRVING YASGUR
Operator Phone #: (718) 664-6600
Owner Name: JOSEHP GERSHENOV - MEMBER
Owner Company: 1721 GRAND ASSOCIATES, L.LC.
Owner Type: Corporate or Commercial
Owner Address: 825 EAST 233RD STREET, BRONX, NY 10466

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#6 Fuel Oil	7500	Aboveground on crib, rack, or cradle	04/21/1949		

Map Identification Number 186 **EVA H THOMPSON** **Facility Id: NY03737** **Source: NYC FIRE DEPT**
1854 HARRISON AVE BRONX, NY 10453 TT-Id: 660A-0000-476

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 478 feet to the N

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 1-2000GAL TANK #4 OIL

Map Identification Number 187 **1765-1767 DAVIDSON AVENUE** **Facility Id: 2-204811** **Source: NYS DEC**
1765-1767 DAVIDSON AVENUE BRONX, 10451 TT-Id: 640A-0005-059

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 507 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: 1767 DAVIDSON AVE
Revised zip code: 10453

Facility Types: Apartment Building/Office Building
Apartment Building
Site Status: Active
Expiration Date of the facility's registration certificate: 05/29/2011
Operator Name: ALEX KALATIAB
Operator Phone #: (914) 937-5129

Owner Name: RICH OLSON - AGENT
Owner Company: DAVIDSON AFFORDABLE HOUSING, LLC C/O POLCO MGF. Owner Type: Corporate or Commercial
Owner Address: 225 WESTCHESTER AVENUE, PORT CHESTER, NY 10573

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground - in contact with soil	01/01/1923		

Map Identification Number 188 **1770 DAVIDSON AVENUE** **Facility Id: 2-467871** **Source: NYS DEC**
1770 DAVIDSON AVENUE BRONX, 10453 TT-Id: 640A-0005-040

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 528 feet to the S

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Unknown
Site Status: Active
Expiration Date of the facility's registration certificate: 03/06/1999
Operator Name: NYC HOUSING PRESERV & DEVEL Operator Phone #: (212) 806-8565
Owner Name:
Owner Company: NYC HOUSING PRESERV & DEVEL Owner Type:
Owner Address: 2089-2091 ARTHUR AVENUE, BRONX, NY 10457

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#6 Fuel Oil	5000	Aboveground - in contact with soil			

Map Identification Number 189 **1718 GRAND AVE** **Facility Id: 2-600839** **Source: NYS DEC**
1718 GRAND AVE. BRONX, 10453 TT-Id: 640A-0005-047

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 538 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 02/02/2010
Operator Name: FELIX MOLINA Operator Phone #: (917) 446-3314
Owner Name: VED PARKASH - PRESIDENT
Owner Company: PARKASH 1718 LLC Owner Type: Corporate or Commercial
Owner Address: 172-14 89 AVE, JAMAICA, NY 11432

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#6 Fuel Oil	4000	Aboveground - in contact with soil			
The following tank(s) were either deleted from the reported data or the number was re-assigned.							
1	IN SERVICE	#5 OR 6 FUEL OIL	4000	ABOVEGROUND			

Map Identification Number 190 **RICH REALTY CO** **Facility Id: NY08461** **Source: NYC FIRE DEPT**
1718 GRAND AVE BRONX, NY 10453 TT-Id: 660A-0000-952

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 538 feet to the SSW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 5000GAL TK NO#4 OIL

Map Identification Number 191 **UNIT AUTO REPAIR (FAUSTO FIGUEROA)** **Facility Id: 2-603853** **Source: NYS DEC**
8 EAST 177TH STREET BRONX, 10453 TT-Id: 640A-0004-975

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 585 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Unknown
Site Status: Waste Oil Storer
Expiration Date of the facility's registration certificate: 12/22/2003
Operator Name: FAUTO SEGURA Operator Phone #: (718) 716-6727
Owner Name:
Owner Company: FAUTO SEGURA Owner Type: Corporate or Commercial
Owner Address: 567 WEST 184TH STREET APT. 4, BRONX, NY 10033

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	Waste Oil/Used Oil	275	Aboveground - in contact with soil	03/01/1997		

Map Identification Number 192 **1700 HARRISON AVENUE** **Facility Id: 2-602477** **Source: NYS DEC**
1700 HARRISON AVENUE BRONX, 10453 TT-Id: 640A-0005-892

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 625 feet to the SW

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 10/04/2010
Operator Name: FELIX CAMILO
Operator Phone #: (718) 731-9778
Owner Name: MARIA MCCULLOUGH - ADMINISTRATIVE ASSISTANT
Owner Company: HARRISON AFFORDABLE UNITS, L.P.
Owner Type: Corporate or Commercial
Owner Address: 1601 BRONXDALE AVE, STE 201, BRONX, NY 10462

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	5000	Aboveground on crib, rack, or cradle			

Map Identification Number 193 **INTERMEDIATE SCHOOL 306 - BRONX** **Facility Id: 2-601838** **Source: NYS DEC**
40 WEST TREMONT AVENUE BRONX, 10453 TT-Id: 640A-0004-973

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 628 feet to the NE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: School
Site Status: Active
Expiration Date of the facility's registration certificate: 05/06/2009
Operator Name: PLANT OPERATIONS
Operator Phone #: (718) 349-5400
Owner Name: JAMES A. MERLO - MANAGER, FUEL DIVISION
Owner Company: NYC DEPARTMENT OF EDUCATION
Owner Type: Local Government
Owner Address: 44-36 VERNON BOULEVARD, LONG ISLAND CITY, NY 11101

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001N	In Service	#2 Fuel Oil	10000	Aboveground on crib, rack, or cradle	11/01/1993		
02S	In Service	#2 Fuel Oil	10000	Aboveground on crib, rack, or cradle	11/01/1993		
003G	In Service	#2 Fuel Oil	275	Aboveground on crib, rack, or cradle	11/01/1993		

Map Identification Number 194 **MOUNT HOPE RESIDENCE LLC** **Facility Id: 2-605646** **Source: NYS DEC**
14-16 MOUNT HOPE PLACE BRONX, 10453 TT-Id: 640A-0004-978

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 651 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: 14 MOUNT HOPE PLACE
Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
Site Status: Active
Expiration Date of the facility's registration certificate: 04/13/2011
Operator Name: NOEL CINTRON
Operator Phone #: (718) 466-2200
Owner Name: MOSHE ABRAMSON - MANAGER
Owner Company: MOUNT HOPE RESIDENCE LLC
Owner Type: Corporate or Commercial
Owner Address: 1009 EAST 14TH STREET, BROOKLYN, NY 11230

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
01	In Service	#2 Fuel Oil	2000	Aboveground - in contact with soil			

Map Identification Number 195 **A TURCO & V MILANO** **Facility Id: NY01152** **Source: NYC FIRE DEPT**
14 MOUNT HOPE PL BRONX, NY 10453 TT-Id: 660A-0000-211

MAP LOCATION INFORMATION
Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 651 feet to the SE

ADDRESS CHANGE INFORMATION
Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: 2500GAL TK NO#4 OIL

HAZARDOUS WASTE GENERATORS/TRANSPORTERS IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

PLEASE NOTE: * Compass directions can vary substantially for sites located very close to the subject property address.

Map Identification Number 196 **NYSDEC Name:** **BELL ATLANTIC-NY** **Facility Id: NYP000934590**

NYSDEC Address:	MT HOPE/JEROME AVE	BRONX, NY	TT-Id: 740A-0002-127
EPA (RCRA) Name:	BELL ATLANTIC-NY		
EPA (RCRA) Address:	MT HOPE/JEROME AVE	BRONX, NY 000000000	

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 447 feet to the ESE

ADDRESS CHANGE INFORMATION
Revised street: MOUNT HOPE PL / JEROME AV
Revised zip code: 10453

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: None Given
Incinerator:
Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	No hazardous waste activity reported by NYS up to 12/2/2009.				

Map Identification Number 197 **NYSDEC Name:** **NYCDEP - SHAFT 6B** **Facility Id: NYR000092353**

NYSDEC Address:	TREMONT & HARRISON AVES	BRONX, NY 10457	TT-Id: 740A-0002-589
EPA (RCRA) Name:	NYCDEP - SHAFT 6B		
EPA (RCRA) Address:	TREMONT & HARRISON AVES	BRONX, NY 10457	

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 464 feet to the W

ADDRESS CHANGE INFORMATION
Revised street: W TREMONT AVE / HARRISON AVE
Revised zip code: 10453

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: 11/02/2000
Incinerator:
Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:
CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	Site reported by US EPA. No hazardous waste activity reported by NYS.				

Map Identification Number 198 **NYSDEC Name:** **BELL ATLANTIC-NY** **Facility Id: NYP000942391**
NYSDEC Address: SW 177TH & JEROME AVE MANHOLE BRONX, NY TT-Id: 740A-0063-274

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 495 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 177TH ST / JEROME AVE
Revised zip code: 10453

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	No hazardous waste activity reported by NYS up to 12/2/2009.				

Map Identification Number 199 **NYSDEC Name:** **BELL ATLANTIC-NY** **Facility Id: NYP000942409**
NYSDEC Address: SE 177TH & JEROME MANHOLE BRONX, NY TT-Id: 740A-0063-273

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 527 feet to the E

ADDRESS CHANGE INFORMATION
Revised street: 177TH ST / JEROME AVE
Revised zip code: 10453

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
NONE	No hazardous waste activity reported by NYS up to 12/2/2009.				

Map Identification Number 200 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004145322**
NYSDEC Address: WEST TREMONT AVE & KINGSLAND PL BRONX, NY TT-Id: 740A-0063-214
EPA (RCRA) Name: CON EDISON
EPA (RCRA) Address: W TREMONT & KINGSLAND PL BRONX, NY 10452

MAP LOCATION INFORMATION
Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 529 feet to the NNE

ADDRESS CHANGE INFORMATION
Revised street: WEST TREMONT AVE / KINGSLAND PL
Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: None Given
Incinerator:
Transporter:

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	800	POUNDS	GENERATED	2006

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 201 **NYSDEC Name:** **NYCDEP** **Facility Id: NYP010000016**
NYSDEC Address: PROTECTION JEROME AVE & 176TH BRONX, NY 10453 TT-Id: 740A-0003-467

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 570 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 176TH ST / JEROME AVE
Revised zip code: NO CHANGE

US EPA RCRA (Resource Conservation and Recovery Act) information not reported; Site information reported by NYS DEC.

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	55	GALLONS	GENERATED	1990

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 202 **NYSDEC Name:** **CONSOLIDATED EDISON** **Facility Id: NYP004076436**
NYSDEC Address: MH16899 176 ST & JEROME AVE BRONX, NY TT-Id: 740A-0003-468
EPA (RCRA) Name: CON EDISION - MH16899
EPA (RCRA) Address: 176TH ST & JEROME AVE 176TH ST NEW YORK, NY 10003

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 570 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: JEROME AV / E/W 176TH ST
Revised zip code: 10453

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: None Given
Incinerator:
Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:
LARGE QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	2400	POUNDS	GENERATED	2001

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

Map Identification Number 203 **NYSDEC Name:** **NYCTA** **Facility Id: NYR000000679**

NYSDEC Address: JEROME AVE LINE 176TH ST STA BROOKLYN, NY TT-Id: 740A-0003-469
EPA (RCRA) Name: NYCTA - 176TH STREET STATION
EPA (RCRA) Address: 176TH ST & JEROME AVE BRONX, NY 10452

MAP LOCATION INFORMATION
Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 570 feet to the SSE

ADDRESS CHANGE INFORMATION
Revised street: 176TH ST / JEROME AVE
Revised zip code: 10453

US EPA RCRA Type: SMALL QUANTITY GENERATOR
Land Disposal: Receives offsite waste:
Storer: Treatment facility:

Notification date: 02/24/1995
Incinerator:
Transporter:

Historically listed as the following USEPA RCRA Generator Size(s) as well:
CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

NYS DEC Manifested Waste Summary:
Waste Codes, Waste Units, and Transaction Types are only shown for the most recently reported year.

WASTE CODE	WASTE DESCRIPTION	WASTE AMOUNT	WASTE UNITS	TRANSACTION TYPE	YEAR
D008	Lead	2900	POUNDS	GENERATED	2006
D001	Solid waste that exhibits the characteristic of ignitability	358	POUNDS	GENERATED	2005

Toxicity Information Summary

CHEMICAL NAME	CAS-NO	ACUTE TOX	TUMOR TOX	MUTAG TOX	REPRO TOX	IRRIT TOX	MCL
Lead	7439921	X	X	X	X		0.05mg/L*

NO CHEMICAL STORAGE FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO HISTORIC UTILITY SITES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS

NO TOXIC AIR, LAND AND WATER RELEASES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO WASTEWATER DISCHARGES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO AIR DISCHARGE FACILITIES IDENTIFIED WITHIN 1/8 MILE SEARCH RADIUS

NO CIVIL & ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES IDENTIFIED WITHIN THE 1/8 MILE SEARCH RADIUS

NO NYC ENVIRONMENTAL QUALITY REVIEW REQUIREMENTS - "E" DESIGNATION SITES IDENTIFIED WITHIN 250 FT SEARCH RADIUS

U.S. EPA EMERGENCY RESPONSE NOTIFICATION SYSTEM (ERNS) SPILLS
AT THE LOCATION OR POTENTIALLY AT THE LOCATION OF
60 W 177th Street & 92 West Tremont Ave
Bronx, NY 10453

* Any ERNS Spills listed below are NOT mapped in this report *

ONSITE ERNS (A count of these spills can be found in the distance interval table):
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

POTENTIALLY ONSITE ERNS:
THIS SITE IS NOT FOUND IN THE ERNS DATABASE

NEW YORK STATE DEPARTMENT OF HEALTH RADON DATA
FOR THE ZIPCODE OF:
10453

NUMBER OF HOMES TESTED	AVERAGE FOR THE ZIP	STANDARD DEVIATION	MAXIMUM READING FOR THE ZIP

No Radon Data for Zip Code 10453

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Unmappable facilities for 'Bronx' County

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
03C01	BRONX FRONTIER COMPOSTING			UNKNOWN
03D05	SOUTH BRONX MARINE DEMO			UNKNOWN
03T03				UNKNOWN
03T04	REALTY TRS. STA.			UNKNOWN
03T06	LEE-BIN T.S.			UNKNOWN
03T10	A.L.A LAND DEVELOP TRS.ST			UNKNOWN
03T11	BEM CONTRACTING TRANS STA			UNKNOWN
03T35	UNIVERSAL DEMO RECYCLING			UNKNOWN
03V40	ECCO-SUBURBAN CARTING			UNKNOWN
03W78	FELIX RECYCLING FILL MATE			UNKNOWN
03W86	VINCENT RUSCIANO CONTRUCT			UNKNOWN
		BOTTNER AVE.	BRONX	UNKNOWN
		21B GARAGE	BRONX	UNKNOWN
		168TH & RANDALLS AVE.	BRONX	UNKNOWN
		164TH ST	BRONX	UNKNOWN

Hazardous Spills - TANK FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9315220	900 SETELEY	900 SETELEY	BRONX	UNKNOWN
0705989	BRONX TERMINAL MARKET	UNDER DEEGAN EXP	BRONX	UNKNOWN
0610526	BASEMENT TANK ROOM	EASTERN BLVD DRAW BRIDGE	BRONX	UNKNOWN
0003047	PARKING LOT	AUSTIN RD/DYER AVE	BRONX	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9500889	1419 MORNS AVENUE	1419 MORNS AVENUE	BRONX	UNKNOWN
8809318	CLOSED-LACKOF RECENT INFO	(NO STREET INFO)	BRONX	UNKNOWN
0804720	CHEN HOME	29 MCGEORY AVE	BRONXVILLE	UNKNOWN
9006707	EAST TREMONT AVE/EXXON	EAST TREMONT AVENUE	NEW YORK CITY	UNKNOWN
8906869	CLOSED-LACKOF RECENT INFO	EAST TREMONT STREET	NEW YORK CITY	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8606271	RAW SEWAGE ITEM #932			UNKNOWN
9913978	BRONX EXPRESSWAY	SERVICE RD	BRONX	UNKNOWN
9906166	HARLEM RIVER	YONKERS BORDER	BRONX	UNKNOWN
9905027	MANHOLE 138 ON BAINBRIDGE	AVE 510 FT OF N CORNER	BRONX	UNKNOWN
9814033	WEST 178ST	ROBERTO CLEMENTE PARK	BRONX	10453
9812980	MANHOLE 32228	PENN STA RR	BRONX	10453
9812979	MANHOLE 29004	ROBERTO CLEMENTE ST PARK	BRONX	10453
9812978	PENN STATION RR YARD	W TREMONT AVE	BRONX	10453
9812912	SERVICE BOX 5550	ELMONT	BRONX	UNKNOWN
9808302	VAULT 3044	EAST 179 STREET	BRONX	UNKNOWN
9802285	MANHOLE #26954	SERVICE RD/TREEMONT AVE	BRONX	UNKNOWN
9713244	DEPT SANITAION	NEAR PLAZA MATERIALS	BRONX	UNKNOWN
9712848	NEAR CITY BUS PARKING	I95 RAMP TO TRIBORO BRDG	BRONX	UNKNOWN
9702125	AUTO GARAGE	218 UNIVERSITY AVE	BRONX	UNKNOWN
9611109	CROTON AQUADUCT	CROTON AQUADUCT	BRONX	UNKNOWN
9515857	1227 PINTON AVE	1227 PINTON AVE	BRONX	UNKNOWN
9504477	ROBERTO CLEMENTE STATE PK	ROBERTO CLEMENTE STATE PK	BRONX	10453
9502018	CROSS BX EPWY & ROSA AVE	CROSS BX EPWY / ROAS AVE	BRONX	UNKNOWN
9416011	APARTMENT BLDG.	USS MORRISON AVE. B4	BRONX	UNKNOWN
9415281	UNK	UNKNOWN	BRONX	UNKNOWN

8504703	NEW WINDSOR BRONX	NEW WINDSOR BRONX	BRONX	UNKNOWN
8503365	BRONX	BRONX	BRONX	UNKNOWN
8503141	BRONX	BRONX	BRONX	UNKNOWN
8200095	E. TREMONT ST.,BX	E. TREMONT ST.	BRONX	UNKNOWN
8100079			BRONX	UNKNOWN
0908499	SUNSET COVE SHEEN FROM BOAT	1490 OUTLOOK AVE	BRONX	UNKNOWN
0908432	MANHOLE 156	SOUTHBOUND MAJOR DEEGAN RDMANHOLE	BRONX	UNKNOWN
0907338	CROSS BRONX EXPRESSWAY	WESTSBOUND	BRONX	UNKNOWN
0904352	ENTRANCE TO THE LAGOON OF BRONX MARINA	ENTRANCE TO THE LAGOON OF BRONX MARINA	BRONX	UNKNOWN
0813918	DREW GARDENS	EAST TREMONT AVE	BRONX	UNKNOWN
0805371	LONG ISLAND SOUND	29 LONG STREET	BRONX	UNKNOWN
0805189	TRANSMISSION FEEDER 15053	HELLGATE SUB/179TH SUB	BRONX	UNKNOWN
0713626	TWO OZ HYDRAULIC IN HELLGATE YARD	ASTORIA TUNNEL, BRONX SIDE	BRONX	UNKNOWN
0709988	ANTIFREEZE IN VAULT − VS 23049	IN FRONT OF 304 WEST WEBSTER AVE	BRONX	UNKNOWN
0708015	ON ROADWAY	NORTH ON 95	BRONX	UNKNOWN
0707726	ON HIGHWAY	MAJOR DEEGAN	BRONX	UNKNOWN
0700460	IN FRONT OF BJ‘S IN ROADW	339 GATEWAY STREET	BRONX	UNKNOWN
0613327	APARTMENT	120 ALCOTT PLACE	BRONX	UNKNOWN
0600554	HUNTS UNTS POINT MARKETS	2A NYC TERMINAL MARKET	BRONX	UNKNOWN
0511299	ATAR PLACE	STADIUM AVE	BRONX	UNKNOWN
0510600	HUNTS POINT STATION	TRACK	BRONX	UNKNOWN
0509587	CROSS BRONX EXP	BETWEEN ROSEDALE /WEST	BRONX	UNKNOWN
0508362	BUILDING	1253 STELEY AVE	BRONX	UNKNOWN
0411091	EAST BOUND BRONX EXPRESSW	MAJOR DEGAN	BRONX	UNKNOWN
0410879	METRO NORTH HUDSON LINE	MORRIS HGTS	BRONX	UNKNOWN
0408667	MANHOLE 4942	SOUTHEAST GRAND COURSE AN	BRONX	UNKNOWN
0407227	EAST RIVER (ROCKS/WATER)	SUNSET TRAIL/EXPWY	BRONX	UNKNOWN
0303403	MANHOLE NUMBER 29004	ROBERTO CLEMENTE STATE PK	BRONX	10453
0210006	CROSS BRONX EXPRESSWAY	NB DEEGAN EXPRESSWAY	BRONX	UNKNOWN
0207168	VAULT #0495	55 N CRESTON AVE	BRONX	UNKNOWN
0203578	MANHOLE 18910	JEROME AVENUE	BRONX	UNKNOWN
0200576	EAST TREMONT AVE & 40TH	EAST TREMONT AVE & 40TH	BRONX	UNKNOWN
0103829	MANHOLE 12	BROOKLYN BLVD/WALNUT ST	BRONX	UNKNOWN
0101498	MAN HOLE # 558	MCCLELLAN ST	BRONX	UNKNOWN
0100318	HARLEM RIVER	NEAR HAMILTON AVE BRIDGE	BRONX	UNKNOWN
0009889	I295 BETWEEN I95 TO TOLL	BOOTH	BRONX	UNKNOWN
0009192	MANHOLE #20755	OPP 371 PARK AVE	BRONX	UNKNOWN
0007560	SB BROOKLYN EXPRESSWAY	AT EAST TREMONT AVE	BRONX	UNKNOWN
0007339	GRAND CONCOURSE	GRAND CONCOURSE	BRONX	UNKNOWN
0004934	VAULT 2052	THERIOT AVE/ASTORIA AVE	BRONX	UNKNOWN
0000389	MH 23981	1982 W BURNSIDE AV	BRONX	10453
9416342	MACOMBS BRIDGE−176TH ST	MACOMBS BRIDGE & 176TH ST	MANHATTAN	UNKNOWN
9304812	176ST & HRD−REGULATOR #52	176TH ST & HRD−REG #52	MANHATTAN	UNKNOWN
0001828		73 W 174TH ST	MANHATTAN	UNKNOWN
9209502	UNK	UNK	NEW YORK	UNKNOWN
0805085	CON ED MANHOLE	E 174TH ST	NEW YORK	UNKNOWN
0605752	RESIDENTIAL PROPERTY	RIVER ROAD	NEW YORK	UNKNOWN
9008201	RR YD//OLD HIGH BRIDGE/BX	RR YD/OLD HIGH BRIDGE	NEW YORK CITY	10452
8905093	CROSS BRONX EXPWY/BX	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8607915	NEW YORK CITYF		NEW YORK CITY	UNKNOWN
8603024	BRONX	BRONX	NEW YORK CITY	UNKNOWN
9304810	167ST & HRD−REGULATOR #51	167ST & HRD−REGULATOR #51	NYC	UNKNOWN

Hazardous Spills − MISC. SPILL CAUSES − Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0550313	BOULDERBROOK RD & SPRAIN RD	BOULDERBROOK RD & SPRAIN RD		UNKNOWN
9913976	CROSS−BRONX EXPRESSWAY	SERVICE ROAD	BRONX	UNKNOWN
9912664	WEST CAMBRIDGE &	BAILEYS AV	BRONX	UNKNOWN
9911775	ON 181ST ST	IFO WEST GATE HOUSE	BRONX	UNKNOWN
9908545	MANHOLE 8888	JEROME AVE	BRONX	UNKNOWN

9901805		BILLINGSLY TERR/SALEM PLA	BRONX	10453
9900490		4375 BRONX AVE	BRONX	UNKNOWN
9811600		3243 CHALL AVE	BRONX	UNKNOWN
9804474	EAST BOUND LN	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
9711348	BAYSIDE FUEL	1975 FREDERICK AVE	BRONX	UNKNOWN
9709352	METRO-NORTH RAILROAD	HUDSON LINE TR#4 MIL 7.5	BRONX	UNKNOWN
9601288	187 NB & GEORGE WASH BRID	I87 NB & GEORGE WASH BRID	BRONX	UNKNOWN
9516267	HIGHWAY 87N/MAJOR DEACON	OFF GEORGE WASHINGTON BRI	BRONX	UNKNOWN
9512039	2934 VENTON AVE	2934 VENTON AVE	BRONX	UNKNOWN
9502949	2417 BALTIC AVENUE	2417 BALTIC AVENUE	BRONX	UNKNOWN
9501561	CROSS BRONX EXPWY	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
9500150	1112 GRAND AVE	1112 GRAND AVENUE	BRONX	10453
9416098	I-87 MAJOR DEEGAN EXPWY	1-87 MAJOR DEEGAN-BROADWA	BRONX	UNKNOWN
9414961	448 CUSLOGA AVENUE	448 CUSLOGA AVE	BRONX	UNKNOWN
9412838	34 MT MORRIS PARKWAY	34 MT MORRIS PARKWAY	BRONX	UNKNOWN
9411935	1821 FAIRVIEW AVENUE	1821 FAIRVIEW AVENUE	BRONX	UNKNOWN
9409277	233 MAJOR DEGAN EXPWY	233 MAJOR DEEGAN EXPWY	BRONX	UNKNOWN
9404921	41 BENNET AVENUE	41 BENNETT AVENUE	BRONX	UNKNOWN
9400698	1667 EAST 731 STREET	667 EAST 731 STREET	BRONX	UNKNOWN
9314217	3100 HEATHER AVE	3100 HEATHER AVE	BRONX	UNKNOWN
9311525	I-90 S.B.	I-90 S.B.	BRONX	UNKNOWN
9308041	GEO.WASH BR.- 87 N.BOUND	GEO.WASH BR.- 87 N. BOUND	BRONX	UNKNOWN
9212402	I-95/M.P. 0.5ML NR RR TRK	I-95/M.P. 0.5ML NR RR TRK	BRONX	UNKNOWN
9211051	SO. BRONX EXPSWY	SO. BRONX EXPSWY	BRONX	UNKNOWN
9210469	180TH STREET	180TH STREET	BRONX	UNKNOWN
9209574	CROSS BRONX EXPRESSWAY	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
9208034	NO.ROBERTO CLEMENTE ST PA	NO. ROBERTO CLEMENTE STPA	BRONX	10453
9207432	1021 ATH STREET JOHN'S AV	1021 ATH STREET JOHN'S AV	BRONX	UNKNOWN
9106110	CROSS BX EPWY	CROSS BX EPWY	BRONX	UNKNOWN
8801616	CROSS BRONX EXPWY	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
8604842	WOODHAVEN NEAR 233RD ST	WOODHAVEN NEAR 233RD ST	BRONX	UNKNOWN
8100533	NONE RESPONSIBLE	PARKDALE HOSPITAL	BRONX	UNKNOWN
0909577	BASEMENT	1340 CROSE AVE	BRONX	UNKNOWN
0907097	CONNER ST PUMPING STATION	CONNER ST PUMPING STATION	BRONX	UNKNOWN
0906616	ASTORIA AVE AND TAYLOR AVE	ASTORIA AVE AND TAYLOR AVE	BRONX	UNKNOWN
0904503	ROADWAY	1638 BRONXVILLE AVE	BRONX	UNKNOWN
0813940	ROADWAY	MAJOR DEEGAN S/B @ FORDHAM RD	BRONX	UNKNOWN
0812952	BETWEEN THE NYC LINE	NEW ENGLAND THRU WAY	BRONX	UNKNOWN
0811647	OFFICE BUILDING	1060 CRESTON AVE	BRONX	UNKNOWN
0811234	MILE MARKER IS POSSIBLY 2.6 THE CALLER WAS NOT SUR	87N OFF ROUTE 100 NORTH EXIT.	BRONX	UNKNOWN
0809698	POSTAL FACILITY	BRUSH AVE	BRONX	UNKNOWN
0808012	VEHICLE 50756	' SEDGEWICK AVE & UNDERCLIFF AVE'	BRONX	UNKNOWN
0801780	MH # 8312 HAS 12 OZ CABLE OIL	CEDAR STREET AT HARLEM RIVER	BRONX	UNKNOWN
0801779	MH # 8313 HAS EIGHT OZ OF CABLE OIL	CEDAR STREET AT HARLEM RIVER	BRONX	UNKNOWN
0800968	IN ROADWAY	NEW ENGLAND THRUWAY	BRONX	UNKNOWN
0710690	STREET	NORTH ON ROSNECK BRIDGE	BRONX	UNKNOWN
0707044	MAJOR DEACON NB	CROSS BRONX PARKWAY	BRONX	UNKNOWN
0705868	DRUM RUN	E CROSS BRONX EXWY	BRONX	UNKNOWN
0705726	DRUM RUN	RTE 95 RAMP TO 87	BRONX	UNKNOWN
0702889	ROBERTO CLEMENTE ST PARK	WEST TREMONT AVE/MATHEWSO	BRONX	10453
0610891	CROSS BRONX EXP	1/2 MI W OF JEROME AV	BRONX	UNKNOWN
0605553	IN ROADWAY	CROSSBRONX EXPRESSWAY	BRONX	UNKNOWN
0602583	APARTMENT BUILDING	5775 MARSHALL LEW AVE	BRONX	UNKNOWN
0600742	CROSS BRONX EXPRESSWAY	WEBSTER AVE	BRONX	10457
0600572	CONSTRUCITON SITE	GRAND CONCOURSE/155TH STR	BRONX	UNKNOWN
0510030	IFO TASK FORCE	STATE 87 EXIT - I 95 HWY	BRONX	UNKNOWN
0504500	100 YARDS BEFORE EXIT9	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
0503106	I 87 SERVICE ROAD	SEDGWICK AVE	BRONX	10452
0408155	HARLEM RIVER	BRONX REST PIER, PIER 8	BRONX	UNKNOWN
0406777	CON ED VAULT# 4047	LORING AVE	BRONX	UNKNOWN

0404351		MORRIS AV & SOUNDVIEW	BRONX	UNKNOWN
0310642	HELLGATE SUBSTATION NORTH	EAST 179 ST.	BRONX	UNKNOWN
0302981	NYS THRUWAY	N/B - MILE MARKER 2.0	BRONX	UNKNOWN
0301493	TREMOUNT AVE AND	LITTLE LEAGUE AVE	BRONX	UNKNOWN
0211873		2916 PENBROECK AV	BRONX	UNKNOWN
0210709	SOUTHBOUND	MAJOR DEEGAN EXPRESSWAY	BRONX	UNKNOWN
0205154	179TH ST SUB-STATION	179TH ST	BRONX	UNKNOWN
0111297	CROSS BRONX	CROSS BRONX/MAJOR DEEGAN	BRONX	UNKNOWN
0109044	NEW ENGLAND THRUWAY	I-95 EXPRESSWAY	BRONX	UNKNOWN
0108784	ROADWAY	MAJOR DEEGAN EXPRESSWAY	BRONX	UNKNOWN
0105418		MAJOR DEGAN/CROSS BRONX	BRONX	UNKNOWN
0104100	BUS # 5364	FORDHAM RD & VANBETIEL	BRONX	UNKNOWN
0104091		MAJOR DEEGAN & CROSS BRON	BRONX	UNKNOWN
0012941		GRAND CONCOURSE & 92ND S	BRONX	UNKNOWN
0012756	INTO A SEWER	CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
0008417	EXTERIOR ST &	MAJOR DEEGAN EXPRESSWAY	BRONX	UNKNOWN
0004792		CROSS BRONX EXPRESSWAY	BRONX	UNKNOWN
0003868	IN ROAD	DAWSON ST & W TREMONT	BRONX	UNKNOWN
0003714	PHELAM YARD MAIN TRACK	MILE POST E-15	BRONX	UNKNOWN
9606764	FEEDER #71	DUNWOODIE TO RAINEY	NEW YORK CITY	UNKNOWN
9004330	3915 OILOTT AVE/BX	3915 OILOTT AVENUE	NEW YORK CITY	UNKNOWN
9004299	137 ZEIZER PLACE/BX	137 ZEIZER PLACE	NEW YORK CITY	UNKNOWN
9002010	CROSS BRONX EXPRESSWAY	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8906725	114TH ST &VALENTINE ST/BX	114TH ST & VALENTINE ST	NEW YORK CITY	UNKNOWN
8904199	MAJOR DEEGAN/NORTHBOUND	MAJOR DEEGAN/NORTHBOUND	NEW YORK CITY	UNKNOWN
8807409	CROSS BRONX EXPWY/BX	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8801952	GEORGE WASHINGTON BRIDGE	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8700910	UNIVERSITY AVENUE/BRONX C	UNIVERSITY AVENUE	NEW YORK CITY	10453
8700070	CROSS BRONX EXPRESSWAY/W	CROSS BRONX EXPRESSWAY	NEW YORK CITY	UNKNOWN
8802530	CNTRL TRNSPRTN TANKER	CROSS BX EXPSWY	NYC	UNKNOWN

Petroleum Bulk Storage Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
2-156418	MOBIL S/S 1JARDH AAMCO TRANAS	MOBIL S/S 1JARDH AAMCO TRANAS	BRONX	10400
2-325929	C O REALTY INC	2136 CHURCH AVE	BRONX	UNKNOWN

Hazardous Waste Generation or Transport Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYP004003703	CONSOLIDATED EDISON CO	LAFAYETTE AVENUE MH22219		UNKNOWN
NYP004022687	CONSOLIDATED EDISON CO	#3442 1600 HARRISON AVE		10453
NYP004026936	CONSOLIDATED EDISON CO	V4798 GRAND & CLINTON		UNKNOWN
NYD981490766	JOES CLEANERS	243 A JEROME AVENUE	BRONX	UNKNOWN
NYP000914721	NYNEX	E 108TH ST & DALY ST	BRONX	UNKNOWN
NYP001132338	CONSOLIDATED EDISON	MH11582-AVE C	BRONX	UNKNOWN
NYP003662954	NYCDEP	BRONX AVE	BRONX	UNKNOWN
NYP003663960	NYCDEP	BRONXVILLE AVE	BRONX	UNKNOWN
NYP004007787	CONSOLIDATED EDISON	184 WEBSTER AVE	BRONX	UNKNOWN
NYP004027413	CONSOLIDATED EDISON	BRONX ST	BRONX	UNKNOWN
NYP004057592	CONSOLIDATED EDISON	MH26587	BRONX	UNKNOWN
NYP004076485	CONSOLIDATED EDISON	DAVIDSON ST	BRONX	UNKNOWN
NYP004087912	CONSOLIDATED EDISON	2 EIGHT AVE-WHITESTONE CINEMAS	BRONX	UNKNOWN
NYP004095949	CONSOLIDATED EDISON	185 W321 ST MH8989	BRONX	UNKNOWN
NYP004106179	CONSOLIDATED EDISON	MH220-S FULTON & ITHICA	BRONX	UNKNOWN
NYP004111357	CONSOLIDATED EDISON	COURTLAND AVE & 133 ST	BRONX	UNKNOWN
NYP004122164	CONSOLIDATED EDISON	MH28487-LAFAYETTE AVE	BRONX	UNKNOWN
NYP004128936	CONSOLIDATED EDISON	GATEHOUSE EDGEWATER PK	BRONX	UNKNOWN
NYP004129938	CONSOLIDATED EDISON	GATEHOUSE EDGEWATER PK MEAGER	BRONX	UNKNOWN
NYP004131199	CONSOLIDATED EDISON	655 ARROW AVE	BRONX	UNKNOWN
NYP004136115	CONSOLIDATED EDISON	?	BRONX	UNKNOWN
NYP004143889	CON EDISON	LOCUST AVE	BRONX	10453

NYP004144681	CONSOLIDATED EDISON		MH11838	BRONX	UNKNOWN
NYP004146064	CONSOLIDATED EDISON		432ND & LINCOLN AVE	BRONX	UNKNO
NYP004146205	CONSOLIDATED EDISON		263 TREMONT AVENUE MH23834	BRONX	UNKNOWN
NYP004149837	CONSOLIDATED EDISON		CHORDCEE ROAD	BRONX	UNKNOWN
NYP004159646	CONSOLIDATED EDISON		OPPOSITE N/E/C PHELAN TERRACE	BRONX	UNKNOWN
NYP004163531	CON EDISON		1900 SCHIEFFELIN AVE	BRONX	UNKNOWN
NYP004197968	CONSOLIDATED EDISON		JEROME AVE	BRONX	UNKNOWN
NYP004197976	CONSOLIDATED EDISON		JEROME AVE	BRONX	UNKNOWN
NYP004197984	CONSOLIDATED EDISON		JEROME AVE	BRONX	UNKNOWN
NYP010000446	NYCDEP		2204 CENTRAL AV	BRONX	UNKNOWN
NYP010001345	NYCDEP		JEROME AVE	BRONX	UNKNOWN
NYR000005645	NYC DEPT OF PARKS LEEHER MCGOVERN BOUIS		LEEHER MCGOVERN BOUIS	BRONX	UNKNOWN
NYR000051854	NYCTA − JEROME BX		204 JEROME AVE	BRONX	UNKNOWN
NYR000081950	NEW YORK CITY TRANSIT AUTHORITY		JEROME AVE	BRONX	UNKNOWN
NYR000125518	NYCTA		36 BRONX AVE & WESTCHESTER AVE	BRONX	UNKNOWN
NYP000929406	CONSOLIDATED EDISON		VS2711−E TREMONT	BROOKLYN	UNKNOWN
NYP004127148	CONSOLIDATED EDISON		SCHWARTZ AVE	EAST CHESTER	UNKNOWN
NY0000010363	NYCDOT		N/S	N/S	UNKNOWN
NYP004039327	CONSOLIDATED EDISON		N/S	NEW YORK	UNKNO
NYP004078721	CONSOLIDATED EDISON		200 FOREST AVE	NEW YORK	UNKNOWN
NYP004102281	CONSOLIDATED EDISON		F/O 491 HARRISON AVE	NEW YORK	UNKNOWN
NYP004120366	CONSOLIDATED EDISON		MH132	NEW YORK	UNKNOWN
NYP004134565	CONSOLIDATED EDISON		MH26084−CARPENTER AVE	NEW YORK	UNKNOWN
NYP004011334	CONSOLIDATED EDISON		V 1054 − WASHINGTON AVE	QUEENS	UNKNOWN
NYP004016242	CONSOLIDATED EDISON		V9379−32 HARRISON	QUEENS	UNKNOWN
NYP004014213	CONSOLIDATED EDISON		V 809 − HULUENOT & HARRISON	STATEN ISLAND	UNKNOWN
NYP004125126	CONSOLIDATED EDISON		BRONX ST & MOTT ST	WESTCHESTER	UNKNOWN

Air Releases

FACILITY ID	FACILITY NAME		STREET	CITY	ZIP
NY005X08L	TAPOLD REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X12G	J A D REALTY CORP	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY005X40E	ANTHONY ASSOC	BRONX	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
3606160150	NYS UDC COGENERATION		MOTT HAVEN ROF PROC	SOUTH BRONX	UNKNOWN

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

D001 Solid waste that exhibits the characteristic of ignitability, but is not listed under any other hazardous waste code.

D008 Lead

Source: U. S. Environmental Protection Agency

How Toxic Site Locations Are Mapped

Toxics Targeting maps toxic site locations on a digital version of the U. S. Census map or those used by local authorities using addresses and map coordinates provided by site owners/operators or government agencies. In order to allow site locations to be verified independently, the information used to map each site is presented in the first section of each Toxic Site Profile, along with a description of the mapping technique used and any address corrections that were made in order to locate toxic sites with incomplete or inadequate site location information. The mapping process is explained below.

Map Identification Number: 12 Site Name: Acme World Manufacturing, Inc.

Site Address: 55 Main Street Anytown, NY 11797

MAP LOCATION INFORMATION

Site location mapped by:

Address Matching

1) Most toxic sites are mapped by matching addresses provided by site owners/operators or government agencies with locations on a digital version of the street or parcel map. These site locations are identified with the method used to map them.

Note: Some sites have an address match location and a map coordinate location. Both locations are mapped because they can be equally correct.

or Map Coordinate

2) Some toxic sites are located using map coordinates provided by site owners/ operators or government agencies. These site locations are identified "map coordinate." Map coordinates for Toxic Wastewater Discharges, Toxic Release Inventory sites and Major Oil Storage Facilities should be considered suspect.

or Manual Mapping

or Site Visit

3) Incomplete addresses or map coordinates require some site locations to be determined by commercial street maps (manual mapping), site visits, map coordinates from other databases and address location services. Application of any of these methods is identified accordingly.

ADDRESS CHANGE INFORMATION

Revised Street: NO CHANGE

Revised zip code: NO CHANGE

4) Site addresses are sometimes corrected to eliminate obvious errors that prevent sites from being mapped. All address corrections are noted here.

Information Source Guide

Toxics Targeting's Environmental Reports contain government and other information compiled on 21 categories of reported known or potential toxic sites. Each toxic site database is described below with information detailing a) the source of the information, b) the date when each database is covered to and c) when *Toxics Targeting* obtained the information..

1) **National Priority List for Federal Superfund Cleanup:** Toxic sites nominated for cleanup under the Federal Superfund program. Annual compilation of special two-page detailed profiles of NPL sites. Also includes delisted NPL sites.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated from: 1/5/2010. Data obtained by Toxics Targeting: 1/5/2010.
New Facilities updated through: 1/5/2010. Data obtained by Toxics Targeting: 1/5/2010.

2) **Inactive Hazardous Waste Disposal Site Registry:** New York State database that maintains information and aids decision making regarding the investigation and cleanup of toxic sites. The Registry's data includes two-page profiles noting site name, ID number, description, classification, cleanup status, types of cleanup, owner information, types and quantities of contaminants, and assessment of health and environmental problems. Also included are sites that qualify for possible inclusion on the Registry. These Registry Qualifying sites may or may not be on the Site Registry.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 8/18/2009. Data obtained by Toxics Targeting: 8/18/2009.
New Facilities updated to: 8/18/2009. Data obtained by Toxics Targeting: 8/18/2009.

3) **Corrective Action Activity (CORRACTS):** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
Data attributes updated through: 11/17/2009. Data obtained by Toxics Targeting: 11/18/2009.
New facilities updated through: 11/10/2008. Data obtained by Toxics Targeting: 3/7/2009.

4) **CERCLIS:** Toxic sites listed in the Federal Comprehensive Environmental Response, Compensation and Liability Information System. Includes Active and No Further Remedial Action Planned (NFRAP) sites.
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency.[1]
Data attributes updated through: 1/9/2008. Data obtained by Toxics Targeting: 3/12/2008.
New Facilities updated through: 1/9/2008. Data obtained by Toxics Targeting: 3/12/2008.

5) **Brownfield Programs:** NYS programs for sites that are abandoned, idled or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination.
ASTM required.* Source: New York State Department of Environmental Conservation.[2]
Data attributes updated through: 8/18/2009. Data obtained by Toxics Targeting: 8/18/2009.
New Facilities updated to: 8/18/2009. Data obtained by Toxics Targeting: 8/18/2009.

(a) **Brownfield Cleanup Program (BCP)**
(b) **Voluntary Cleanup Program (VCP)**
(c) **Environmental Restoration Program (ERP)**

6) **Solid Waste Facilities:** a compilation of the following 2 databases:

(a) **NYS Solid Waste Registry:** which includes, but is not limited to, landfills, incinerators, transfer stations, recycling centers.
ASTM required.* Fannie Mae required.** Source: New York State Dept. of Environmental Conservation.[2]
Data updated to: 12/31/2001. Data obtained by Toxics Targeting: 3/16/2002.

(b) **1934 Solid Waste Disposal Site in New York City:** which includes sites operated by municipal authorities circa 1934. Source: City of New York Department of Sanitation (1984). The Waste Disposal Problem in New York City: A Proposal For Action.

7) **RCRA Hazardous Waste Treatment, Storage or Disposal Facility Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the DEC's Bureau of Hazardous Waste Facility Compliance pursuant to NYS Law and the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 12/2/2009. New facilities obtained by Toxics Targeting: 12/4/2009.
Manifest transactions data updated to: 12/2/2009. Manifest transactions data obtained by Toxics Targeting: 12/4/2009.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]
New facilities updated through: 11/17/2009. Data obtained by Toxics Targeting: 11/18/2009.
Data attributes updated through: 11/17/2009. Data obtained by Toxics Targeting: 11/18/2009.

8) **Spills Information Database:** Spills reported to the DEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from Petroleum Bulk Storage Regulations) or 6 NYCRR Section 595.2 (from Chemical Bulk Storage Regulations). This database includes both *active* and *closed* spills.
ASTM required.* Fannie Mae.** Source: NYS Department of Environmental Conservation.[2]

New spills through: 1/4/2010 New spills data obtained by Toxics Targeting: 1/4/2010
Spill attribute data through: 1/4/2010 Spill attribute data obtained by Toxics Targeting: 1/4/2010

Active spills: paperwork not completed. Closed spills: paperwork completed.
Both active and closed spills may or may not have been cleaned up (see Date Cleanup Ceased in spill profiles).

9) **Major Oil Storage Facilities:** NYS database of facilities licensed pursuant to Article 12 of the Navigation Law, 6NYCRR Parts 610 and 17NYCRR Part 30, such as onshore facilities or vessels, with petroleum storage capacities equal to or greater than four hundred thousand gallons. **Tank & other data withheld by NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

Data updated through: 9/8/2009. Data obtained by Toxics Targeting: 9/8/2009.

10) **Petroleum Bulk Storage Facilities:** a compilation of local and state databases of aboveground and underground petroleum storage tank facilities.

(a) **NYS Petroleum Bulk Storage Database:** This includes all New York State counties except Cortland, Nassau, Rockland, Suffolk, and Westchester. ASTM required.* Fannie Mae required.**
Source: NYS Department of Environmental Conservation.[2]
New facilities updated through: 2/22/2009. Data obtained by Toxics Targeting: 2/22/2009.
Tank data updated through: 2/22/2009. Data obtained by Toxics Targeting: 2/22/2009.

(b) **New York City Fire Department Tank Data:** **Data has been withheld by the NYC Fire Dept.**
Source: New York City Fire Department. Data obtained by Toxics Targeting: 2/18/1997

11) **RCRA Hazardous Waste Generators and/or Transporters Databases:**

(a) **Manifest Information:** New York State database of hazardous waste facilities and shipments regulated by the NYS Department of Environmental Conservation's Bureau of Hazardous Waste Facility Compliance pursuant to New York State Law.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]

New facilities updated through: 12/2/2009. New facilities obtained by Toxics Targeting: 12/4/2009.
Manifest transactions data updated to: 12/2/2009. Manifest transactions data obtained by Toxics Targeting: 12/4/2009.

(b) **RCRA Notifier & Violations Information:** U. S. Environmental Protection Agency database of hazardous facilities regulated pursuant to the Resource Conservation and Recovery Act (RCRA).
ASTM required.* Fannie Mae required.** Source: U. S. Environmental Protection Agency[1]

New facilities updated through: 11/17/2009. Data obtained by Toxics Targeting: 11/18/2009.
Data attributes updated through: 11/17/2009. Data obtained by Toxics Targeting: 11/18/2009.

12) **Chemical Bulk Storage Facilities:** New York State database of facilities compiled pursuant to 6NYCRR Part 596 that store regulated substances listed in 6NYCRR Part 597 in aboveground tanks with capacities greater than 185 gallons and /or in underground tanks of any size. **Tank & other data withheld by NYSDEC as of 4/1/2002**.
ASTM required.* Fannie Mae required.** Source: New York State Department of Environmental Conservation.[2]
Data updated through: 9/8/2009. Data obtained by Toxics Targeting: 9/8/2009.

13) **Historic New York City Utility Facilities (1898 to 1950):** An inventory of selected power generating stations, manufactured gas plants, gas storage facilities, maintenance yards and other gas and electric utility sites identified in various historic documents, maps and annual reports of New York utility companies, including: Sanborn Fire Insurance Maps of NYC (1898-1950); Consolidated Edison Co. Annual Reports (1922-1939); Consolidated Edison Co. Map: "Boroughs of Manhattan and the Bronx Showing Distribution Mains of the New York Edison Co.," (1922); and Consolidated Edison document: "Generating and Annex Stations," (1911).

14) **Hazardous Substance Waste Disposal Site Study:** NYS database of waste disposal sites that may pose threats to public health or the environment, but could not be remediated using monies from the Hazardous Waste Remedial Fund.
Source: New York State Department of Environmental Conservation.[2]
Data updated to: 5/16/2000. Data obtained by Toxics Targeting: 5/16/2000.

15) **Toxic Release Inventory (TRI):** Federal database of manufacturing facilities required under Section 313 of the Federal Emergency Planning and Community Right-to-Know Act to report releases to the air, water and land of any specifically listed toxic chemical. See Fannie Mae requirement** below.
Source: U. S. Environmental Protection Agency.[1] / NYS Department of Environmental Conservation[2]
Data updated through: 3/8/2004. Data obtained by Toxics Targeting: 3/25/2004

16) **Toxic Wastewater Discharges (Permit Compliance System):** Federal database of discharges of wastewater to surface waters and groundwaters. See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 6/17/2004. Data obtained by Toxics Targeting: 7/19/2004.

17) **Air Discharge Facilities:** EPA AIRS database containing address information on each air emission facility and the type of air pollutant emission it is. Compliance information is also provided on each pollutant as well as the facility itself.
See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency[1]
Data updated through: 11/24/1999. Data obtained by Toxics Targeting: 1/6/2000

18) **Civil Enforcement & Administrative Docket:** This database is the U. S. EPA's system for tracking administrative and civil judiciary cases filed on behalf of the agency by the Department of Justice. Fannie Mae required.**
Source: U. S. Environmental Protection Agency.[1]
New Sites through: 10/14/1999.
Data updated through: 10/14/1999. Data obtained by Toxics Targeting: 11/18/1999.

19) **New York City Environmental Quality Review (CEQR) – E Designation Sites:** These sites are parcels assigned a special environmental ("E") designation under the CEQR process. E designation requires specific protocols that must be followed. Source: New York City Department of Planning[3]
Data updated through: 12/9/2009. Data obtained by Toxics Targeting: 12/14/2009

20) **Emergency Response Notification System (ERNS):** Federal database of spills compiled by the Emergency Response Notification System. On-site searches only.
ASTM required.* See Fannie Mae requirement** below. Source: U. S. Environmental Protection Agency.[1]
Data updated through: 1/31/2000. Data obtained by Toxics Targeting: 2/15/2000

21) **Remediation Site Borders:** Remediation site borders reported by NYSDEC.
Source: New York State Department of Environmental Conservation.[2]
Updated through: 4/8/2009. Data obtained by Toxics Targeting: 7/21/2009.

* American Society of Testing Materials: Standard Practice on Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-05).

** Fannie Mae's Part X Environmental Hazards Management Procedures specify 1.0 mile searches for "any state or Federal list of hazardous waste sites (e.g. CERCLIS, HWDMS etc.)." Searches for the property and adjacent properties are specified for "chemical manufacturing plants," "obvious high risk neighbors engaging in storing or transporting hazardous waste, chemicals or substances" and "...any documented or visible evidence of dangerous waste handling... (e.g. stressed vegetation, stained soil, open or leaking containers, foul fumes or smells, oily ponds, etc." Searches for property and adjacent properties can include sites up to a quarter mile away (W. Hayward, Director, Multi-Family Business Planning and Control, Fannie Mae, personal communication, 5/94).

[1]U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

[2]NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

[3]New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216

Impact Environmental
Remedial Investigation Report
BCP # 12CBCPO16X

Appendix C:
Construction Health & Safety Plan

Construction Health and Safety Plan

July 22, 2011

Conducted at:

60 West 177th Street & 92 West Tremont Avenue
Bronx, New York
New York City Tax Map Designation: *Block 2867; Lot 125 and 128*

Prepared for:

Promesa Systems Inc.
300 East 175th Street
Bronx, New York 10457

Submitted to:

The City of New York City
Department of Housing Preservation & Development
100 Gold Street
New York, New York

IE Project # 2166-03-03-3002

IMPACT ENVIRONMENTAL

170 KEYLAND COURT, BOHEMIA, NEW YORK 11754 | 631.269.8800 TELEPHONE | 631. 269.1599 FACSIMILE | IMPACTENVIRONMENTAL.COM

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1 Introduction

This Construction Health and Safety Plan (CHASP) describes the procedures to be followed in order to reduce employee exposure to potential health and safety hazards that may be present during environmental investigation activities being performed at the site. The emergency response procedures necessary to respond to such hazards are also described within this CHASP. All activities performed under this CHASP are targeted to comply with Occupational Safety and Health Administration (OSHA) Regulations 29 CFR Part 1910.1025.

This document is not, nor does it purport to be, a complete description of all safety and health requirements applicable to work performed at the site. Rather, the CHASP is a general overview of the compliance policies and work practices applicable to the primary tasks and hazards associated with the environmental assessment portion of the development project, as well as a recitation of minimum safety and health compliance obligations for contractors, subcontractors and workers at the site. All subcontractors of any tier operating at the worksite are obligated to implement and maintain comprehensive safety and health plans for their own employees and to ensure that their employees comply with all applicable safety and health requirements. All subcontractors operating at the worksite should refer to the applicable specific OSHA Standards for detailed requirements.

1.1 Purpose

The purpose of this CHASP is to provide the contractors' field personnel, as well as other site-occupants, with an understanding of the potential chemical and physical hazards that exist or may arise while portions of this project are being performed. To this end, this CHASP also presents information on the progression of the environmental restoration activities and specific details regarding the handling of materials excavated from the site.

The primary objective is to ensure the well being of all field personnel and the community surrounding this site. In order to accomplish this, project staff and approved subcontractors of any tier shall acknowledge and adhere to the policies and procedures established herein. Accordingly, all personnel assigned to the remediation activities associated with this project (Remedial Personnel) shall read this CHASP and sign the Agreement and Acknowledgment Statement (Appendix F) to certify that they have read, understood, and agree to abide by its provisions. A copy of this CHASP will be available to anyone that requests it. Personnel involved in construction activities (Construction Personnel) and other Personnel (e.g. government officials, administrators, bank inspectors, assessors, etc.) that will have limited exposure to the site native soil/fill material during construction activities will be instructed on how to reduce the probability of exposure to site contaminants, but will not be required read the CHASP.

2 Application of Health and Safety Plan

The procedures of this CHASP apply for any person that will enter the boundaries of the site or a portion of the Site during environmental remediation activities or construction, until the existing soil/fill material has been covered with either a paved surface or an uncontaminated soil cap. When the Project Manager has designated an area of the site as clear of any environmental issues, construction contractors and subcontractors of any tier will perform the balance of the work in accordance with their individual OSHA-compliant corporate CHASP.

2.1 Restoration Personnel

Employees of contractors and subcontractors of any tier performing the following activities will be considered Restoration Personnel:

- Excavation of native soil/fill material
- Loading of native soil/fill onto vehicles
- Processing of native soil/fill into components
- Transporting of native soil/fill across the site
- Sampling of native soil/fill material for subsequent physical or chemical analysis
- Cleaning or decontaminating equipment or personnel
- Handling of ground waters

All subcontractors, of any tier, must submit a CHASP to the Site Health and Safety Officer for review and approval prior to mobilizing to the site. Only CHASPs that comply with this CHASP will be approved. Where a subcontractors CHASP is deficient, the Site Health and Safety Officer will provide written notification of any required changes. Approved CHASPs will be submitted to the Project Manager and retained on-site for reference by the Site Health and Safety Officer.

2.1.1 Construction Personnel

For this document, “Construction Personnel” is the term given for those employees of contractors and subcontractors of any tier performing activities associated with site development other than those performed by the Remedial Personnel. This designation does not preclude that Construction Personnel will traverse or work upon native soil/fill material, rather, it infers that it will not involve performing tasks that will create a route of exposure to the contaminants contained therein. Construction Personnel will receive instruction to limit the potential for exposure to these contaminants. Construction Personnel will be prohibited from entering Environmental Remediation Areas (i.e., active excavation / handling / processing areas, loading areas, exclusion zones or support zones).

3 Key Personnel / Identification of Health & Safety Personnel

3.1 Key Personnel

A list of the pertinent personnel authorized to be present on site is as follows:

Title	Name	Telephone Number
Project Manager *Impact Environmental*	Kevin Kleaka	(O) 631-269-8800 (C) 516-805-8892
Field Operations Leader *Impact Environmental*	James Cressy	(O) 631-269-8800 (C) 631-365-6118
Site Health & Safety Officer *Impact Environmental*	WenQing Fang	(O) 631-269-8800 (C) 631-664-6115

3.2 Organizational Responsibility

3.2.1 Project Manager

The Project Manager will be responsible for implementing the project and obtaining any necessary personnel or resources for the completion of the project. Specific duties will include:

- Coordinating the activities of all construction and Remedial Personnel, to include informing them of the required Personal Protective Equipment (PPE) and insuring their signature acknowledging this CHASP;
- Selecting a Site Health and Safety Officer and field personnel for the work to be undertaken on site;
- Ensuring that the tasks assigned are being completed as planned and on schedule;
- Providing authority and resources to ensure that the Site Health and Safety Officer is able to implement and manage safety procedures;
- Preparing reports and recommendations about the project to clients and affected personnel;
- Ensuring that all persons allowed to enter the site (e.g.., EPA, contractors, state officials, visitors) are made aware of the potential hazards associated with the substances known or suspected to be on site, and are knowledgeable as to the on-site copy of the specific CHASP;
- Ensuring that the Site Health and Safety Officer is aware of all of the provisions of this CHASP and is instructing all personnel on site about the safety practices and emergency procedures defined in the plan;
- Serving as liaison with public officials where there is no Public Affairs official designated.

3.2.2 Field Operations Leader

The Field Operations Leader will be responsible for field operations and safety. Specific duties will include, but are not limited to:

- Scheduling with the construction company and their subcontractors;
- Coordinating with the Site Health and Safety Officer in determining protection levels;
- Documenting field activities;
- Coordinate activities between environmental and construction personnel.
- Coordination with waste management contractors.
- Review and approval of waste disposal facilities.

In the event that the Project Manager and the Site Health and Safety Officer are not on site, the Field Operations Leader will assume all responsibility of the Site Health and Safety Officer.

3.2.3 Site Health and Safety Officer

The Site Health and Safety Officer shall be responsible for the implementation of the CHASP on site. Specific duties will include:

- Monitoring the compliance of construction and environmental remediation activities personnel (field personnel) for the routine and proper use of the PPE that has been designated for each task;
- Routinely inspecting PPE and clothing to ensure that it is in good condition and is being stored and maintained properly;
- Stopping work on the site or changing work assignments or procedures if any operation threatens the health and safety of workers or the public;
- Monitoring personnel who enter and exit the site and all controlled access points.
- Reporting any signs of fatigue, work-related stress, or chemical exposures to the Project Manager;
- Dismissing field personnel from the site if their actions or negligence endanger themselves, co-workers, or the public, and reporting the same to the Project Manager;
- Reporting any accidents or violations of the CHASP plan to the Project Manager and documenting the same for the project in the records;
- Knowing emergency procedures, evacuation routes, and the telephone numbers of the ambulance, local hospital, poison control center, fire and police departments;
- Ensuring that all project-related personnel have signed the personnel agreement and acknowledgments form contained in this CHASP;
- Coordinate upgrading and downgrading PPE as necessary due to changes in exposure levels, monitoring results, weather, and other site conditions;
- Perform air monitoring with approved instruments in accordance with requirements stated in this CHASP.

4 Health and Safety Risk Analysis

The field tasks covered by the CHASP will include material excavation with hydraulic equipment and hand tools, the manual sorting of materials, and containerization of soil and groundwater samples. Additionally, standard job task hazards that are inherent to a construction project will exist.

4.1 Explosion and Fire

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to explosion and fire. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Fire Protection and Prevention Standard, set forth at 29 C.F.R. § 1910 part 1926.35, as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations. The following are possible fire and explosion hazards that may be encountered on the job site along with fire preventive measures to take.

4.1.1 Flammable Vapors

The presence of flammable vapors can pose a potential fire and health hazard. Hazard reduction procedures include monitoring the ambient air with an oxygen/LEL meter (combustible gas indicator). If the LEL reading exceeds 20%, all work will stop and employees will leave the site immediately and contact the fire department. For OSHA-defined "confined space" activities, work will stop if the LEL reading exceeds 10%.

4.1.2 High Oxygen Levels

Atmospheres that contain a level of oxygen greater than 23% pose an extreme fire hazard (the usual ambient oxygen level is approximately 20.5%). All personnel encountering atmospheres that contain a level of oxygen greater than 23% must evacuate the site immediately and must notify the Fire Department. If the oxygen level is less than 19.5%, do not enter the space without level B PPE.

4.1.3 Fire Prevention

- During equipment operation, periodic vapor concentration measurements should be taken with an explosimeter or combustimeter. If at any time the vapor concentrations exceed 20% of the lower explosive limit (LEL), then the Site Health and Safety Officer or designated field worker should immediately shut down all operations.
- Only approved safety cans will be used to transport and store flammable liquids.
- All gasoline and diesel-driven engines requiring refueling must be shut down and allowed to cool prior to filling.
- Smoking is not allowed during any operations within the work area in which petroleum products or solvents in free-floating, dissolved, or vapor forms, or other flammable liquids may be present.
- No open flame or spark is allowed in any area containing petroleum products or other flammable liquids.

4.2 Operational Safety Hazards

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to earth moving equipment. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Excavation Standard, set forth at 29 C.F.R. § 1910 Subpart P as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

4.2.1 Heavy Machinery / Equipment

All site employees must remain aware of those site activities that involve the use of heavy equipment and machinery. Respiratory protection and protective eyewear may be worn frequently during site activities. This protective equipment significantly reduces peripheral vision of the wearer. Therefore, it is essential that all employees at the site exercise extreme caution during operation of equipment and machinery to avoid physical injury to themselves or others.

4.2.2 Vehicular Traffic

All employees will be required to wear a fluorescent safety vest at all times while on site. In addition, supplemental traffic safety equipment use can be exercised when warranted by specific task. Supplemental equipment can be items such as cones, flags, barricades, and/or caution tape. Drivers of waste transportation vehicles will only exit vehicles in designated areas within the Support Zone. During this time, drivers will only be allowed to inspect the placement of waste loads and cover their trailers.

4.3 Noise Hazards

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to noise hazards. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Occupational Noise Exposure Standard, set forth at 29 C.F.R. § 1910 part 1926.52, as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

Hearing protection shall be provided to the employees where sound pressure levels exceed 85 dB. Hearing protection shall be worn where sound pressure levels in areas and/or on equipment exceeds 90 dB. Typical heavy excavation operations have been monitored with a sound level meter and indicate that hearing protection is required for all personnel while engaged in this action.

4.4 Safe Material Handling

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to safe material (soil/fill) handling. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Eye and Face, and Respiratory Safety Standards, set forth at 29 C.F.R. § 1910 Parts 1926.102 and 1926.103 as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

Skin and eye contact with contaminated soil/fill or materials in contact with the soil/fill may occur during excavation, handling and decontamination activities. Nitrile gloves and approved safety glasses must be worn to prevent exposure to the associated contaminants. Employees working at or near (within ten feet of) excavation fronts could be required to wear respiratory protection. If necessary, all associated activities will be performed pursuant to 29 C.F.R. § 1910 Parts 1926.134 (a)(2) and 1926.55.

4.5 Temperature Hazards

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to temperature stresses. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Technical Manual (TED 1-0.15A), Section III – Chapter 4 (1999) as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

Since climatic changes cannot be avoided, work schedules will be adjusted to provide time intervals for intake of juices, juice products, and water in an area free from contamination and in quantities appropriate for fluid replacement to prevent heat stress conditions from occurring.

4.5.1 Types of Heat Stress

Heat stress may occur even in moderate temperature areas and may present any or all of the following:

4.5.1.1 Heat Rash

Result of continuous exposure to heat, humid air, and chafing clothes. Heat rash is uncomfortable and decreases the ability to tolerate heat.

4.5.1.2 Heat Cramps

Result of the inadequate replacement of body electrolytes lost through perspiration. Signs include severe spasms and pain in the extremities and abdomen.

4.5.1.3 Heat Exhaustion

Result of increased stress on the vital organs of the body in the effort to meet the body's cooling demands. Signs include shallow breathing; pale, cool, moist skin; profuse sweating; and dizziness.

4.5.1.4 Heat Stroke

Result of overworked cooling system. Heat stroke is the most serious form of heat stress. Body surfaces must be cooled and medical help must be obtained immediately to prevent severe injury and/or death. Signs include red, hot, dry skin, absence of perspiration, nausea, dizziness and confusion, strong, rapid pulse that could lead to coma or death.

4.5.2 Heat Stress Prevention

A. Replace body fluids (water and electrolytes) lost through perspiration. Solutions may include a 0.1% salt and water solution or commercial mixes such as “Gatorade”. Employees must be encouraged to drink more than the amount required in order to satisfy thirst.
B. Use cooling devices to aid the natural body ventilation. Cooling occurs through evaporation of perspiration and limited body contact with heat-absorbing protective clothing. Utilize fans and air conditioners to assist in evaporation. Long, cotton underwear is suggested to absorb perspiration and limit any contact with heat-absorbing protective clothing (i.e., coated Tyvek suits).
C. Conduct non-emergency response activities in the early morning or evening during very hot weather.
D. Provide shelter against heat and direct sunlight to protect personnel. Take breaks in shaded areas.
E. Rotate workers utilizing protective clothing during hot weather.
F. Establish a work regime that will provide adequate rest periods, with personnel working in shifts.

4.6 Cold Exposure Hazards

Work schedules will be adjusted to provide sufficient rest periods in a heated area for warming up during operations conducted in cold weather. Also, thermal protective clothing such as wind and/or moisture resistant outerwear is recommended to be worn.

If work is performed continuously in the cold at or below -7 ºC (20 ºF), including wind chill factor, heated warming shelters (tents, cabins, company vehicles, rest rooms, etc.) shall be made available nearby and the worker should be encouraged to use these shelters at regular intervals, the frequency depending on the severity of the environmental exposure. The onset of heavy shivering, frostnip, the feeling of excessive fatigue, drowsiness, irritability, or euphoria, are indications for immediate return to the shelter. When entering the heated shelter, the outer layer of clothing shall be removed and the remainder of the clothing loosened to permit sweat evaporation. A change of dry work clothing shall be provided as necessary to prevent workers from returning to their work with wet clothing.

Dehydration, or the loss of body fluids, occurs in the cold environment and may increase the susceptibility of the worker to cold injury due to a significant change in blood flow to the extremities. Warm sweet drinks and soups should be provided at the work site to provide caloric intake and fluid volume. The intake of coffee should be limited because of a diuretic and circulatory effect (adapted from TLV's and Biological Exposure Indices 1988-1989, ACGIH).

5 Personnel Training

5.1 Pre-assignment and OSHA Training

All Remedial Personnel that will be in direct contact (that is hand digging, sampling, processing) with the native soil/fill materials must complete an initial 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training course and, where necessary, a current eight hour refresher course (as required annually after initial 40-hour training completion). Restoration Personnel that will not be in direct contact with native soil/fill materials are only required to prove they have read and understood the procedures presented in this CHASP.

On-site managers and supervisors of Restoration Personnel (Field Operations Leader, Site Health and Safety Officer) directly responsible for employees engaged in hazardous substance operations have received an initial 40-hour HAZWOPER training course and an additional (above the 40-hour HAZWOPER) eight hours of supervisory training. These training requirements comply with the OSHA Hazardous Waste Operations and Emergency Response Regulation, 29 CFR 1910.120. The Site Health and Safety Officer will be certified in First Aid and Cardiovascular Pulmonary Resuscitation.

The Site Health and Safety Officer will conduct an on-site training meeting for all Construction Personnel and observers that could potentially be exposed to the native soil/fill material during construction activities. Training meetings will be provided routinely for any new project personnel. This program will cover specific health and safety equipment and protocols and potential problems inherent to each project operation. The Site Health and Safety Officer will be present for any activities being performed by Construction Personnel that will involve the handling of soil/fill during construction activities to provide supervision on exposure reduction. This may include insuring the use of proper PPE and air quality monitoring.

5.2 Respirator Requirements

5.2.1 Respirator Requirements and Fit Testing

The OSHA respiratory protection standard, 29 CFR 1910.134, under paragraph (f)(2), requires fit testing for all employees using tight fitting respirators including filtering facepiece respirator. The fit test must be performed before the respirator is used and must be repeated at least annually and whenever a different respirator facepiece is used or a change in the employee's physical condition could affect the respirator fit.

The user seal check is a separate requirement under paragraph (g)(1)(iii) and must be performed each time the employee dons the respirator. Employers must adhere to the recommendations of the respirator's manufacturer; different manufacturers recommend different procedures.

5.2.2 Medical Surveillance

OSHA requires a medical evaluation to determine whether each employee required to wear a respirator is physically able to wear a respirator and perform the work. This evaluation can be a medical examination or an evaluation of employee responses to the OSHA Respirator Medical Evaluation Questionnaire located in Appendix C of the Respiratory Protection Standard. Either method must be performed by a physician or other licensed healthcare professional. Appendix E has a copy of the forms to be completed.

A medical examination may be necessary whenever the employee gives a positive response to any of questions 1 through 8 in Appendix C, Part A, Section 2.

6 Personal Protective Equipment

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to personal protective equipment. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Personal Protective Equipment Standard, set forth at 29 C.F.R. § 1910.Part 1926.28(a) as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

The purpose of personal protective clothing and equipment (PPE) is to shield or isolate individuals from the chemical, physical, and biological hazards that may be encountered on-site when engineering and other controls are not feasible or cannot provide adequate protection. Careful selection and use of adequate PPE should protect the health of all on-site workers. No single combination of PPE is capable of protecting against all hazards. Therefore, PPE should be used in conjunction with, not in place of, other protective methods, such as engineering controls and safe work practices.

Site-specific chemicals of concern include semi-volatile organic compounds. These chemicals are of moderate to low hazard. Therefore, level D personal protective equipment will be required at all times when on site. The following is a breakdown of the types of protective clothing and equipment to be used during the site activities.

6.1.1 Levels of Protection

The Site Health and Safety Officer will determine whether a level of protection should be upgraded or downgraded. Changes in the level of protection will be recorded in the dedicated site logbook along with the rationale for the changes (see Section 7.1.3 for additional information on PPE upgrades). Level D PPE will be the minimum requirement at all times during the environmental remediation portion of the project.

6.1.2 Level D Personal Protective Equipment

All initial site access and activities will be done in Level D attire. Level D protection is sufficient under conditions where no contaminants are present or those activities that do not pose a potential threat of unexpected inhalation of or contact with hazardous levels of any substances. Typical Level D activities may include sediment, logging and groundwater sampling, and as surficial site surveys.

- Hard hat
- Safety glasses (as appropriate)
- Steel toe and shank boots
- Fluorescent vest
- Hearing protection (as appropriate)

6.1.3 Modified Level D Personal Protective Equipment

- Hard hat
- Safety glasses
- Steel toe and shank boots
- Fluorescent vest
- Nitrile "N-Dex" inner gloves
- Latex outer boots (chemical resistant)
- Polyethylene coated Tyvek suit
- Hearing protection (as appropriate)

6.1.4 Level C Personal Protective Equipment

Level C protection, as described in this plan, will be available at a minimum for those activities that involve surface and subsurface soil (strata disturbance such as well installation, and all subsurface media sampling activities such as split-spoon sampling and borings). Level C protection equipment should be readily available at all times. Consistent with OSHA training, prior to donning Level C, oxygen percent must be continuously monitored.

- Buddy system required at all times
- Full face respirator with NIOSH approved OV/AG/HEPA combination cartridges (MSA GMC-H)
- Saranex coated Tyvek Suit
- Inner Nitrile "N-Dex" gloves
- Outer Nitrile (NBR) gloves
- Steel toe and shank boots
- Outer boots (chemical resistant)
- Hard hat
- Hearing protection (as appropriate)

6.1.5 Level B Personal Protective Equipment

Some activities may require Level B protection. In atmospheres potentially containing toluene and xylenes, the protective ensemble should include chemical resistant clothing since the two compounds have skin absorption potential.
Regional Health and Safety representatives must be on site upon start-up of any project requiring level B protection. This should be understood to include subcontractors conducting Level B activity.

- Buddy system required at all times
- Supplied air respirator or SCBA
- Saranex coated Tyvek Suit
- Inner Nitrile "N-Dex" gloves
- Outer Nitrile (NBR) gloves
- Steel toe and shank boots
- Outer boots (chemical resistant)

• Hard hat
• Hearing protection (as appropriate)

6.1.6 Personal Use Factors and Equipment Change Out Schedule

Prohibitive or precautionary measures should be taken as necessary to prevent workers from jeopardizing safety during equipment use.

If necessary, all respiratory protective equipment used will be approved by NIOSH/MSHA. Respirator cartridges will be changed once per eight-hour shift at a minimum. This can be accomplished at the end of the workday during respirator decontamination. Employees working within the excavation front should change the cartridge of their respirators once every four hours. If odor breakthrough is detected while wearing the respirator or if breathing becomes difficult, change cartridges immediately. A filter change out schedule is provided below.

Remedial Worker	**Work Area**	**Filter Type**	**Replacement Rate**
Site Screener	EZ – At Excavation Front	MSA GMC-H	Every 4 Hours
Laborer	EZ – At Excavation Front	MSA GMC-H	Every 2 Hours
	SZ, CRZ	MSA GMC-H	Every 8 Hours
Equipment Operator	EZ	MSA GMC-H	Every 4 Hours
	SZ, CRZ	MSA GMC-H	Every 8 Hours
Administrator	EZ	MSA GMC-H	Every 4 Hours
	SZ, CRZ	MSA GMC-H	Every 8 Hours

When utilizing protective garments such as Tyvek suits, gloves, and booties, all seams between protective items will be sealed with duct tape.

Contact with contaminated surfaces, or surfaces suspected of being contaminated, should be avoided. This includes walking through, kneeling in, or placing equipment in puddles, mud, discolored surfaces, or on drums and other containers.

Eating, smoking, drinking, and/or the application of cosmetics in the immediate work area is prohibited. Ingestion of contaminants or absorption of contaminants into the skin may occur.

The use of contact lenses on the job site is strongly advised against. Contact lenses may trap contaminants and/or particulate between the lens and eye, causing irritation. However, when glasses are not available, contact lenses are preferred over faulty vision. When contact lenses are worn, safety glasses and/or goggles must be worn at all times while on the job site. Wearing contact lenses with a respirator in a contaminated atmosphere is prohibited under 29 CFR ss1910.134 (e)(5)(iii).

7 Air Monitoring Program

During excavation, waste handling, and material transport, the air in work areas will be sampled periodically (on the site and at the property lines) for the presence of contaminants. Levels of organic vapors in the ambient air will be monitored during the fieldwork to ensure that appropriate levels of respiratory protection are employed at all times. Additionally, the testing will be performed to determine if changes to this plan are warranted to protect workers and the environment.

7.1 Organic Compounds

When deemed appropriate, a member of the safety team will use a real-time, organic vapor analyzer to monitor the concentration VOCs in the air in the work areas, and will determine when changes in site operations and personal protection equipment are necessary. No changes in the levels of respiratory protection specified above will be made without the approval of the site safety supervisor and the project team leader.

During the environmental restoration activities, the site workers will use a photo ionization detector (PID) and/or a combustible gas indicator (CGI) to monitor levels of organic vapor in the air and verify that they are within the safety guidelines established by the preliminary assessment of the risks associated with site investigations. The PID has an audible alarm set for 5 ppm (the lowest action threshold presented within this plan). If used, the GCI will have an audible alarm set to detect explosive atmospheres. Testing will be performed as necessary within the exclusion zone and at the nearest down-wind property line.

Screening activities with respect to soil quality are detailed in section 8 of this report. At a minimum, where monitoring equipment is used, the following information will be logged.

- Instrument type and detection range
- Control settings
- Reading locations
- Atmospheric conditions
- Calibration Records – To be performed a minimum of once per day

For health and safety purposes, the benzene concentration in air will be identified as 2% of the total concentration of detected hydrocarbons. This method is consistent with air monitoring conducted by the NYSDEC.

The data collected during monitoring will be used to guide site operations in a manner that is consistent with the New York State Department of Environmental Conservation, DER-I0 Technical Guidance for Site Investigation and Remediation, Generic Community Air Monitoring Plan.

Accordingly, if the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must

be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the I5-minute average. **If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.**

7.2 Fugitive Emissions and Odor Monitoring

Airborne fugitive particulate emissions at the site EZ and at the nearest down wind property line will be measured by the Site Safety Officer on a continuous basis during waste handling activities. The measurements will be made using a portable particulate monitoring device manufactured by the Casella Corporation. The monitoring device is capable of detecting airborne particulate (PM-10) at concentrations ranging from 1 to 1000 micrograms per cubic meter (ug/m3). Detected concentrations are logged within the instrument memory and can be retrieved using Microsoft Windows-based software provided by the manufacturer. Retrieved data cab be imported into standard PC-based spreadsheet and database software for analysis and report presentation.

At a minimum, where the particulate monitoring device is used, the following information will be logged.

- Instrument type and detection range
- Control settings
- Reading locations
- Atmospheric conditions
- Calibration Records – To be performed a minimum of once per day

The data collected during monitoring will be used to guide site operations in a manner that is consistent, or due to the presence of heavy metal contaminants within the soil is more restrictive than those presented within the New York State Department of Environmental Conservation, DER-I0 Technical Guidance for Site Investigation and Remediation, Generic Community Air Monitoring Plan.

If **during handling or the historic fill** the total downwind PM-10 particulate level is 150 micrograms per cubic meter (ug/m3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then the handling activities must immediately stop, and the dust suppression techniques listed in section 8.3 of this document must be employed. Activities cannot resume until the mitigating measures result in a net downwind PM-10 particulate concentration below150 ug/m3.

If during **handling of certified clean soil** the total downwind PM-10 particulate level is 200 micrograms per cubic meter (ug/m3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed

leaving the work area, then dust suppression techniques listed in section 8.3 of this document must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 200 ug/m3 above the upwind level and provided that no visible dust is migrating from the work area.

If, after implementation of dust suppression techniques, downwind PM - 10 particulate levels are greater than 150 ug/m3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-IO particulate concentration to within 150 ug/m3 of the upwind level and in preventing visible dust migration.

Because the detection of odors is subjective, the Site Health and Safety Officer will be charged with the responsibility of making a determination if measures are required to abate odors. Since the contaminant concentrations in the soil/fill are generally below the odor threshold, the odor sources during the site will be the operation of diesel engines associated with hydraulic material handling and transportation.

7.3 Site Matrix for Protection Level Determinations

Action levels represent those conditions requiring an upgrade of personal protective equipment (PPE). The information presented below applies to the above chemical constituents. All air monitoring results should be logged in the Site Safety Log. The following tables provide for quick reference for each monitored parameter.

Ionization Detector Response

Photoionization Detector (PID)	
Concentrations (in ppm)	**Level of PPE Required/Procedure**
0.0 to 15.0	Level D
15.1 to 250.0	Level C
> 750.0	Immediately withdraw from the area

Combustible Gas Response

Combustible Gas Indicator (CGI)	
Results (% of LEL)	**Level of PPE Required/Procedure**
0.0 to 20.0	Level D - Continue with normal activity
Above 20.0	Discontinue all site restoration activities - Immediately withdraw from the area and implement emergency procedures presented in Section 11 of this document.

Particulate Detector Response

Real Time Particulate Detection Meter	
Results (mg/m3)	**Level of PPE Required/Procedure**
0.0 to 5.0	Continue with normal activity – Level D
>5.0	Level C Protection - Discontinue site activities – initiate dust control activities listed in Section 8.3 of this document

7.4 Work Zone Definitions

Work and support areas shall be established based on ambient air data and proposed work sites. They shall be established in order to contain contamination within the smallest areas possible and shall ensure that each employee has the proper PPE for the area or zone in which work is to be performed.

7.4.1 Exclusion Zone (EZ)

It is within this zone that the excavation or environmental remediation activities such as tank abandonment operations (as described in 8.1.1.1) are performed. No one shall enter this zone unless the appropriate PPE is donned. The location of this zone will change as the construction-related excavation activities are performed.

7.4.2 Contaminant Reduction Zone (CRZ)

It is within this zone that the decontamination process is undertaken. Personnel and their equipment must be adequately decontaminated before leaving this zone for the support zone. This zone will be set up between the EZ (no less than 100 feet away) and the site boundary.

7.4.3 Support Zone (SZ)

The support zone is considered to be uncontaminated; as such, protective clothing and equipment are not required but should be available for use in emergencies. All equipment and materials are stored and maintained within this zone. Protective clothing is put on within the SZ before entering the EZ or the CRZ. The SZ will be established in a safe environment at least 50 feet away from the EZ.

7.4.4 Fugitive Dust Control Measures

To prevent the occurrence of fugitive emissions the following procedures will be implemented.

- A strict facility speed limit will be set at 15 miles per hour.
- Roads will be wetted using potable water.
- Media stockpiles over 500 cubic yards will be covered with plastic poly sheeting.
- Excavation and handling activities will be halted where winds exceed 40 miles per hour.
- Loading and mechanical screening of material will be performed within the central portions of the site as to provide maximum distance to the property lines.
- Media handled about the site will be covered while being transported within trucks.

7.5 Backfilling

All backfill material must be demonstrated to be free of any detectable concentrations of organic compounds and have concentrations of inorganic compounds that are consistent with uncontaminated regional soils (McGovern, NYSDEC, 1987).

8 General Safety and Health Provisions

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to general safety and health provisions. Rather, contractors, subcontractors and workers at the site must refer to OSHA's General Safety and Health Provision Standard, set forth at 29 C.F.R. § 1910 subparts C and G as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

8.1 Safety Practices / Standing Orders

The following are important safety precautions that will be enforced during work activities.

1. Eating, drinking, chewing gum or tobacco, smoking, or any practice that increases the probability of hand-to-mouth transfer and ingestion of material is prohibited in any area designated as contaminated.
2. Hands and face must be thoroughly washed upon leaving the work area and before eating, drinking, or any other activity.
3. Whenever decontamination procedures for outer garments are in effect, the entire body should be thoroughly washed as soon as possible after the protective garments are removed.
4. No excessive facial hair that interferes with the effectiveness of a respirator will be permitted on personnel required to wear respiratory protection equipment. The respirator must seal against the face so that the wearer receives air only through the air purifying cartridges attached to the respirator. Fit testing shall be performed prior to respirator use to ensure the wearer obtains a proper seal.
5. Contact with potentially contaminated surfaces should be avoided whenever possible. One should not walk through puddles; kneel on the ground; lean, sit, or place equipment on drums, containers, vehicles, or the ground.
6. Medicine and alcohol can potentate the effect from exposure to certain compounds. Prescribed drugs and alcoholic beverages should not be consumed by personnel involved in the project.
7. Personnel and equipment in the work areas should be minimized, consistent with effective site operations.
8. Work areas for various operational activities should be established.
9. Procedures for leaving the work area must be planned and implemented prior to going to the site. Work areas and decontamination procedures must be established on the basis of prevailing site conditions.
10. Respirators will be issued for the exclusive use of one worker and will be cleaned and disinfected after each use.
11. Safety gloves and boots shall be taped to the disposable, chemical-protective suits as necessary.
12. All unsafe equipment left unattended will be identified by a "DANGER, DO NOT OPERATE" tag.
13. Noise mufflers or earplugs may be required for all site personnel working around heavy equipment. This requirement will be at the discretion of the Site Health and Safety Officer. Disposable, form-fitting plugs are preferred.
14. Cartridges for air-purifying respirators in use will be changed daily at a minimum.

8.2 Buddy System

Site personnel will employ the buddy system when working under certain circumstances, such as enclosed spacing. Under the buddy system, each site worker is responsible for monitoring the well-being of another worker. No one will work alone when the buddy system is implemented. At no time will fewer than two employees be present at the site if activities are underway.

8.3 Site Communications Plan

Mobile telephone and/or two-way radios will be used to communicate between the work parties on the site. The following standard hand signals will be used in case of failure of radio communication:

- Hands on top of head = Need assistance
- Thumbs up = OK, I am alright, I understand
- Thumbs down = No, negative

Personnel in the Contaminated Zone should remain in constant radio communication or within sight of the project team leader. Any failure of radio communication will require the team leader to evaluate whether personnel should leave the zone.

8.4 Retention of Records

The following records will be maintained on-site and in corporate records for no less than three years.

- Fit test results
- OSHA Training Certification
- Medical Questionairre and/or Medical Clearance
- Medical Data Sheets
- Accident Report Forms

9 Decontamination Plan

9.1 General

Personnel involved in work activities at the site may be exposed to compounds in a number of ways, despite the most stringent protective procedures. Site personnel may come in contact with vapors, gases, mists, particulates in the air, or other site media while performing site duties. Use of monitoring instruments and site equipment can also result in exposure and transmittal of hazardous substances.

In general, decontamination involves scrubbing with a detergent water solution followed by clean water rinses. All disposable items shall be disposed of in a dry container. Certain parts of contaminated respirators, such as harness assemblies and leather or cloth components, are difficult to decontaminate. If grossly contaminated, they may have to be discarded. Rubber components can be soaked in detergent and water and scrubbed with a brush. In addition to being contaminated, all respirators, non-disposable protective clothing, and other personal articles must be sanitized or replaced before they can be used again if they become soiled from exhalation, body oils, and perspiration. The manufacturer's instructions should be followed in sanitizing the respirator masks.

The Site Health and Safety Officer will be responsible for the proper maintenance, decontamination, and sanitizing of any respirator equipment that may be used on-site.

The decontamination zone layout and procedures should match the prescribed levels of personal protection.

The following procedures have been established to provide site personnel with minimum guidelines for proper decontamination. Personnel leaving the point of operations designated as the EZ must follow these minimum procedures. The decontamination process shall take place within the contaminant reduction zone.

9.2 Minimum Decontamination Procedure

Personnel leaving the point of operations should remove or change outer gloves. At a minimum, boots shall be cleaned of all accumulated soil/fill. Outer boots must be properly washed where gross contamination is evident or disposed of. If Tyvek suits are being utilized, they should be removed or changed. Personnel should remove the Tyvek suits so that the inner clothing does not come in contact with any contaminated surfaces. After Tyvek removal, personnel shall remove and discard outer Nitrile gloves. Personnel shall then remove the respirator, where applicable. Respirators shall be disinfected between uses with towelettes or other sanitary methods. Potable water, at a minimum, will be present so that site personnel can thoroughly wash hands and face after leaving the point of operations.

The Site Health and Safety Officer will monitor decontamination procedures to ensure their effectiveness. Modifications of the decontamination procedure may be necessary as determined by the Site Health and Safety Officer's observations.

9.3 Standard Decontamination Procedure

The following decontamination procedures should be implemented during site operations for the appropriate level of protection.

9.3.1 Level B

Segregated equipment drop	Deposit equipment (tools, sampling devices, notes, monitoring instruments, radios, etc.) used on the site onto plastic drop cloths.
Boot covers and glove wash	Outer boots and outer gloves should be scrubbed with a decontamination solution of detergent and water or replaced.
Rinse off boot covers and gloves	Decontamination solution should be rinsed off boot covers and gloves using generous amounts of water. Repeat as many times as necessary.
Tape removal	Remove tape from around boots and gloves and place into container with plastic liner.
Boot cover removal	Remove disposable boot covers and place into container with plastic liner.
Outer glove removal	Remove outer gloves and deposit in container with plastic liner.
Suit / safety boot wash	Completely wash splash suit, SCBA, gloves, and safety boots. Care should be exercised that no water is allowed into the SCBA regulator. It is suggested that the SCBA regulator be wrapped in plastic.
Suit / safety boot rinse	Thoroughly rinse off all decontamination solution from protective clothing.
Tank or canister changes	This is the last step in the decontamination procedure for those workers wishing to change air tanks and return to the EZ. The worker's air tank or cartridge is exchanged, new outer glove and boot covers are donned, and joints taped.
Removal of safety boots	Remove safety boots and deposit in container with a plastic liner.
SCBA backpack removal	Without removing the face piece, the SCBA backpack should be removed and placed on a table. The face piece should then be disconnected from the remaining SCBA unit and then proceed to the next station.
Splash suit removal	With care, remove the splash suit. The exterior of the splash suit should not come in contact with any inner layers of clothing.
Inner glove wash	The inner gloves should be washed with a mild decontamination solution (detergent / water).
Inner glove rinse	Generously rinse the inner gloves with water.
Face piece removal	Without touching the face with gloves, remove the face piece. The face piece should be deposited into a container that has a plastic liner.
Inner glove removal	Remove the inner glove and deposit into a container that has a plastic liner.
Field wash	Wash hands and face thoroughly. If highly toxic, skin corrosive, or skin absorbent materials are known or suspected to be present, a shower should be taken.

9.3.2 Level C and Level D

The decontamination procedure for Level C and Level D will be satisfied with the Minimum procedures outlined in section 8.2.

9.4 Heavy Equipment and Handling Equipment Decontamination

Equipment traversing the site and exiting the site will be subjected to a decontamination protocol. At a minimum the protocol will consist of an inspection of the truck fenders, tires and mud flaps for accumulated soil/fill, and removal of all accumulations using hand tools (brush, broom and scrapers). If deemed necessary by the Health and Safety Officer, this inspection will be performed over a thirty by fifteen foot area that has been filled with ¾ inch crushed recycled concrete aggregate to facilitate the removal of soil/fill accumulations from the tires, and to immobilize soil/fill removed from the truck body. Additionally, all trucks hauling waste will be required to be covered prior to exiting the site.

At the conclusion of the use of each piece of excavation equipment on the site, it will be decontaminated with an Alconox / water solution followed by a clean water rinse within the Contaminant Reduction Zone. The rinsate will be allowed to charge into the site ground.

10 Emergency Response / Contingency Plan

10.1Pre-Emergency Planning

In order to properly prepare for emergencies, Material Safety Data Sheets (MSDS) will be maintained on-site for the type of contaminants to which workers may be exposed. Based upon the results of previous investigations, these contaminants consist of a mixture of organic compounds consistent with those found within diesel and/or heating oil. The MSDS for both products are presented on the following pages.

In the event a suspected or known hazardous substance or substance container is encountered during site activities, a contingency plan will be triggered (see Section 11.3).

10.1.1 Pesticides & PCB's Pesticides

ENVIRONMENTAL RESOURCE ASSOCIATES -- PESTICIDES & PCB'S PESTICIDS -- 6810-00F030787

========== Product Identification ==========

Product ID:PESTICIDES & PCB'S PESTICIDS
MSDS Date:09/30/1987
FSC:6810
NIIN:00F030787
MSDS Number: BSLVW
=== Responsible Party ===
Company Name:ENVIRONMENTAL RESOURCE ASSOCIATES
Address:5540 MARSHALL ST
City:ARVADA
State:CO
ZIP:80002-3108
Country:US
Info Phone Num:303-431-8454
Emergency Phone Num:303-431-8454
Preparer's Name:DANIEL THAU TEITELBAUM
CAGE:1R664
=== Contractor Identification ===
Company Name:ENVIRONMENTAL RESOURCE ASSOCIATES
Address:5540 MARSHALL STREET
Box:City:ARVADA
State:CO
ZIP:80002
Country:US
Phone:303-431-8454
CAGE:1R664

========== Composition/Information on Ingredients ==========

Ingred Name:LINDANE, G-BHC, CYCLOHEXANE,1,2,3,4,5,6-HEXACHLORO
(SUSPECTED HUMAN CARCINOGEN)
CAS:58-89-9
RTECS #:GV4900000
OSHA PEL:0.5 MG/CUM (SKIN)
ACGIH TLV:0.5 M/CUM (SKIN)
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:METHOXYCHLOR
CAS:72-43-5
RTECS #:KJ3675000
OSHA PEL:15 MG/CUM
ACGIH TLV:10 MG/CUM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (CHLOROTHENE NU), AEROTHANE TT, CHLOROTHENE
CAS:71-55-6
RTECS #:KJ2975000
Other REC Limits:450 PPM STEL
OSHA PEL:350 PPM
ACGIH TLV:1910 MG/CUM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS
Ozone Depleting Chemical:1

Ingred Name:METHANOL (METHYL ALCOHOL), COLUMBIAN SPIRITS
CAS:67-56-1
RTECS #:PC1400000
Fraction by Wt: 99.2%
Other REC Limits:200 PPM
OSHA PEL:260 MG/CUM
ACGIH TLV:262 MG/CUM (SKIN)
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:POLYCHLORINATED BIPHENYL, PCB, AROCLOR 1016 (CL 41%)
CAS:12674-11-2
RTECS #:TQ1351000
Other REC Limits:0.001 MG/CUM NIOSH
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:CHLORODIPHENYL (42% CL), PCB, POLYCHLORINATED BIPHENYL, AROCHLOR 1242
CAS:53469-21-9
RTECS #:TQ1356000
Other REC Limits:0.001 MG/CUM NIOSH
OSHA PEL:1 MG/CUM
ACGIH TLV:1 MG/CUM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:POLYCHLORINATED BIPHEYNL, PCB, AROCLOR 1248, (CL 48%)
CAS:12672-29-6
RTECS #:TQ1358000
Other REC Limits:0.001 MG/CUM NIOSH
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:CHLORODIPHENYL (54% CL), PCB, AROCLOR 1254, POLYCHLORINATED BIPHENYL (SUSPECTED HUMAN CARCINOGEN)
CAS:11097-69-1
RTECS #:TQ1360000
Other REC Limits:0.001 MG/CUM NIOSH
OSHA PEL:0.5 MG/CUM (SKIN)
ACGIH TLV:0.5 MG/CUM (SKIN)
EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:POLYCHLORINATED BIPHENYL, PCB, AROCLOR 1260, (CL 60%)
CARCINOGEN BY NTP & IARC.
CAS:11096-82-5
RTECS #:TQ1362000
Other REC Limits:0.001 MG/CUM NIOSH
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ALDRIN
CAS:309-00-2
RTECS #:IO2100000
OSHA PEL:0.25 MG/CUM
ACGIH TLV:0.25 MG/CUM (SKIN)
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:CHLORDANE (SUSPECTED HUMAN CARCINOGEN)
CAS:57-74-9
RTECS #:PB9800000
Other REC Limits:0.5 MG/CUM (SKIN)
OSHA PEL:0.5 MG/CUM
ACGIH TLV:0.5 MG/CUM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:DDT ISOMERS (DICHLORODIPHENYL-TRICHLOROETHANE) (SUSPECTED
HUMAN CARCINOGEN)
CAS:50-29-3
RTECS #:KJ3325000
ACGIH TLV:1 MG/CUM (SKIN)
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:1,1,1-TRICHLORO-2- O-CHLOROPHENYL!-2- P-CHLOROPHENYL!ETHANE
CAS:789-02-6
RTECS #:KH7910000

Ingred Name:4,4'-DDE
CAS:72-55-9
RTECS #:KV9450000
Other REC Limits:1 MG/CUM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ETHYLENE,
1,1-DICHLORO-2-(O-CHLOROPHENYL)-2-(P-CHLOROPHENYL)-
CAS:3424-82-6
RTECS #:KV9454000

Ingred Name:4,4'-DDD
CAS:72-54-8

RTECS #:KI0700000
Other REC Limits:1 MG/CUM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:1-CHLORO-2-(2,2-DICHLORO-1-(4-CHLOROPHENYL)ETHYL)BENZENE
CAS:53-19-0
RTECS #:KH7880000

Ingred Name:DIELDRIN (SUSPECTED HUMAN CARCINOGEN)
CAS:60-57-1
RTECS #:IO1750000
OSHA PEL:0.25 MG/CUM (SKIN)
ACGIH TLV:0.25 MG/CUM (SKIN)
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ENDRIN
CAS:72-20-8
RTECS #:IO1575000
OSHA PEL:0.1 MG/CUM
ACGIH TLV:0.1 MG/CUM (SKIN)
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ENDOSULFAN
CAS:115-29-7
RTECS #:RB9275000
ACGIH TLV:0.1 MG/CUM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:HEPTACHLOR
INTENDED CHANGE (IC)
CAS:76-44-8
RTECS #:PC0700000
OSHA PEL:0.5 MG/CUM (SKIN)
ACGIH TLV:0.5 MG/CUM (SKIN) A2
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:HEPTACHLOR EPOXIDE;
1,4,5,6,7,8,8-HEPTACHLORO-2,3-EPOXY-3A,4,7,7A-TETRAHYDRO-4,7
CAS:1024-57-3
RTECS #:PB9450000
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:HEXACHLOROBENZENE
CAS:118-74-1
RTECS #:DA2975000
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

========== Hazards Identification ==========

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:PRIMARY IRRITANT. IRRITATES & DAMAGES ALL TISSUES. MAY CAUSE LIVER, KIDNEY & LUNG DAMAGE, CARDIAC ARRYTHMIA. MAY SENSITIZE THE HEART TO EPINEPHRINE. SKIN: ALLERGIC DERMATITIS OR CHLORACNE. MAY CAUSE C ANCER IN HUMANS. MAY CAUSE ACIDOSIS & BLINDNESS.
Explanation of Carcinogenicity:SEE INGREDIENTS
Effects of Overexposure:SKIN: RED, DRY, SCALY, CRACKING & WEEPING. INHALATION: COUGHING, WHEEZING. INGESTION: JAUNDICE, NAUSEA, VOMITING, UREMIA & ACIDOSIS.
Medical Cond Aggravated by Exposure:DERMATITIS, LIVER DISEASE, KIDNEY DISEASE

========== First Aid Measures ==========

First Aid:INHALATION: REMOVE TO FRESH AIR. BE PREPARED TO DO CPR. INGESTION: GIVE SYRUP OF IPECAC 60CC W/180CC WATER. SKIN: WASH W/WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

========== Fire Fighting Measures ==========

Flash Point Method:TOC
Flash Point:15.5C
Extinguishing Media:DRY CHEMICAL, CO2, ALCOHOL FOAM
Fire Fighting Procedures:IF LARGE AMOUNTS INVOLVED IN FIRE, USE SELF-CONTAINED BREATHING APPARATUS & WET DOWN TO KEEP FROM EXPLODING. USE WATER MIST OR ALCOHOL FOAM.
Unusual Fire/Explosion Hazard:MAY FORM CO, PHOSGENE, & CARBONYL BROMIDE IN FIRE.

========== Accidental Release Measures ==========

Spill Release Procedures:DAM UP & ABSORB. VENTILATE AREA. CALL CLEANUP TEAM. DON'T WASH TO DRAINS.

========== Handling and Storage ==========

Handling and Storage Precautions:AVOID FREEZING, BREAKAGE. STORE AWAY FROM INCOMPATIBLE MATERIALS.
Other Precautions:HANDLE W/CARE. MATERIAL CONTAINS CARCINOGENS.

========== Exposure Controls/Personal Protection ==========

Respiratory Protection:USE ORGANIC VAPOR CARTRIDGE, FULL FACE-PIECE, SELF-CONTAINED OR AIR-SUPPLIED RESPIRATOR
Ventilation:USE IN HOOD
Protective Gloves:VITON OR NEOPRENE
Eye Protection:SPLASH GOGGLES
Other Protective Equipment:LABORATORY COAT, CLOSE SHOES

Supplemental Safety and Health
EACH SAMPLE WILL CONTAIN BETWEEN THREE & EIGHT PESTICIDES & ONE OR TWO AROCLORS.

========== Physical/Chemical Properties ==========

Boiling Pt:B.P. Text:64.5C
Vapor Density:1.11
Spec Gravity:0.792
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR, COLORLESS LIQUID W/ORGANIC ODOR

========== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
CHROMIC ANHYDRIDE, IODINE, ETHANOL, MERCURIC OXIDE, POTASSIUM HYDROXIDE, SODIUM HYDROXIDE, CHLOROFORM, LEAD PERCHLORATE
Hazardous Decomposition Products:CO, PHOSGENE, CARBONYL BROMIDE

========== Disposal Considerations ==========

Waste Disposal Methods:INCINERATE OR DISPOSE AS HAZARDOUS WASTE IN ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS.

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10.1.2 PCBs Material Safety Data Sheet

AEROVOC INC. -- P103F337,POLYCHLORINATED BIPHENYLS (PCBS) -- 5910-00-086-2688

========== Product Identification ==========

Product ID:P103F337,POLYCHLORINATED BIPHENYLS (PCBS)
MSDS Date:10/15/1985
FSC:5910
NIIN:00-086-2688
MSDS Number: BCYGD
=== Responsible Party ===
Company Name:AEROVOC INC.
Address:740 BELLEVILLE AVE
City:NEW BEDFORD
State:MA

ZIP:02745
Country:US
Info Phone Num:508-994-9607
Emergency Phone Num:508-994-9607
Preparer's Name:JOHN H. CRADDOCK
CAGE:KO040
=== Contractor Identification ===
Company Name:AEROVOC INC.
Address:740 BELLEVILLE AVE
Box:City:NEW BEDFORD
State:MA
ZIP:02745
Country:US
Phone:508-994-9607
CAGE:KO040
Company Name:AEROVOX INC.
Address:740 BELLEVILLE AVE
Box:City:NEW BEDFORD
State:MA
ZIP:02745-6010
Country:US
Phone:508-994-9661 / 508-994-9635
CAGE:00656
Company Name:MONSANTO COMPANY
Address:800 N LINDBERGH BLVD
Box:City:SAINT LOUIS
State:MO
ZIP:63167
Country:US
Phone:314-694-6661 OR 800-332-3111
CAGE:76541

========== Composition/Information on Ingredients ==========

Ingred Name:POLYCHLORINATED BIPHENYLS (PCBS) (SARA III)
CAS:1336-36-3
RTECS #:TQ1350000
Fraction by Wt: >99.9%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG/M3 SKIN
ACGIH TLV:0.5 MG/M3 SKIN
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

========== Hazards Identification ==========

LD50 LC50 Mixture:ORAL LD50(RAT);8.65GM/KG(42%CHLORINATED)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYES: IRRITATING. SKIN: DRYING, CRACKING, CHLORACNE. INHALATION: MAY CAUSE LIVER INJURY. INGESTION: SLIGHTLY TOXIC. LD50 ORAL RATS: 8.65 GM/KG FOR 42% CHLORINATED AND 11.9 GM/KG FOR 50% CHLORIN ATED. CHRONIC: TESTS HAVE NOT

DEMONSTRATED CHRONIC HUMAN ILLNESSES SUCH AS CANCER/NEUROLOGICAL/CARDIOVASCULAR EFFECTS.
Explanation of Carcinogenicity:NTP: LISTED AC. ANTICIPATED TO BE CARCINOGENS. IARC: LISTED 2A. PROBABLY CARCINOGENIC TO HUMANS. OSHA; NOT LISTED.
Effects of Overexposure:EYES: IRRITATION. SKIN: DRYING,CHLORACNE. INHALATION: MAY CAUSE LIVER INJURY. INGESTION: SLIGHTLY TOXIC. NUMEROUS EPIDEMIOLOGICAL STUDIES OF HUMANS HAVE NOT DEMONSTRATED ANY STATISTICALLY SIGNIFICANT CAUSAL RELATIONSHIP BETWEEN PCB EXPOSURE AND CHRONIC HUMAN ILLNESSES SUCH AS CANCER/NEUROLOGICAL/CARDIOVASCULAR EFFECTS.
Medical Cond Aggravated by Exposure:PCBS CAN CAUSE DERMATOLOGICAL SYMPTOMS; HOWEVER THESE ARE REVERSIBLE UPON REMOVAL OF EXPOSURE SOURCE.

========== First Aid Measures ==========

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER.PETROLATUM-BASED OPHTHALMIC OINTMENT MAY BE APPLIED FOR IRRITATION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. HOT PCBS MAY CAUSE BURNS. INHALATION: MOVE TO FRESH AIR.IF IRRITATION PERSISTS,GET MEDICAL ATTENTION. INGESTION: GET MEDICAL ATTENTION.DO NOT INDUCE VOMITING OR GIVE OILY LAXITIVES.FOR LARGE AMOUNTS GASTRIC LAVAGE SUGGESTED.

========== Fire Fighting Measures ==========

Flash Point:383F,195C
Extinguishing Media:NONE SPECIFIED BY MANUFACTURER.
Fire Fighting Procedures:STANDARD FIRE FIGHTING WEARING APPAREL AND SCAB SHOULD BE WORN WHEN FIGHTING FIRES INVOLVING FIRES INVOLVING EXPOSURE TO CHEMICAL COMBUSTION PRODUCTS.
Unusual Fire/Explosion Hazard:AT TEMPERATURE IN RANGE OF 600-650C IN PRESENCE OF EXCESS OXYGEN PCBS MAY FORM POLYCHLORINATED DIBENZOFURANS (PCDFS).

========== Accidental Release Measures ==========

Spill Release Procedures:VENTILATE AREA. PREVENT LOSS TO SEWER SYSTEMS, NAVIGABLE WATERWAYS AND STREAMS. CONTAIN SPILL WITH DIKE. PUMP LIQUID TO SUITABLE WASTE CONTAINER. ABSORB RESIDUAL SPILL WITH ABSORBENTS SUCH AS SAND, VE RMICULITE. ISOLATE AREA AND NOTIFY AUTHORITIES.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

========== Handling and Storage ==========

Handling and Storage Precautions:STORAGE MUST FOLLOW RCRA REQUIREMENTS. AVOID PROLONGED BREATHING OF VAPORS OR MISTS. AVOID CONTACT WITH EYES OR PROLONGED CONTACT WITH SKIN.
Other Precautions:FEDERAL REGULATIONS UNDER THE TOXIC SUBSTANCES CONTROL ACT REQUIRE PCBS AND PCB ITEMS TO BE MARKED. CHECK FEDERAL REGULATIONS FOR DETAILS.

========== Exposure Controls/Personal Protection ==========

Respiratory Protection:USE NIOSH/MSHA APPROVED EQUIPMENT WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED. FULL FACEPIECE EQUIPMENT RECOMMENDED. HIGH AIRBORNE CONCENTRATIONS MAY REQUIRE USE OF SCBA OR SUPPLIED AIR RESPIRATOR.
Ventilation:RECOMMEND LOCAL MECHANICAL EXHAUST VENTILATION AT SOURCES OF AIR CONTAMINATION SUCH AS OPEN PROCESS EQUIPMENT.
Protective Gloves:WEAR APPROPRIATE PROTECTIVE GLOVES.
Eye Protection:WEAR CHEMICAL SPLASH GOGGLES,FACESHIELD.
Other Protective Equipment:WEAR PROTECTIVE CLOTHING THAT PROVIDE A BARRIER TO PREVENT SKIN CONTACT. PROVIDE EYE WASH STATION AND SAFETY SHOWER.
Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING,DRINKING,SMOKING.LAUNDER CONTAMINATED CLOTHING/PROTECTIVE EQUIPMENT BEFORE REUSE.
Supplemental Safety and Health
IF A PCB TRANSFORMER IS INVOLVED IN A FIRE-RELATED INCIDENT, THE OWNER OF THE TRANSFORMER MAY BE REQUIRED TO REPORT THE INCIDENT. CONSULT AND FOLLOW APPROPRIATE FEDERAL, STATE, AND LOCAL REGULATIONS.

========== Physical/Chemical Properties ==========

HCC:T6
Boiling Pt:B.P. Text:644F,340C
Vapor Pres:0.005
Spec Gravity:1.2-1.6
Appearance and Odor:LIGHT STRAW-COLOR LIQUID,AROMATIC ODOR.

========== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS.
Stability Condition to Avoid:FLAMES, HOT SURFACES.
Hazardous Decomposition Products:DURING FIRES, PCBS MAY PRODUCE BOTH CHLORINATED DIOXINS (PCDDS) AND FURANS (PCDFS).

========== Disposal Considerations ==========

Waste Disposal Methods:DISPOSAL OF PCB AND PCB ITEMS IS REGULATED BY GOVERNMENT. WASTES AND ITEMS CONTAINING PCBS (E.G.,WIPING CLOTHS, ABSORBENT MATERIAL, CLOTHING, ETC.) SHOULD BE PLACED IN PROPER CONTAINERS FOR DISPOSAL B ASED ON LOCAL, STATE AND FEDERAL REGULATIONS.

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particular situation.

10.1.3 Chlorinated Solvent

ELDORADO CHEMICAL COMPANY, INC. -- CHLORINATED SOLVENT ID PR-3500 -- 8010-00-181-7568

========== Product Identification ==========

Product ID:CHLORINATED SOLVENT ID PR-3500
MSDS Date:07/27/1988
FSC:8010
NIIN:00-181-7568
MSDS Number: BHDBS
=== Responsible Party ===
Company Name:ELDORADO CHEMICAL COMPANY, INC.
Address:14350 LOOKOUT ROAD
Box:34837
City:SAN ANTONIO
State:TX
ZIP:78265
Country:US
Info Phone Num:512-653-9323
Emergency Phone Num:1-800-531-1088
Preparer's Name:PAT E. SMITH
CAGE:55208
=== Contractor Identification ===
Company Name:ELDORADO CHEMICAL COMPANY, INC.
Address:14350 LOOKOUT ROAD
Box:34837
City:SAN ANTONIO
State:TX
ZIP:78265-4837
Country:US
Phone:800-531-1088/ 210-653-2060
CAGE:55208

========== Composition/Information on Ingredients ==========

Ingred Name:METHYLENE CHLORIDE (SARA III)
CAS:75-09-2
RTECS #:PA8050000
Fraction by Wt: 50%
OSHA PEL:500 PPM/C,1000; Z2
ACGIH TLV:50 PPM, A2; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:PHENOL
CAS:108-95-2
RTECS #:SJ3325000

Fraction by Wt: 17%
OSHA PEL:5 PPM
ACGIH TLV:5 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:SODIUM CHROMATE
CAS:7775-11-3
Fraction by Wt: 0.8%
ACGIH TLV:.5 PPM
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

========== Hazards Identification ==========

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SKIN CONTACT MAY RESULT IN DERMATITIS.
INHALATION REDUCES OXYGEN IN BLOOD.
Effects of Overexposure:INHALATION: DIZZINESS, NARCOSIS, NAUSEA,
REDUCES OXYGEN IN BLOOD. SKIN CONTACT MAY PRODUCE
DERMATITIS. SKIN ABSORPTION: CONTACT IS PAINFUL. EYE CONTACT:
BURNS EYES IMMEDIATELY

========== First Aid Measures ==========

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN.
SKIN: FLUSH WITH WATERFOR 15 MINUTES, WASH WITH SOAP AND WATER.
INHALATION: REMOVE TO FRESH AIR.

========== Fire Fighting Measures ==========

Autoignition Temp:Autoignition Temp Text:1200F
Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS REQUIRED
Unusual Fire/Explosion Hazard:TOXIC CHLORIDE FUMES MAY BE GENERATED BY
CONTACT WITH FLAME.

========== Accidental Release Measures ==========

Spill Release Procedures:RINSE WITH WATER

========== Exposure Controls/Personal Protection ==========

Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS REQUIRED IF
LIMITS EXCEED.
Ventilation:RESPIRATORY
Protective Gloves:POLYETHYLENE
Eye Protection:FACE SHIELD AND GOGGLES
Other Protective Equipment:RUBBER APRON & BOOTS
Supplemental Safety and Health
NK

========== Physical/Chemical Properties ==========

HCC:T4
Boiling Pt:B.P. Text:120F
Vapor Pres:380 MM
Vapor Density:2.9
Spec Gravity:1.15
pH:9.2
Evaporation Rate & Reference:(WATER = 1) 1
Solubility in Water:PARTIALLY SOLUBLE
Appearance and Odor:THICK YELLOW LIQUID, PHENOL ODOR
Percent Volatiles by Volume:70

========== Stability and Reactivity Data ==========

STRONG ALKALIS, STRONG OXIDIZERS
Hazardous Decomposition Products:HEAT WILL PRODUCE DICHLOROMETHANE FUMES

========== Disposal Considerations ==========

Waste Disposal Methods:CONSULT FEDERAL, STATE, AND LOCAL REGULATORY AGENCIES FOR PROPER DISPOSAL.

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10.1.4 Degreaser Solvent

P-T TECHNOLOGIES, INC. -- DEGREASER SOLVENT -- 7930-01-436-7893

========== Product Identification ==========

Product ID:DEGREASER SOLVENT
MSDS Date:09/23/1997
FSC:7930
NIIN:01-436-7893
MSDS Number: CGNPC
=== Responsible Party ===
Company Name:P-T TECHNOLOGIES, INC.
Address:108 4TH AVE. S.
City:SAFETY HARBOR
State:FL
ZIP:34695
Country:US
Info Phone Num:800-441-7874
Emergency Phone Num:800-441-7874

CAGE:0JVH6
=== Contractor Identification ===
Company Name:P-T TECHNOLOGIES INC
Address:108 4TH AVENUE, SOUTH
Box:City:SAFETY HARBOR
State:FL
ZIP:34695
Country:US
Phone:813-726-4644
CAGE:0JVH6

========== Composition/Information on Ingredients ==========

Ingred Name:ORANGE OIL, TERPENES (NON-HAZARDOUS)
CAS:68647-72-3
Other REC Limits:NONE RECOMMENDED

Ingred Name:PARAFFINIC OILS (NON-HAZARDOUS)
CAS:64771-72-8
Other REC Limits:NONE RECOMMENDED

========== Hazards Identification ==========

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: IRRIT, TEARING, REDNESS. SKIN:
DEFATTING, DRYNESS, DERMATITIS. INHAL: RESPIRATORY TRACT IRRIT,
NAUSEA, DIZZY, HEADACHE. INGEST: ACUTE ORAL TOXICITY, NAUSEA,
VOMIT, GI IRRIT, ASPIRATION INTO LUNGS .

========== First Aid Measures ==========

First Aid:EYE: FLUSH W/WATER FOR 15 MINUTES. SKIN: WASH W/SOAP AND
WATER. INHAL: GET FRESH AIR. INGEST: DONT INDUCE VOMIT. PRODUCT
CONTAINS HYDROCARBONS. IN ALL CASES, GET MED AID.

========== Fire Fighting Measures ==========

Flash Point Method:TCC
Flash Point:144F,62C
Autoignition Temp:Autoignition Temp Text:410F
Lower Limits:1.3
Upper Limits:8.9
Extinguishing Media:CO2, FOAM, DRY CHEMICAL, CLASS B FOR FIRE
PROCEDURES.
Fire Fighting Procedures:COMBUSTIBLE LIQUID, CAN FORM COMBUSTIBLE
MIXTURES AT OR ABOVE FLASH POINT.

========== Accidental Release Measures ==========

Spill Release Procedures:LAND SPILL: REMOVE IGNITS, CONTAIN SPILL,
RECOVER FREE PRODUCTS, ABSORB W/SUITABLE CHEMICAL ABSORBENT FOR
DISPOSAL. WATER SPILL: REMOVE FROM WATER BY SKIMMING, OR USE

SUITABLE ABSORBENT.

========== Handling and Storage ==========

Handling and Storage Precautions:STORAGE TEMPERATURE AMBIENT KEEP AWAY FROM HEAT AND IGNITS. KEEP PRODUCT CONTAINER CLOSED WHEN NOT IN USE.

========== Exposure Controls/Personal Protection ==========

Ventilation:MECHANICAL DILUTION VENTILATION RECOMMENDED IN CONFINED AREAS, HEATED >AMBIENT TEMPERATURES OR IS AGITATED.
Protective Gloves:SOLVENT RESISTANT
Eye Protection:SAFETY GLASSES
Supplemental Safety and Health
NK

========== Physical/Chemical Properties ==========

Boiling Pt:B.P. Text:380 TO 430F
Vapor Pres:<1 @ 20C
Vapor Density:>1 AIR=1
Spec Gravity:0.76
VOC Pounds/Gallon:756
pH:NA
Evaporation Rate & Reference:3.2 N BUAC = 100
Solubility in Water:NON-MISCIBLE
Appearance and Odor:COLORLESS LIQUID, W/CHARACTERISTIC ODOR.
Percent Volatiles by Volume:100

========== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, SMOKE.

========== Disposal Considerations ==========

Waste Disposal Methods:INCINERATE OR BURY IN APPROVED LANDFILL IN ACCORDANCE W/STATE, FEDERAL AND LOCAL REGULATIONS.

========== Other Information ==========

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10.1.5 Tetrachloroethylene

Tetrachloroethylene

ACC# 22900

Section 1 - Chemical Product and Company Identification

MSDS Name: Tetrachloroethylene
Catalog Numbers: C182 20, C182 4, C182-20, C182-4, C18220, C1824, O4586 4, O4586-4, O45864
Synonyms: Ethylene tetrachloride; Tetrachlorethylene; Perchloroethylene; Perchlorethylene
Company Identification:

Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410

For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
127-18-4	Tetrachloroethylene	99.0+	204-825-9

Hazard Symbols: XN N
Risk Phrases: 40 51/53

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear, colorless liquid. Irritant. May cause severe eye and skin irritation with possible burns. May cause central nervous system depression. May cause liver and kidney damage. May cause reproductive and fetal effects. May cause cancer based on animal studies. **Caution!** May cause respiratory tract irritation.
Target Organs: Kidneys, central nervous system, liver.

Potential Health Effects

Eye: Contact with eyes may cause severe irritation, and possible eye burns.
Skin: May cause severe irritation and possible burns.
Ingestion: May cause central nervous system depression, kidney damage, and liver damage. Symptoms may include: headache, excitement, fatigue, nausea, vomiting, stupor, and coma. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Inhalation: Inhalation of vapor may cause respiratory tract irritation. May cause central nervous system effects including vertigo, anxiety, depression, muscle incoordination, and emotional instability.
Chronic: Possible cancer hazard based on tests with laboratory animals. Prolonged or repeated skin contact may cause defatting and dermatitis. May cause respiratory tract cancer. May cause adverse

nervous system effects including muscle tremors and incoordination. May cause liver and kidney damage. May cause reproductive and fetal effects.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid if irritation develops or persists. Wash clothing before reuse. Flush skin with plenty of soap and water.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Containers may explode in the heat of a fire. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.
Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. For small fires, use dry chemical, carbon dioxide, or water spray. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. Cool containers with flooding quantities of water until well after fire is out.
Flash Point: Not applicable.
Autoignition Temperature: Not applicable.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 2; Flammability: 0; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Flush down the spill with a large amount of water. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not reuse this container. Avoid breathing vapors from heated material.

Avoid contact with skin and eyes. Keep container tightly closed. Keep away from flames and other sources of high temperatures that may cause material to form vapors or mists.
Storage: Keep away from heat and flame. Store in a cool, dry place. Keep containers tightly closed.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Tetrachloroethylene	25 ppm TWA; 100 ppm STEL	150 ppm IDLH	100 ppm TWA; 200 ppm Ceiling

OSHA Vacated PELs: Tetrachloroethylene: 25 ppm TWA; 170 mg/m3 TWA
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance: clear, colorless
Odor: sweetish odor
pH: Not available.
Vapor Pressure: 15.8 mm Hg
Vapor Density: 5.2
Evaporation Rate:9 (ether=100)
Viscosity: 0.89 mPa s 20 deg C
Boiling Point: 121 deg C
Freezing/Melting Point:-22.3 deg C
Decomposition Temperature:150 deg C
Solubility: Nearly insoluble in water.
Specific Gravity/Density:1.623
Molecular Formula:C2Cl4
Molecular Weight:165.812

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, excess heat.
Incompatibilities with Other Materials: Strong bases, metals, liquid oxygen, dinitrogen tetroxide.
Hazardous Decomposition Products: Hydrogen chloride, phosgene, carbon monoxide, carbon dioxide.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#:
CAS# 127-18-4: KX3850000
LD50/LC50:
CAS# 127-18-4:
Draize test, rabbit, eye: 162 mg Mild;
Draize test, rabbit, eye: 500 mg/24H Mild;
Draize test, rabbit, skin: 810 mg/24H Severe;
Draize test, rabbit, skin: 500 mg/24H Mild;
Inhalation, mouse: LC50 = 5200 ppm/4H;
Inhalation, rat: LC50 = 34200 mg/m3/8H;
Oral, mouse: LD50 = 8100 mg/kg;
Oral, rat: LD50 = 2629 mg/kg;<BR.

Carcinogenicity:
CAS# 127-18-4:
ACGIH: A3 - Animal Carcinogen
California: carcinogen; initial date 4/1/88
NIOSH: potential occupational carcinogen
NTP: Suspect carcinogen
OSHA: Possible Select carcinogen
IARC: Group 2A carcinogen
Epidemiology: Epidemiologic studies have given inconsistent results. Studi es have shown that tetrachloroethylene has not caused canc er in exposed workers. The studies have serious weakne sses such as mixed exposures. In tests with rats and mice, i t appeared that tissue destruction or peroxisome prolifera tion rather than genetic mechanisms were the cause of the observed increases in normally occurring cancers. The oral mouse TDLo that was tumorigenic was 195 gm/kg/50W-I.
Teratogenicity: Has caused musculoskeletal abnormalities. Has caused morphological transformation at a dose of 97mol/L in a study using rat embryos.
Reproductive Effects: Has caused behavioral, biochemical, and metabolic effects on newborn rats when the mother was exposed to the TCLo of 900 ppm/7H at 7-13 days after conception. A dose of 300 ppm/7H 6-15 days after conception caused post-implantation mortality.
Neurotoxicity: No information available.
Mutagenicity: Not mutagenic in Escherichia coli. No mutagenic effects were seen in rat liver after exposure at 200 ppm for 10 weeks. No chromosome changes were seen in the bone marrow cells of exposed mice.
Other Studies: A case of 'obstructive jaundice' in a 6-week old infant has been attributed to tetrachloroethylene in breast milk.

Section 12 - Ecological Information

Ecotoxicity: Fish: Rainbow trout: LC50 = 5.28 mg/L; 96 Hr.; Static Condition, 12 degrees C Fathead Minnow: LC50 = 18.4 mg/L; 96 Hr.; Flow-through condition Bluegill/Sunfish: LC50 = 12.9 mg/L; 96 Hr.; Static Condition ria: Phytobacterium phosphoreum: EC50 = 120.0 mg/L; 30 minutes; Microtox test No data available.
Environmental: In soil, substance will rapidly evaporate. In water, it will evaporate. In air, it can be expected to exist in the vapor phase.
Physical: No information available.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: CAS# 127-18-4: waste number U210.

Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	TETRACHLOROETHYLENE				TETRACHLOROETHYLENE
Hazard Class:	6.1				6.1
UN Number:	UN1897				UN1897
Packing Group:	III				III

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 127-18-4 is listed on the TSCA inventory.
Health & Safety Reporting List
CAS# 127-18-4: Effective Date: 6/1/87; Sunset Date: 6/1/97
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
SARA

CERCLA Hazardous Substances and corresponding RQs
CAS# 127-18-4: 100 lb final RQ; 45.4 kg final RQ

SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 127-18-4: acute.
Section 313
This material contains Tetrachloroethylene (CAS# 127-18-4, 99 0%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
CAS# 127-18-4 is listed as a hazardous air pollutant (HAP). This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA. CAS# 127-18-4 is listed as a Priority Pollutant under the Clean Water Act. CAS# 127-18-4 is listed as a Toxic Pollutant under the Clean Water Act.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 127-18-4 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.
The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act: WARNING: This product contains Tetrachloroethylene, a chemical known to the state of California to cause cancer. California No Significant Risk Level: CAS# 127-18-4: 14 ug/day NSRL

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols:
XN N
Risk Phrases:
R 40 Limited evidence of a carcinogenic effect.
R 51/53 Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

Safety Phrases:
S 23 Do not inhale gas/fumes/vapour/spray.
S 36/37 Wear suitable protective clothing and gloves.
S 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

WGK (Water Danger/Protection)
CAS# 127-18-4: 3
Canada - DSL/NDSL
CAS# 127-18-4 is listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of D1B, D2A.
Canadian Ingredient Disclosure List
CAS# 127-18-4 is listed on the Canadian Ingredient Disclosure List.
Exposure Limits
CAS# 127-18-4: OEL-ARAB Republic of Egypt:TWA 5 ppm (35 mg/m3);Skin OEL-AUSTRALIA:TWA 50 ppm (335 mg/m3);STEL 150 ppm;CAR OEL-BELGIUM:TWA 50 ppm (339 mg/m3);STEL 200 ppm (1368 mg/m3) OEL-CZECHOSLOVAKIA:TWA 250 mg/m3;STEL 1250 mg/m3 OEL-DENMARK:TWA 30 ppm (200 mg/m3);Skin OEL-FINLAND:TWA 50 ppm (335 mg/m3);STEL 75 ppm (520 mg/m3);Skin OEL-FR

ANCE:TWA 50 ppm (335 mg/m3) OEL-GERMANY:TWA 50 ppm (345 mg/m3);Carcin ogen OEL-HUNGARY:STEL 50 mg/m3;Skin;Carcinogen OEL-JAPAN:TWA 50 ppm (340 mg/m3) OEL-THE NETHERLANDS:TWA 35 ppm (240 mg/m3);Skin OEL-THE PHILIPPINES:TWA 100 ppm (670 mg/m3) OEL-POLAND:TWA 60 mg/m3 OEL-RUSS IA:TWA 50 ppm;STEL 10 mg/m3 OEL-SWEDEN:TWA 10 ppm (70 mg/m3);STEL 25 ppm (170 mg/m3) OEL-SWITZERLAND:TWA 50 ppm (345 mg/m3);STEL 100 ppm;S kin OEL-THAILAND:TWA 100 ppm;STEL 200 ppm OEL-UNITED KINGDOM:TWA 50 ppm (335 mg/m3);STEL 15 ppm OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

Section 16 - Additional Information

MSDS Creation Date: 6/17/1999
Revision #3 Date: 3/18/2003

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

10.1.6 Zinc Material Safety Data Sheet

Section 1 Identification

Product Number:	C2980
Product Name:	Zinc Metal Reagent Grade, Powder (dust)
Trade/Chemical Synonyms	
Formula:	Zn
RTECS:	ZG8600000
C.A.S	CAS# 7740-66-6

Health:	1
Flammability	2
Reactivity	1

Hazard Rating:

Least Slight Moderate High Extreme
0 1 2 3 4

NA = Not Applicable NE = Not Established

Section 2 Component Mixture

Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
☐	Zinc Metal	CAS# 7740-66-6	100%	W/W	OSHA TWA 5 mg/m*f*

Section 3 Hazard Identification (Also see section 11)

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Section 4 First Aid Measures

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: Wash exposed area with soap and water.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconcious person.

Section 5 Fire Fighting Measures

Fire Extinguisher Type:	Smother with dry powder (i.e.: sand, sodium chloride, magnesium oxide).
Fire/Explosion Hazards:	Dust, in moist air can generate sufficient heat to ignite the hydrogen gas released. Metal burns at high tempuratures.
Fire Fighting Procedure:	Avoid water. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Section 6 Accidental Release Measures

Avoid water. Remove all sources of ignition. Ventilate area of leak or spill. Wear respiratory protection. Do not disperse dust into air. Use non-sparking tools to pick up and place in closed dry container.

Section 7 Handling and Storage

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

Section 8 Exposure Controls & Personal Protection

Respiratory Protection:NIOSH/MSHA-approved respirator

Ventilation: Mechanical: ☑ Local Exhaust: ☐

Hand Protection: NIOSH Approved Gloves

Eye Protection: Safety Glasses

Other Protective Equipment: Use safe laboratory handling procedures.

Section 9 Physical and Chemical Properties

Melting Point:	419° C	Specific Gravity	7.14
Boiling Point:	907° C	Percent Volatile by Volume:	N/A
Vapor Pressure:	N/A	Evaporation Rate:	N/A
Vapor Density:	N/A	Evaporation Standard:	
Solubility in Water:	Not soluble	Auto ignition Temperature:	460° C
Appearance and Odor:	Gray, blue matallic powder / no odor	Lower Flamm. Limit in Air:	N/E
Flash Point:	information not available	Upper Flamm. Limit in Air:	N/E

Section 10 Stability and Reactivity Information

Stability: Stable

Conditions to Avoid: Heat and moisture

Materials to Avoid:

Hazardous Decomposition Products:
Hydrogen gas, Zinc oxide fumes

Hazardous Polymerization:Will Not Occur

Condition to Avoid:None known

Section 11 Additional Information

Conditions aggravated/Target organs: Persons with preexisting skin or respiratory disorders may be more susceptible. Acute: Irritation possible to skin, eyes, lungs, mucous membranes, and GI tract. If heated fumes may cause "zinc fume fever". Chronic: None known.

DOT Classification: Zinc Dust, 4.3, UN1436, PG II

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

Revision No:0 Date Entered: 9/1/2005 Approved by: WPF

10.1.7 Magnesium Material Safety Data Sheet

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Section 1 Identification

Product Number:	C2009
Product Name:	Magnesium Laboratory Grade, Turnings
Trade/Chemical Synonyms	
Formula:	Mg
RTECS:	OM2100000
C.A.S	CAS# 7439-95-4

Health:	1
Flammability	2
Reactivity	2

Hazard Rating:

Least Slight Moderate High Extreme

0 1 2 3 4

NA = Not Applicable NE = Not Established

Section 2 Component Mixture

Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
☐	Magnesium	CAS# 7439-95-4	100%	W/W	None established

Section 3 Hazard Identification (Also see section 11)

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Section 4 First Aid Measures

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

Section 5 Fire Fighting Measures

Fire Extinguisher Type: Melting flux/dry sand &/or metal exting pwdr. DO NOT USE WATER!

Fire/Explosion Hazards: Dangerous in the form of dust or flakes. When heated in air to near melting point, may ignite and burn.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Section 6 Accidental Release Measures

Remove all sources of ignition wear protective equipment. Clean up in a manner that doen't disperse dust. Sweep up and containerize for later reclaimation.

Section 7 Handling and Storage

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

Section 8 Exposure Controls & Personal Protection

Respiratory Protection:NIOSH/MSHA-approved respirator

Ventilation:

Mechanical: ☐

Local Exhaust: ☑

Hand Protection: Wear appropriate gloves to prevent skin exposure

Eye Protection: Face Shield and chem worker goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

Section 9 Physical and Chemical Properties

Melting Point:	649 ° C	Specific Gravity	1.74

Boiling Point:	1110° C	Percent Volatile by Volume:	N/A
Vapor Pressure:	1mm@621°	Evaporation Rate:	N/A
Vapor Density:	information not available	Evaporation Standard:	
Solubility in Water:	Not soluble	Auto ignition Temperature:	Not applicable
Appearance and Odor:	Silver solid, odorless	Lower Flamm. Limit in Air:	Not applicable
Flash Point:	Not known	Upper Flamm. Limit in Air:	Not applicable

Section 10 Stability and Reactivity Information

Stability: Stable Conditions to Avoid: Moisture, Incompatible substances

Materials to Avoid:
Oxides, carbonates, cyanides, chlorinated hydrocarbons

Hazardous Decomposition Products:
Fire produces toxic fumes and vapors

Hazardous Polymerization:Will Not Occur

Condition to Avoid:None known

Section 11 Additional Information

Inhalation of dust may irritate respiratory tract and may cause coughing, chest pain, and fever. Ingestion may cause stomach pain and diarrhea. Particles imbedded in the skin may cause eruptions. Molten magnesium may cause serious burns. Conditions aggravated/target organs: Persons with pre-existing eye, skin, or respiratory conditions may be more susceptible.

DOT Classification: Magnesium Turnings, 4.1, UN1869, PG III

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

Revision No:1 Date Entered: 9/1/2005 Approved by: WPF

10.1.8 Copper Material Safety Data Sheet

Section 1 Identification

Product Number:	C1610
Product Name:	Copper Reagent A.C.S., Granular
Trade/Chemical Synonyms	
Formula:	Cu
RTECS:	GL5325000
C.A.S	CAS# 7440-50-8

Health:	1
Flammability	0
Reactivity	0

Hazard Rating:

Least Slight Moderate High Extreme
0 1 2 3 4

NA = Not Applicable NE = Not Established

Section 2 Component Mixture

Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
	Copper	CAS# 7440-50-8	100%	W/W	OSHA TWA 1 mg (Cu)/m*f* (dust, mist)

Section 3 Hazard Identification (Also see section 11)

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

Section 4 First Aid Measures

Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but it is not necessary to induce. Never give anything by mouth to an unconscious person.

Section 5 Fire Fighting Measures

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire/Explosion Hazards: None Known.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Section 6 Accidental Release Measures

Sweep up and place in suitable (fiberboard) containers for reclamation or later disposal.

Section 7 Handling and Storage

Store in a cool dry place. This Material is not considered hazardous. Handle using safe laboratory practices.

Section 8 Exposure Controls & Personal Protection

Respiratory Protection:None required

Ventilation: Mechanical: ☐ Local Exhaust: ☑

Hand Protection: Wear appropriate gloves to prevent skin exposure

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

Section 9 Physical and Chemical Properties

Melting Point:	1083°C	Specific Gravity	8.94
Boiling Point:	2595°C	Percent Volatile by Volume:	N/A
Vapor Pressure:	1 mm Hg @1628°C	Evaporation Rate:	N/A
Vapor Density:	N/A	Evaporation Standard:	
Solubility in Water:	Insoluble	Auto ignition Temperature:	Not applicable
Appearance and Odor:	Reddish, lusterous metal	Lower Flamm. Limit in Air:	Not applicable
Flash Point:	N/A	Upper Flamm. Limit in Air:	Not applicable

Section 10 Stability and Reactivity Information

Stability: Stable Conditions to Avoid: Avoid contact with incompatible materials.

Materials to Avoid:
Acetylene, magnesium metal (as copper dust)

Hazardous Decomposition Products:
None

Hazardous Polymerization:Will Not Occur

Condition to Avoid:None known

Section 11 Additional Information

Can irritate eyes, mucous membranes, and pharynx. Can cause nausea, ulcer perforation, metal taste and dermatitis. Conditions aggravated/target organs: Persons with pre-existing eye, skin, or respiratory conditions may be more susceptible

DOT Classification: Not Regulated

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

Revision No:0.1 Date Entered: 9/1/2005 Approved by: WPF

10.1.9 Cadmium Material Safety Data Sheet

Section 1 Identification

Product Number:	C1407
Product Name:	Cadmium Chloride Reagent A.C.S., Crystal
Trade/Chemical Synonyms	
Formula:	CdCl'½2 1/2 H'O
RTECS:	EV0178000
C.A.S	CAS# 7790-78-5

Health:	2
Flammability	0
Reactivity	0

Hazard Rating:

Least Slight Moderate High Extreme

0 1 2 3 4

NA = Not Applicable NE = Not Established

Section 2 Component Mixture

Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
☐	Cadmium Chloride	CAS# 7790-78-5	100%	W/W	OSHA TWA 0.2 mg/mƒ (Cd)

Section 3 Hazard Identification (Also see section 11)

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

Section 4 First Aid Measures

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

Section 5 Fire Fighting Measures

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire/Explosion Hazards: Thermal decomposition produces highly toxic fumes.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Section 6 Accidental Release Measures

Evacuate area. Wear self-contained breathing apparatus and protective clothing. Eliminate all sources of ignition.

Section 7 Handling and Storage

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

Section 8 Exposure Controls & Personal Protection

Respiratory Protection:NIOSH/MSHA-approved respirator

Ventilation:

Mechanical: ☑

Local Exhaust: ☑

Hand Protection: NIOSH Approved Gloves

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

Section 9 Physical and Chemical Properties

Melting Point:	568° C	Specific Gravity	Informaiton not available
Boiling Point:	960° C	Percent Volatile by Volume:	0
Vapor Pressure:	10mm @ 656°C	Evaporation Rate:	0
Vapor Density:	Information not available	Evaporation Standard:	
Solubility in Water:	Soluble	Auto ignition Temperature:	Not applicable
Appearance and Odor:	Colorless crystals , odorless	Lower Flamm. Limit in Air:	Not applicable
Flash Point:	N/A	Upper Flamm. Limit in Air:	Not applicable

Section 10 Stability and Reactivity Information

Stability: Stable Conditions to Avoid: None known

Materials to Avoid:
Oxidizing agents

Hazardous Decomposition Products:
None

Hazardous Polymerization:Will Not Occur

Condition to Avoid:None known

Section 11 Additional Information

Effects of overexposure.Acute: Material is irritating to mucous membranes and upper respiratory tract. Chronic: Carcinogen. May cause congenital malformation in the fetus. Exposure can cause damage to the kidneys and lungs.

DOT Classification: Cadmium Compound, 6.1, UN2570, PG II Marine Pollutant

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

Revision No:0 Date Entered: 9/1/2005 Approved by: WPF

10.1.10 Diesel Engine Oil Material Safety Data Sheet

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: N9000 DIESEL ENGINE OIL
SUPPLIER: EXXON MOBIL CORPORATION
3225 GALLOWS RD.
FAIRFAX, VA 22037
24 - Hour Health and Safety Emergency (call collect): 609-737-4411
24 - Hour Transportation Emergency (Primary) CHEMTREC: 800-424-9300
(Secondary) 281-834-3296
Product and Technical Information: 800-443-9966
MSDS Fax on Demand: 613-228-1467, other MSDS information: 856-224-4644

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2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: BASE OIL AND ADDITIVES
GLOBALLY REPORTABLE MSDS INGREDIENTS:

Substance Name	Approx. Wt%
CALCIUM ALKYLENE PHENATE SULFIDE CARBONATE (OVERBASED) (122384-87-6)	1-5
CALCIUM LONG-CHAIN ALKARYL	1-5

SULFONATES (LOW OVERBASED)
(156619-82-8)

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3. HAZARDS IDENTIFICATION

Under normal conditions of use, this product is not considered hazardous according to regulatory guidelines (See section 15).
EMERGENCY OVERVIEW: Clear Dark Amber Liquid. DOT ERG No. : NA
POTENTIAL HEALTH EFFECTS: Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation.
For further health effects/toxicological data, see Section 11.

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4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.
SKIN CONTACT: Wash contact areas with soap and water. Remove and clean oil soaked clothing daily and wash affected area. (See Section 16 - Injection Injury)
INHALATION: Not expected to be a problem. However, if respiratory irritation, dizziness, nausea, or unconsciousness occurs due to excessive vapor or mist exposure, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or mouth-to-mouth resuscitation.
INGESTION: Not expected to be a problem. Seek medical attention if discomfort occurs. Do not induce vomiting.

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5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None.
COMBUSTION PRODUCTS: Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.
Flash Point C(F): 204(400) (ASTM D-92).
Flammable Limits (approx.% vol.in air) - LEL: 0.9%, UEL: 7.0%
NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

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6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills/releases as required to appropriate authorities. U.S. Coast Guard and EPA regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks. Report spill/release to Coast Guard National Response Center toll free number (800)424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:
LAND SPILL: Shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of adsorbed residues as directed in Section 13.
WATER SPILL: Confine the spill immediately with booms. Warn other ships in the vicinity. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. If permitted by regulatory authorities the use of suitable dispersants should be considered where recommended in local oil spill procedures.
ENVIRONMENTAL PRECAUTIONS: Prevent material from entering sewers, water sources or low lying areas; advise the relevant authorities if it has, or if it contaminates soil/vegetation.
PERSONAL PRECAUTIONS: See Section 8

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7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.
STORAGE: Keep containers closed when not in use. Do not store in open or unlabelled containers. Store away from strong oxidizing agents and combustible materials. Do not store near heat, sparks, flame or strong oxidants.
SPECIAL PRECAUTIONS: Prevent small spills and leakages to avoid slip hazard.
EMPTY CONTAINER WARNING: Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:
When mists/aerosols can occur, the following are recommended: 5 mg/m3 (as oil mist)- ACGIH Threshold Limit Value (TLV), 10 mg/m3 (as oil mist) - ACGIH Short Term Exposure Limit (STEL), 5 mg/m3 (as oil mist) - OSHA Permissible Exposure Limit (PEL)
VENTILATION: If mists are generated, use adequate ventilation, local exhaust or enclosures to control below exposure limits.
RESPIRATORY PROTECTION: If mists are generated, and/or when ventilation is not adequate, wear approved respirator.
EYE PROTECTION: If eye contact is likely, safety glasses with side shields or chemical type goggles should be worn.
SKIN PROTECTION: Not normally required. When splashing or liquid contact can occur frequently, wear oil resistant gloves and/or other protective clothing. Good personal hygiene practices

should always be followed.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.
APPEARANCE: Liquid
COLOR: Clear Dark Amber
ODOR: Mild
ODOR THRESHOLD-ppm: NE
pH: NA
BOILING POINT C(F): > 391(735)
MELTING POINT C(F): NA
FLASH POINT C(F): 204(400) (ASTM D-92)
FLAMMABILITY (solids): NE
AUTO FLAMMABILITY C(F): NA
EXPLOSIVE PROPERTIES: NA
OXIDIZING PROPERTIES: NA
VAPOR PRESSURE-mmHg 20 C: NE
VAPOR DENSITY: NE
EVAPORATION RATE: NE
RELATIVE DENSITY, 15/4 C: 0.89
SOLUBILITY IN WATER: Negligible
PARTITION COEFFICIENT: > 3.5
VISCOSITY AT 40 C, cSt: > 100.0
VISCOSITY AT 100 C, cSt: > 10.0
POUR POINT C(F): -12(10)
FREEZING POINT C(F): NE
VOLATILE ORGANIC COMPOUND: NE
DMSO EXTRACT, IP-346 (WT.%): <3, for mineral oil only
NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES
FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

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10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.
CONDITIONS TO AVOID: Extreme heat and high energy sources of ignition.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at ambient temperatures.
HAZARDOUS POLYMERIZATION: Will not occur.

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11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---
ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.
INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components.

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.
SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.
OTHER ACUTE TOXICITY DATA: Although an acute inhalation study was not performed with this product, a variety of mineral and synthetic oils, such as those in this product, have been tested. These samples had virtually no effect other than a nonspecific inflammatory response in the lung to the aerosolized mineral oil. The presence of additives in other tested formulations (in approximately the same amounts as in the present formulation) did not alter the observed effects.

---SUBCHRONIC TOXICOLOGY (SUMMARY)---

No significant adverse effects were found in studies using repeated dermal applications of similar formulations to the skin of laboratory animals for 13 weeks at doses significantly higher than those expected during normal industrial exposure. The animals were evaluated extensively for effects of exposure (hematology, serum chemistry, urinalysis, organ weights, microscopic examination of tissues etc.).

---REPRODUCTIVE TOXICOLOGY (SUMMARY)---

No teratogenic effects would be expected from dermal exposure, based on laboratory developmental toxicity studies of major components in this formulation and/or materials of similar composition.

---CHRONIC TOXICOLOGY (SUMMARY)---

Repeated and/or prolonged exposure may cause irritation to the skin, eyes or respiratory tract. Overexposure to oil mist may result in oil droplet deposition and/or granuloma formation. For mineral base oils: Base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as Modified Ames Test, IP-346, and/or other analytical methods. For synthetic base oils: The base oils in this product have been tested in the Ames assay and other tests of mutagenicity with negative results. These base oils are not expected to be carcinogenic with chronic dermal exposures.

---SENSITIZATION (SUMMARY)---

Not expected to be sensitizing based on tests of this product, components, or similar products.

---OTHER TOXICOLOGY DATA---

Used gasoline engine oils have shown evidence of skin carcinogenic activity in laboratory tests when no effort was made to wash the oil off between applications. Used oil from diesel engines did not produce this effect.

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12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS: This product is expected to be inherently biodegradable. Bioaccumulation is unlikely due to the very low water solubility of this product, therefore bioavailability to aquatic organisms is minimal. Available ectoxicity data (LL50 >1000 mg/L) indicates that adverse effects to aquatic organisms are not expected from this product.

When released into the environment, adsorption to sediment and soil will be the predominant behavior.

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13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity. The unused product is not formulated with substances covered by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

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14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT.
RID/ADR: NOT REGULATED BY RID/ADR.
IMO: NOT REGULATED BY IMO.
IATA: NOT REGULATED BY IATA.
STATIC ACCUMULATOR (50 picosiemens or less): YES

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15. REGULATORY INFORMATION

US OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this product is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

EU Labeling: Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives. EU labeling not required.

Governmental Inventory Status: All components comply with TSCA.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".
SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

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16. OTHER INFORMATION

USE: COMMERCIAL ENGINE OIL
NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN PCBS.
Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for other applications. In any case, the following advice should be

considered:
INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.
INDUSTRIAL LABEL
Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. First Aid: Wash skin with soap and water. Flush eyes with water. If overcome by fumes or vapor, remove to fresh air. If ingested do not induce vomiting. If symptoms persist seek medical assistance. Read and understand the MSDS before using this product.
****
For Internal Use Only: MHC: 1* 1* 1* 1* 1*, MPPEC: A, TRN: 7312229-00, CMCS97: 97P835, REQ: PS+C, SAFE USE: L
EHS Approval Date: 30SEP2001
****

10.1.11 Lead-Free Gasoline; No-lead Gasoline – Gasoline, Unleaded Material Safety Data Sheet

NSN: 9130012084172
Manufacturer's CAGE: 8P539
Part No. Indicator: A
Part Number/Trade Name: LEAD-FREE GASOLINE; NO-LEAD GASOLINE
==========
General Information
==========
Item Name: GASOLINE,UNLEADED

Date MSDS Prepared: 23FEB90
Safety Data Review Date: 21OCT94
Supply Item Manager: KY
MSDS Serial Number: BVHJT
Specification Number: VV-G-1690
Spec Type, Grade, Class: CIVGAS
Hazard Characteristic Code: F2
Unit Of Issue: DR
Unit Of Issue Container Qty: 55 GALLONS
Type Of Container: DRUM, 18 GAGE
Net Unit Weight: 325.2 LBS
==========
Ingredients/Identity Information
==========
Proprietary: NO
Ingredient: HYDROCARBONS, AROMATIC
Ingredient Sequence Number: 01
Percent: 15-35
NIOSH (RTECS) Number: 1008732HA
OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: SATURATED HYDROCARBONS
Ingredient Sequence Number: 02
Percent: 60-75
NIOSH (RTECS) Number: 1006886SH
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: UNSATURATED HYDROCARBONS
Ingredient Sequence Number: 03
Percent: 1-15
NIOSH (RTECS) Number: 1006887UH
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: DYE AND OTHER ADDITIVES
Ingredient Sequence Number: 04
Percent: 0.02
NIOSH (RTECS) Number: 1003746AD
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED
==========
Physical/Chemical Characteristics
==========
Appearance And Odor: BLUE OR CLEAR, TYPICAL HYDROCARBON ODOR.
Boiling Point: 90.0F,32.2C
Vapor Pressure (MM Hg/70 F): 414 @100C
Vapor Density (Air=1): 3-4
Specific Gravity: 0.71-0.77
Solubility In Water: NEGLIGIBLE.
==========
Fire and Explosion Hazard Data
==========
Flash Point: -50F,-46C
Flash Point Method: TCC
Lower Explosive Limit: 1.3
Upper Explosive Limit: 6
Extinguishing Media: ANY UL APPROVED CLASS B MEDIA SUCH AS FOAM, CARBON DIOXIDE, DRY CHEMICAL.
Special Fire Fighting Proc: NONE SPECIFIED BY MFG; HOWEVER USE APPROPRIATE PROTECTIVE EQPMT INCLUDING SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire And Expl Hazrds: NONE SPECIFIED BY MFG; HOWEVER MATL IS HEAVIER THAN AIR AND WILL TRAVEL LONG DISTANCES & FLASHBACK. EXPLOSIVE MIXTURE FORMS W/GASOLINE & AIR.
==========

Reactivity Data

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Stability: YES
Cond To Avoid (Stability): NONE SPECIFIED BY MFG; HOWEVER AVOID OPEN FLAMES/HEAT/SPARKS/OTHER IGNITION SOURCES.
Materials To Avoid: OXIDIZERS.
Hazardous Decomp Products: NONE SPECIFIED BY MFG.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT.

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Health Hazard Data

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LD50-LC50 Mixture: UNKNOWN
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: ACUTE:EYE:IRRIT @ HIGH VAP LEVELS OR DIRECT CONTACT W/FLUID. SKIN:IRRIT ON PROLONG CONTACT W/LIQ, DERM RESULTING FROM DEFATTING NATURE OF LIQ. SYSTEMATIC:CNS EFFECTS (NARCOSIS) @ HIGH VAP LEVELS; MUC MEMBRANE IRRIT, PNEUMONIA. INGEST:GASTROINTESTINAL DISTRUBANCES. CHRONIC:PERIPERAL NERVOUS SY EFFECTS, BLOOD ALTERATIONS
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: YES
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: PER MSDS:NONE STATED; HOWEVER CONTAINS GASOLINE WHICH IS CONSIDERED BY IARC TO BE POTENTIAL CARCINOGEN.
Signs/Symptoms Of Overexp: EYE & SKIN IRRITATION. DERMATITIS. NARCOSIS. GI DISTURBANCES:NAUSEA, DIARRHEA, STOMACH PAINS.
Med Cond Aggravated By Exp: NONE SPECIFIED BY MFG.
THOROUGHLY WASH AREA W/SOAP & WATER. INHAL:REMOVE FROM CONTAMINATED AREA. ADMINISTER ARTIFICIAL RESP IF NECESSARY. CALL PHYSICIAN. INGEST:GIVE A VEGETABLE OIL TO RETARD ABSORPTION. DO NOT INDUCE VOMITING. CALL PHYSICIAN. FATAL DOSE ADULT HUMAN APPROX 350G, CHILD APPROX 10-13G.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: KEEP PUBLIC AWAY. SHUT OFF SOURCE W/O RISK. ADVISE POLICE & NAT RESP CENTER 800-424-8802 IF SUBSTANCE HAS ENTERED A WATER COURSE OR SEWER. CONTAIN LIQ W/EARTH, SAND. RECOVER FREE LIQ BY PPUMPING OR W/SUITABLE ABSORBENT.
Neutralizing Agent: NONE SPECIFIED BY MFG.
Waste Disposal Method: UNDER MANY SPILL SITUATIONS LIQ CAN BE RECOVERED & RECLAIMED. WHERE SOLID ABSORBENTS ARE USED THEY SHOULD BE INCINERATED PER APPLICABLE STATE & LOCAL REGULATIONS.
Precautions-Handling/Storing: USE APPROPRIATE GROUNDING-DISPENSING PROCEDURES. STORE IN RELATIVELY COOL PLACE. DO NOT EXPOSE TO HEAT, OPEN FLAME OR OXIDANTS.
Other Precautions: NONE SPECIFIED BY MFG.

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Control Measures

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Respiratory Protection: FOR EXPOSURES IN EXCESS OF EXPOSURE LIMITS CHEMICAL CARTRIDGE RESPIRATOR OR AIR SUPPLIED EQUIPMENT.

Ventilation: LOCAL EXHAUST REQUIRED & EXPLOSION PROOF EQUIPMENT.
Protective Gloves: IMPERMEABLE GLOVES.
Eye Protection: NONE SPECIFIED HOWEVER SAF GLASSES/GOGG
Other Protective Equipment: NONE SPEICFIED BY MFG.
Work Hygienic Practices: WASH HANDS AFTER HANDLING & PRIOR TO EAT/DRINK/
SMOKE/USE OF TOILET FACILITIES. FOLLOW GOD WORK HYGIENE PRACTICES.
==========
Transportation Data
==========
Trans Data Review Date: 94294
DOT PSN Code: GTN
DOT Proper Shipping Name: GASOLINE
DOT Class: 3
DOT ID Number: UN1203
DOT Pack Group: II
DOT Label: FLAMMABLE LIQUID
IMO PSN Code: HRV
IMO Proper Shipping Name: GASOLINE
IMO Regulations Page Number: 3141
IMO UN Number: 1203
IMO UN Class: 3.1
IMO Subsidiary Risk Label: -
IATA PSN Code: MUC
IATA UN ID Number: 1203
IATA Proper Shipping Name: GASOLINE
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
AFI PSN Code: MUC
====
Label Required: YES
Technical Review Date: 21OCT94
Label Status: F
Common Name: LEAD-FREE GASOLINE; NO-LEAD GASOLINE
Signal Word: DANGER!
Acute Health Hazard-Moderate: X
Contact Hazard-Moderate: X
Fire Hazard-Severe: X
Reactivity Hazard-None: X
Special Hazard Precautions: ACUTE:EYE:IRRIT @ HIGH VAP LEVELS OR DIRECT
CONTACT W/FLUID. SKIN:IRRIT ON PROLONG CONTACT W/LIQ, DERM RESULTING FROM
DEFATTING NATURE OF LIQ. SYSTEMATIC:CNS EFFECTS (NARCOSIS) @ HIGH VAP
LEVELS; MUC MEMBRANE IRRIT, PNEUMONIA. INGEST:GASTROINTESTINAL
DISTRUBANCES. CHRONIC:PERIPERAL NERVOUS SYS EFFECTS, BLOOD ALTERATIONS.
1STAID:EYE:FLUSH FOR @ LEAST 15MINS W/WATER. SKIN:THOROUGHLY WASH AREA W/
SOAP & WATER. INHAL:REMOVE FROM CONTAMINATED AREA. ADMINISTER ARTIFICIAL
RESP IF NECESSARY. CALL PHYSICIAN. INGEST:GIVE A VEGETABLE OIL TO RETARD
ABSORPTION. DO NOT INDUCE VOMITING. CALL PHYSICIAN. FATAL DOSE ADULT HUMAN
APPROX 350G, CHILD APPROX 10-13G.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: BELL FUELS, INC
Label Street: 4116 WEST PATERSON AVE

Label City: CHICAGO
Label State: IL
Label Zip Code: 60646
Label Country: US
Label Emergency Number: 312-286-0200

10.1.12 Lead Material Safety Data Sheet

SECTION 1. GENERAL INFORMATION

FREE ELMENTAL LEAD; LEAD SALTS

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient	Approximate Percent by Weight	C.A.S. Number	Occupational Exposure Limits (OELs)		LD_{50}/LC_{50} Species and Route
Lead	99+%	7439-92-1	OSHA PEL	0.05mg/m^3	No Data
			ACGIH TLV	0.05mg/m^3	
			NIOSH REL	<0.10mg/m^3	

NOTE: OELs for individual jurisdictions may differ from OSHA PELs. Check with local authorities for the applicable OELs in your jurisdiction. OSHA - Occupational Safety and Health Administration; ACGIH - American Conference of Governmental Industrial Hygienists; NIOSH - National Institute for Occupational Safety and Health. OEL – Occupational Exposure Limit, PEL – Permissible Exposure Limit, TLV – Threshold Limit Value, REL – Recommended Exposure Limit.

Trade Names and Synonyms: Lead; Pb; Plumbum; Metallic Lead; Inorganic Lead; ASTM B29; TADANAC Lead, Low-Alpha Lead.

SECTION 3. HAZARDS IDENTIFICATION

Emergency Overview: A bluish-white to silvery-grey heavy, soft metal that does not burn in bulk. Finely-divided lead dust clouds are a moderate fire hazard and moderate explosion hazard, however. When heated in air highly toxic lead oxide fumes can be generated. Inhalation or ingestion of lead may produce both acute and chronic health effects. Possible cancer and reproductive hazard. SCBA and full protective clothing required for fire emergency response personnel.

Potential Health Effects: Inhalation or ingestion of lead dust or fumes may result in headache, nausea, vomiting, abdominal spasms, fatigue, sleep disturbances, weight loss, anemia and leg, arm, and joint pain. Prolonged exposure may also cause central nervous system damage (e.g., fatigue, headaches, tremors, hypertension), gastrointestinal disturbances, anemia, kidney dysfunction and possible reproductive effects. Pregnant women should be protected from excessive exposure to prevent lead crossing the placental barrier and causing infant neurological disorders. Lead is classified as an A3 Carcinogen by the ACGIH and as a 2B Carcinogen by IARC. (see Toxicological Information, Section 11)

Potential Environmental Effects: Lead metal has low bioavailability but its compounds can be hazardous in the environment at low concentrations. They can be particularly toxic in the aquatic environment. Lead bioaccumulates in plants and animals in both the aquatic and terrestrial environments. (see Ecological Information, Section 12)

EU Risk Phrase(s): R61 - May cause harm to unborn child; R62 - Possible risk of impaired fertility; R20/22 - Harmful by inhalation and if swallowed; R33 - Danger of cumulative effects.

SECTION 4. FIRST AID MEASURES

Eye Contact: Flush with warm, running water, including under the eyelids, to remove dust particle(s). If irritation persists seek medical attention.

Skin Contact: *Dust:* Remove contaminated clothing and wash affected area with soap and warm water. Launder contaminated clothing before reuse. Seek medical attention if irritation develops or persists. *Molten Metal:* Flush contact area to solidify and cool but do not attempt to remove encrusted material or clothing. Cover burns and seek medical attention immediately.

Inhalation: Remove victim from exposure area to fresh air immediately. If breathing has stopped, give artificial respiration. Keep affected person warm and at rest. Medical oxygen may be administered, if available, where breathing is difficult. Seek immediate medical attention.

Ingestion: If victim is conscious and can swallow, dilute stomach contents with 2-4 cupfuls of water or milk. Do not induce vomiting. Seek medical attention and bring a copy of this MSDS. Never give anything by mouth to an unconscious person.

SECTION 5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Massive metal is not flammable or combustible. Finely-divided lead dust or powder is a moderate fire hazard and moderate explosion hazard when dispersed in the air at high concentrations and exposed to heat, flame, or incandescents. Explosions may also occur upon contact with certain incompatible materials (see Stability and Reactivity, Section 10).

Extinguishing Media: Use any means of extinction appropriate for surrounding fire conditions such as water spray, carbon dioxide, dry chemical, or foam.

Fire Fighting: If possible, move material from fire area and cool material exposed to flame. Highly toxic lead oxide fumes may evolve in fires. Fire fighters must be fully trained and wear full protective clothing including an approved, self-contained breathing apparatus which supplies a positive air pressure within a full face-piece mask.

Flashpoint and Method: Not Applicable.

Upper and Lower Flammable Limit: Not Applicable.

Autoignition Temperature: Not Applicable.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Procedures for Cleanup: Control source of spillage if possible to do so safely. Restrict access to the area until completion of clean-up. Clean up spilled material immediately, observing precautions in Section 8, Personal Protection. Molten metal should be allowed to solidify before cleanup. If solid metal, wear gloves, pick up and return to process. If dust, wear recommended personal protective equipment (see Section 8) and use methods which will minimize dust generation (e.g., vacuum solids). Return uncontaminated spilled material to the process if possible. Place contaminated material in suitable labeled containers for recovery or disposal. Treat or dispose of waste material in accordance with all local, regional, and national requirements.

Personal Precautions: Persons responding to an accidental release should wear protective clothing, gloves and a respirator (see also Section 8). Close-fitting safety goggles may be necessary in some circumstances to prevent eye contact with dust and fume. Where molten metal is involved, wear heat-resistant gloves and suitable clothing for protection from hot-metal splash as well as a respirator to protect against inhalation of lead fume. Workers should wash and change clothing following cleanup of a lead spill to prevent personal contamination with lead dust.

Environmental Precautions: Lead metal has limited bioavailability but its compounds can pose a severe threat to the aquatic and terrestrial environments. Contamination of water and soil should be prevented.

SECTION 7. HANDLING AND STORAGE

Store in a dry, covered area away from incompatible materials, strong acids and food or feedstuffs. Solid metal suspected of containing moisture should be THOROUGHLY DRIED before being added to a molten bath. Otherwise, entrained moisture

could expand explosively and spatter molten metal out of the bath. Always practice good personal hygiene. Refrain from eating, drinking, or smoking in work areas. Thoroughly wash hands before eating, drinking, or smoking in appropriate, designated areas as well as at the end of the workday. No special packaging materials are required.

EU Safety Phrase(s): S53 - Avoid exposure - obtain special instructions before use; S45 – In case of accident, or if you feel unwell, seek medical advice immediately (show label where possible).

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective Clothing: Gloves and coveralls or other work clothing are recommended to prevent prolonged or repeated direct skin contact when lead is processed. Appropriate eye protection should be worn where fume or dust is generated. Where hot or molten metal is handled, heat resistant gloves, goggles or face shield, and clothing to protect from hot metal splash should be worn. Safety type boots are recommended.

Do not eat, drink or smoke in work areas. Thoroughly wash hands before eating, drinking, or smoking in appropriate, designated areas as well as at the end of the workday. A double locker-shower system with separate clean and dirty sides is usually required for lead handling operations. Remove contaminated clothing promptly and discard or launder before reuse. Inform laundry personnel of contaminants' hazards.

Ventilation: Use adequate local or general ventilation to maintain the concentration of lead fumes in the working environment well below recommended occupational exposure limits. Supply sufficient replacement air to make up for air removed by the exhaust system. Local exhaust is recommended for melting, casting, grinding, burning, and use of powders.

Respirators: Where lead dust or fumes are generated and cannot be controlled to within acceptable levels by engineering means, use appropriate NIOSH-approved respiratory protection equipment (a 42CFR84 Class N, R or P-100 particulate filter cartridge). When exposure levels are unknown, a self-contained breathing apparatus which supplies a positive air pressure within a full face-piece mask should be worn.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Malleable, bluish-white or silvery-grey metal	**Odour:** None	**Physical State:** Solid	**pH:** Not Applicable
Vapour Pressure: 1.3 mm Hg at 970°C (negligible @ 20°C)	**Vapour Density:** Not Applicable	**Boiling Point/Range:** 1,740°C	**Freezing/Melting Point/Range:** 328°C
Specific Gravity: 11.34	**Evaporation Rate:** Not Applicable	**Coefficient of Water/Oil Distribution:** Not Applicable	**Odour Threshold:** None
Solubility: Insoluble in water			

SECTION 10. STABILITY AND REACTIVITY

Stability & Reactivity: Massive metal is stable under normal temperatures and pressures. Fresh cut or cast lead surfaces tarnish rapidly due to the formation of an insoluble protective layer of basic lead carbonate.

Incompatibilities: Lead reacts vigorously with strong oxidizers, such as hydrogen peroxide and chlorine trifluoride, and active metals, such as sodium and potassium. Powdered lead metal in contact with disodium acetylide, chlorine trifluoride, sodium carbide or fused ammonium nitrate poses a risk of explosion. Solutions of sodium azide in contact with lead metal can form lead azide, which is a detonating compound. A lead-zirconium alloy (10-70% Zr) will ignite when struck with a hammer.

Hazardous Decomposition Products: High temperature operations such as oxy-acetylene cutting, electric arc welding or overheating a molten bath will generate highly toxic lead oxide fume. Lead oxide is highly soluble in body fluids and the particle size of the metal fumes is largely within the respirable size range, which increases the likelihood of inhalation and deposition of the fume within the body.

SECTION 11. TOXICOLOGICAL INFORMATION

General: Lead accumulates in bone and body organs once it enters the body. Elimination from the body is slow. Initial and periodic medical examinations are advised for persons repeatedly exposed to levels above the exposure limits of lead dust or

fumes. Once lead enters the body, it can affect a variety of organ systems, including the nervous system, kidneys, reproductive system, blood formation, and gastrointestinal system. The primary routes of exposure to lead are inhalation or ingestion of dust and fumes.

Acute:
Skin/Eye: Contact with dust or fume may cause local irritation but would not cause tissue damage.

Inhalation: Exposure to lead dust or fume may cause headache, nausea, vomiting, abdominal spasms, fatigue, sleep disturbances, weight loss, anemia, and pain in legs, arms, and joints. An acute, short-term dose of lead could cause acute encephalopathy with seizures, coma, and death. However, short-term exposure of this magnitude is rare. Kidney damage, as well as anemia, can occur from acute exposure.

Ingestion: Symptoms due to ingestion of lead dust or fume would be similar to those from inhalation. Other health effects such as metallic taste in the mouth and constipation or bloody diarrhea might also be expected to occur.

Chronic:
Prolonged exposure to lead dust and fume may produce many of the symptoms of short-term exposure and may also cause central nervous system damage, gastrointestinal disturbances, anemia, and, rarely, wrist drop. Reduced hemoglobin production has been associated with low lead exposures. Symptoms of central nervous system damage due to moderate lead exposure include fatigue, headaches, tremors and hypertension. Very high lead exposure can result in lead encephalopathy with symptoms of hallucinations, convulsions, and delirium. Kidney dysfunction and possible injury has also been associated with chronic lead poisoning. Chronic over-exposure to lead has been implicated as a causative agency for the impairment of male and female reproductive capacity. Pregnant women should be protected from excessive exposure as lead can cross the placental barrier and unborn children may suffer neurological damage or developmental problems due to excessive lead exposure in pregnant women. Teratogenic and mutagenic effects from exposure to lead have been reported in some studies but not in others. The literature is inconsistent and no firm conclusions can be drawn at this time. Lead and lead compounds are listed as an A3 Carcinogen (Confirmed Animal Carcinogen with Unknown Relevance to Humans) by the ACGIH and as a Group 2B Carcinogen (possibly carcinogenic to humans) by IARC. The NTP, OSHA and the EU do not currently list lead as a human carcinogen.

SECTION 12. ECOLOGICAL INFORMATION

While lead metal is insoluble, its processing or extended exposure in the aquatic and terrestrial environments may lead to the release of lead in bioavailable forms. Lead compounds are not particularly mobile in the aquatic environment but can be toxic to organisms, especially fish, at low concentrations. Water hardness, pH and dissolved organic carbon content are factors which regulate the degree of toxicity. In soil, lead is generally not very mobile or bioavailable as it can become strongly sorbed on soil particles, increasingly so over time, to a degree dependent on soil properties. Lead bioaccumulates in plants and animals in both the terrestrial and aquatic environments.

SECTION 13. DISPOSAL CONSIDERATIONS

If material cannot be returned to process or salvage, dispose of in accordance with applicable regulations.

SECTION 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME .....Not a regulated product in ingot form.
TRANSPORT CANADA AND U.S. DOT CLASSIFICATION .....Not Applicable
TRANSPORT CANADA AND U.S. DOT PIN .....Not Applicable
MARINE POLLUTANT .....No
IMO CLASSIFICATION .....Not Regulated

SECTION 15. REGULATORY INFORMATION

U.S.
Ingredient Listed on TSCA Inventory.....Yes

Hazardous Under Hazard Communication Standard.....Yes

CERCLA Section 103 Hazardous Substances .....Lead RQ: 10 lbs. (4.54 kg.)*
*reporting not required when diameter of the pieces of solid metal released is equal to or exceeds 100 micrometers (0.004 inches).

EPCRA Section 302 Extremely Hazardous Substance.....No

Disclaimer:

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10.1.13 Arsenic Material Safety Data Sheet

I. GENERAL INFORMATION

Trade Name: Arsenic **Formula**: As
Chemical Family: Metallic element **CAS #**: 7440-38-2

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2. HAZARDOUS INGREDIENTS

Hazardous Components % OSHA/PEL ACGIH/TLV Sec. 313
Arsenic 0-100 10 ug/m^3 0.01 mg/m^3 Yes

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3. PHYSICAL DATA

Boiling Point: 613 ^oC (Sublimes) **Melting Point**: 817 ^oC
Vapor Density (Air=1): N/A **Vapor Pressure**: 1mm @ 372 ^oC
Solubility in H_2O: Insoluble **% Volatiles**: 0
Appearance and Odor: Steel-grey brittle solid, no odor. **Specific gravity (H_2O=1)**: 5.72gm/cc

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4. FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A **Autoignition Temp**: N/A
Flammability: **Lower**: N/A **Upper**: N/A

Extinguishing Media: Do not use water. Use carbon dioxide, dry chemical extinguishing agents, dry sand, dry ground dolomite.
Special Firefighting Procedures: Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing if involved in fire.

Unusual Fire and Explosion Hazard: Slight explosion hazard in the form of a dust when exposed to flame. Moderate fire hazard in the form of dust when exposed to heat or flame or by chemical reaction.

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5. HEALTH HAZARD INFORMATION

Effects of Exposure:

Acute arsenic poisoning (from ingestion) results in marked irritation of the stomach and intestines with nausea, vomiting and diarrhea. In severe cases the vomitus and stools are bloody and the patient goes into collapse and shock with weak, rapid pulse, cold sweats, coma and death. Chronic arsenic poisoning, whether through ingestion or inhalation, may manifest itself in many different ways. There may be disturbances of the digestive system such as loss of appetite, cramps, nausea, constipation or diarrhea. Liver damage may occur, resulting in jaundice. Disturbances of the blood, kidneys and nervous system are not infrequent. Arsenic can cause a variety of skin abnormalities including itching, pigmentation and even cancerous changes. A characteristic of arsenic poisoning is the great variety of symptoms that can be

produced. A recognized carcinogen of the skin, lungs, liver. An experimental carcinogen of the mouth, esophagus, larynx, bladder and para nasal sinus. (Sax, Dangerous Properties of Industrial Materials)

Acute Effects:

Inhalation: Causes irritation of mucous membranes and respiratory tract, metallic taste, pharyngitis, bloody nose, perforation of the nasal septum.
Ingestion: May cause vomiting, diarrhea and nausea.
Skin: Causes moderate irritation, skin sensitization.
Eye: Causes moderate irritation.

Chronic Effects:

Inhalation: May cause cancer (skin and lung).
Ingestion: May cause cancer (skin and lung).
Skin: Can cause eczematous dermatitis, pigmentation, hyperkeratosis.
Eye: None known

Other Health Hazards: There is evidence that arsenic may cross the placental barrier. Arsenic is a neurotoxin. Poisoning may affect the heart, GI system, kidneys and liver.

Routes of Entry: Inhalation, ingestion.
Medical Conditions Generally Aggravated by Exposure: No data
Carcinogenicity: **NTP**: Yes **IARC**: Yes **OSHA**: Yes

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: No specific information available, one should obtain medical attention.
INGESTION: No data available but one should obtain medical attention.
SKIN: Remove contaminated clothing, flood skin with large amounts of water. If irritation persists seek medical attention.
EYE: Immediately flush eyes, including under eyelids, with large amounts of water for at least 15 minutes. Call a physician.

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6. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Incompatibles, exposure to air.
Incompatibility (Materials to Avoid): Acids, acid fumes, oxidizing agents, halogens, heat, palladium, zinc, platinum, nitrogen trichloride, silver nitrate, acetylenes, chlorosylamine, chromium (VI) oxide, sodium peroxide, dirubidium acetylide.

Hazardous Decomposition Products: At temperatures above the melting point, metal oxide fumes may be evolved. Under reducing conditions (i.e. any strong acid or base plus an active metal) or in the presence of nascent hydrogen, highly toxic arsine gas may be
evolved.
Hazardous Polymerization: Will not occur.

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7. SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material Is Released or Spilled: Any method which keeps dust to a minimum is acceptable. Vacuuming is preferred for dust. Use approved respiratory protection if possibility of dust/fume exposure exists. Do not use compressed air for cleaning.

Waste Disposal Method: Dispose of in accordance with all State, Federal and Local regulations.

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8. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Where airborne exposures may exceed OSHA/ACGIH permissible air concentrations, the minimum respiratory protection recommended is a negative pressure air purifying respirator with cartridges that are NIOSH/MSHA approved against dust, fumes and mists having a TWA less than 0.05 mg/m^3.

Ventilation: Glove bag or box preferred.

Protective Gloves: Rubber
Eye/Face Protection: ANSI approved safety goggles with a full face shield.

Other Protective Equipment: Full protective clothing, lab coat and apron, flame and chemical resistant coveralls, is recommended for exposures that exceed permissible air concentrations. All contaminated clothing should be removed before leaving plant premises.

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9. SPECIAL PRECAUTIONS

Precautions to Be Taken in Handling and Storage: Use of approved respirators is required for applications where adequate ventilation cannot be provided. Activities which generate dust or fume should be avoided. When melted, the temperature should be kept as low as possible. Keep container tightly closed. Store in a cool, dry, well-ventilated area. Wash thoroughly after use.

Work Practices: Avoid inhalation or ingestion. Practice good housekeeping and personal hygiene procedures. No tobacco or food in the work area. Wash thoroughly before eating or smoking. Shower and change clothes at end of work shift. Do not wear contaminated clothing home. Do not blow dust off clothing with compressed air. Maintain eyewash capable of sustained flushing, safety drench shower and hygienic facilities for washing.

Danger: Poison, causes skin and lung cancer.

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. ESPI shall not be held liable for any damage resulting from handling or from contact with the above product.

10.1.14 Selenium Material Safety Data Sheet

Section 1 Identification			
Product Number:	C2450	Health:	2
Product Name:	Selenium Metal 99.5% Powder	Flammability	1
Trade/Chemical Synonyms		Reactivity	0
Formula:	Se	Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4 NA = Not Applicable NE = Not Established	
RTECS:	VS7700000		
C.A.S	CAS# 7782-49-2		

Section 2 Component Mixture					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
☐	Selenium Metal 99.5%	CAS# 7782-49-2	100%	W/W	OSHA TWA 0.2 mg/m*f*

Section 3 Hazard Identification (Also see section 11)

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

Section 4 First Aid Measures

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

Section 5 Fire Fighting Measures

Fire Extinguisher Type:	Dry chemical powder or appropriate foam. Do not use water jet.
Fire/Explosion Hazards:	May be combustible at high temperature. Emits TOXIC fumes under fire conditions.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Section 6 Accidental Release Measures

Evacuate area. Wear self-contained breathing apparatus and protective clothing. Eliminate all sources of ignition.

Section 7 Handling and Storage

Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing. Keep tightly closed.

Section 8 Exposure Controls & Personal Protection

Respiratory Protection:NIOSH/MSHA-approved respirator

Ventilation:	Mechanical: ☑	Hand Protection: Wear appropriate gloves to prevent skin exposure
	Local Exhaust: ☐	Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure. Impervious clothing to prevent exposure.

Section 9 Physical and Chemical Properties

Melting Point:	217°C	Specific Gravity	4.810
Boiling Point:	690°C	Percent Volatile by Volume:	0
Vapor Pressure:	Not available	Evaporation Rate:	Not available
Vapor Density:	Not available	Evaporation Standard:	Not available
Solubility in Water:	insoluble	Auto ignition Temperature:	Not applicable
Appearance and Odor:	odorless metallic powder	Lower Flamm. Limit in Air:	Not available
Flash Point:	Not available	Upper Flamm. Limit in Air:	Not available

Section 10 Stability and Reactivity Information

Stability: yes Conditions to Avoid: vapors and heat.

Materials to Avoid:
Oxidizing materials,and acids

Hazardous Decomposition Products:
TOXIC fumes.

Hazardous Polymerization:Will Not Occur

Condition to Avoid:None known

Section 11 Additional Information

DANGER!! Vapors if inhaled or absorbed through the skin can be POISONIOUS!! Effects of over exposure:lung irritation and dermatitis. Acute: Dust is TOXIC . HARMFUL if swallowed. Stomach pains,vomiting, diarrhea, coughing and chest pains, diffuculty in breathing. Chronic: none are specified by manufacturer. Target organs: upper respiratory tract and eyes. Conditions aggravated/target organs. Persons with pre-existing eye,skin or respiratory conditions may be more susceptible.

DOT Classification: Selenium compounds n.o.s. (Selenium powder), 6.1, UN3283, PG III

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

Revision No:0.1 Date Entered: 9/1/2006 Approved by: WPF

10.1.15 Nickel Material Safety Data Sheet

Section 1 Identification

Product Number:	C2156
Product Name:	Nickel Metal Laboratory Grade, Shot
Trade/Chemical Synonyms	
Formula:	Ni
RTECS:	QR5950000
C.A.S	CAS# 7440-02-0

Health:	3
Flammability	0
Reactivity	0

Hazard Rating:

Least Slight Moderate High Extreme
0 1 2 3 4

NA = Not Applicable NE = Not Established

Section 2 Component Mixture

Sara 313	Component	CAS Number	%	Dim	Exposure Limits:

☐	Nickel Metal	CAS# 7440-02-0	100	W/W	OSHA TWA 1 mg/m*f*

Section 3 Hazard Identification (Also see section 11)

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

Section 4 First Aid Measures

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: Remove contaminated clothing. Wash exposed area with soap and water.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

Section 5 Fire Fighting Measures

Fire Extinguisher Type:	Use agents for metal, such as graphite
Fire/Explosion Hazards:	Dust at sufficient concentrations can form explosive mixtures with air.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Section 6 Accidental Release Measures

Evacuate area. Wear self-contained breathing apparatus and protective clothing. Eliminate all sources of ignition.

Section 7 Handling and Storage

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

Section 8 Exposure Controls & Personal Protection

Respiratory Protection: NIOSH/MSHA-approved respirator

Ventilation: Mechanical: ☑ Local Exhaust: ☑

Hand Protection: NIOSH Approved Gloves

Eye Protection: Splash Goggles

Section 9 Physical and Chemical Properties

Melting Point:	1455° C	Specific Gravity	8.9
Boiling Point:	2732° C	Percent Volatile by Volume:	N/A
Vapor Pressure:	1 @ 1810° C	Evaporation Rate:	N/A
Vapor Density:	N/A	Evaporation Standard:	
Solubility in Water:	Insoluble	Auto ignition Temperature:	Not applicable
Appearance and Odor:	Silvery white metallic powder	Lower Flamm. Limit in Air:	Not applicable
Flash Point:	N/A	Upper Flamm. Limit in Air:	Not applicable

Section 10 Stability and Reactivity Information

Stability: Stable Conditions to Avoid: Avoid contact with incompatible materials.

Materials to Avoid:
mineral acids, strong oxidizers

Hazardous Decomposition Products:

Hydrogen gas Hazardous Polymerization:Will Not Occur Condition to Avoid:None known

Section 11 Additional Information
Dust may irritate eyes skin and respiratory tract. Conditions aggravated: Athsma, emphysema, etc. Persons with pre-existing eye, skin or respiratory conditions may be more susceptible.
DOT Classification: Not Regulated
DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations. Revision No:0 Date Entered: 9/1/2006 Approved by: WPF

10.1.16 Chromium Material Safety Data Sheet

Section 1 Identification			
Product Number:	C1503	Health:	2
Product Name:	Chromium	Flammability	1
Trade/Chemical Synonyms		Reactivity	0
Formula:	Cr	Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4 NA = Not Applicable NE = Not Established	
RTECS:	GB4200000		
C.A.S	CAS# 7440-47-3		

Section 2 Component Mixture					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
☐	Chromium	CAS# 7440-47-3	100%	w/w	OSHA TWA 1 mg/m*f*

Section 3 Hazard Identification (Also see section 11)
May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Section 4 First Aid Measures
May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed. FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

Section 5 Fire Fighting Measures	
Fire Extinguisher Type:	Carbon Dioxide, dry chemical or sand. Do not disturb burning metal while extinguishing the fire.
Fire/Explosion Hazards:	Dust at sufficient concentrations can form explosive mixtures with air.

Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Section 6 Accidental Release Measures

Sweep up and place in suitable (fiberboard) containers for reclamation or later disposal.

Section 7 Handling and Storage

Precautions such as the use of inert atmosphere are advisable when sizing material to minus 100 mesh and when 50% is minus 200 mesh

Section 8 Exposure Controls & Personal Protection

Respiratory Protection:NIOSH/MSHA-approved respirator

Ventilation: Mechanical: ☐ Local Exhaust: ☑

Hand Protection: NIOSH Approved Gloves

Eye Protection: Splash Goggles

Section 9 Physical and Chemical Properties

Melting Point:	3326 Deg. F	Specific Gravity	7.14
Boiling Point:	3992 Deg. F	Percent Volatile by Volume:	N/A
Vapor Pressure:	N/A	Evaporation Rate:	N/A
Vapor Density:	N/A	Evaporation Standard:	
Solubility in Water:	Not soluble	Auto ignition Temperature:	Not applicable
Appearance and Odor:		Lower Flamm. Limit in Air:	Not applicable
Flash Point:	N/A	Upper Flamm. Limit in Air:	Not applicable

Section 10 Stability and Reactivity Information

Stability: Stable Conditions to Avoid: Avoid contact with incompatible materials.

Materials to Avoid:
Acidic conditions

Hazardous Decomposition Products:
Not known to occur

Hazardous Polymerization:Will Not Occur

Condition to Avoid:None known

Section 11 Additional Information

Overexposure to dust may irritate eyes, nose or throat. Conditions aggravated/target organs. Persons with pre-existing eye, skin or respiratory conditions may be more susceptible.

DOT Classification: Not Regulated

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

Revision No:0 Date Entered: 9/1/2006 Approved by: WPF

10.1.17 Calcium Material Safety Data Sheet

Section 1 Identification

Product Number:	C1411	Health:	3
Product Name:	Calcium Metal Reagent Grade	Flammability	3

Trade/Chemical Synonyms	
Formula:	Ca
RTECS:	EV8040000
C.A.S	CAS# 7440-70-2

Reactivity	2

Hazard Rating:

Least Slight Moderate High Extreme

0 1 2 3 4

NA = Not Applicable NE = Not Established

Section 2 Component Mixture

Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
☐	Calcium Metal	CAS# 7440-70-2	100 %	W/W	None established

Section 3 Hazard Identification (Also see section 11)

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Section 4 First Aid Measures

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

Section 5 Fire Fighting Measures

Fire Extinguisher Type:	G-1 powder, Pyrene, Dry lime(not limestone)
Fire/Explosion Hazards:	Evolves hydrogen gas when heated or in contact with acids, moisture. Finely divided calcium is considered pyrophoric and will explode if ignited.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Section 6 Accidental Release Measures

Collect spilled material for reclamaion or disposal in sealed containers.

Section 7 Handling and Storage

Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

Section 8 Exposure Controls & Personal Protection

Respiratory Protection:NIOSH/MSHA-approved respirator

Ventilation: Mechanical: ☐ Local Exhaust: ☐

Hand Protection: Wear appropriate gloves to prevent skin exposure

Eye Protection: Goggles and Face Shield

Section 9 Physical and Chemical Properties

Melting Point:	Information not available	Specific Gravity	1.55
Boiling Point:	2817 Deg F	Percent Volatile by Volume:	0
Vapor Pressure:	0	Evaporation Rate:	0
Vapor Density:	Information not available	Evaporation Standard:	
Solubility in Water:	Reacts with water	Auto ignition Temperature:	Not applicable
Appearance and Odor:	Gray metallic solid, no odor	Lower Flamm. Limit in Air:	Not applicable
Flash Point:	None	Upper Flamm. Limit in Air:	Not applicable

Section 10 Stability and Reactivity Information

Stability: Stable Conditions to Avoid: Product is unstable when exposed to water. Moisture, water, high temperatures, sparks, and open flames

Materials to Avoid:
Water, Alali metal hydroxides and carbonates, acids.

Hazardous Decomposition Products:
Hydrogen and calcium hydroxide.

Hazardous Polymerization:Will Not Occur

Condition to Avoid:None known

Section 11 Additional Information

Contact with skin while moist or perspired may cause burns due to reactions. Eye contact can cause irritaiton. If inhaled can cause irritation to mucous membranes.If ingested can cause burns of mouth and esophogus.If comes in contact with skin or eyes wash with water. If inhaled rlemove to fresh air . If ingested, Do not induce vomiting . For all above situation get medical assistance immediately. Persons with pre-existing disorders may be more susceptible

DOT Classification: Calcium, 4.3, UN1401, PG II

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

Revision No:0 Date Entered: 9/1/2006 Approved by: WPF

10.1.18 Beryllium Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Beryllia Ceramic

SYNONYMS

MANUFACTURER

Beryllium Oxide

Beryllia

Thermalox Brush Ceramic Products, Inc.

6100 S. Tucson Boulevard

Tucson, Arizona 85706

Phone: (520) 746-0699

Fax: (520) 573-9077 *CHEMICAL FAMILY* Beryllium Compound

Transportation Emergency

Call Chemtrec at: *CUSTOMER SERVICE*

Domestic: (800) 424-9300 Brush Wellman Inc.

International: (703) 527-3887 Product Stewardship Department

Other Emergency 17876 St. Clair Avenue

Call Brush Wellman at: (800) 862-4118 Cleveland, Ohio 44110

Phone: (800) 862-4118

Revised: 01-12-06 Fax: (216) 383-4091

Replaces: MSDS C10 (01-13-03) Websites www.brushwellman.com

2. COMPOSITION/ INFORMATION ON INGREDIENTS

CHEMICAL COMPOSITION (Percent by Weight)

BRUSH WELLMAN PRODUCT

CONSTITUENTS CAS Numbers Beryllia Ceramic

Beryllium Oxide 1304-56-9 100
Hazard Communication regulations of the U.S. Occupational Safety and Health Administration apply to this product.
NOTE: As used in this Material Safety Data Sheet, the term “particulate” refers to dust, mist, fume, fragments, particles and/or powder.

3. HAZARD IDENTIFICATION

3.1 EMERGENCY OVERVIEW

White solid, which poses little or no immediate hazard in solid form. See label in Section 16. If the material is involved in a fire; pressure-demand self-contained breathing apparatus and protective clothing must be worn by persons potentially exposed to the airborne particulate during or after a fire.

3.2 POTENTIAL HEALTH EFFECTS

Exposure to the elements listed in Section 2 by inhalation, ingestion, and skin contact can occur when sintering, machining, grinding, sanding, abrasive cutting, polishing, laser scribing and trimming, chemical etching, crushing, or otherwise abrading the surface of this material in a manner which generates particulate. Volatile beryllium hydroxide can be formed when firing solid BeO parts at temperatures greater than 900°C in a moist atmosphere such as in a hydrogen atmosphere sintering furnace. Exposure may also occur during repair or maintenance activities on contaminated equipment such as: furnace rebuilding, maintenance or repair of air cleaning equipment, structural renovation, etc. Particulate depositing on hands, gloves, and clothing, can be transferred to the breathing zone and inhaled during normal hand to face motions such as rubbing of the nose or eyes, sneezing, coughing, etc.

3.2.1. Inhalation

Beryllium Oxide: The beryllium in this product is not known to cause acute health effects. Inhaling particulate containing beryllium may cause a serious, chronic lung disease called Chronic Beryllium Disease (CBD) in some individuals. See section 3.2.5 Chronic (long-term health effects).

3.2.2. Ingestion

Ingestion can occur from hand, clothing, food and drink contact with particulate during hand to mouth activities such as eating, drinking, smoking, nail biting, etc. Beryllium Oxide: The health effect of ingestion of beryllium in the form found in this product is unknown.

3.2.3. Skin

Skin contact with this material may cause, in some sensitive individuals, an allergic dermal response. Skin contact may cause irritation. Symptoms include redness, itching and pain. Beryllium Oxide: Particulate that becomes lodged under the skin has the potential to induce sensitization and skin lesions.

3.2.4. Eyes

Exposure may result from direct contact with airborne particulate or contact to the eye with contaminated hands or clothing. Damage can result from irritation or mechanical injury to the eyes by particulate.

3.2.5. Chronic (long-term health effects)

Beryllium Oxide: Inhaling particulate containing beryllium may cause a serious, chronic lung disease called chronic beryllium disease (CBD) in some individuals. Over time lung disease can be fatal. Chronic beryllium disease is a hypersensitivity or allergic condition in which the tissues of the lungs become inflamed. This inflammation, sometimes with accompanying fibrosis (scarring), may restrict the exchange of oxygen between the lungs and the bloodstream. Medical science suggests that CBD may be related to genetic factors.

3.2.6. Carcinogenic References

Beryllium Oxide: The International Agency for Research on Cancer (IARC) lists beryllium as a Group 1 – Known Human Carcinogen. The National Toxicology Program (NTP) lists beryllium as known to be human carcinogens. The ACGIH lists beryllium as an A1 – Confirmed Human Carcinogen. IARC lists beryllium as a known human carcinogen (Group1) and notes that the work environment of workers involved in refining, machining and producing beryllium metal was associated with an increased risk of lung cancer, “the greater excess was in workers hired before 1950 when exposures to beryllium in the work place were relatively uncontrolled and much higher than in subsequent decades”; and “the highest risk for lung cancer being observed among individuals diagnosed with acute beryllium-induced pneumonitis, who represent a group that had the most intense exposure to beryllium.” IARC further noted that “Prior to 1950, exposure to beryllium in working environments was usually very high, and concentrations exceeding 1 mg/m3 [1000 micrograms per cubic meter] were not unusual.”

3.2.7. Medical Conditions Aggravated by Exposure

Persons with impaired pulmonary function, airway diseases, or conditions such as asthma, emphysema, chronic bronchitis, etc. may incur further impairment if particulate is inhaled. If prior damage or disease to the neurologic (nervous), circulatory, hematologic (blood), or urinary (kidney) systems has occurred, proper screening or examinations should be conducted on individuals who may be exposed to further risk where handling and use of this

material may cause exposure. Beryllium Oxide: The effects of chronic beryllium disease on the lungs and heart are additive to the effects of other health conditions.

3.3 POTENTIAL ENVIRONMENTAL EFFECTS

See Ecological Information (Section 12)

4. FIRST AID MEASURES

FIRST AID PROCEDURES

INHALATION: Breathing difficulty caused by inhalation of particulate requires immediate removal to fresh air. If breathing has stopped, perform artificial respiration and obtain medical help.

INGESTION: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

SKIN: Thoroughly wash skin cuts or wounds to remove all particulate debris from the wound. Seek medical attention for wounds that cannot be thoroughly cleansed. Treat skin cuts and wounds with standard first aid practices such as cleansing, disinfecting and covering to prevent wound infection and contamination before continuing work. Obtain medical help for persistent irritation. Material accidentally implanted or lodged under the skin must be removed.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

NOTE TO PHYSICIANS

Treatment of Chronic Beryllium Disease: There is no known treatment which will cure chronic beryllium disease. Prednisone or other corticosteroids are the most specific treatment currently available. They are directed at suppressing the immunological reaction and can be effective in diminishing signs and symptoms of chronic beryllium disease. In cases where steroid therapy has had only partial or minimal effectiveness, other immunosuppressive agents, such as cyclophosphamide, cyclosporine, or methotrexate, have been used. These latter agents remain investigational. Further, in view of the potential side effects of all the immunosuppressive medications, including steroids such as prednisone, they should be used only under the direct care of a physician. In general, these medications should be reserved for cases with significant symptoms and/or significant loss of lung function. Other symptomatic treatment, such as oxygen, inhaled steroids or bronchodilators, may be prescribed by some physicians and can be effective in selected cases. The decision about when and with what medication to treat is a judgment situation for individual physicians. For the most part, treatment is reserved for those persons with symptoms and measurable loss of lung function. The value of starting oral steroid treatment, before signs or symptoms are evident, remains a medically unresolved issue. The effects of continued low exposure to beryllium are unknown for individuals who are sensitized to beryllium or who have a diagnosis of chronic beryllium disease. It is generally recommended that persons who are sensitized to beryllium or who have CBD terminate their occupational exposure to beryllium.

5. FIRE FIGHTING MEASURES

Flash Point Not Applicable

Explosive Limits Not Applicable

Extinguishing Media Not Applicable

Unusual Fire and Explosion Hazards

Not Applicable

Special Fire Fighting Procedures If this material becomes airborne as a respirable particulate during a fire situation, pressure-demand self-contained breathing apparatus must be worn by firefighters or any other persons potentially exposed.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

If this material is a particulate, establish a restricted entry zone based on the severity of the spill. Persons entering the restricted zone must wear adequate respiratory protection and protective clothing appropriate for the severity of the spill (see Section 8). Cleanup spills with a vacuum system utilizing a high efficiency particulate air (HEPA) filtration system followed by wet cleaning methods. Special precautions must be taken when changing filters on HEPA vacuum cleaners used to clean up hazardous materials. Be careful to minimize airborne generation of particulate and avoid contamination of air and water. Depending upon the quantity of material released into the environment, the incident may be required to be reported to the National Response Center at (800) 424-8802 as well as the State Emergency Response Commission and Local Emergency Planning Committee.

7. HANDLING AND STORAGE

HANDLING

Particulate may enter the body through cuts, abrasions or other wounds on the surface of the skin. Wear gloves when handling parts with loose surface particulate or sharp edges.

STORAGE

Store in a dry area.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1 VENTILATION AND ENGINEERING CONTROLS

Whenever possible, the use of local exhaust ventilation or other engineering controls is the preferred method of controlling exposure to airborne particulate. Where utilized, exhaust inlets to the ventilation system must be positioned as close as possible to the source of airborne generation. Avoid disruption of the airflow in the area of a local exhaust inlet by equipment such as a man-cooling fan. Check ventilation equipment regularly to ensure it is functioning properly. Provide training on the use and operation of ventilation to all users. Use qualified professionals to design and install ventilation systems.

8.2WORK PRACTICES

Develop work practices and procedures that prevent particulate from coming in contact with worker skin, hair, or personal clothing. If work practices and/or procedures are ineffective in controlling airborne exposure or visual particulate from deposition on skin, hair, or clothing, provide appropriate cleaning/washing facilities. Procedures should be written that clearly communicate the facility's requirements for protective clothing and personal hygiene. These clothing and personal hygiene requirements help keep particulate from being spread to non-production areas or from being taken home by the worker. Never use compressed air to clean work clothing or other surfaces. Fabrication processes may leave a residue of particulate on the surface of parts, products or equipment that could result in employee exposure during subsequent material handling activities. As necessary, clean loose particulate from parts between processing steps. As a standard hygiene practice, wash hands before eating or smoking.
To prevent exposure, remove surface scale or oxidation formed on cast or heat treated products in an adequately ventilated process prior to working the surface.

8.3 WET METHODS

Machining operations conducted under a flood of liquid coolant require complete hooded containment and local exhaust ventilation. Openings into the hood must be baffled to prevent release of fast moving particulate. The cycling through a machine of liquid lubricant/coolant containing finely divided beryllium particulate in suspension can result in the concentration building to a point where the particulate may become airborne during use. Prevent coolant from splashing onto floor areas, external structures or operators' clothing. Utilize a coolant filtering system to remove particulate from the coolant.

8.4 RESPIRATORY PROTECTION

When airborne exposures exceed or have the potential to exceed the occupational limits shown in Section 8.13, approved respirators must be used as specified by an Industrial Hygienist or other qualified professional. Respirator users must be medically evaluated to determine if they are physically capable of wearing a respirator. Quantitative and/or qualitative fit testing and respirator training must be satisfactorily completed by all personnel prior to respirator use. Users of tight fitting respirators must be clean shaven on those areas of the face where the respirator seal contacts the face. Exposure to unknown concentrations of particulate requires the wearing of a pressure-demand airline respirator or pressure-demand self-contained breathing apparatus (SCBA). Use pressure-demand airline respirators when performing jobs with high potential exposures such as changing filters in a baghouse air cleaning device.

8.5 OTHER PROTECTIVE EQUIPMENT

Protective overgarments or work clothing must be worn by persons who may become contaminated with particulate during activities such as machining, furnace rebuilding, air cleaning equipment filter changes, maintenance, furnace tending, etc. Contaminated work clothing and overgarments must be managed in a controlled manner to prevent secondary exposure to workers of third parties, to prevent the spread of particulate to other areas, and to prevent particulate from being taken home by workers.

8.6 PROTECTIVE GLOVES

Wear gloves to prevent contact with particulate or solutions. Wear gloves to prevent metal cuts and skin abrasions during handling.

8.7 EYE PROTECTION

Wear safety glasses, goggles, face shield, or welder's helmet when risk of eye injury is present, particularly during melting, casting, machining, grinding, welding, powder handling, etc.

8.8 HOUSEKEEPING

Use vacuum and wet cleaning methods for particulate removal from surfaces. Be certain to de-energize electrical systems, as necessary, before beginning wet cleaning. Use vacuum cleaners with high efficiency particulate air (HEPA). Do not use compressed air, brooms, or conventional vacuum cleaners to remove particulate from surfaces as this activity can result in elevated exposures to airborne particulate. Follow the manufacturer's instructions when performing maintenance on HEPA filtered vacuums used to clean hazardous materials.

8.9 MAINTENANCE

During repair or maintenance activities the potential exists for exposures to particulate in excess of the occupational standards. Under these circumstances, protecting workers can require the use of specific work practices or

procedures involving the combined use of ventilation, wet and vacuum cleaning methods, respiratory protection, decontamination, special protective clothing, and when necessary, restricted work zones.

8.10 EXPOSURE CHARACTERIZATION

Determine exposure to airborne particulate by air sampling in the employee breathing zone, work area, and department. Utilize an Industrial Hygienist or other qualified professional to specify the frequency and type of air sampling. Develop and utilize a sampling strategy which identifies the extent of exposure variation and provides statistical confidence in the results. Conduct an exposure risk assessment of processes to determine if conditions or situations exist which dictate the need for additional controls or improved work practices. Make air sample results available to employees.

8.11 MEDICAL SURVEILLANCE

Beryllium Oxide: Medical surveillance for beryllium health effects includes (1) skin examination, (2)respiratory history, (3) examination of the lungs, (4) lung function tests (FVC and FEV1), and (5) periodic chest x-ray. In addition, a specialized, specific, immunological blood test, the beryllium blood lymphocyte proliferation test (BLPT), is available to assist in the diagnosis of beryllium related reactions. Individuals who have an abnormal BLPT are normally referred to a lung specialist for additional specific tests to determine if chronic beryllium disease is present. Note: Substantial inter- and intra-laboratory disagreement exists among the laboratories that conduct this test. The BLPT does not at this time meet the criteria for a screening test. Despite its limitations however, the BLPT remains a useful disease surveillance tool.

8.12 RISK FACTORS

Specific genetic factors have been identified and have been shown to increase an individual's susceptibility to CBD. Medical testing is available to detect genetic factors in individuals.

8.13 OCCUPATIONAL EXPOSURE LIMITS

CONSTITUENTS	OSHA*			ACGIH*		NIOSH RTECS NUMBER
	PEL	CEILING	PEAK	TLV	TLV-STEL	
Beryllium Oxide (as Be)	0.002	0.005	0.025	0.002	0.01	DS4025000

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL PROPERTIES

Boiling Point (°F):	Not Applicable	Radioactivity:	Not Applicable
Evaporation Rate:	Not Applicable	Solubility:	None
Freezing Point (°F):	Not Applicable	Sublimes At (°F):	Not Applicable
Odor:	None	Vapor Density (Air = 1):	Not Applicable
pH:	Not Applicable	Vapor Pressure (mmHg):	Not Applicable
Physical State:	Solid	% Volatiles By Volume:	None
Color:	White	Melting Point (°F):	4455 (BeO)
Density (lb/in3):	0.103 (BeO)		

10. STABILITY AND REACTIVITY

General Reactivity	This material is stable
Incompatibility (materials to avoid)	Not Applicable
Hazardous Decomposition Products	None under normal conditions of use
Hazardous Polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

For questions concerning toxicological information, write to: Medical Director, Brush Wellman Inc., 14710. West Portage River South Road, Elmore, Ohio 43416-9502.

12. ECOLOGICAL INFORMATION

This material can be recycled; contact your Sales Representative.

13. DISPOSAL CONSIDERATIONS

BYPRODUCT RECYCLING

When recycled (used in a process to recover metals), this material is not classified as hazardous waste under federal law. Seal particulate or particulate containing materials inside two plastic bags, place in a DOT approved container, and label appropriately.

SOLID WASTE MANAGEMENT

When recycled (used in a process to recover metals), this material is not classified as hazardous waste under federal law. When spent products are declared solid wastes (no longer recyclable), they must be labeled, managed and disposed of, in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

There are no U.S. Department of Transportation hazardous material regulations which apply to the packaging and labeling of this product as shipped by Brush Ceramic Products. Hazard Communication regulations of the U.S. Occupational Safety and Health Administration require this product be labeled.

15. REGULATORY INFORMATION

15.1 UNITED STATES FEDERAL REGULATIONS

15.1.1. Occupational Safety and Health Administration (OSHA)

Air contaminants, 29 CFR 1910.1000

Hazard Communication Standard, 29 CFR 1910.1200

15.1.2. Environmental Protection Agency (EPA)

AMBIENT AIR EMISSIONS: Beryllium-containing materials are subject to the National Emission Standard for Beryllium as promulgated by EPA (40 CFR 61, Subpart C). The National Emission Standard for beryllium is 0.01 micrograms per cubic meter (30 day average) in ambient air for those production facilities which have been qualified to be regulated through ambient air monitoring. Other facilities must meet a 10 gram per 24- hour total site emission limit. Most process air emission sources will require an air permit from a local and/or state air pollution control agency. The use of air cleaning equipment may be necessary to achieve the permissible emission. Tempered makeup air should be provided to prevent excessive negative pressure in a building. Direct recycling of cleaned process exhaust air is not recommended. Plant exhausts should be located so as not to re-enter the plant through makeup air or other inlets. Regular maintenance and inspection of air cleaning equipment and monitoring of operating parameters is recommended to ensure adequate efficiency is maintained.

WASTEWATER: Wastewater regulations can vary considerably. Contact your local and state governments to determine their requirements.

TOXIC SUBSTANCES CONTROL ACT: Component(s) of this material is/are listed on the TSCA Chemical Substance Inventory of Existing Chemical Substances

SARA TITLE III REPORTING REQUIREMENTS: On February 16, 1988 the U.S. Environmental Protection Agency (EPA) issued a final rule that implements the requirements of the Superfund Amendments and Reauthorization Act (SARA) Title III, Section 313 (53) Federal Register 4525. Title III is the portion of SARA concerning emergency planning and community right-to-know issues. Section 313 covers annual emission reporting on specific chemicals which are manufactured, processed or used at certain U.S. Industrial facilities.

Brush Ceramic products are reportable under the Section 313 category of Compounds and/or Mixtures. These mixtures contain beryllium a reportable constituent. The specific chemical makeup, concentration by weight and the Chemical Abstracts Services number for each of our products is provided in Sections 2. You may obtain additional information by calling the EPA SARA Title III Hotline at 1-800-535-0202 (or 703 412 9810).

15.2 STATE REGULATIONS

Beryllium Oxide

• Is listed on the following state right to know lists: California, (listed as * * no name **), New Jersey, Florida, Pennsylvania, Minnesota, (listed as * * no name **) and Massachusetts.

• The following statements are made in order to comply with the California State Drinking Water Act - Warning: This product contains Beryllium Oxide, listed as " ** undefined **", a chemical known to the state of California to cause cancer.

• California No Significant Risk Level: CAS# 1304-56-9: No significant risk level = 0.1 ug/day

10.1.19 Mercury Material Safety Data Sheet

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1. GENERAL INFORMATION

Synonyms: Quicksilver; hydrargyrum; Liquid Silver
CAS No.: 7439-97-6
Molecular Weight: 200.59
Chemical Formula: Hg

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No	Percent	Hazardous
Mercury	7439-97-6	90 - 100%	Yes

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3. HAZARDS IDENTIFICATION

Emergency Overview

DANGER! CORROSIVE. CAUSES BURNS TO SKIN, EYES, AND RESPIRATORY TRACT. MAY BE FATAL IF SWALLOWED OR INHALED. HARMFUL IF ABSORBED THROUGH SKIN. AFFECTS THE KIDNEYS AND CENTRAL NERVOUS SYSTEM. MAY CAUSE ALLERGIC SKIN REACTION.

Health Rating: 4 - Extreme (Poison)
Flammability Rating: 0 - None
Reactivity Rating: 1 - Slight
Contact Rating: 3 - Severe (Life)
Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES
Storage Color Code: Blue (Health)

Potential Health Effects

Inhalation:
Mercury vapor is highly toxic via this route. Causes severe respiratory tract damage. Symptoms include sore throat, coughing, pain, tightness in chest, breathing difficulties, shortness of breath, headache, muscle weakness, anorexia, gastrointestinal disturbance, ringing in the ear, liver changes, fever, bronchitis and pneumonitis. Can be absorbed through inhalation with symptoms similar to ingestion.

Ingestion:
May cause burning of the mouth and pharynx, abdominal pain, vomiting, corrosive ulceration, bloody diarrhea. May be followed by a rapid and weak pulse, shallow breathing, paleness, exhaustion, tremors and collapse. Delayed death may occur from renal failure. Gastrointenstinal uptake of mercury is less than 5% but its ability to penetrate tissues presents some hazard. Initial symptoms may be thirst, possible abdominal discomfort.

Skin Contact:
Causes irritation and burns to skin. Symptoms include redness and pain. May cause skin allergy and sensitization. Can be absorbed through the skin with symptoms to parallel ingestion.

Eye Contact:
Causes irritation and burns to eyes. Symptoms include redness, pain, blurred vision; may cause serious and permanent eye damage.
Chronic Exposure:
Chronic exposure through any route can produce central nervous system damage. May cause muscle tremors, personality and behavior changes, memory loss, metallic taste, loosening of the teeth, digestive disorders, skin rashes, brain damage and kidney damage. Can cause skin allergies and accumulate in the body. Repeated skin contact can cause the skin to turn gray in color. A suspected reproductive hazard; may damage the developing fetus and decrease fertility in males and females.
Aggravation of Pre-existing Conditions:
Persons with nervous disorders, or impaired kidney or respiratory function, or a history of allergies or a known sensitization to mercury may be more susceptible to the effects of the substance.

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4. FIRST AID MEASURES

Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion:
Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin Contact:
Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eye Contact:
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

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5. FIRE FIGHTING MEASURES

Fire:
Not considered to be a fire hazard.
Explosion:
Not considered to be an explosion hazard.
Fire Extinguishing Media:
Use any means suitable for extinguishing surrounding fire. Do not allow water runoff to enter sewers or waterways.
Special Information:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Undergoes hazardous reactions in the presence of heat and sparks or ignition. Smoke may contain toxic mercury or mercuric oxide. Smoke may contain toxic mercury or mercuric oxide.

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6. ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Clean-up personnel require protective clothing and respiratory protection from vapor.

Spills: Pick up and place in a suitable container for reclamation or disposal in a method that does not generate misting. Sprinkle area with sulfur or calcium polysulfide to suppress mercury. Do not flush to sewer. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

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7. HANDLING AND STORAGE

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Do not use or store on porous work surfaces (wood, unsealed concrete, etc.). Follow strict hygiene practices. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

Airborne Exposure Limits:
- OSHA Acceptable Ceiling Concentration:
mercury and mercury compounds: 0.1 mg/m3 (TWA), skin
- ACGIH Threshold Limit Value (TLV):
inorganic and metallic mercury, as Hg: 0.025 mg/m3 (TWA) skin, A4 Not classifiable as a human carcinogen.
- ACGIH Biological Exposure Indices:
total inorganic mercury in urine (preshift): 35 ug/g creatinine;
total inorganic mercury in blood (end of shift): 15 ug/l.

Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded and engineering controls are not feasible, a half-face respirator with a mercury vapor or chlorine gas cartridge may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece respirator with a mercury vapor or chlorine gas cartridge may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:
Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Silver-white, heavy, mobile, liquid metal.
Odor: Odorless.
Solubility: Insoluble in water.
Density: 13.55
pH: No information found.
% Volatiles by volume @ 21C (70F): 100
Boiling Point: 356.7C (675F)
Melting Point: -38.87C (-38F)
Vapor Density (Air=1): 7.0
Vapor Pressure (mm Hg): 0.0018 @ 25C (77F)
Evaporation Rate (BuAc=1): 4

10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products: At high temperatures, vaporizes to form extremely toxic fumes.
Hazardous Polymerization: Will not occur.
Incompatibilities: Acetylenes, ammonia, ethylene oxide, chlorine dioxide, azides, metal oxides, methyl silane, lithium, rubidium, oxygen, strong oxidants, metal carbonyls.
Conditions to Avoid: Heat, flames, ignition sources, metal surfaces and incompatibles.

11. TOXICOLOGICAL INFORMATION

Toxicological Data: Investigated as a tumorigen, mutagen, reproductive effector.
Reproductive Toxicity: All forms of mercury can cross the placenta to the fetus, but most of what is known has been learned from experimental animals. See Chronic Health Hazards.
Carcinogenicity: EPA / IRIS classification: Group D1 - Not classifiable as a human carcinogen.

--------\Cancer Lists\----------

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Mercury (7439-97-6)	No	No	3

12. ECOLOGICAL INFORMATION

Environmental Fate: This material has an experimentally-determined bioconcentration factor (BCF) of greater than 100. This material is expected to significantly bioaccumulate.
Environmental Toxicity: This material is expected to be toxic to aquatic life. The LC50/96-hour values for fish are less than 1 mg/l.

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste

management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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14. TRANSPORTATION INFORMATION

Domestic (Land, D.O.T.)

Proper Shipping Name: RQ, MERCURY
Hazard Class: 8
UN/NA: UN2809
Packing Group: III
Information reported for product/size: 1LB

International (Water, I.M.O.)

Proper Shipping Name: MERCURY
Hazard Class: 8
UN/NA: UN2809
Packing Group: III
Information reported for product/size: 1LB

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15. OTHER INFORMATION

NFPA Ratings: Health: **3** Flammability: **0** Reactivity: **0**
Label Hazard Warning:
DANGER! CORROSIVE. CAUSES BURNS TO SKIN, EYES, AND RESPIRATORY TRACT. MAY BE FATAL IF SWALLOWED OR INHALED. HARMFUL IF ABSORBED THROUGH SKIN. AFFECTS THE KIDNEYS AND CENTRAL NERVOUS SYSTEM. MAY CAUSE ALLERGIC SKIN REACTION.
Label Precautions:
Do not get in eyes, on skin, or on clothing.
Do not breathe vapor.
Keep container closed.
Use only with adequate ventilation.
Wash thoroughly after handling.
Label First Aid:
If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. In all cases get medical attention immediately.
Product Use:
Laboratory Reagent.
Revision Information:
No Changes.

Disclaimer: Follows next page

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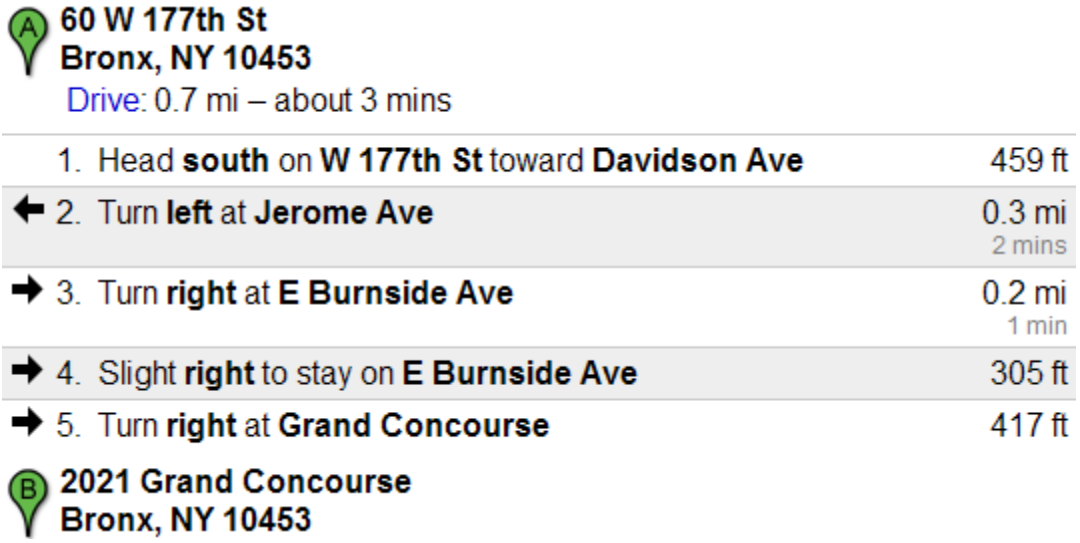
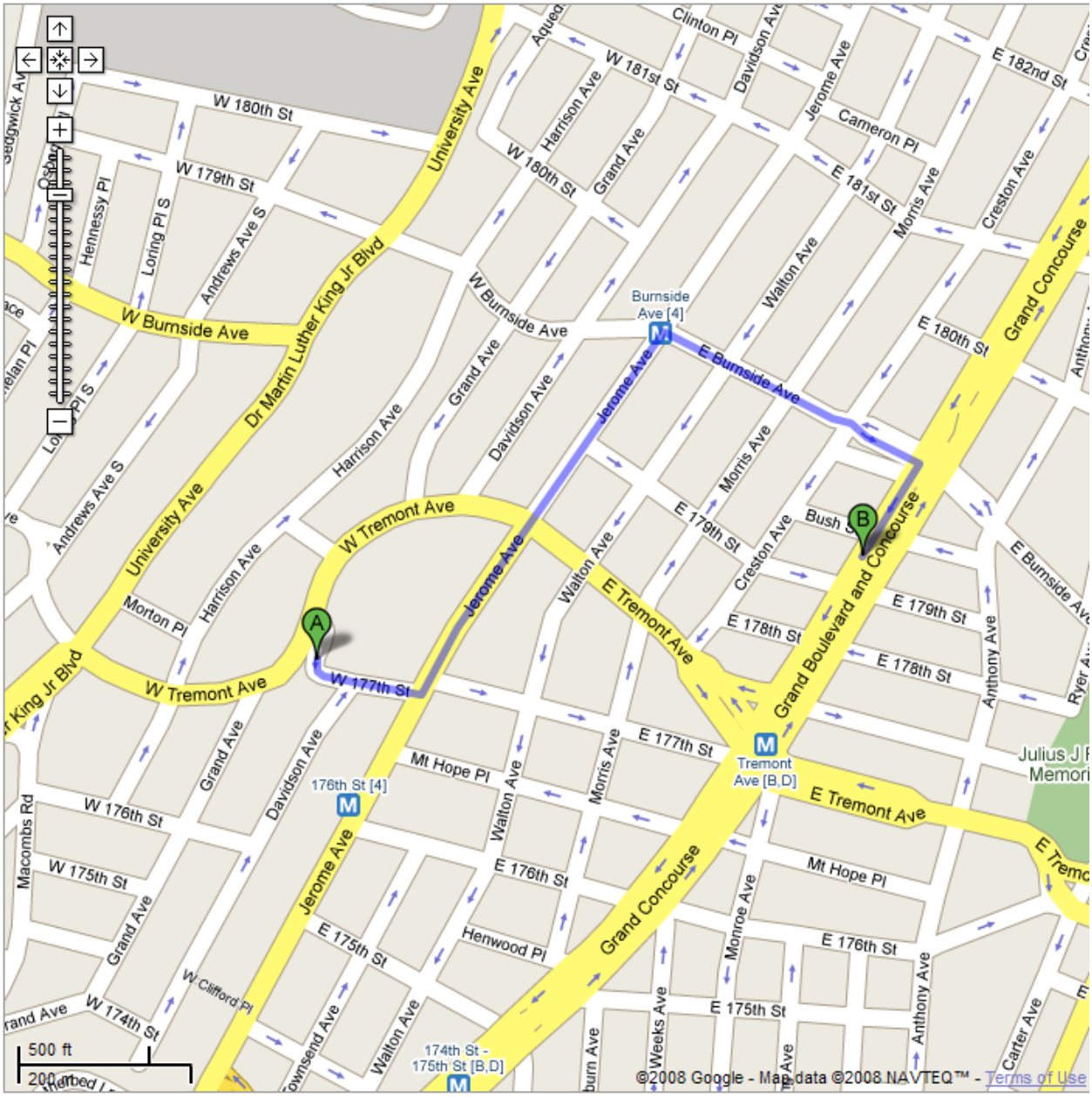
10.2 Emergency Contact Information

In the event of an accident or emergency situation, emergency procedures will be executed. Said procedures can and will be executed by the first person to observe an accident or emergency situation. The Project Field Manager will be notified about the situation immediately after emergency procedures are implemented.

10.2.1 Emergency Contacts

Emergency:	911	
Hospital:	718-960-6430	St. Barnabas Hospital
Police:	911	Police
Fire Department:	911	NYFD
Chemtrec:	800-424-9300	
Poison Control Center:	800-336-6997	
National Response Center:	800-424-8802	
US EPA (24-hour hotline):	800-424-9346	





Start:
60 West 177th Street, Bronx, NY
End:
St. Barnabas Hospital: 718-960-6430
2021 Grand Concourse, Bronx, New York

10.2.2 Utility Emergencies / Initiating Subsurface Investigation Work

Where necessary, utility markouts will be called in via the one call center or to the individual entities listed below.

Mark Out One-Call Center	1-800-272-4480	No-Cuts
Gas Company:	718-643-4050	Keyspan/Con Edison
Telephone Company:	516-661-6000	Bell Atlantic / Verizon
Electric Company:	718-643-4050	Keyspan/Con Edison

10.3Contingency / Evacuation Plan

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to emergency procedures. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Employee Emergency Action Plan Standard, set forth at 29 C.F.R. § 1910 Part 1926.35(a), as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

If an unknown substance or substance container is encountered during site activities, the following contingency plan will be triggered.

1. The Site Health and Safety Officer, Project Manager and Field Operations Leader will be notified and an Exclusion Zone (the aerial extent of which will be determined by the above safety staff) will be established.
2. All staff will be evacuated from the Exclusion Zone.
3. Air monitoring will be conducted down-wind of the Exclusion Zone.
4. The NYSDEC, as well as any other Government regulatory agency whose need may be prompted by the particular situation, will be notified.
5. Upon arrival of the NYSDEC or Government regulatory agency representative(s), site control will transfer to the appropriate Government personnel.

It may be possible that a situation could develop site emergency could necessitate the evacuation of all personnel from the site. If such a situation develops, an audible alarm shall be given for site evacuation (consisting of an air horn). Personnel shall evacuate the site in a calm and controlled fashion and regroup at a predetermined location. The route of evacuation will be dependent on wind direction, severity, type of incident, etc. The site must not be re-entered until back-up help, monitoring equipment, and/or personal protective equipment are on hand and the appropriate regulatory agencies have been notified.

10.4Emergency Medical Treatment Procedures

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to medical treatment and first aid. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Medical Services and First Aid Standard, set forth at 29 C.F.R. § 1910 Part 1926.23 and 1926.50, as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

All injuries, no matter how slight, will be reported to the site safety supervisor immediately. The safety supervisor will complete an accident report for all incidents (Appendix B).

Some injuries, such as severe lacerations or burns, may require immediate treatment. Unless required due to immediate danger, seriously injured persons should not be moved without direction from attending medical personnel.

10.4.1 Standard Procedures for Injury

1. Notify the Site Health and Safety Officer, Project Manager, and the NYCDEP and NYCDHPD of all accidents, incidents, and near emergency situations.
2. If the injury is minor, trained personnel should proceed to administer appropriate first aid.
3. Telephone for ambulance/medical assistance if necessary. Whenever possible, notify the receiving hospital of the nature of physical injury or chemical overexposure. If no phone is available, transport the person to the nearest hospital. Refer to the map in section 11.2.1.
4. When transporting an injured person to a hospital, bring this Health and Safety Plan with the attached MSDS to assist medical personnel with diagnosis and treatment.

10.4.2 Chemical Overexposure

In all cases of chemical overexposure, follow standard procedures as outlined below for poison management, first aid, and, if applicable, cardiopulmonary resuscitation. Different routes of exposure and their respective first aid/poison management procedures are outlined below.

Ingestion	Do not induce vomiting unless prompted by a health professional. Transport person to nearest hospital immediately.
Inhalation / Confined Space	Do not enter a confined space to rescue someone who has been overcome unless properly equipped and a standby person present.
Inhalation / Other	Move the person from the contaminated environment. Initiate CPR if necessary. Call or have someone call for medical assistance. Refer to MSDS for additional specific information. If necessary, transport the victim to the nearest hospital as soon as possible.

Skin Contact / Non-Caustic Contaminant (Petroleum, Gasoline, etc.)	Wash off skin with a large amount of water immediately. Remove any affected clothing and rewash skin using soap, if available. Transport person to a medical facility if necessary.
Skin Contact / Corrosive Contaminant (Acids, Hydrogen Peroxide, etc.)	Wash off skin with a large amount of water immediately. Remove any affected clothing and rewash skin with water. Transport person to a medical facility if necessary.
Eyes	Hold eyelids open and rinse the eyes immediately with large amounts of water for 15 minutes. Never permit the eyes to be rubbed. Transport person to a medical facility as soon as possible.

10.4.3 First Aid for Injuries Incurred During Field Work

A first aid kit and an emergency eyewash will be available on-site. Field crews, when performing field operations, will carry portable first aid kits that include emergency eye wash stations.

10.4.4 First Aid Equipment List

The first aid kit(s) kept at the site will consist of a weatherproof container with individually sealed packages for each type of item.

The kit will include at least the following items:

- Gauze roller bandages, 1-inch and 2-inch
- Gauze compress bandages, 4-inch
- Gauze pads, 2-inch
- Adhesive tape, 1-inch
- Bandage, 1-inch
- Butterfly bandages
- Triangular bandages, 40-inch
- Ampules of ammonia inhalants
- Antiseptic applicators or swabs
- Burn dressing and sterilized towels
- Surgical scissors
- Eye dressing
- Portable emergency eye wash
- Emergency oxygen supply
- Alcohol
- Hydrogen peroxide
- Clinical grade thermometer

- Tourniquet

10.4.5 Other Emergency Equipment

One portable fire extinguisher with a rating (ratio) of 20 pound A/B/C and one portable fire extinguisher with a rating of 2A will be conspicuously and centrally located between the restricted and non-restricted zones. In addition, similar extinguishers of the same size and class will be located in the site office trailer so that maximum travel distance to the nearest unit shall not exceed 50 feet. Portable extinguishers will be properly tagged with inspection dates and maintained in accordance with standard maintenance procedures for portable fire extinguishers. Field personnel will be trained in fire extinguisher use before field operations begin.

An emergency at any part of the site, such as fire or chemical release, might require that some appropriately trained site workers direct traffic on or near the site.
The following safety equipment to be used for traffic should be kept readily available on site in the field office:

- reflective/fluorescent vests
- flares
- traffic cones (and flags, or the equivalent, as needed)
- hazard tape (barricades as needed)
- working flashlights

10.5Record of Injuries Incurred On-Site

10.5.1 Occupational Injuries and Illnesses Form (OSHA 200)

All occupational injuries and illnesses that are required to be recorded under the Occupational Safety and Health Act will be registered on OSHA Form 200 (see Appendix C). The site safety supervisor will record occupational injuries and illnesses within 48 hours of occurrence, as required by statute.

10.5.2 Employer's First Report of Injury

The site safety supervisor for all accidents involving work injury at the site will complete this form (Appendix D). Follow-up procedures will include investigation of each accident or near-miss by the safety supervisor to assure that no similar accidents occur in the future.

Impact Environmental
Remedial Investigation Report
BCP # 12CBCPO16X

Appendix D:
Soil Boring Geological Logs

Impact Environmental Soil Boring Log		Probe Code:	SP-1
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	James U.
Job Number:	1370.1-1-08-0508	**Installation Method:**	Geoprobe/Auger
Client:	Promesa Systems Inc.	**Installation Date:**	21-Jul-08
Location Description:	Auger with Geoprobe	**Geologist:**	Erik C.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown/Gold	0	Brick and Concrete
5'-7'	Medium Sand	Dark Brown/Red	15.3	No staining or odors

Impact Environmental Soil Boring Log		Probe Code:	SP-2
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	James U.
Job Number:	1370.1-1-08-0508	**Installation Method:**	Geoprobe/Auger
Client:	Promesa Systems Inc.	**Installation Date:**	21-Jul-08
Location Description:	Auger with Geoprobe	**Geologist:**	Erik C.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown/Gold	0	Brick and Concrete
5'-7'	Medium Sand	Dark Brown/Red	15.3	No staining or odors

Impact Environmental Soil Boring Log		Probe Code:	SP-3
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	James U.
Job Number:	1370.1-1-08-0508	**Installation Method:**	Geoprobe/Auger
Client:	Promesa Systems Inc.	**Installation Date:**	21-Jul-08
Location Description:	Auger with Geoprobe	**Geologist:**	Erik C.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown/Gold	0	Brick and Concrete
5'-8'	Medium/Coarse Sand	Dark Brown/Red	25.4	No staining or odors
8'-10'	Medium Sand	Dark Brown/Red	43.1	No staining or odors

Impact Environmental Soil Boring Log		Probe Code:	SP-4
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	James U.
Job Number:	1370.1-1-08-0508	**Installation Method:**	Geoprobe/Auger
Client:	Promesa Systems Inc.	**Installation Date:**	21-Jul-08
Location Description:	Auger with Geoprobe	**Geologist:**	Erik C.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown/Gold	7.4	Brick and Concrete
5'-8'	Medium/Coarse Sand	Dark Brown/Red	10.5	No staining or odors
8'-10'	Medium/Coarse Sand	Dark Brown/Red	21.4	No staining or odors
10'-18'	Medium Silty Sand	Medium Brown/Red	55.2	No staining or odors
18'-25'	Medium Sand	Dark Brown/Red	75.8	Minor odors, no staining

Impact Environmental Soil Boring Log		Probe Code:	SP-5
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	James U.
Job Number:	1370.1-1-08-0508	**Installation Method:**	Geoprobe/Auger
Client:	Promesa Systems Inc.	**Installation Date:**	21-Jul-08
Location Description:	Auger with Geoprobe	**Geologist:**	Erik C.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown/Gold	4	Brick and Concrete
5'-6'	Medium Sand	Dark Brown	6.8	No staining or odors

Impact Environmental Soil Boring Log		Probe Code:	SP-6
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	James U.
Job Number:	1370.1-1-08-0508	**Installation Method:**	Geoprobe/Auger
Client:	Promesa Systems Inc.	**Installation Date:**	21-Jul-08
Location Description:	Auger with Geoprobe	**Geologist:**	Erik C.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown/Gold	2.9	Brick and Concrete
5'-10'	Medium/Coarse Sand	Dark Brown	15.9	No staining or odors
10'-17'	Medium/Fine Sand	Light Brown/Red	N/A	No staining or odors
17'-25'	Medium Sand	Dark Brown	54.4	No staining, minor odors

Impact Environmental Soil Boring Log		Probe Code:	SP-7
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	James U.
Job Number:	1370.1-1-08-0508	**Installation Method:**	Geoprobe/Auger
Client:	Promesa Systems Inc.	**Installation Date:**	21-Jul-08
Location Description:	Auger with Geoprobe	**Geologist:**	Erik C.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown/Gold	7.5	Brick and Concrete
5'-10'	Medium/Coarse Sand	Dark Brown	14.5	No staining or odors
10'-15'	Medium/Fine Sand	Light Brown/Red	55.5	No staining or odors
15'-20'	Medium Sand	Dark Brown	87.2	No staining or odors

Impact Environmental Soil Boring Log		Probe Code:	SP-8
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	James U.
Job Number:	1370.1-1-08-0508	**Installation Method:**	Geoprobe/Auger
Client:	Promesa Systems Inc.	**Installation Date:**	21-Jul-08
Location Description:	Auger with Geoprobe	**Geologist:**	Erik C.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown	0	Brick and Concrete
5'-10'	Medium/Coarse Sand	Dark Brown/Red	3.5	No staining or odors
10'-15'	Medium/Fine Sand	Light Brown/Yellowish Orange	2.8	No staining or odors

Impact Environmental Soil Boring Log		Probe Code:	SP-9
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	James U.
Job Number:	1370.1-1-08-0508	**Installation Method:**	Geoprobe/Auger
Client:	Promesa Systems Inc.	**Installation Date:**	21-Jul-08
Location Description:	Auger with Geoprobe	**Geologist:**	Erik C.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown	4	Brick and Concrete/Minor odors
5'-10'	Medium/Coarse Sand	Dark Brown/Red	10	No staining or odors
10'-15'	Medium/Fine Sand	Light Brown/Yellowish Orange	12.2	No staining or some odor
15'-20'	Medium/Fine Sand	Greenish Grey/Dark Brown	32	No staining or odors
20'-25'	Medium/Fine Sand	Dark Brown/Red	60	No staining or odors

Impact Environmental Soil Boring Log		Probe Code:	SP-10
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	James U.
Job Number:	1370.1-1-08-0508	**Installation Method:**	Geoprobe/Auger
Client:	Promesa Systems Inc.	**Installation Date:**	21-Jul-08
Location Description:	Auger with Geoprobe	**Geologist:**	Erik C.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-4'	Fill	Dark Brown	0.5	Brick and Concrete/Minor odors
4'-7'	Medium/Coarse Sand	Dark Brown/Red	2.5	No staining or odors
7'-9'	Medium/Fine Sand	Light Brown/Yellowish Orange	3.1	No staining or some odor

Impact Environmental Soil Boring Log		Probe Code:	SP-11
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	James U.
Job Number:	1370.1-1-08-0508	**Installation Method:**	Geoprobe/Auger
Client:	Promesa Systems Inc.	**Installation Date:**	21-Jul-08
Location Description:	Auger with Geoprobe	**Geologist:**	Erik C.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-4'	Fill	Dark Brown	0	Brick and Concrete/Minor odors
4'-7'	Medium/Coarse Sand	Dark Brown/Red	0	No staining or odors
7'-10'	Medium/Coarse Sand	Light Brown	43.1	No staining or some odor
10'-14'	Medium/Fine Sand	Light Brown	N/A	No staining or some odor
14'-18'	Fine Sand	Light Brown	N/A	No staining or some odor

Impact Environmental Soil Boring Log		Probe Code:	SB-01
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	ADT
Job Number:	2199-03-03-3002	**Installation Method:**	Sonic Rig
Client:	Promesa Systems Inc.	**Installation Date:**	28-Feb-11
Location Description:	Soil Boring Delineation Sample	**Geologist:**	Christine M.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown	0	Brick and Concrete/Course Grained Sand No Staining/No Odors
5'-8'	Medium/Coarse Sand	Dark Brown	0	Brick and Concrete/Course Grained Sand No Staining/No Odors
				Refusal @ 8'BEG

Impact Environmental Soil Boring Log		Probe Code:	SB-02
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	ADT
Job Number:	2199-03-03-3002	**Installation Method:**	Sonic Rig
Client:	Promesa Systems Inc.	**Installation Date:**	28-Feb-11
Location Description:	Soil Boring Delineation Sample	**Geologist:**	Christine M.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown	0	Brick/Glass/No Staining/No Odors
5'-10'	Coarse Grained Sand	Dark Brown	0	Red Brick/ No Staining/No Odors
10'-15'	Medium Grained Sand	Medium Brown	0	No Staining/No Odors
				Refusal @ 15' BEG

Impact Environmental Soil Boring Log		Probe Code:	SB-03
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	ADT
Job Number:	2199-03-03-3002	**Installation Method:**	Sonic Rig
Client:	Promesa Systems Inc.	**Installation Date:**	28-Feb-11
Location Description:	Soil Boring Delineation Sample	**Geologist:**	Christine M.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown	0	Brick/Rock/Tree Roots//No Staining/No Odors
5'-10'	Coarse Grained Sand	Dark Reddish Brown	0	Minimal Recovery/Red Brick/ No Staining/No Odors
10'-15'	Silty Sand	Reddish Brown	0	No Staining/No Odors
				Refusal @ 15' BEG

Impact Environmental Soil Boring Log		Probe Code:	SB-04
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	ADT
Job Number:	2199-03-03-3002	**Installation Method:**	Sonic Rig
Client:	Promesa Systems Inc.	**Installation Date:**	28-Feb-11
Location Description:	Soil Boring Delineation Sample	**Geologist:**	Christine M.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown/Black	0	Minimal Recovery/Red Brick/ No Staining/No Odors
5'-10'	Coarse Grained Sand	Medium Brown	0	Small Rocks/ No Staining/No Odors
10'-15'	Medium to Fine Sand, with some Silt	Light Brown	0	No Staining/No Odors
				Refusal @ 15' BEG

Impact Environmental Soil Boring Log		Probe Code:	SB-05
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	ADT
Job Number:	2199-03-03-3002	**Installation Method:**	Sonic Rig
Client:	Promesa Systems Inc.	**Installation Date:**	3-Mar-11
Location Description:	Soil Boring Delineation Sample	**Geologist:**	Christine M.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill/Coarse Sand	Dark Brown	0	Minimal Recovery/Red Brick/ No Staining/No Odors
5'-10'	Course Grained Sand	Medium Brown	0	Small Rocks/ Red Brick/No Staining/No Odors
10'-11.5'	Coarse Sand	Reddish Brown	0	Some Red Brick/ No Staining/No Odors
				Refusal @ 11.5' BEG

Impact Environmental Soil Boring Log		Probe Code:	SB-05
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	ADT
Job Number:	2199-03-03-3002	**Installation Method:**	Sonic Rig
Client:	Promesa Systems Inc.	**Installation Date:**	3-Mar-11
Location Description:	Soil Boring Delineation Sample	**Geologist:**	Christine M.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill/Coarse Sand	Dark Brown	0	Red Brick/ No Staining/No Odors
5'-10'	Fine to Medium Sand	Medium Brown	0	Small Rocks/ Red Brick/No Staining/No Odors
10'-13'	Coarse Sand	Light Brown	0	Some Red Brick/ No Staining/No Odors
				Refusal @ 13' BEG

Impact Environmental Soil Boring Log		Probe Code:	MW-01
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	ADT
Job Number:	2199-03-03-3002	**Installation Method:**	Sonic Rig
Client:	Promesa Systems Inc.	**Installation Date:**	1-Mar-11
Location Description:	Soil Boring Delineation Sample	**Geologist:**	Christine M.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill	Dark Brown/Black	0	Rocks Debris/ No Staining/No Odors
5'-10'	Silty Sand	Medium Brown	0	No Staining/No Odors
10'-14'	Silty Sand	Medium Brown	0	Moist/ No Staining/No Odors
14'-15'	Boulder			
15'-20'	Very Silty Sand	Dark Brown	0	Small Rocks/ No Staining/No Odors
				Drilled Well to 30 'BEG

Impact Environmental Soil Boring Log		Probe Code:	MW-02
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	ADT
Job Number:	2199-03-03-3002	**Installation Method:**	Sonic Rig
Client:	Promesa Systems Inc.	**Installation Date:**	3-Mar-11
Location Description:	Soil Boring Delineation Sample	**Geologist:**	Christine M.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Fill/Coarse Sand	Dark Brown	0	Rocks Debris/ No Staining/No Odors
5'-10'	Silty Sand	Medium Brown	0	No Staining/No Odors
10'-14'	Silty Sand	Medium Brown	0	Moist/ No Staining/No Odors
14'-15'	Boulder			
14'-16'	Very Silty Sand	Dark Brown	0	Small Rocks/ No Staining/No Odors
				Drilled Well to 20 'BEG

Impact Environmental Soil Boring Log		Probe Code:	MW-03
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	ADT
Job Number:	2199-03-03-3002	**Installation Method:**	Sonic Rig
Client:	Promesa Systems Inc.	**Installation Date:**	2-Mar-11
Location Description:	Soil Boring Delineation Sample	**Geologist:**	Christine M.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Medium Sand	Brown	0	No Staining/No Odors
5'-8.5'	Silty Sand	Reddish Brown	0	No Staining/No Odors
8.5'-15'	Boulder			
				Drilled Well to 20 'BEG

Impact Environmental Soil Boring Log		Probe Code:	MW-04
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	ADT
Job Number:	2199-03-03-3002	**Installation Method:**	Sonic Rig
Client:	Promesa Systems Inc.	**Installation Date:**	2-Mar-11
Location Description:	Soil Boring Delineation Sample	**Geologist:**	Christine M.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Coarse Sand	Brown	0	Wood/Deris/Red Brick/ No Staining/No Odors
5'-10'	Very Coarse Sand	Greyish Brown	0	No Staining/No Odors
10'-15'	Silty Sand	Reddish Brown	0	No Staining/No Odors
15'-20'	Silty Sand	Reddish Brown	0	No Staining/No Odors
				Drilled Well to 20 'BEG

Impact Environmental Soil Boring Log		Probe Code:	MW-05
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	ADT
Job Number:	2199-03-03-3002	**Installation Method:**	Sonic Rig
Client:	Promesa Systems Inc.	**Installation Date:**	3-Mar-11
Location Description:	Soil Boring Delineation Sample	**Geologist:**	Christine M.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Brick and Debris	NA	0	No Recovery
5'-10'	Very Coarse Sand	Light Brown	0	Red Brick/Concrete/GlassNo Staining/No Odors
10'-15'	NA	NA	0	No Recovery
15'-20'	Coarse Grained Sand	Dark Brown	0	No Staining/No Odors
				Drilled Well to 25 'BEG

Impact Environmental Soil Boring Log		Probe Code:	MW-06
Site Location:	60 W 177th Street & 92 W Tremont Avenue, Bronx NY	**Installer:**	ADT
Job Number:	2199-03-03-3002	**Installation Method:**	Sonic Rig
Client:	Promesa Systems Inc.	**Installation Date:**	3-Mar-11
Location Description:	Soil Boring Delineation Sample	**Geologist:**	Christine M.

Depth BEG (ft.)	Soil Type	Soil Color	PID Reading	Comments
0'-5'	Coarse Grained Sand	Dark Grey	0	No Staining/No Odors
5'-10'	Coarse Sand	Reddish Brown	0	Red Brick/No Staining/No Odors
10'-15'	Silty Sand	Reddish Brown	0	No Staining/No Odors
				Drilled Well to 15 'BEG

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Appendix F:
Laboratory Data Deliverables for Soil Analytical Data

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Analytical Report

Impact Environmental: 1370
170 Keyland Ct
Bohemia, NY 11716

Report Date: 7/28/2008

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072640
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 4-5'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807723

Date Analyzed	Test Name	Result	MCL	Method
07/22/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/22/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/22/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/22/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/22/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/22/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/22/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/22/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/22/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/22/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/22/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/22/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/22/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/22/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/22/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/22/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/22/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/22/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/22/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/22/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/22/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/22/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/22/08	1,4-dioxane	<5 ppb		EPA 8260
07/22/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/22/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/22/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/22/08	2-Hexanone	<5 ppb		EPA 8260
07/22/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/22/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/22/08	Acetone	<5 ppb		EPA 8260
07/22/08	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
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Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072640
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 4-5'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807723

Date Analyzed	Test Name	Result	MCL	Method
07/22/08	Benzene	<5 ppb		EPA 8260
07/22/08	Bromobenzene	<5 ppb		EPA 8260
07/22/08	Bromochloromethane	<5 ppb		EPA 8260
07/22/08	Bromodichloromethane	<5 ppb		EPA 8260
07/22/08	Bromoform	<5 ppb		EPA 8260
07/22/08	Bromomethane	<5 ppb		EPA 8260
07/22/08	Carbon disulfide	<5 ppb		EPA 8260
07/22/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/22/08	Chlorobenzene	<5 ppb		EPA 8260
07/22/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/22/08	Chloroethane	<5 ppb		EPA 8260
07/22/08	Chloroform	<5 ppb		EPA 8260
07/22/08	Chloromethane	<5 ppb		EPA 8260
07/22/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/22/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/22/08	Dibromoethane	<5 ppb		EPA 8260
07/22/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/22/08	Ethylbenzene	<5 ppb		EPA 8260
07/22/08	Freon 113	<5 ppb		EPA 8260
07/22/08	Isopropylbenzene	<5 ppb		EPA 8260
07/22/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/22/08	Methylene Chloride	<5 ppb		EPA 8260
07/22/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/22/08	n-Butylbenzene	<5 ppb		EPA 8260
07/22/08	n-Propylbenzene	<5 ppb		EPA 8260
07/22/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/22/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/22/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/22/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/22/08	Styrene	<5 ppb		EPA 8260
07/22/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Collector's Information: **JMS ID:** 072640
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 4-5'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807723

Date Analyzed	Test Name	Result	MCL	Method
07/22/08	Tetrachloroethene	<5 ppb		EPA 8260
07/22/08	Toluene	<5 ppb		EPA 8260
07/22/08	Total Xylenes	<5 ppb		EPA 8260
07/22/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/22/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/22/08	Trichloroethene	<5 ppb		EPA 8260
07/22/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/22/08	Vinyl Acetate	<5 ppb		EPA 8260
07/22/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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State: NY **Zip:** 11716
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Collector's Information: **JMS ID:** 072640
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 4-5'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807723

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/23/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDE	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDT	<2 ppb	N/A	EPA 8081
07/23/08	Aldrin	<2 ppb	N/A	EPA 8081
07/23/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/23/08	b-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/23/08	d-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
07/23/08	Endrin	<2 ppb	N/A	EPA 8081

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City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072640
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 4-5'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807723

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/23/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/23/08	g-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/23/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/23/08	Mitotane	<2 ppb	N/A	EPA 8081
07/23/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/23/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	14180 ppm	N/A	6010/E200.7
07/23/08	Antimony	0.682 ppm	N/A	6010/E200.7
07/23/08	Arsenic	4.12 ppm	N/A	6010/E200.7
07/23/08	Barium	42.1 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.48 ppm	N/A	6010/E200.7
07/23/08	Cadmium	0.703 ppm	N/A	6010/E200.7
07/23/08	Calcium	36305 ppm	N/A	6010/E200.7
07/23/08	Chromium	21 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	21 ppm	N/A	6010/E200.7
07/23/08	Cobalt	6.2 ppm	N/A	6010/E200.7
07/23/08	Copper	10.1 ppm	N/A	6010/E200.7
07/23/08	Iron	13782 ppm	N/A	6010/E200.7
07/23/08	Lead	11 ppm	N/A	6010/E200.7
07/23/08	Magnesium	26345 ppm	N/A	6010/E200.7
07/23/08	Manganese	203 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.11 ppm	N/A	7470/E245.1
07/23/08	Nickel	11.3 ppm	N/A	6010/E200.7
07/23/08	Potassium	886 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	127 ppm	N/A	6010/E200.7

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Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
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Sample's Information: **Sample ID:** SP6

Site: 4-5'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	22.2 ppm	N/A	6010/E200.7
07/23/08	Zinc	52 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072641
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807724

Date Analyzed	Test Name	Result	MCL	Method
07/22/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/22/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/22/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/22/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/22/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/22/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/22/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/22/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/22/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/22/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/22/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/22/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/22/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/22/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/22/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/22/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/22/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/22/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/22/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/22/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/22/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/22/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/22/08	1,4-dioxane	<5 ppb		EPA 8260
07/22/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/22/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/22/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/22/08	2-Hexanone	<5 ppb		EPA 8260
07/22/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/22/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/22/08	Acetone	<5 ppb		EPA 8260
07/22/08	Acrylonitrile	<5 ppb		EPA 8260

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07/22/08	Benzene	<5 ppb		EPA 8260
07/22/08	Bromobenzene	<5 ppb		EPA 8260
07/22/08	Bromochloromethane	<5 ppb		EPA 8260
07/22/08	Bromodichloromethane	<5 ppb		EPA 8260
07/22/08	Bromoform	<5 ppb		EPA 8260
07/22/08	Bromomethane	<5 ppb		EPA 8260
07/22/08	Carbon disulfide	<5 ppb		EPA 8260
07/22/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/22/08	Chlorobenzene	<5 ppb		EPA 8260
07/22/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/22/08	Chloroethane	<5 ppb		EPA 8260
07/22/08	Chloroform	<5 ppb		EPA 8260
07/22/08	Chloromethane	<5 ppb		EPA 8260
07/22/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/22/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/22/08	Dibromoethane	<5 ppb		EPA 8260
07/22/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/22/08	Ethylbenzene	<5 ppb		EPA 8260
07/22/08	Freon 113	<5 ppb		EPA 8260
07/22/08	Isopropylbenzene	<5 ppb		EPA 8260
07/22/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/22/08	Methylene Chloride	<5 ppb		EPA 8260
07/22/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/22/08	n-Butylbenzene	<5 ppb		EPA 8260
07/22/08	n-Propylbenzene	<5 ppb		EPA 8260
07/22/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/22/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/22/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/22/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/22/08	Styrene	<5 ppb		EPA 8260
07/22/08	tert-Butylbenzene	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072641
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807724

Date Analyzed	Test Name	Result	MCL	Method
07/22/08	Tetrachloroethene	9.53 ppb		EPA 8260
07/22/08	Toluene	<5 ppb		EPA 8260
07/22/08	Total Xylenes	<5 ppb		EPA 8260
07/22/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/22/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/22/08	Trichloroethene	<5 ppb		EPA 8260
07/22/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/22/08	Vinyl Acetate	<5 ppb		EPA 8260
07/22/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 25'
Preservative: N/A
Temperature: <4
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Date Collected: 7/21/2008
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Date Received: 7/22/2008
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Lab No.: J0807724

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	337 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	1046 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	848 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	1053 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	2394 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Collector's Information: **JMS ID:** 072641
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807724

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	2186 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	5418 ppb		EPA 8270
07/23/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDE	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDT	<2 ppb	N/A	EPA 8081
07/23/08	Aldrin	<2 ppb	N/A	EPA 8081
07/23/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/23/08	b-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/23/08	d-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
07/23/08	Endrin	<2 ppb	N/A	EPA 8081

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072641
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807724

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/23/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/23/08	g-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/23/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/23/08	Mitotane	<2 ppb	N/A	EPA 8081
07/23/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/23/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	11571 ppm	N/A	6010/E200.7
07/23/08	Antimony	1.06 ppm	N/A	6010/E200.7
07/23/08	Arsenic	2.33 ppm	N/A	6010/E200.7
07/23/08	Barium	529 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.289 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.63 ppm	N/A	6010/E200.7
07/23/08	Calcium	18037 ppm	N/A	6010/E200.7
07/23/08	Chromium	21.2 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	21.2 ppm	N/A	6010/E200.7
07/23/08	Cobalt	7.38 ppm	N/A	6010/E200.7
07/23/08	Copper	31 ppm	N/A	6010/E200.7
07/23/08	Iron	20340 ppm	N/A	6010/E200.7
07/23/08	Lead	220 ppm	N/A	6010/E200.7
07/23/08	Magnesium	5556 ppm	N/A	6010/E200.7
07/23/08	Manganese	367 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.243 ppm	N/A	7470/E245.1
07/23/08	Nickel	15.5 ppm	N/A	6010/E200.7
07/23/08	Potassium	2667 ppm	N/A	6010/E200.7
07/23/08	Selenium	5.12 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	160 ppm	N/A	6010/E200.7

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Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072641
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807724

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	0.27 ppm	N/A	6010/E200.7
07/23/08	Vanadium	43.1 ppm	N/A	6010/E200.7
07/23/08	Zinc	458 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

JMS Environmental Services, Inc.
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State: NY **Zip:** 11716
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Collector's Information: **JMS ID:** 072642
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP7

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807725

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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City: Bronx
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Sample's Information: **Sample ID:** SP7

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
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Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072642
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP7

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807725

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Collector's Information: **JMS ID:** 072642
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP7

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Received: 7/22/2008
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Lab No.: J0807725

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/23/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDE	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDT	<2 ppb	N/A	EPA 8081
07/23/08	Aldrin	<2 ppb	N/A	EPA 8081
07/23/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/23/08	b-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/23/08	d-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
07/23/08	Endrin	<2 ppb	N/A	EPA 8081

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Collector's Information: **JMS ID:** 072642
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP7

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807725

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/23/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/23/08	g-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/23/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/23/08	Mitotane	<2 ppb	N/A	EPA 8081
07/23/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/23/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	11436 ppm	N/A	6010/E200.7
07/23/08	Antimony	0.881 ppm	N/A	6010/E200.7
07/23/08	Arsenic	1.79 ppm	N/A	6010/E200.7
07/23/08	Barium	28.8 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.31 ppm	N/A	6010/E200.7
07/23/08	Cadmium	0.757 ppm	N/A	6010/E200.7
07/23/08	Calcium	1711 ppm	N/A	6010/E200.7
07/23/08	Chromium	14.9 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	14.9 ppm	N/A	6010/E200.7
07/23/08	Cobalt	6.28 ppm	N/A	6010/E200.7
07/23/08	Copper	11.3 ppm	N/A	6010/E200.7
07/23/08	Iron	16307 ppm	N/A	6010/E200.7
07/23/08	Lead	5.93 ppm	N/A	6010/E200.7
07/23/08	Magnesium	2868 ppm	N/A	6010/E200.7
07/23/08	Manganese	309 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.115 ppm	N/A	7470/E245.1
07/23/08	Nickel	12.1 ppm	N/A	6010/E200.7
07/23/08	Potassium	880 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	65.2 ppm	N/A	6010/E200.7

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Sample's Information: **Sample ID:** SP7

Site: 0-2'
Preservative: N/A
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Matrix: Soil

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Lab No.: J0807725

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	18.7 ppm	N/A	6010/E200.7
07/23/08	Zinc	31.1 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Sample's Information: **Sample ID:** SP7

Site: 16-17'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Received: 7/22/2008
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Lab No.: J0807726

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072643
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP7

Site: 16-17'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807726

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/23/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDE	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDT	<2 ppb	N/A	EPA 8081
07/23/08	Aldrin	<2 ppb	N/A	EPA 8081
07/23/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/23/08	b-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/23/08	d-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
07/23/08	Endrin	<2 ppb	N/A	EPA 8081

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Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP7

Site: 16-17'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

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Lab No.: J0807726

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/23/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/23/08	g-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/23/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/23/08	Mitotane	<2 ppb	N/A	EPA 8081
07/23/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/23/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	9728 ppm	N/A	6010/E200.7
07/23/08	Antimony	0.918 ppm	N/A	6010/E200.7
07/23/08	Arsenic	0.775 ppm	N/A	6010/E200.7
07/23/08	Barium	31.5 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.24 ppm	N/A	6010/E200.7
07/23/08	Cadmium	0.799 ppm	N/A	6010/E200.7
07/23/08	Calcium	2011 ppm	N/A	6010/E200.7
07/23/08	Chromium	17.4 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	17.4 ppm	N/A	6010/E200.7
07/23/08	Cobalt	6.45 ppm	N/A	6010/E200.7
07/23/08	Copper	11.9 ppm	N/A	6010/E200.7
07/23/08	Iron	17283 ppm	N/A	6010/E200.7
07/23/08	Lead	3.72 ppm	N/A	6010/E200.7
07/23/08	Magnesium	3276 ppm	N/A	6010/E200.7
07/23/08	Manganese	310 ppm	N/A	6010/E200.7
07/24/08	Mercury	<0.1 ppm	N/A	7470/E245.1
07/23/08	Nickel	11.3 ppm	N/A	6010/E200.7
07/23/08	Potassium	890 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	70.6 ppm	N/A	6010/E200.7

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	22.3 ppm	N/A	6010/E200.7
07/23/08	Zinc	29.4 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Sample's Information: **Sample ID:** SP7

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/23/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDE	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDT	<2 ppb	N/A	EPA 8081
07/23/08	Aldrin	<2 ppb	N/A	EPA 8081
07/23/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/23/08	b-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/23/08	d-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
07/23/08	Endrin	<2 ppb	N/A	EPA 8081

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072644
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP7

Site: 20'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807727

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/23/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/23/08	g-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/23/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/23/08	Mitotane	<2 ppb	N/A	EPA 8081
07/23/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/23/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	15291 ppm	N/A	6010/E200.7
07/23/08	Antimony	0.788 ppm	N/A	6010/E200.7
07/23/08	Arsenic	0.85 ppm	N/A	6010/E200.7
07/23/08	Barium	70.9 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.409 ppm	N/A	6010/E200.7
07/23/08	Cadmium	0.817 ppm	N/A	6010/E200.7
07/23/08	Calcium	1897 ppm	N/A	6010/E200.7
07/23/08	Chromium	16.5 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	16.5 ppm	N/A	6010/E200.7
07/23/08	Cobalt	5.89 ppm	N/A	6010/E200.7
07/23/08	Copper	6.72 ppm	N/A	6010/E200.7
07/23/08	Iron	17203 ppm	N/A	6010/E200.7
07/23/08	Lead	5.33 ppm	N/A	6010/E200.7
07/23/08	Magnesium	2994 ppm	N/A	6010/E200.7
07/23/08	Manganese	360 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.117 ppm	N/A	7470/E245.1
07/23/08	Nickel	11.7 ppm	N/A	6010/E200.7
07/23/08	Potassium	661 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	87.9 ppm	N/A	6010/E200.7

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Collector's Information: **JMS ID:** 072644
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP7

Site: 20'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807727

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	21 ppm	N/A	6010/E200.7
07/23/08	Zinc	42.6 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Collector's Information: **JMS ID:** 072645
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP8

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807728

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	17.2 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP8

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

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Date Received: 7/22/2008
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Lab No.: J0807728

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072645
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP8

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807728

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Collector's Information: **JMS ID:** 072645
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP8

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Received: 7/22/2008
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	407 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	551 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	462 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	683 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Collector's Information: **JMS ID:** 072645
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP8

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807728

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	1600 ppb		EPA 8270
07/24/08	4,4'-DDD	510 ppb	N/A	EPA 8081
07/24/08	4,4'-DDE	185 ppb	N/A	EPA 8081
07/24/08	4,4'-DDT	449 ppb	N/A	EPA 8081
07/24/08	Aldrin	<2 ppb	N/A	EPA 8081
07/24/08	a-BHC	<2 ppb	N/A	EPA 8081
07/24/08	Arochlor 1016	<50 ppb		SW 8082
07/24/08	Arochlor 1221	<50 ppb		SW 8082
07/24/08	Arochlor 1232	<50 ppb		SW 8082
07/24/08	Arochlor 1242	<50 ppb		SW 8082
07/24/08	Arochlor 1248	<50 ppb		SW 8082
07/24/08	Arochlor 1254	<50 ppb		SW 8082
07/24/08	Arochlor 1260	<50 ppb		SW 8082
07/24/08	b-BHC	<2 ppb	N/A	EPA 8081
07/24/08	Chlordane, alpha	134 ppb	N/A	EPA 8081
07/24/08	d-BHC	<2 ppb	N/A	EPA 8081
07/24/08	Dieldrin	161 ppb	N/A	EPA 8081
07/24/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/24/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/24/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/24/08	Endosulfan Sulfate	902 ppb	N/A	EPA 8081
07/24/08	Endrin	152 ppb	N/A	EPA 8081

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Sample's Information: **Sample ID:** SP8

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Received: 7/22/2008
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Lab No.: J0807728

Date Analyzed	Test Name	Result	MCL	Method
07/24/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/24/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/24/08	g-BHC	86 ppb	N/A	EPA 8081
07/24/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/24/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/24/08	Methoxychlor	703 ppb	N/A	EPA 8081
07/24/08	Mitotane	<2 ppb	N/A	EPA 8081
07/24/08	Parathion	<30 ppb	N/A	EPA 8081
07/24/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/24/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	15600 ppm	N/A	6010/E200.7
07/23/08	Antimony	1.13 ppm	N/A	6010/E200.7
07/23/08	Arsenic	2.88 ppm	N/A	6010/E200.7
07/23/08	Barium	89.6 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.41 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.17 ppm	N/A	6010/E200.7
07/23/08	Calcium	4047 ppm	N/A	6010/E200.7
07/23/08	Chromium	26.7 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	26.7 ppm	N/A	6010/E200.7
07/23/08	Cobalt	8.32 ppm	N/A	6010/E200.7
07/23/08	Copper	30.9 ppm	N/A	6010/E200.7
07/23/08	Iron	19907 ppm	N/A	6010/E200.7
07/23/08	Lead	24.8 ppm	N/A	6010/E200.7
07/23/08	Magnesium	4273 ppm	N/A	6010/E200.7
07/23/08	Manganese	248 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.175 ppm	N/A	7470/E245.1
07/23/08	Nickel	16.3 ppm	N/A	6010/E200.7
07/23/08	Potassium	1544 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	127 ppm	N/A	6010/E200.7

JMS Environmental Services, Inc.
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41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072645
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP8

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807728

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	35.2 ppm	N/A	6010/E200.7
07/23/08	Zinc	89.8 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Collector's Information: **JMS ID:** 072646
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP8

Site: 14-15'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807729

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	7.98 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP8

Site: 14-15'
Preservative: N/A
Temperature: <4
Matrix: Soil

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Lab No.: J0807729

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Sample's Information: **Sample ID:** SP8

Site: 14-15'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP8

Site: 14-15'
Preservative: N/A
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/23/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDE	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDT	<2 ppb	N/A	EPA 8081
07/23/08	Aldrin	<2 ppb	N/A	EPA 8081
07/23/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/23/08	b-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/23/08	d-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
07/23/08	Endrin	<2 ppb	N/A	EPA 8081

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Phone:

Sample's Information: **Sample ID:** SP8

Site: 14-15'
Preservative: N/A
Temperature: <4
Matrix: Soil

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/23/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/23/08	g-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/23/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/23/08	Mitotane	<2 ppb	N/A	EPA 8081
07/23/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/23/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	8652 ppm	N/A	6010/E200.7
07/23/08	Antimony	0.696 ppm	N/A	6010/E200.7
07/23/08	Arsenic	0.775 ppm	N/A	6010/E200.7
07/23/08	Barium	35.2 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.263 ppm	N/A	6010/E200.7
07/23/08	Cadmium	0.628 ppm	N/A	6010/E200.7
07/23/08	Calcium	1643 ppm	N/A	6010/E200.7
07/23/08	Chromium	16.5 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	16.5 ppm	N/A	6010/E200.7
07/23/08	Cobalt	5.2 ppm	N/A	6010/E200.7
07/23/08	Copper	12.5 ppm	N/A	6010/E200.7
07/23/08	Iron	14222 ppm	N/A	6010/E200.7
07/23/08	Lead	3.02 ppm	N/A	6010/E200.7
07/23/08	Magnesium	2545 ppm	N/A	6010/E200.7
07/23/08	Manganese	308 ppm	N/A	6010/E200.7
07/24/08	Mercury	<0.1 ppm	N/A	7470/E245.1
07/23/08	Nickel	14.9 ppm	N/A	6010/E200.7
07/23/08	Potassium	750 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	66.3 ppm	N/A	6010/E200.7

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Lab No.: J0807729

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	17.5 ppm	N/A	6010/E200.7
07/23/08	Zinc	26 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072647
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807730

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	14.8 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Collector's Information: **JMS ID:** 072647
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City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807730

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072647
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807730

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Collector's Information: **JMS ID:** 072647
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807730

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	449 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Collector's Information: **JMS ID:** 072647
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807730

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	1349 ppb		EPA 8270
07/26/08	4,4'-DDD	1248 ppb	N/A	EPA 8081
07/26/08	4,4'-DDE	578 ppb	N/A	EPA 8081
07/26/08	4,4'-DDT	778 ppb	N/A	EPA 8081
07/26/08	Aldrin	<2 ppb	N/A	EPA 8081
07/26/08	a-BHC	<2 ppb	N/A	EPA 8081
07/26/08	Arochlor 1016	<50 ppb		SW 8082
07/26/08	Arochlor 1221	<50 ppb		SW 8082
07/26/08	Arochlor 1232	<50 ppb		SW 8082
07/26/08	Arochlor 1242	<50 ppb		SW 8082
07/26/08	Arochlor 1248	<50 ppb		SW 8082
07/26/08	Arochlor 1254	<50 ppb		SW 8082
07/26/08	Arochlor 1260	<50 ppb		SW 8082
07/26/08	b-BHC	<2 ppb	N/A	EPA 8081
07/26/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/26/08	d-BHC	<2 ppb	N/A	EPA 8081
07/26/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/26/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/26/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/26/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/26/08	Endosulfan Sulfate	2626 ppb	N/A	EPA 8081
07/26/08	Endrin	<2 ppb	N/A	EPA 8081

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Collector's Information: **JMS ID:** 072647
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807730

Date Analyzed	Test Name	Result	MCL	Method
07/26/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/26/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/26/08	g-BHC	<2 ppb	N/A	EPA 8081
07/26/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/26/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/26/08	Methoxychlor	1518 ppb	N/A	EPA 8081
07/26/08	Mitotane	<2 ppb	N/A	EPA 8081
07/26/08	Parathion	<30 ppb	N/A	EPA 8081
07/26/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/26/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	7053 ppm	N/A	6010/E200.7
07/23/08	Antimony	0.984 ppm	N/A	6010/E200.7
07/23/08	Arsenic	2.96 ppm	N/A	6010/E200.7
07/23/08	Barium	508 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.194 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.28 ppm	N/A	6010/E200.7
07/23/08	Calcium	37850 ppm	N/A	6010/E200.7
07/23/08	Chromium	15.7 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	15.7 ppm	N/A	6010/E200.7
07/23/08	Cobalt	6.16 ppm	N/A	6010/E200.7
07/23/08	Copper	37.3 ppm	N/A	6010/E200.7
07/23/08	Iron	15845 ppm	N/A	6010/E200.7
07/23/08	Lead	162 ppm	N/A	6010/E200.7
07/23/08	Magnesium	4543 ppm	N/A	6010/E200.7
07/23/08	Manganese	176 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.677 ppm	N/A	7470/E245.1
07/23/08	Nickel	12.6 ppm	N/A	6010/E200.7
07/23/08	Potassium	1322 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	372 ppm	N/A	6010/E200.7

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Collector's Information: **JMS ID:** 072647
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807730

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	40.2 ppm	N/A	6010/E200.7
07/23/08	Zinc	440 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Collector's Information: **JMS ID:** 072648
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 10-11'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807731

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	12.1 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072648
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 10-11'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807731

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Collector's Information: **JMS ID:** 072648
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 10-11'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807731

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	659 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Collector's Information: **JMS ID:** 072648
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 10-11'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807731

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	1010 ppb		EPA 8270
07/23/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDE	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDT	<2 ppb	N/A	EPA 8081
07/23/08	Aldrin	<2 ppb	N/A	EPA 8081
07/23/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/23/08	b-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/23/08	d-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
07/23/08	Endrin	<2 ppb	N/A	EPA 8081

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City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072648
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 10-11'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807731

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/23/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/23/08	g-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/23/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/23/08	Mitotane	<2 ppb	N/A	EPA 8081
07/23/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/23/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	13435 ppm	N/A	6010/E200.7
07/23/08	Antimony	1.64 ppm	N/A	6010/E200.7
07/23/08	Arsenic	3.78 ppm	N/A	6010/E200.7
07/23/08	Barium	417 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.251 ppm	N/A	6010/E200.7
07/23/08	Cadmium	2.09 ppm	N/A	6010/E200.7
07/23/08	Calcium	11438 ppm	N/A	6010/E200.7
07/23/08	Chromium	43.1 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	43.1 ppm	N/A	6010/E200.7
07/23/08	Cobalt	9.58 ppm	N/A	6010/E200.7
07/23/08	Copper	47.4 ppm	N/A	6010/E200.7
07/23/08	Iron	24451 ppm	N/A	6010/E200.7
07/23/08	Lead	225 ppm	N/A	6010/E200.7
07/23/08	Magnesium	10729 ppm	N/A	6010/E200.7
07/23/08	Manganese	313 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.531 ppm	N/A	7470/E245.1
07/23/08	Nickel	19.3 ppm	N/A	6010/E200.7
07/23/08	Potassium	5868 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	178 ppm	N/A	6010/E200.7

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Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
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Sample's Information: **Sample ID:** SP9

Site: 10-11'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	43.1 ppm	N/A	6010/E200.7
07/23/08	Zinc	611 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Collector's Information: **JMS ID:** 072649
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072649
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807732

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072649
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807732

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072649
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807732

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/23/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDE	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDT	<2 ppb	N/A	EPA 8081
07/23/08	Aldrin	<2 ppb	N/A	EPA 8081
07/23/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/23/08	b-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/23/08	d-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
07/23/08	Endrin	<2 ppb	N/A	EPA 8081

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Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072649
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807732

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/23/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/23/08	g-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/23/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/23/08	Mitotane	<2 ppb	N/A	EPA 8081
07/23/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/23/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	18908 ppm	N/A	6010/E200.7
07/23/08	Antimony	1.48 ppm	N/A	6010/E200.7
07/23/08	Arsenic	1.87 ppm	N/A	6010/E200.7
07/23/08	Barium	61.3 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.476 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.2 ppm	N/A	6010/E200.7
07/23/08	Calcium	9075 ppm	N/A	6010/E200.7
07/23/08	Chromium	35.4 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	35.4 ppm	N/A	6010/E200.7
07/23/08	Cobalt	9.54 ppm	N/A	6010/E200.7
07/23/08	Copper	13.2 ppm	N/A	6010/E200.7
07/23/08	Iron	23055 ppm	N/A	6010/E200.7
07/23/08	Lead	8.72 ppm	N/A	6010/E200.7
07/23/08	Magnesium	10133 ppm	N/A	6010/E200.7
07/23/08	Manganese	434 ppm	N/A	6010/E200.7
07/24/08	Mercury	<0.1 ppm	N/A	7470/E245.1
07/23/08	Nickel	17.9 ppm	N/A	6010/E200.7
07/23/08	Potassium	1443 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	75.6 ppm	N/A	6010/E200.7

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072649
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP9

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807732

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	36.5 ppm	N/A	6010/E200.7
07/23/08	Zinc	55.6 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

JMS Environmental Services, Inc.
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Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072650
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807733

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	11.7 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072650
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807733

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072650
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807733

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072650
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807733

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	840 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	759 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	463 ppb		EPA 8270
07/23/08	Chrysene	815 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	1637 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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State: NY **Zip:** 11716
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Collector's Information: **JMS ID:** 072650
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807733

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	494 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	4059 ppb		EPA 8270
07/28/08	4,4'-DDD	3241 ppb	N/A	EPA 8081
07/28/08	4,4'-DDE	2279 ppb	N/A	EPA 8081
07/28/08	4,4'-DDT	523 ppb	N/A	EPA 8081
07/28/08	Aldrin	<2 ppb	N/A	EPA 8081
07/28/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/28/08	b-BHC	<2 ppb	N/A	EPA 8081
07/28/08	Chlordane, alpha	782 ppb	N/A	EPA 8081
07/28/08	d-BHC	<2 ppb	N/A	EPA 8081
07/28/08	Dieldrin	668 ppb	N/A	EPA 8081
07/28/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/28/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/28/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/28/08	Endosulfan Sulfate	3705 ppb	N/A	EPA 8081
07/28/08	Endrin	<2 ppb	N/A	EPA 8081

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Collector's Information: **JMS ID:** 072650
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807733

Date Analyzed	Test Name	Result	MCL	Method
07/28/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/28/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/28/08	g-BHC	<2 ppb	N/A	EPA 8081
07/28/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/28/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/28/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/28/08	Mitotane	<2 ppb	N/A	EPA 8081
07/28/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/28/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	10590 ppm	N/A	6010/E200.7
07/23/08	Antimony	1.29 ppm	N/A	6010/E200.7
07/23/08	Arsenic	2.93 ppm	N/A	6010/E200.7
07/23/08	Barium	569 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.293 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.49 ppm	N/A	6010/E200.7
07/23/08	Calcium	26799 ppm	N/A	6010/E200.7
07/23/08	Chromium	24.8 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	24.8 ppm	N/A	6010/E200.7
07/23/08	Cobalt	7.05 ppm	N/A	6010/E200.7
07/23/08	Copper	32.2 ppm	N/A	6010/E200.7
07/23/08	Iron	17031 ppm	N/A	6010/E200.7
07/23/08	Lead	190 ppm	N/A	6010/E200.7
07/23/08	Magnesium	5761 ppm	N/A	6010/E200.7
07/23/08	Manganese	265 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.269 ppm	N/A	7470/E245.1
07/23/08	Nickel	18.3 ppm	N/A	6010/E200.7
07/23/08	Potassium	1762 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	203 ppm	N/A	6010/E200.7

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State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072650
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Received: 7/22/2008
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	49 ppm	N/A	6010/E200.7
07/23/08	Zinc	481 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072651
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 4-5'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807734

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	8.72 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Name: Erik Curran
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City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 4-5'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	699 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072651
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 4-5'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807734

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	598 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	1596 ppb		EPA 8270
07/23/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDE	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDT	<2 ppb	N/A	EPA 8081
07/23/08	Aldrin	<2 ppb	N/A	EPA 8081
07/23/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/23/08	b-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/23/08	d-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
07/23/08	Endrin	<2 ppb	N/A	EPA 8081

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Collector's Information: **JMS ID:** 072651
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 4-5'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807734

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/23/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/23/08	g-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/23/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/23/08	Mitotane	<2 ppb	N/A	EPA 8081
07/23/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/23/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	16338 ppm	N/A	6010/E200.7
07/23/08	Antimony	0.795 ppm	N/A	6010/E200.7
07/23/08	Arsenic	1.95 ppm	N/A	6010/E200.7
07/23/08	Barium	152 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.385 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.13 ppm	N/A	6010/E200.7
07/23/08	Calcium	2885 ppm	N/A	6010/E200.7
07/23/08	Chromium	23.4 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	23.4 ppm	N/A	6010/E200.7
07/23/08	Cobalt	7.63 ppm	N/A	6010/E200.7
07/23/08	Copper	14.2 ppm	N/A	6010/E200.7
07/23/08	Iron	21075 ppm	N/A	6010/E200.7
07/23/08	Lead	28.2 ppm	N/A	6010/E200.7
07/23/08	Magnesium	4156 ppm	N/A	6010/E200.7
07/23/08	Manganese	358 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.191 ppm	N/A	7470/E245.1
07/23/08	Nickel	14 ppm	N/A	6010/E200.7
07/23/08	Potassium	1117 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	89 ppm	N/A	6010/E200.7

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Sample's Information: **Sample ID:** SP10

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Preservative: N/A
Temperature: <4
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Lab No.: J0807734

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	28.8 ppm	N/A	6010/E200.7
07/23/08	Zinc	114 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Collector's Information: **JMS ID:** 072652
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP1

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Received: 7/22/2008
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Lab No.: J0807735

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	20 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Collector's Information: **JMS ID:** 072652
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP1

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	368 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	358 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	381 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	468 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	1448 ppb		EPA 8270
07/24/08	4,4'-DDD	401 ppb	N/A	EPA 8081
07/24/08	4,4'-DDE	298 ppb	N/A	EPA 8081
07/24/08	4,4'-DDT	1108 ppb	N/A	EPA 8081
07/24/08	Aldrin	<2 ppb	N/A	EPA 8081
07/24/08	a-BHC	<2 ppb	N/A	EPA 8081
07/24/08	Arochlor 1016	<50 ppb		SW 8082
07/24/08	Arochlor 1221	<50 ppb		SW 8082
07/24/08	Arochlor 1232	<50 ppb		SW 8082
07/24/08	Arochlor 1242	<50 ppb		SW 8082
07/24/08	Arochlor 1248	<50 ppb		SW 8082
07/24/08	Arochlor 1254	<50 ppb		SW 8082
07/24/08	Arochlor 1260	<50 ppb		SW 8082
07/24/08	b-BHC	<2 ppb	N/A	EPA 8081
07/24/08	Chlordane, alpha	60.4 ppb	N/A	EPA 8081
07/24/08	d-BHC	<2 ppb	N/A	EPA 8081
07/24/08	Dieldrin	123 ppb	N/A	EPA 8081
07/24/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/24/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/24/08	Endosulfan II	109 ppb	N/A	EPA 8081
07/24/08	Endosulfan Sulfate	1808 ppb	N/A	EPA 8081
07/24/08	Endrin	329 ppb	N/A	EPA 8081

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072652
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP1

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807735

Date Analyzed	Test Name	Result	MCL	Method
07/24/08	Endrin Aldehyde	373 ppb	N/A	EPA 8081
07/24/08	Endrin Ketone	166 ppb	N/A	EPA 8081
07/24/08	g-BHC	74.7 ppb	N/A	EPA 8081
07/24/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/24/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/24/08	Methoxychlor	793 ppb	N/A	EPA 8081
07/24/08	Mitotane	<2 ppb	N/A	EPA 8081
07/24/08	Parathion	<30 ppb	N/A	EPA 8081
07/24/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/24/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	13079 ppm	N/A	6010/E200.7
07/23/08	Antimony	1.63 ppm	N/A	6010/E200.7
07/23/08	Arsenic	1.25 ppm	N/A	6010/E200.7
07/23/08	Barium	400 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.301 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.64 ppm	N/A	6010/E200.7
07/23/08	Calcium	16094 ppm	N/A	6010/E200.7
07/23/08	Chromium	32.4 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	32.4 ppm	N/A	6010/E200.7
07/23/08	Cobalt	10.5 ppm	N/A	6010/E200.7
07/23/08	Copper	45.6 ppm	N/A	6010/E200.7
07/23/08	Iron	22300 ppm	N/A	6010/E200.7
07/23/08	Lead	123 ppm	N/A	6010/E200.7
07/23/08	Magnesium	7099 ppm	N/A	6010/E200.7
07/23/08	Manganese	287 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.267 ppm	N/A	7470/E245.1
07/23/08	Nickel	20.9 ppm	N/A	6010/E200.7
07/23/08	Potassium	2883 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	162 ppm	N/A	6010/E200.7

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Collector's Information: **JMS ID:** 072652
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP1

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	0.203 ppm	N/A	6010/E200.7
07/23/08	Vanadium	53.1 ppm	N/A	6010/E200.7
07/23/08	Zinc	293 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Lab No.: J0807736

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Collector's Information: **JMS ID:** 072653
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP1

Site: 10-11'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807736

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Sample's Information: **Sample ID:** SP1

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Sample's Information: **Sample ID:** SP1

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/23/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDE	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDT	<2 ppb	N/A	EPA 8081
07/23/08	Aldrin	<2 ppb	N/A	EPA 8081
07/23/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/23/08	b-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/23/08	d-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
07/23/08	Endrin	<2 ppb	N/A	EPA 8081

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/23/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/23/08	g-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/23/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/23/08	Mitotane	<2 ppb	N/A	EPA 8081
07/23/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/23/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	10630 ppm	N/A	6010/E200.7
07/23/08	Antimony	2.02 ppm	N/A	6010/E200.7
07/23/08	Arsenic	1.34 ppm	N/A	6010/E200.7
07/23/08	Barium	791 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.376 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.3 ppm	N/A	6010/E200.7
07/23/08	Calcium	39443 ppm	N/A	6010/E200.7
07/23/08	Chromium	27.8 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	27.8 ppm	N/A	6010/E200.7
07/23/08	Cobalt	7.46 ppm	N/A	6010/E200.7
07/23/08	Copper	31.4 ppm	N/A	6010/E200.7
07/23/08	Iron	20253 ppm	N/A	6010/E200.7
07/23/08	Lead	578 ppm	N/A	6010/E200.7
07/23/08	Magnesium	13310 ppm	N/A	6010/E200.7
07/23/08	Manganese	242 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.859 ppm	N/A	7470/E245.1
07/23/08	Nickel	23.1 ppm	N/A	6010/E200.7
07/23/08	Potassium	1926 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	384 ppm	N/A	6010/E200.7

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072653
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP1

Site: 10-11'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807736

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	48.1 ppm	N/A	6010/E200.7
07/23/08	Zinc	814 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072654
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP2

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807737

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Collector's Information: **JMS ID:** 072654
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP2

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807737

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072654
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP2

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807737

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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City: Bohemia
State: NY **Zip:** 11716
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Collector's Information: **JMS ID:** 072654
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP2

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807737

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Collector's Information: **JMS ID:** 072654
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP2

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807737

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/24/08	4,4'-DDD	317 ppb	N/A	EPA 8081
07/24/08	4,4'-DDE	533 ppb	N/A	EPA 8081
07/24/08	4,4'-DDT	659 ppb	N/A	EPA 8081
07/24/08	Aldrin	<2 ppb	N/A	EPA 8081
07/24/08	a-BHC	<2 ppb	N/A	EPA 8081
07/24/08	Arochlor 1016	<50 ppb		SW 8082
07/24/08	Arochlor 1221	<50 ppb		SW 8082
07/24/08	Arochlor 1232	<50 ppb		SW 8082
07/24/08	Arochlor 1242	<50 ppb		SW 8082
07/24/08	Arochlor 1248	<50 ppb		SW 8082
07/24/08	Arochlor 1254	<50 ppb		SW 8082
07/24/08	Arochlor 1260	<50 ppb		SW 8082
07/24/08	b-BHC	<2 ppb	N/A	EPA 8081
07/24/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/24/08	d-BHC	<2 ppb	N/A	EPA 8081
07/24/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/24/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/24/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/24/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/24/08	Endosulfan Sulfate	1035 ppb	N/A	EPA 8081
07/24/08	Endrin	<2 ppb	N/A	EPA 8081

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City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072654
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP2

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807737

Date Analyzed	Test Name	Result	MCL	Method
07/24/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/24/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/24/08	g-BHC	<2 ppb	N/A	EPA 8081
07/24/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/24/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/24/08	Methoxychlor	492 ppb	N/A	EPA 8081
07/24/08	Mitotane	<2 ppb	N/A	EPA 8081
07/24/08	Parathion	<30 ppb	N/A	EPA 8081
07/24/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/24/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	12634 ppm	N/A	6010/E200.7
07/23/08	Antimony	1.13 ppm	N/A	6010/E200.7
07/23/08	Arsenic	2.17 ppm	N/A	6010/E200.7
07/23/08	Barium	255 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.305 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.54 ppm	N/A	6010/E200.7
07/23/08	Calcium	12359 ppm	N/A	6010/E200.7
07/23/08	Chromium	32.5 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	32.5 ppm	N/A	6010/E200.7
07/23/08	Cobalt	10.2 ppm	N/A	6010/E200.7
07/23/08	Copper	48.3 ppm	N/A	6010/E200.7
07/23/08	Iron	21330 ppm	N/A	6010/E200.7
07/23/08	Lead	153 ppm	N/A	6010/E200.7
07/23/08	Magnesium	7279 ppm	N/A	6010/E200.7
07/23/08	Manganese	323 ppm	N/A	6010/E200.7
07/24/08	Mercury	2.02 ppm	N/A	7470/E245.1
07/23/08	Nickel	22.2 ppm	N/A	6010/E200.7
07/23/08	Potassium	3212 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	155 ppm	N/A	6010/E200.7

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Collector's Information: **JMS ID:** 072654
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP2

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807737

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	0.156 ppm	N/A	6010/E200.7
07/23/08	Vanadium	50.4 ppm	N/A	6010/E200.7
07/23/08	Zinc	293 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072655
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP2

Site: 6-7'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807738

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072655
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP2

Site: 6-7'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807738

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072655
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP2

Site: 6-7'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807738

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Collector's Information: **JMS ID:** 072655
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
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Sample's Information: **Sample ID:** SP2

Site: 6-7'
Preservative: N/A
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Date Collected: 7/21/2008
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Lab No.: J0807738

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072655
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP2

Site: 6-7'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807738

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/26/08	4,4'-DDD	1526 ppb	N/A	EPA 8081
07/26/08	4,4'-DDE	790 ppb	N/A	EPA 8081
07/26/08	4,4'-DDT	1054 ppb	N/A	EPA 8081
07/26/08	Aldrin	<20 ppb	N/A	EPA 8081
07/26/08	a-BHC	<20 ppb	N/A	EPA 8081
07/26/08	Arochlor 1016	<50 ppb		SW 8082
07/26/08	Arochlor 1221	<50 ppb		SW 8082
07/26/08	Arochlor 1232	<50 ppb		SW 8082
07/26/08	Arochlor 1242	<50 ppb		SW 8082
07/26/08	Arochlor 1248	<50 ppb		SW 8082
07/26/08	Arochlor 1254	<50 ppb		SW 8082
07/26/08	Arochlor 1260	<50 ppb		SW 8082
07/26/08	b-BHC	<20 ppb	N/A	EPA 8081
07/26/08	Chlordane, alpha	351 ppb	N/A	EPA 8081
07/26/08	d-BHC	<20 ppb	N/A	EPA 8081
07/26/08	Dieldrin	464 ppb	N/A	EPA 8081
07/26/08	Endosulfan	<20 ppb	N/A	EPA 8081
07/26/08	Endosulfan I	<20 ppb	N/A	EPA 8081
07/26/08	Endosulfan II	<20 ppb	N/A	EPA 8081
07/26/08	Endosulfan Sulfate	4915 ppb	N/A	EPA 8081
07/26/08	Endrin	<20 ppb	N/A	EPA 8081

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City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072655
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP2

Site: 6-7'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807738

Date Analyzed	Test Name	Result	MCL	Method
07/26/08	Endrin Aldehyde	<20 ppb	N/A	EPA 8081
07/26/08	Endrin Ketone	<20 ppb	N/A	EPA 8081
07/26/08	g-BHC	425 ppb	N/A	EPA 8081
07/26/08	Heptachlor	<20 ppb	N/A	EPA 8081
07/26/08	Heptachlor epoxide	<20 ppb	N/A	EPA 8081
07/26/08	Methoxychlor	2196 ppb	N/A	EPA 8081
07/26/08	Mitotane	<20 ppb	N/A	EPA 8081
07/26/08	Parathion	<30 ppb	N/A	EPA 8081
07/26/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/26/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	6257 ppm	N/A	6010/E200.7
07/23/08	Antimony	1.28 ppm	N/A	6010/E200.7
07/23/08	Arsenic	5.58 ppm	N/A	6010/E200.7
07/23/08	Barium	1597 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.24 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.13 ppm	N/A	6010/E200.7
07/23/08	Calcium	32070 ppm	N/A	6010/E200.7
07/23/08	Chromium	15.8 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	15.8 ppm	N/A	6010/E200.7
07/23/08	Cobalt	5.72 ppm	N/A	6010/E200.7
07/23/08	Copper	32.3 ppm	N/A	6010/E200.7
07/23/08	Iron	12891 ppm	N/A	6010/E200.7
07/23/08	Lead	136 ppm	N/A	6010/E200.7
07/23/08	Magnesium	3461 ppm	N/A	6010/E200.7
07/23/08	Manganese	223 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.95 ppm	N/A	7470/E245.1
07/23/08	Nickel	10.4 ppm	N/A	6010/E200.7
07/23/08	Potassium	1014 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	627 ppm	N/A	6010/E200.7

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Collector's Information: **JMS ID:** 072655
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP2

Site: 6-7'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807738

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	21.2 ppm	N/A	6010/E200.7
07/23/08	Zinc	735 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Collector's Information: **JMS ID:** 072656
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP3

Site: 0-2'
Preservative:
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807739

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072656
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP3

Site: 0-2'
Preservative:
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807739

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Collector's Information: **JMS ID:** 072656
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City: Bronx
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Sample's Information: **Sample ID:** SP3

Site: 0-2'
Preservative:
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Sample's Information: **Sample ID:** SP3

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Date Received: 7/22/2008
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Lab No.: J0807739

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/23/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDE	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDT	<2 ppb	N/A	EPA 8081
07/23/08	Aldrin	<2 ppb	N/A	EPA 8081
07/23/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/23/08	b-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/23/08	d-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
07/23/08	Endrin	<2 ppb	N/A	EPA 8081

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Collector's Information: **JMS ID:** 072656
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP3

Site: 0-2'
Preservative:
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807739

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/23/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/23/08	g-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/23/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/23/08	Mitotane	<2 ppb	N/A	EPA 8081
07/23/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/23/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	15118 ppm	N/A	6010/E200.7
07/23/08	Antimony	1.05 ppm	N/A	6010/E200.7
07/23/08	Arsenic	1.21 ppm	N/A	6010/E200.7
07/23/08	Barium	77.5 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.379 ppm	N/A	6010/E200.7
07/23/08	Cadmium	0.861 ppm	N/A	6010/E200.7
07/23/08	Calcium	2233 ppm	N/A	6010/E200.7
07/23/08	Chromium	19.7 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	19.7 ppm	N/A	6010/E200.7
07/23/08	Cobalt	6.41 ppm	N/A	6010/E200.7
07/23/08	Copper	8.37 ppm	N/A	6010/E200.7
07/23/08	Iron	18323 ppm	N/A	6010/E200.7
07/23/08	Lead	7.51 ppm	N/A	6010/E200.7
07/23/08	Magnesium	3322 ppm	N/A	6010/E200.7
07/23/08	Manganese	399 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.152 ppm	N/A	7470/E245.1
07/23/08	Nickel	12.8 ppm	N/A	6010/E200.7
07/23/08	Potassium	778 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	79 ppm	N/A	6010/E200.7

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Phone:

Sample's Information: **Sample ID:** SP3

Site: 0-2'
Preservative:
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	23.3 ppm	N/A	6010/E200.7
07/23/08	Zinc	56.7 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Collector's Information: **JMS ID:** 072657
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP3

Site: 9-10'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807740

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072657
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP3

Site: 9-10'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807740

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/23/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDE	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDT	<2 ppb	N/A	EPA 8081
07/23/08	Aldrin	<2 ppb	N/A	EPA 8081
07/23/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/23/08	b-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/23/08	d-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
07/23/08	Endrin	<2 ppb	N/A	EPA 8081

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Lab No.: J0807740

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/23/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/23/08	g-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/23/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/23/08	Mitotane	<2 ppb	N/A	EPA 8081
07/23/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/23/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	16945 ppm	N/A	6010/E200.7
07/23/08	Antimony	1.12 ppm	N/A	6010/E200.7
07/23/08	Arsenic	1.23 ppm	N/A	6010/E200.7
07/23/08	Barium	143 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.484 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.51 ppm	N/A	6010/E200.7
07/23/08	Calcium	27077 ppm	N/A	6010/E200.7
07/23/08	Chromium	36.3 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	36.3 ppm	N/A	6010/E200.7
07/23/08	Cobalt	10.4 ppm	N/A	6010/E200.7
07/23/08	Copper	25.1 ppm	N/A	6010/E200.7
07/23/08	Iron	24315 ppm	N/A	6010/E200.7
07/23/08	Lead	35.3 ppm	N/A	6010/E200.7
07/23/08	Magnesium	22875 ppm	N/A	6010/E200.7
07/23/08	Manganese	586 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.113 ppm	N/A	7470/E245.1
07/23/08	Nickel	21 ppm	N/A	6010/E200.7
07/23/08	Potassium	3749 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	100 ppm	N/A	6010/E200.7

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	0.199 ppm	N/A	6010/E200.7
07/23/08	Vanadium	41.1 ppm	N/A	6010/E200.7
07/23/08	Zinc	224 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072659
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807741

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072659
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807741

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072659
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807741

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/26/08	4,4'-DDD	3253 ppb	N/A	EPA 8081
07/26/08	4,4'-DDE	909 ppb	N/A	EPA 8081
07/26/08	4,4'-DDT	2139 ppb	N/A	EPA 8081
07/26/08	Aldrin	<2 ppb	N/A	EPA 8081
07/26/08	a-BHC	<2 ppb	N/A	EPA 8081
07/26/08	Arochlor 1016	<50 ppb		SW 8082
07/26/08	Arochlor 1221	<50 ppb		SW 8082
07/26/08	Arochlor 1232	<50 ppb		SW 8082
07/26/08	Arochlor 1242	<50 ppb		SW 8082
07/26/08	Arochlor 1248	<50 ppb		SW 8082
07/26/08	Arochlor 1254	<50 ppb		SW 8082
07/26/08	Arochlor 1260	<50 ppb		SW 8082
07/26/08	b-BHC	<2 ppb	N/A	EPA 8081
07/26/08	Chlordane, alpha	275 ppb	N/A	EPA 8081
07/26/08	d-BHC	<2 ppb	N/A	EPA 8081
07/26/08	Dieldrin	840 ppb	N/A	EPA 8081
07/26/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/26/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/26/08	Endosulfan II	512 ppb	N/A	EPA 8081
07/26/08	Endosulfan Sulfate	15238 ppb	N/A	EPA 8081
07/26/08	Endrin	<2 ppb	N/A	EPA 8081

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Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072659
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807741

Date Analyzed	Test Name	Result	MCL	Method
07/26/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/26/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/26/08	g-BHC	1731 ppb	N/A	EPA 8081
07/26/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/26/08	Heptachlor epoxide	1966 ppb	N/A	EPA 8081
07/26/08	Methoxychlor	6073 ppb	N/A	EPA 8081
07/26/08	Mitotane	<2 ppb	N/A	EPA 8081
07/26/08	Parathion	<30 ppb	N/A	EPA 8081
07/26/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/26/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	6813 ppm	N/A	6010/E200.7
07/23/08	Antimony	0.678 ppm	N/A	6010/E200.7
07/23/08	Arsenic	2.58 ppm	N/A	6010/E200.7
07/23/08	Barium	1788 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.209 ppm	N/A	6010/E200.7
07/23/08	Cadmium	5.16 ppm	N/A	6010/E200.7
07/23/08	Calcium	5520 ppm	N/A	6010/E200.7
07/23/08	Chromium	24.5 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	24.5 ppm	N/A	6010/E200.7
07/23/08	Cobalt	23.9 ppm	N/A	6010/E200.7
07/23/08	Copper	31.5 ppm	N/A	6010/E200.7
07/23/08	Iron	11671 ppm	N/A	6010/E200.7
07/23/08	Lead	665 ppm	N/A	6010/E200.7
07/23/08	Magnesium	4327 ppm	N/A	6010/E200.7
07/23/08	Manganese	268 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.678 ppm	N/A	7470/E245.1
07/23/08	Nickel	22.8 ppm	N/A	6010/E200.7
07/23/08	Potassium	1511 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	160 ppm	N/A	6010/E200.7

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Mailing Information:
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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072659
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807741

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	48.3 ppm	N/A	6010/E200.7
07/23/08	Zinc	150 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

JMS Environmental Services, Inc.
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Impact Environmental: 1370

Mailing Information:
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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072660
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 8-9'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807742

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072660
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 8-9'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807742

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072660
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 8-9'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807742

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Impact Environmental: 1370

Mailing Information:
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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072660
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 8-9'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807742

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072660
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 8-9'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807742

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/26/08	4,4'-DDD	987 ppb	N/A	EPA 8081
07/26/08	4,4'-DDE	826 ppb	N/A	EPA 8081
07/26/08	4,4'-DDT	635 ppb	N/A	EPA 8081
07/26/08	Aldrin	<2 ppb	N/A	EPA 8081
07/26/08	a-BHC	<2 ppb	N/A	EPA 8081
07/26/08	Arochlor 1016	<50 ppb		SW 8082
07/26/08	Arochlor 1221	<50 ppb		SW 8082
07/26/08	Arochlor 1232	<50 ppb		SW 8082
07/26/08	Arochlor 1242	<50 ppb		SW 8082
07/26/08	Arochlor 1248	<50 ppb		SW 8082
07/26/08	Arochlor 1254	<50 ppb		SW 8082
07/26/08	Arochlor 1260	<50 ppb		SW 8082
07/26/08	b-BHC	<2 ppb	N/A	EPA 8081
07/26/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/26/08	d-BHC	<2 ppb	N/A	EPA 8081
07/26/08	Dieldrin	405 ppb	N/A	EPA 8081
07/26/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/26/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/26/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/26/08	Endosulfan Sulfate	3204 ppb	N/A	EPA 8081
07/26/08	Endrin	597 ppb	N/A	EPA 8081

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Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072660
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 8-9'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807742

Date Analyzed	Test Name	Result	MCL	Method
07/26/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/26/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/26/08	g-BHC	256 ppb	N/A	EPA 8081
07/26/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/26/08	Heptachlor epoxide	58 ppb	N/A	EPA 8081
07/26/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/26/08	Mitotane	<2 ppb	N/A	EPA 8081
07/26/08	Parathion	<30 ppb	N/A	EPA 8081
07/26/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/26/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	12607 ppm	N/A	6010/E200.7
07/23/08	Antimony	3.62 ppm	N/A	6010/E200.7
07/23/08	Arsenic	3.32 ppm	N/A	6010/E200.7
07/23/08	Barium	322 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.351 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.71 ppm	N/A	6010/E200.7
07/23/08	Calcium	13843 ppm	N/A	6010/E200.7
07/23/08	Chromium	36 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	36 ppm	N/A	6010/E200.7
07/23/08	Cobalt	12.9 ppm	N/A	6010/E200.7
07/23/08	Copper	39.3 ppm	N/A	6010/E200.7
07/23/08	Iron	26354 ppm	N/A	6010/E200.7
07/23/08	Lead	159 ppm	N/A	6010/E200.7
07/23/08	Magnesium	6808 ppm	N/A	6010/E200.7
07/23/08	Manganese	282 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.538 ppm	N/A	7470/E245.1
07/23/08	Nickel	23.6 ppm	N/A	6010/E200.7
07/23/08	Potassium	3336 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	0.302 ppm	N/A	6010/E200.7
07/23/08	Sodium	160 ppm	N/A	6010/E200.7

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Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072660
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 8-9'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807742

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	57.5 ppm	N/A	6010/E200.7
07/23/08	Zinc	275 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Impact Environmental: 1370

Mailing Information:
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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072661
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807743

Date Analyzed	Test Name	Result	MCL	Method
07/24/08	1,1,1,2-tetrachloroethane	961 ppb		EPA 8260
07/24/08	1,1,1-Trichloroethane	<500 ppb		EPA 8260
07/24/08	1,1,2,2-Tetrachloroethane	1384 ppb		EPA 8260
07/24/08	1,1,2-Trichloroethane	<500 ppb		EPA 8260
07/24/08	1,1-Dichloroethane	1028 ppb		EPA 8260
07/24/08	1,1-Dichloroethene	<500 ppb		EPA 8260
07/24/08	1,1-Dichloropropene	<500 ppb		EPA 8260
07/24/08	1,2,3-Trichlorobenzene	<500 ppb		EPA 8260
07/24/08	1,2,3-Trichloropropane	<500 ppb		EPA 8260
07/24/08	1,2,4,5-tetramethylbenzene	<500 ppb		EPA 8260
07/24/08	1,2,4-Trichlorobenzene	<500 ppb		EPA 8260
07/24/08	1,2,4-Trimethylbenzene	1187 ppb		EPA 8260
07/24/08	1,2-Dibromo-3-Chloropropane	<500 ppb		EPA 8260
07/24/08	1,2-Dibromoethane	<500 ppb		EPA 8260
07/24/08	1,2-Dichlorobenzene	1111 ppb		EPA 8260
07/24/08	1,2-Dichloroethane	756 ppb		EPA 8260
07/24/08	1,2-Dichloropropane	1028 ppb		EPA 8260
07/24/08	1,3,5-Trimethylbenzene	1131 ppb		EPA 8260
07/24/08	1,3-Dichlorobenzene	1155 ppb		EPA 8260
07/24/08	1,3-Dichloropropane	<500 ppb		EPA 8260
07/24/08	1,3-Dichloropropene(cis and tran	<500 ppb		EPA 8260
07/24/08	1,4-Dichlorobenzene	2360 ppb		EPA 8260
07/24/08	1,4-dioxane	<500 ppb		EPA 8260
07/24/08	2,2-Dichloropropane	<500 ppb		EPA 8260
07/24/08	2-Butanone (MEK)	<500 ppb		EPA 8260
07/24/08	2-Chlorotoluene	1163 ppb		EPA 8260
07/24/08	2-Hexanone	<500 ppb		EPA 8260
07/24/08	4-Chlorotoluene	1212 ppb		EPA 8260
07/24/08	4-Methyl-2-pentanone (MIBK)	<500 ppb		EPA 8260
07/24/08	Acetone	<500 ppb		EPA 8260
07/24/08	Acrylonitrile	<500 ppb		EPA 8260

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072661
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807743

Date Analyzed	Test Name	Result	MCL	Method
07/24/08	Benzene	<500 ppb		EPA 8260
07/24/08	Bromobenzene	<500 ppb		EPA 8260
07/24/08	Bromochloromethane	<500 ppb		EPA 8260
07/24/08	Bromodichloromethane	1694 ppb		EPA 8260
07/24/08	Bromoform	914 ppb		EPA 8260
07/24/08	Bromomethane	<500 ppb		EPA 8260
07/24/08	Carbon disulfide	<500 ppb		EPA 8260
07/24/08	Carbon tetrachloride	<500 ppb		EPA 8260
07/24/08	Chlorobenzene	<500 ppb		EPA 8260
07/24/08	Chlorodibromomethane	<500 ppb		EPA 8260
07/24/08	Chloroethane	<500 ppb		EPA 8260
07/24/08	Chloroform	591 ppb		EPA 8260
07/24/08	Chloromethane	<500 ppb		EPA 8260
07/24/08	cis-1,2-Dichloroethene	<500 ppb		EPA 8260
07/24/08	cis-1,3-Dichloropropene	931 ppb		EPA 8260
07/24/08	Dibromoethane	<500 ppb		EPA 8260
07/24/08	Dichlorodifluoromethane	<500 ppb		EPA 8260
07/24/08	Ethylbenzene	<500 ppb		EPA 8260
07/24/08	Freon 113	<500 ppb		EPA 8260
07/24/08	Isopropylbenzene	1070 ppb		EPA 8260
07/24/08	Methyl isobutyl ketone (MIBK)	<500 ppb		EPA 8260
07/24/08	Methylene Chloride	<500 ppb		EPA 8260
07/24/08	Methyl-tert-butyl-ether	<500 ppb		EPA 8260
07/24/08	n-Butylbenzene	1249 ppb		EPA 8260
07/24/08	n-Propylbenzene	1104 ppb		EPA 8260
07/24/08	p-Diethylbenzene	<500 ppb		EPA 8260
07/24/08	p-Ethyltoluene	<500 ppb		EPA 8260
07/24/08	p-Isopropyltoluene	75529 ppb		EPA 8260
07/24/08	sec-Butylbenzene	<500 ppb		EPA 8260
07/24/08	Styrene	1085 ppb		EPA 8260
07/24/08	tert-Butylbenzene	<500 ppb		EPA 8260

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Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072661
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807743

Date Analyzed	Test Name	Result	MCL	Method
07/24/08	Tetrachloroethene	517 ppb		EPA 8260
07/24/08	Toluene	852 ppb		EPA 8260
07/24/08	Total Xylenes	<500 ppb		EPA 8260
07/24/08	trans-1,2-Dichloroethene	<500 ppb		EPA 8260
07/24/08	trans-1,3-Dichloropropene	1116 ppb		EPA 8260
07/24/08	Trichloroethene	<500 ppb		EPA 8260
07/24/08	Trichlorofluoromethane	<500 ppb		EPA 8260
07/24/08	Vinyl Acetate	<500 ppb		EPA 8260
07/24/08	Vinyl chloride	<500 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072661
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Received: 7/22/2008
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Lab No.: J0807743

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Impact Environmental: 1370

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City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072661
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807743

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/28/08	4,4'-DDD	3241 ppb	N/A	EPA 8081
07/28/08	4,4'-DDE	1673 ppb	N/A	EPA 8081
07/28/08	4,4'-DDT	746 ppb	N/A	EPA 8081
07/28/08	Aldrin	<2 ppb	N/A	EPA 8081
07/28/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/28/08	b-BHC	<2 ppb	N/A	EPA 8081
07/28/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/28/08	d-BHC	<2 ppb	N/A	EPA 8081
07/28/08	Dieldrin	735 ppb	N/A	EPA 8081
07/28/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/28/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/28/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/28/08	Endosulfan Sulfate	869 ppb	N/A	EPA 8081
07/28/08	Endrin	<2 ppb	N/A	EPA 8081

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072661
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807743

Date Analyzed	Test Name	Result	MCL	Method
07/28/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/28/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/28/08	g-BHC	<2 ppb	N/A	EPA 8081
07/28/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/28/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/28/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/28/08	Mitotane	<2 ppb	N/A	EPA 8081
07/28/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/28/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	8559 ppm	N/A	6010/E200.7
07/23/08	Antimony	1.21 ppm	N/A	6010/E200.7
07/23/08	Arsenic	2.99 ppm	N/A	6010/E200.7
07/23/08	Barium	694 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.257 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.52 ppm	N/A	6010/E200.7
07/23/08	Calcium	27325 ppm	N/A	6010/E200.7
07/23/08	Chromium	14.5 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	14.5 ppm	N/A	6010/E200.7
07/23/08	Cobalt	5.74 ppm	N/A	6010/E200.7
07/23/08	Copper	28.8 ppm	N/A	6010/E200.7
07/23/08	Iron	16242 ppm	N/A	6010/E200.7
07/23/08	Lead	218 ppm	N/A	6010/E200.7
07/23/08	Magnesium	6044 ppm	N/A	6010/E200.7
07/23/08	Manganese	177 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.247 ppm	N/A	7470/E245.1
07/23/08	Nickel	16.3 ppm	N/A	6010/E200.7
07/23/08	Potassium	1328 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	335 ppm	N/A	6010/E200.7

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Collector's Information: **JMS ID:** 072661
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP4

Site: 25'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807743

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	65.3 ppm	N/A	6010/E200.7
07/23/08	Zinc	499 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072662
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807744

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Collector's Information: **JMS ID:** 072662
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807744

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072662
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807744

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Collector's Information: **JMS ID:** 072662
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807744

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072662
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807744

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/25/08	4,4'-DDD	530 ppb	N/A	EPA 8081
07/25/08	4,4'-DDE	418 ppb	N/A	EPA 8081
07/25/08	4,4'-DDT	482 ppb	N/A	EPA 8081
07/25/08	Aldrin	443 ppb	N/A	EPA 8081
07/25/08	a-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Arochlor 1016	<50 ppb		SW 8082
07/25/08	Arochlor 1221	<50 ppb		SW 8082
07/25/08	Arochlor 1232	<50 ppb		SW 8082
07/25/08	Arochlor 1242	<50 ppb		SW 8082
07/25/08	Arochlor 1248	<50 ppb		SW 8082
07/25/08	Arochlor 1254	<50 ppb		SW 8082
07/25/08	Arochlor 1260	<50 ppb		SW 8082
07/25/08	b-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/25/08	d-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan II	301 ppb	N/A	EPA 8081
07/25/08	Endosulfan Sulfate	1700 ppb	N/A	EPA 8081
07/25/08	Endrin	<2 ppb	N/A	EPA 8081

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Collector's Information: **JMS ID:** 072662
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807744

Date Analyzed	Test Name	Result	MCL	Method
07/25/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/25/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/25/08	g-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/25/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/25/08	Methoxychlor	863 ppb	N/A	EPA 8081
07/25/08	Mitotane	<2 ppb	N/A	EPA 8081
07/25/08	Parathion	<30 ppb	N/A	EPA 8081
07/25/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/25/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	6232 ppm	N/A	6010/E200.7
07/23/08	Antimony	0.833 ppm	N/A	6010/E200.7
07/23/08	Arsenic	4.89 ppm	N/A	6010/E200.7
07/23/08	Barium	135 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.286 ppm	N/A	6010/E200.7
07/23/08	Cadmium	0.898 ppm	N/A	6010/E200.7
07/23/08	Calcium	17075 ppm	N/A	6010/E200.7
07/23/08	Chromium	13.6 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	13.6 ppm	N/A	6010/E200.7
07/23/08	Cobalt	4.44 ppm	N/A	6010/E200.7
07/23/08	Copper	135 ppm	N/A	6010/E200.7
07/23/08	Iron	11963 ppm	N/A	6010/E200.7
07/23/08	Lead	156 ppm	N/A	6010/E200.7
07/23/08	Magnesium	9698 ppm	N/A	6010/E200.7
07/23/08	Manganese	154 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.594 ppm	N/A	7470/E245.1
07/23/08	Nickel	11 ppm	N/A	6010/E200.7
07/23/08	Potassium	723 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	0.644 ppm	N/A	6010/E200.7
07/23/08	Sodium	107 ppm	N/A	6010/E200.7

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41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072662
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807744

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	17.9 ppm	N/A	6010/E200.7
07/23/08	Zinc	176 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Impact Environmental: 1370

Mailing Information:
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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072663
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 5-6'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807745

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072663
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 5-6'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807745

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072663
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 5-6'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807745

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072663
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 5-6'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807745

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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State: NY **Zip:** 11716
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Collector's Information: **JMS ID:** 072663
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 5-6'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807745

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/25/08	4,4'-DDD	63.8 ppb	N/A	EPA 8081
07/25/08	4,4'-DDE	28.7 ppb	N/A	EPA 8081
07/25/08	4,4'-DDT	50 ppb	N/A	EPA 8081
07/25/08	Aldrin	<2 ppb	N/A	EPA 8081
07/25/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/25/08	b-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Chlordane, alpha	44.9 ppb	N/A	EPA 8081
07/25/08	d-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan Sulfate	275 ppb	N/A	EPA 8081
07/25/08	Endrin	<2 ppb	N/A	EPA 8081

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Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072663
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 5-6'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807745

Date Analyzed	Test Name	Result	MCL	Method
07/25/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/25/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/25/08	g-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/25/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/25/08	Methoxychlor	166 ppb	N/A	EPA 8081
07/25/08	Mitotane	<2 ppb	N/A	EPA 8081
07/25/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/25/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	6649 ppm	N/A	6010/E200.7
07/23/08	Antimony	0.985 ppm	N/A	6010/E200.7
07/23/08	Arsenic	4.71 ppm	N/A	6010/E200.7
07/23/08	Barium	200 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.318 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.27 ppm	N/A	6010/E200.7
07/23/08	Calcium	6786 ppm	N/A	6010/E200.7
07/23/08	Chromium	15.8 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	15.8 ppm	N/A	6010/E200.7
07/23/08	Cobalt	5.76 ppm	N/A	6010/E200.7
07/23/08	Copper	90.5 ppm	N/A	6010/E200.7
07/23/08	Iron	15242 ppm	N/A	6010/E200.7
07/23/08	Lead	278 ppm	N/A	6010/E200.7
07/23/08	Magnesium	2449 ppm	N/A	6010/E200.7
07/23/08	Manganese	190 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.936 ppm	N/A	7470/E245.1
07/23/08	Nickel	16.3 ppm	N/A	6010/E200.7
07/23/08	Potassium	979 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	0.13 ppm	N/A	6010/E200.7
07/23/08	Sodium	105 ppm	N/A	6010/E200.7

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072663
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP5

Site: 5-6'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807745

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	23.4 ppm	N/A	6010/E200.7
07/23/08	Zinc	298 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Impact Environmental: 1370

Mailing Information:
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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072664
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807746

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072664
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807746

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072664
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807746

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Phone:

Sample's Information: **Sample ID:** SP6

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Preservative: N/A
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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State: NY **Zip:** 11716
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Collector's Information: **JMS ID:** 072664
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807746

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/25/08	4,4'-DDD	150 ppb	N/A	EPA 8081
07/25/08	4,4'-DDE	62.3 ppb	N/A	EPA 8081
07/25/08	4,4'-DDT	53.7 ppb	N/A	EPA 8081
07/25/08	Aldrin	<2 ppb	N/A	EPA 8081
07/25/08	a-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Arochlor 1016	<50 ppb		SW 8082
07/25/08	Arochlor 1221	<50 ppb		SW 8082
07/25/08	Arochlor 1232	<50 ppb		SW 8082
07/25/08	Arochlor 1242	<50 ppb		SW 8082
07/25/08	Arochlor 1248	<50 ppb		SW 8082
07/25/08	Arochlor 1254	<50 ppb		SW 8082
07/25/08	Arochlor 1260	<50 ppb		SW 8082
07/25/08	b-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/25/08	d-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan Sulfate	908 ppb	N/A	EPA 8081
07/25/08	Endrin	<2 ppb	N/A	EPA 8081

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City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072664
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807746

Date Analyzed	Test Name	Result	MCL	Method
07/25/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/25/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/25/08	g-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/25/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/25/08	Methoxychlor	453 ppb	N/A	EPA 8081
07/25/08	Mitotane	<2 ppb	N/A	EPA 8081
07/25/08	Parathion	<30 ppb	N/A	EPA 8081
07/25/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/25/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	7416 ppm	N/A	6010/E200.7
07/23/08	Antimony	1.67 ppm	N/A	6010/E200.7
07/23/08	Arsenic	5.58 ppm	N/A	6010/E200.7
07/23/08	Barium	288 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.343 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.96 ppm	N/A	6010/E200.7
07/23/08	Calcium	30582 ppm	N/A	6010/E200.7
07/23/08	Chromium	23 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	23 ppm	N/A	6010/E200.7
07/23/08	Cobalt	8.03 ppm	N/A	6010/E200.7
07/23/08	Copper	90.5 ppm	N/A	6010/E200.7
07/23/08	Iron	21299 ppm	N/A	6010/E200.7
07/23/08	Lead	586 ppm	N/A	6010/E200.7
07/23/08	Magnesium	5316 ppm	N/A	6010/E200.7
07/23/08	Manganese	255 ppm	N/A	6010/E200.7
07/24/08	Mercury	1.2 ppm	N/A	7470/E245.1
07/23/08	Nickel	16.4 ppm	N/A	6010/E200.7
07/23/08	Potassium	1533 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	0.195 ppm	N/A	6010/E200.7
07/23/08	Sodium	175 ppm	N/A	6010/E200.7

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Collector's Information: **JMS ID:** 072664
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP6

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807746

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	25.2 ppm	N/A	6010/E200.7
07/23/08	Zinc	476 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Collector's Information: **JMS ID:** 072665
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 9'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807747

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072665
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 9'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807747

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 9'
Preservative: N/A
Temperature: <4
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Date Collected: 7/21/2008
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 9'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807747

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/25/08	4,4'-DDD	33.6 ppb	N/A	EPA 8081
07/25/08	4,4'-DDE	8.84 ppb	N/A	EPA 8081
07/25/08	4,4'-DDT	54.3 ppb	N/A	EPA 8081
07/25/08	Aldrin	<2 ppb	N/A	EPA 8081
07/25/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/25/08	b-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/25/08	d-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan Sulfate	1468 ppb	N/A	EPA 8081
07/25/08	Endrin	<2 ppb	N/A	EPA 8081

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City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072665
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 9'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807747

Date Analyzed	Test Name	Result	MCL	Method
07/25/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/25/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/25/08	g-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/25/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/25/08	Methoxychlor	669 ppb	N/A	EPA 8081
07/25/08	Mitotane	<2 ppb	N/A	EPA 8081
07/25/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/25/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	13800 ppm	N/A	6010/E200.7
07/23/08	Antimony	2.52 ppm	N/A	6010/E200.7
07/23/08	Arsenic	2.7 ppm	N/A	6010/E200.7
07/23/08	Barium	102 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.4 ppm	N/A	6010/E200.7
07/23/08	Cadmium	0.9 ppm	N/A	6010/E200.7
07/23/08	Calcium	2715 ppm	N/A	6010/E200.7
07/23/08	Chromium	23.6 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	23.6 ppm	N/A	6010/E200.7
07/23/08	Cobalt	8.03 ppm	N/A	6010/E200.7
07/23/08	Copper	18.7 ppm	N/A	6010/E200.7
07/23/08	Iron	17900 ppm	N/A	6010/E200.7
07/23/08	Lead	24.3 ppm	N/A	6010/E200.7
07/23/08	Magnesium	4243 ppm	N/A	6010/E200.7
07/23/08	Manganese	410 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.265 ppm	N/A	7470/E245.1
07/23/08	Nickel	14.5 ppm	N/A	6010/E200.7
07/23/08	Potassium	1350 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	139 ppm	N/A	6010/E200.7

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Collector's Information: **JMS ID:** 072665
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP10

Site: 9'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807747

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	29 ppm	N/A	6010/E200.7
07/23/08	Zinc	90.6 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

JMS Environmental Services, Inc.
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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072667
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP11

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807748

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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City: Bronx
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Site: 0-2'
Preservative: N/A
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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Preservative: N/A
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Matrix: Soil

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
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Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072667
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP11

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
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Lab No.: J0807748

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

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Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP11

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Received: 7/22/2008
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Lab No.: J0807748

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/23/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDE	<2 ppb	N/A	EPA 8081
07/23/08	4,4'-DDT	<2 ppb	N/A	EPA 8081
07/23/08	Aldrin	<2 ppb	N/A	EPA 8081
07/23/08	a-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Arochlor 1016	<50 ppb		SW 8082
07/23/08	Arochlor 1221	<50 ppb		SW 8082
07/23/08	Arochlor 1232	<50 ppb		SW 8082
07/23/08	Arochlor 1242	<50 ppb		SW 8082
07/23/08	Arochlor 1248	<50 ppb		SW 8082
07/23/08	Arochlor 1254	<50 ppb		SW 8082
07/23/08	Arochlor 1260	<50 ppb		SW 8082
07/23/08	b-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Chlordane, alpha	<2 ppb	N/A	EPA 8081
07/23/08	d-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Dieldrin	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/23/08	Endosulfan Sulfate	<2 ppb	N/A	EPA 8081
07/23/08	Endrin	<2 ppb	N/A	EPA 8081

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Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP11

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Received: 7/22/2008
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Lab No.: J0807748

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/23/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/23/08	g-BHC	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/23/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/23/08	Methoxychlor	<2 ppb	N/A	EPA 8081
07/23/08	Mitotane	<2 ppb	N/A	EPA 8081
07/23/08	Parathion	<30 ppb	N/A	EPA 8081
07/23/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/23/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	7677 ppm	N/A	6010/E200.7
07/23/08	Antimony	1.52 ppm	N/A	6010/E200.7
07/23/08	Arsenic	4.81 ppm	N/A	6010/E200.7
07/23/08	Barium	500 ppm	N/A	6010/E200.7
07/23/08	Beryllium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Cadmium	1.5 ppm	N/A	6010/E200.7
07/23/08	Calcium	45900 ppm	N/A	6010/E200.7
07/23/08	Chromium	21.6 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	21.6 ppm	N/A	6010/E200.7
07/23/08	Cobalt	6.93 ppm	N/A	6010/E200.7
07/23/08	Copper	50.6 ppm	N/A	6010/E200.7
07/23/08	Iron	23100 ppm	N/A	6010/E200.7
07/23/08	Lead	503 ppm	N/A	6010/E200.7
07/23/08	Magnesium	6160 ppm	N/A	6010/E200.7
07/23/08	Manganese	279 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.568 ppm	N/A	7470/E245.1
07/23/08	Nickel	16.1 ppm	N/A	6010/E200.7
07/23/08	Potassium	1772 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	211 ppm	N/A	6010/E200.7

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Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP11

Site: 0-2'
Preservative: N/A
Temperature: <4
Matrix: Soil

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Lab No.: J0807748

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	29.9 ppm	N/A	6010/E200.7
07/23/08	Zinc	382 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

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Collector's Information: **JMS ID:** 072668
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
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Phone:

Sample's Information: **Sample ID:** SP11

Site: 18'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	1,1,1,2-tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,1-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2,2-Tetrachloroethane	<5 ppb		EPA 8260
07/23/08	1,1,2-Trichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,1-Dichloroethene	<5 ppb		EPA 8260
07/23/08	1,1-Dichloropropene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,3-Trichloropropane	<5 ppb		EPA 8260
07/23/08	1,2,4,5-tetramethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2,4-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dibromo-3-Chloropropane	<5 ppb		EPA 8260
07/23/08	1,2-Dibromoethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,2-Dichloroethane	<5 ppb		EPA 8260
07/23/08	1,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3,5-Trimethylbenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropane	<5 ppb		EPA 8260
07/23/08	1,3-Dichloropropene(cis and tran	<5 ppb		EPA 8260
07/23/08	1,4-Dichlorobenzene	<5 ppb		EPA 8260
07/23/08	1,4-dioxane	<5 ppb		EPA 8260
07/23/08	2,2-Dichloropropane	<5 ppb		EPA 8260
07/23/08	2-Butanone (MEK)	<5 ppb		EPA 8260
07/23/08	2-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	2-Hexanone	<5 ppb		EPA 8260
07/23/08	4-Chlorotoluene	<5 ppb		EPA 8260
07/23/08	4-Methyl-2-pentanone (MIBK)	<5 ppb		EPA 8260
07/23/08	Acetone	<5 ppb		EPA 8260
07/23/08	Acrylonitrile	<5 ppb		EPA 8260

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Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Benzene	<5 ppb		EPA 8260
07/23/08	Bromobenzene	<5 ppb		EPA 8260
07/23/08	Bromochloromethane	<5 ppb		EPA 8260
07/23/08	Bromodichloromethane	<5 ppb		EPA 8260
07/23/08	Bromoform	<5 ppb		EPA 8260
07/23/08	Bromomethane	<5 ppb		EPA 8260
07/23/08	Carbon disulfide	<5 ppb		EPA 8260
07/23/08	Carbon tetrachloride	<5 ppb		EPA 8260
07/23/08	Chlorobenzene	<5 ppb		EPA 8260
07/23/08	Chlorodibromomethane	<5 ppb		EPA 8260
07/23/08	Chloroethane	<5 ppb		EPA 8260
07/23/08	Chloroform	<5 ppb		EPA 8260
07/23/08	Chloromethane	<5 ppb		EPA 8260
07/23/08	cis-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	cis-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Dibromoethane	<5 ppb		EPA 8260
07/23/08	Dichlorodifluoromethane	<5 ppb		EPA 8260
07/23/08	Ethylbenzene	<5 ppb		EPA 8260
07/23/08	Freon 113	<5 ppb		EPA 8260
07/23/08	Isopropylbenzene	<5 ppb		EPA 8260
07/23/08	Methyl isobutyl ketone (MIBK)	<5 ppb		EPA 8260
07/23/08	Methylene Chloride	<5 ppb		EPA 8260
07/23/08	Methyl-tert-butyl-ether	<5 ppb		EPA 8260
07/23/08	n-Butylbenzene	<5 ppb		EPA 8260
07/23/08	n-Propylbenzene	<5 ppb		EPA 8260
07/23/08	p-Diethylbenzene	<5 ppb		EPA 8260
07/23/08	p-Ethyltoluene	<5 ppb		EPA 8260
07/23/08	p-Isopropyltoluene	<5 ppb		EPA 8260
07/23/08	sec-Butylbenzene	<5 ppb		EPA 8260
07/23/08	Styrene	<5 ppb		EPA 8260
07/23/08	tert-Butylbenzene	<5 ppb		EPA 8260

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07/23/08	Tetrachloroethene	<5 ppb		EPA 8260
07/23/08	Toluene	<5 ppb		EPA 8260
07/23/08	Total Xylenes	<5 ppb		EPA 8260
07/23/08	trans-1,2-Dichloroethene	<5 ppb		EPA 8260
07/23/08	trans-1,3-Dichloropropene	<5 ppb		EPA 8260
07/23/08	Trichloroethene	<5 ppb		EPA 8260
07/23/08	Trichlorofluoromethane	<5 ppb		EPA 8260
07/23/08	Vinyl Acetate	<5 ppb		EPA 8260
07/23/08	Vinyl chloride	<5 ppb		EPA 8260
07/23/08	2,4,5-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4,6-Trichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dichlorophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dimethylphenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrophenol	<330 ppb		EPA 8270
07/23/08	2,4-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2,6-Dinitrotoluene	<330 ppb		EPA 8270
07/23/08	2-Chloronaphthalene	<330 ppb		EPA 8270
07/23/08	2-Chlorophenol	<330 ppb		EPA 8270
07/23/08	2-Methylnaphthalene	<330 ppb		EPA 8270
07/23/08	2-Methylphenol (o-Cresol)	<330 ppb		EPA 8270
07/23/08	2-Nitroaniline	<330 ppb		EPA 8270
07/23/08	2-Nitrophenol	<330 ppb		EPA 8270
07/23/08	3,3'-Dichlorobenzidine	<330 ppb		EPA 8270
07/23/08	3-Nitroaniline	<330 ppb		EPA 8270
07/23/08	4,6-Dinitro-2-methylphenol	<330 ppb		EPA 8270
07/23/08	4-Bromophenyl Phenyl Ether	<330 ppb		EPA 8270
07/23/08	4-Chloro-3-Methylphenol	<330 ppb		EPA 8270
07/23/08	4-Chloroaniline	<330 ppb		EPA 8270
07/23/08	4-Chlorophenylphenyl ether	<330 ppb		EPA 8270
07/23/08	4-Methylphenol (p-Cresol)	<330 ppb		EPA 8270
07/23/08	4-Nitroaniline	<330 ppb		EPA 8270

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Time Received: 7:00:00 AM
Lab No.: J0807749

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	4-Nitrophenol	<330 ppb		EPA 8270
07/23/08	Acenaphthene	<330 ppb		EPA 8270
07/23/08	Acenaphthylene	<330 ppb		EPA 8270
07/23/08	Aniline	<330 ppb		EPA 8270
07/23/08	Anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)anthracene	<330 ppb		EPA 8270
07/23/08	Benzo(a)pyrene	<330 ppb		EPA 8270
07/23/08	Benzo(b)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzo(g,h,i)perylene	<330 ppb		EPA 8270
07/23/08	Benzo(k)fluoranthene	<330 ppb		EPA 8270
07/23/08	Benzyl Alcohol	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethoxy)methane	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroethyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-Chloroisopropyl) ether	<330 ppb		EPA 8270
07/23/08	bis(2-ethylhexyl)phthalate	<330 ppb		EPA 8270
07/23/08	Benzyl Butyl Phthalate	<330 ppb		EPA 8270
07/23/08	Chrysene	<330 ppb		EPA 8270
07/23/08	Dibenz(a,h)anthracene	<330 ppb		EPA 8270
07/23/08	Dibenzofuran	<330 ppb		EPA 8270
07/23/08	Diethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Dimethyl Phthalate	<330 ppb		EPA 8270
07/23/08	Di-N-Butylyphthalate	<330 ppb		EPA 8270
07/23/08	Dinitrotoluene(2,4-/2,6-)	<330 ppb		EPA 8270
07/23/08	Di-n-octyl phthalate	<330 ppb		EPA 8270
07/23/08	Fluoranthene	<330 ppb		EPA 8270
07/23/08	Fluorene	<330 ppb		EPA 8270
07/23/08	Hexachlorobenzene	<330 ppb		EPA 8270
07/23/08	Hexachlorocyclopentadiene	<330 ppb		EPA 8270
07/23/08	Hexachlorobutadiene	<330 ppb		EPA 8270
07/23/08	Hexachloroethane	<330 ppb		EPA 8270
07/23/08	Indeno(1,2,3-cd)pyrene	<330 ppb		EPA 8270

JMS Environmental Services, Inc.
WATER, SOIL AND AIR ANALYSIS
41 Kenosia Avenue
Danbury, Connecticut 06810 | Telephone 203-798-2229

Impact Environmental: 1370

Mailing Information:
Name: Impact Environmental
Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072668
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP11

Site: 18'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807749

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Isophorone	<330 ppb		EPA 8270
07/23/08	m-Cresol	<330 ppb		EPA 8270
07/23/08	Naphthalene	<330 ppb		EPA 8270
07/23/08	Nitrobenzene	<330 ppb		EPA 8270
07/23/08	n-Nitrosodi-n-propylamine	<330 ppb		EPA 8270
07/23/08	n-Nitrosodiphenylamine	<330 ppb		EPA 8270
07/23/08	Pentachlorophenol	<330 ppb		EPA 8270
07/23/08	Phenanthrene	<330 ppb		EPA 8270
07/23/08	Phenol	<330 ppb		EPA 8270
07/23/08	Pyrene	<330 ppb		EPA 8270
07/25/08	4,4'-DDD	<2 ppb	N/A	EPA 8081
07/25/08	4,4'-DDE	198 ppb	N/A	EPA 8081
07/25/08	4,4'-DDT	510 ppb	N/A	EPA 8081
07/25/08	Aldrin	<2 ppb	N/A	EPA 8081
07/25/08	a-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Arochlor 1016	<50 ppb		SW 8082
07/25/08	Arochlor 1221	<50 ppb		SW 8082
07/25/08	Arochlor 1232	<50 ppb		SW 8082
07/25/08	Arochlor 1242	<50 ppb		SW 8082
07/25/08	Arochlor 1248	<50 ppb		SW 8082
07/25/08	Arochlor 1254	<50 ppb		SW 8082
07/25/08	Arochlor 1260	<50 ppb		SW 8082
07/25/08	b-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Chlordane, alpha	198 ppb	N/A	EPA 8081
07/25/08	d-BHC	<2 ppb	N/A	EPA 8081
07/25/08	Dieldrin	768 ppb	N/A	EPA 8081
07/25/08	Endosulfan	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan I	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan II	<2 ppb	N/A	EPA 8081
07/25/08	Endosulfan Sulfate	932 ppb	N/A	EPA 8081
07/25/08	Endrin	<2 ppb	N/A	EPA 8081

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Address: 170 Keyland Ct

City: Bohemia
State: NY **Zip:** 11716
Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072668
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP11

Site: 18'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807749

Date Analyzed	Test Name	Result	MCL	Method
07/25/08	Endrin Aldehyde	<2 ppb	N/A	EPA 8081
07/25/08	Endrin Ketone	<2 ppb	N/A	EPA 8081
07/25/08	g-BHC	106 ppb	N/A	EPA 8081
07/25/08	Heptachlor	<2 ppb	N/A	EPA 8081
07/25/08	Heptachlor epoxide	<2 ppb	N/A	EPA 8081
07/25/08	Methoxychlor	445 ppb	N/A	EPA 8081
07/25/08	Mitotane	<2 ppb	N/A	EPA 8081
07/25/08	Parathion	<30 ppb	N/A	EPA 8081
07/25/08	Polychlorinated biphenyls (PCBs	<50 ppb		SW 8082
07/25/08	Toxaphene	<100 ppb	N/A	EPA 8081
07/23/08	Aluminum	6562 ppm	N/A	6010/E200.7
07/23/08	Antimony	0.925 ppm	N/A	6010/E200.7
07/23/08	Arsenic	2.53 ppm	N/A	6010/E200.7
07/23/08	Barium	193 ppm	N/A	6010/E200.7
07/23/08	Beryllium	0.283 ppm	N/A	6010/E200.7
07/23/08	Cadmium	0.883 ppm	N/A	6010/E200.7
07/23/08	Calcium	19791 ppm	N/A	6010/E200.7
07/23/08	Chromium	18.8 ppm	N/A	6010/E200.7
07/23/08	Chromium, Trivalent	18.8 ppm	N/A	6010/E200.7
07/23/08	Cobalt	6.49 ppm	N/A	6010/E200.7
07/23/08	Copper	96.7 ppm	N/A	6010/E200.7
07/23/08	Iron	13206 ppm	N/A	6010/E200.7
07/23/08	Lead	130 ppm	N/A	6010/E200.7
07/23/08	Magnesium	4494 ppm	N/A	6010/E200.7
07/23/08	Manganese	164 ppm	N/A	6010/E200.7
07/24/08	Mercury	0.156 ppm	N/A	7470/E245.1
07/23/08	Nickel	12.1 ppm	N/A	6010/E200.7
07/23/08	Potassium	1891 ppm	N/A	6010/E200.7
07/23/08	Selenium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Silver	<0.1 ppm	N/A	6010/E200.7
07/23/08	Sodium	158 ppm	N/A	6010/E200.7

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City: Bohemia
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Phone: (631) 269-8800 **Fax:** (631) 269-1599

Collector's Information: **JMS ID:** 072668
Name: Erik Curran
Address of site: 60 W. 177th St & 92 W. Tremont

City: Bronx
State: NY **Zip:**
Phone:

Sample's Information: **Sample ID:** SP11

Site: 18'
Preservative: N/A
Temperature: <4
Matrix: Soil

Date Collected: 7/21/2008
Time Collected: 2:00:00 PM

Date Received: 7/22/2008
Time Received: 7:00:00 AM
Lab No.: J0807749

Date Analyzed	Test Name	Result	MCL	Method
07/23/08	Thallium	<0.1 ppm	N/A	6010/E200.7
07/23/08	Vanadium	29 ppm	N/A	6010/E200.7
07/23/08	Zinc	188 ppm	N/A	6010/E200.7

MCL = Maximum Contaminant Level **N/A = Not Applicable** **ppb = parts per billion**
ppm = parts per million

Signature: Michael Lapman
Michael Lapman
President

Reviewed By: Sharon Houlahan
Sharon Houlahan, Director

State #: PH-0218 **ELAP #: 11715** **Ref Lab: 11301,**

Impact Environmental
Remedial Investigation Report
BCP # 12CBCPO16X

Appendix G:
Laboratory Data Deliverables for Groundwater Analytical Data

ANALYTICAL CHEMISTS

59-01 Central Ave.
Farmingdale, NY 11735

Tel: (631) 414-7685
Fax: (631) 414-7688

April 04, 2011

James Cressy
Impact Environmental
170 Keyland Court
Bohemia, NY 11716

RE: W. Tremont

Enclosed are the results of analyses for samples received by the laboratory on 03/04/11 15:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joseph P. Shaulys

ANALYTICAL CHEMISTS
Ac Laboratory

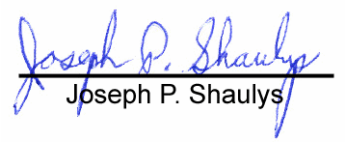
59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 (5-8 fbg)	1103051-01	Soil	02/28/11 10:40	03/04/11 15:00
SB-2 (10-15 fbg)	1103051-02	Soil	02/28/11 11:40	03/04/11 15:00
SB-3 (10-15 fbg)	1103051-03	Soil	02/28/11 12:45	03/04/11 15:00
SB-4 (10-15 fbg)	1103051-04	Soil	02/28/11 13:30	03/04/11 15:00
SB-5 (10-11.5 fbg)	1103051-05	Soil	03/03/11 11:30	03/04/11 15:00
SB-6 (10-13 fbg)	1103051-06	Soil	03/03/11 11:20	03/04/11 15:00
MW-1 (20 fbg)	1103051-07	Soil	03/01/11 12:30	03/04/11 15:00
MW-2 (15-16 fbg)	1103051-08	Soil	03/01/11 14:50	03/04/11 15:00
MW-3 (5-8.5 fbg)	1103051-09	Soil	03/02/11 10:45	03/04/11 15:00
MW-4 (15-20 fbg)	1103051-10	Soil	03/02/11 14:20	03/04/11 15:00
MW-5 (15-20 fbg)	1103051-11	Soil	03/03/11 14:40	03/04/11 15:00
MW-6 (10-15 fbg)	1103051-12	Soil	03/03/11 15:15	03/04/11 15:00
MW-1	1103051-13	Groundwater	03/04/11 09:05	03/04/11 15:00
MW-2	1103051-14	Groundwater	03/04/11 09:00	03/04/11 15:00
MW-3	1103051-15	Groundwater	03/04/11 09:15	03/04/11 15:00
MW-4	1103051-16	Groundwater	03/04/11 08:55	03/04/11 15:00
MW-5	1103051-17	Groundwater	03/04/11 13:10	03/04/11 15:00
SB-1 (0-5 fbg)	1103051-18	Soil	02/28/11 10:35	03/04/11 15:00
SB-2 (5-10 fbg)	1103051-19	Soil	02/28/11 11:35	03/04/11 15:00
SB-3 (5-10 fbg)	1103051-20	Soil	02/28/11 11:55	03/04/11 15:00
SB-4 (5-10 fbg)	1103051-21	Soil	02/28/11 13:20	03/04/11 15:00

Analytical Chemists Laboratory, LLC.



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ANALYTICAL CHEMISTS
Ac Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-1 (5-8 fbg)

1103051-01 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acetone	<12.0	12.0	ug/kg dry	VNS	03/07/11 21:34	SW 8260B	
Acrylonitrile	<5.99	5.99	"	VNS	"	"	
Benzene	<1.20	1.20	"	VNS	"	"	
Bromodichloromethane	<5.99	5.99	"	VNS	"	"	
Bromoform	<1.20	1.20	"	VNS	"	"	
Bromomethane	<2.40	2.40	"	VNS	"	"	
sec-Butylbenzene	<1.20	1.20	"	VNS	"	"	
n-Butylbenzene	<1.20	1.20	"	VNS	"	"	
tert-Butylbenzene	<1.20	1.20	"	VNS	"	"	
Carbon Tetrachloride	<2.40	2.40	"	VNS	"	"	
Chlorobenzene	<1.20	1.20	"	VNS	"	"	
Chloroform	<1.20	1.20	"	VNS	"	"	
Chloromethane	<2.40	2.40	"	VNS	"	"	
Dibromochloromethane	<5.99	5.99	"	VNS	"	"	
1,2-Dichlorobenzene	<1.20	1.20	"	VNS	"	"	
1,3-Dichlorobenzene	<2.40	2.40	"	VNS	"	"	
1,4-Dichlorobenzene	<1.20	1.20	"	VNS	"	"	
1,1-Dichloroethane	<2.40	2.40	"	VNS	"	"	
1,2-Dichloroethane	<1.20	1.20	"	VNS	"	"	
1,1-Dichloroethene	<1.20	1.20	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.20	1.20	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.20	1.20	"	VNS	"	"	
1,2-Dichloropropane	<2.40	2.40	"	VNS	"	"	
Ethylbenzene	<2.40	2.40	"	VNS	"	"	
Hexachlorobutadiene	<1.20	1.20	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.20	1.20	"	VNS	"	"	
Methylene Chloride	<12.0	12.0	"	VNS	"	"	
Methyl Ethyl Ketone	<2.40	2.40	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.99	5.99	"	VNS	"	"	
Naphthalene	<5.99	5.99	"	VNS	"	"	
n-Propylbenzene	<2.40	2.40	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.40	2.40	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.20	1.20	"	VNS	"	"	
Tetrachloroethene	**12.6**	1.20	"	VNS	"	"	
Toluene	<1.20	1.20	"	VNS	"	"	

Analytical Chemists Laboratory, LLC.

Joseph P. Shaulys

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ANALYTICAL CHEMISTS
Ac Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-1 (5-8 fbg)

1103051-01 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,2,4-Trichlorobenzene	<1.20	1.20	ug/kg dry	VNS	03/07/11 21:34	SW 8260B	
1,1,1-Trichloroethane	<1.20	1.20	"	VNS	"	"	
1,1,2-Trichloroethane	<2.40	2.40	"	VNS	"	"	
Trichloroethene	<1.20	1.20	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.20	1.20	"	VNS	"	"	
1,3,5-Trimethylbenzene	<1.20	1.20	"	VNS	"	"	
Vinyl chloride	<5.99	5.99	"	VNS	"	"	
m,p-Xylene	<2.40	2.40	"	VNS	"	"	
o-Xylene	<1.20	1.20	"	VNS	"	"	
1,4-Dioxane	<59.9	59.9	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-2 (10-15 fbg)

1103051-02 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acetone	**24.0**	10.0	ug/kg dry	VNS	03/07/11 22:06	SW 8260B	
Acrylonitrile	<5.02	5.02	"	VNS	"	"	
Benzene	<1.00	1.00	"	VNS	"	"	
Bromodichloromethane	<5.02	5.02	"	VNS	"	"	
Bromoform	<1.00	1.00	"	VNS	"	"	
Bromomethane	<2.01	2.01	"	VNS	"	"	
sec-Butylbenzene	<1.00	1.00	"	VNS	"	"	
n-Butylbenzene	<1.00	1.00	"	VNS	"	"	
tert-Butylbenzene	<1.00	1.00	"	VNS	"	"	
Carbon Tetrachloride	<2.01	2.01	"	VNS	"	"	
Chlorobenzene	<1.00	1.00	"	VNS	"	"	
Chloroform	<1.00	1.00	"	VNS	"	"	
Chloromethane	<2.01	2.01	"	VNS	"	"	
Dibromochloromethane	<5.02	5.02	"	VNS	"	"	
1,2-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,3-Dichlorobenzene	<2.01	2.01	"	VNS	"	"	
1,4-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethane	<2.01	2.01	"	VNS	"	"	
1,2-Dichloroethane	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethene	<1.00	1.00	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.00	1.00	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.00	1.00	"	VNS	"	"	
1,2-Dichloropropane	<2.01	2.01	"	VNS	"	"	
Ethylbenzene	<2.01	2.01	"	VNS	"	"	
Hexachlorobutadiene	<1.00	1.00	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.00	1.00	"	VNS	"	"	
Methylene Chloride	<10.0	10.0	"	VNS	"	"	
Methyl Ethyl Ketone	<2.01	2.01	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.02	5.02	"	VNS	"	"	
Naphthalene	<5.02	5.02	"	VNS	"	"	
n-Propylbenzene	<2.01	2.01	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.01	2.01	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.00	1.00	"	VNS	"	"	
Tetrachloroethene	<1.00	1.00	"	VNS	"	"	
Toluene	<1.00	1.00	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.00	1.00	"	VNS	"	"	

Analytical Chemists Laboratory, LLC.

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ANALYTICAL CHEMISTS
Ac Laboratory

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Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-2 (10-15 fbg)

1103051-02 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,1,1-Trichloroethane	<1.00	1.00	ug/kg dry	VNS	03/07/11 22:06	SW 8260B	
1,1,2-Trichloroethane	<2.01	2.01	"	VNS	"	"	
Trichloroethene	<1.00	1.00	"	VNS	"	"	
1,2,4-Trimethylbenzene	**1.13**	1.00	"	VNS	"	"	B
1,3,5-Trimethylbenzene	<1.00	1.00	"	VNS	"	"	
Vinyl chloride	<5.02	5.02	"	VNS	"	"	
o-Xylene	<1.00	1.00	"	VNS	"	"	
m,p-Xylene	<2.01	2.01	"	VNS	"	"	
1,4-Dioxane	<50.2	50.2	"	VNS	"	"	

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Ac Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-3 (10-15 fbg)

1103051-03 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acetone	**31.5**	11.2	ug/kg dry	VNS	03/07/11 22:37	SW 8260B	
Acrylonitrile	<5.61	5.61	"	VNS	"	"	
Benzene	<1.12	1.12	"	VNS	"	"	
Bromodichloromethane	<5.61	5.61	"	VNS	"	"	
Bromoform	<1.12	1.12	"	VNS	"	"	
Bromomethane	<2.24	2.24	"	VNS	"	"	
sec-Butylbenzene	<1.12	1.12	"	VNS	"	"	
n-Butylbenzene	<1.12	1.12	"	VNS	"	"	
tert-Butylbenzene	<1.12	1.12	"	VNS	"	"	
Carbon Tetrachloride	<2.24	2.24	"	VNS	"	"	
Chlorobenzene	<1.12	1.12	"	VNS	"	"	
Chloroform	<1.12	1.12	"	VNS	"	"	
Chloromethane	<2.24	2.24	"	VNS	"	"	
Dibromochloromethane	<5.61	5.61	"	VNS	"	"	
1,2-Dichlorobenzene	<1.12	1.12	"	VNS	"	"	
1,3-Dichlorobenzene	<2.24	2.24	"	VNS	"	"	
1,4-Dichlorobenzene	<1.12	1.12	"	VNS	"	"	
1,1-Dichloroethane	<2.24	2.24	"	VNS	"	"	
1,2-Dichloroethane	<1.12	1.12	"	VNS	"	"	
1,1-Dichloroethene	<1.12	1.12	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.12	1.12	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.12	1.12	"	VNS	"	"	
1,2-Dichloropropane	<2.24	2.24	"	VNS	"	"	
Ethylbenzene	<2.24	2.24	"	VNS	"	"	
Hexachlorobutadiene	<1.12	1.12	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.12	1.12	"	VNS	"	"	
Methylene Chloride	<11.2	11.2	"	VNS	"	"	
Methyl Ethyl Ketone	<2.24	2.24	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.61	5.61	"	VNS	"	"	
Naphthalene	<5.61	5.61	"	VNS	"	"	
n-Propylbenzene	<2.24	2.24	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.24	2.24	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.12	1.12	"	VNS	"	"	
Tetrachloroethene	<1.12	1.12	"	VNS	"	"	
Toluene	<1.12	1.12	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.12	1.12	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-3 (10-15 fbg)

1103051-03 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,1,1-Trichloroethane	<1.12	1.12	ug/kg dry	VNS	03/07/11 22:37	SW 8260B	
1,1,2-Trichloroethane	<2.24	2.24	"	VNS	"	"	
Trichloroethene	<1.12	1.12	"	VNS	"	"	
1,2,4-Trimethylbenzene	**1.13**	1.12	"	VNS	"	"	B
1,3,5-Trimethylbenzene	<1.12	1.12	"	VNS	"	"	
Vinyl chloride	<5.61	5.61	"	VNS	"	"	
o-Xylene	<1.12	1.12	"	VNS	"	"	
m,p-Xylene	<2.24	2.24	"	VNS	"	"	
1,4-Dioxane	<56.1	56.1	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-4 (10-15 fbg)

1103051-04 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acetone	**28.7**	10.9	ug/kg dry	VNS	03/07/11 23:09	SW 8260B	
Acrylonitrile	<5.43	5.43	"	VNS	"	"	
Benzene	<1.09	1.09	"	VNS	"	"	
Bromodichloromethane	<5.43	5.43	"	VNS	"	"	
Bromoform	<1.09	1.09	"	VNS	"	"	
Bromomethane	<2.17	2.17	"	VNS	"	"	
sec-Butylbenzene	<1.09	1.09	"	VNS	"	"	
n-Butylbenzene	<1.09	1.09	"	VNS	"	"	
tert-Butylbenzene	<1.09	1.09	"	VNS	"	"	
Carbon Tetrachloride	<2.17	2.17	"	VNS	"	"	
Chlorobenzene	<1.09	1.09	"	VNS	"	"	
Chloroform	<1.09	1.09	"	VNS	"	"	
Chloromethane	<2.17	2.17	"	VNS	"	"	
Dibromochloromethane	<5.43	5.43	"	VNS	"	"	
1,2-Dichlorobenzene	<1.09	1.09	"	VNS	"	"	
1,3-Dichlorobenzene	<2.17	2.17	"	VNS	"	"	
1,4-Dichlorobenzene	<1.09	1.09	"	VNS	"	"	
1,1-Dichloroethane	<2.17	2.17	"	VNS	"	"	
1,2-Dichloroethane	<1.09	1.09	"	VNS	"	"	
1,1-Dichloroethene	<1.09	1.09	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.09	1.09	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.09	1.09	"	VNS	"	"	
1,2-Dichloropropane	<2.17	2.17	"	VNS	"	"	
Ethylbenzene	<2.17	2.17	"	VNS	"	"	
Hexachlorobutadiene	<1.09	1.09	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.09	1.09	"	VNS	"	"	
Methylene Chloride	<10.9	10.9	"	VNS	"	"	
Methyl Ethyl Ketone	<2.17	2.17	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.43	5.43	"	VNS	"	"	
Naphthalene	<5.43	5.43	"	VNS	"	"	
n-Propylbenzene	<2.17	2.17	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.17	2.17	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.09	1.09	"	VNS	"	"	
Tetrachloroethene	<1.09	1.09	"	VNS	"	"	
Toluene	<1.09	1.09	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.09	1.09	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-4 (10-15 fbg)

1103051-04 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,1,1-Trichloroethane	<1.09	1.09	ug/kg dry	VNS	03/07/11 23:09	SW 8260B	
1,1,2-Trichloroethane	<2.17	2.17	"	VNS	"	"	
Trichloroethene	<1.09	1.09	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.09	1.09	"	VNS	"	"	
1,3,5-Trimethylbenzene	<1.09	1.09	"	VNS	"	"	
Vinyl chloride	<5.43	5.43	"	VNS	"	"	
m,p-Xylene	<2.17	2.17	"	VNS	"	"	
o-Xylene	<1.09	1.09	"	VNS	"	"	
1,4-Dioxane	<54.3	54.3	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-5 (10-11.5 fbg)

1103051-05 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acetone	**32.4**	10.9	ug/kg dry	VNS	03/07/11 23:40	SW 8260B	
Acrylonitrile	<5.45	5.45	"	VNS	"	"	
Benzene	<1.09	1.09	"	VNS	"	"	
Bromodichloromethane	<5.45	5.45	"	VNS	"	"	
Bromoform	<1.09	1.09	"	VNS	"	"	
Bromomethane	<2.18	2.18	"	VNS	"	"	
sec-Butylbenzene	<1.09	1.09	"	VNS	"	"	
n-Butylbenzene	<1.09	1.09	"	VNS	"	"	
tert-Butylbenzene	<1.09	1.09	"	VNS	"	"	
Carbon Tetrachloride	<2.18	2.18	"	VNS	"	"	
Chlorobenzene	<1.09	1.09	"	VNS	"	"	
Chloroform	<1.09	1.09	"	VNS	"	"	
Chloromethane	<2.18	2.18	"	VNS	"	"	
Dibromochloromethane	<5.45	5.45	"	VNS	"	"	
1,2-Dichlorobenzene	<1.09	1.09	"	VNS	"	"	
1,3-Dichlorobenzene	<2.18	2.18	"	VNS	"	"	
1,4-Dichlorobenzene	<1.09	1.09	"	VNS	"	"	
1,1-Dichloroethane	<2.18	2.18	"	VNS	"	"	
1,2-Dichloroethane	<1.09	1.09	"	VNS	"	"	
1,1-Dichloroethene	<1.09	1.09	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.09	1.09	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.09	1.09	"	VNS	"	"	
1,2-Dichloropropane	<2.18	2.18	"	VNS	"	"	
Ethylbenzene	<2.18	2.18	"	VNS	"	"	
Hexachlorobutadiene	<1.09	1.09	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.09	1.09	"	VNS	"	"	
Methylene Chloride	<10.9	10.9	"	VNS	"	"	
Methyl Ethyl Ketone	<2.18	2.18	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.45	5.45	"	VNS	"	"	
Naphthalene	<5.45	5.45	"	VNS	"	"	
n-Propylbenzene	<2.18	2.18	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.18	2.18	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.09	1.09	"	VNS	"	"	
Tetrachloroethene	<1.09	1.09	"	VNS	"	"	
Toluene	<1.09	1.09	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.09	1.09	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-5 (10-11.5 fbg)

1103051-05 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,1,1-Trichloroethane	<1.09	1.09	ug/kg dry	VNS	03/07/11 23:40	SW 8260B	
1,1,2-Trichloroethane	<2.18	2.18	"	VNS	"	"	
Trichloroethene	<1.09	1.09	"	VNS	"	"	
1,2,4-Trimethylbenzene	**1.71**	1.09	"	VNS	"	"	B
1,3,5-Trimethylbenzene	<1.09	1.09	"	VNS	"	"	
Vinyl chloride	<5.45	5.45	"	VNS	"	"	
m,p-Xylene	<2.18	2.18	"	VNS	"	"	
o-Xylene	<1.09	1.09	"	VNS	"	"	
1,4-Dioxane	<54.5	54.5	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-6 (10-13 fbg)

1103051-06 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acetone	**31.3**	11.3	ug/kg dry	VNS	03/08/11 00:12	SW 8260B	
Acrylonitrile	<5.66	5.66	"	VNS	"	"	
Benzene	<1.13	1.13	"	VNS	"	"	
Bromodichloromethane	<5.66	5.66	"	VNS	"	"	
Bromoform	<1.13	1.13	"	VNS	"	"	
Bromomethane	<2.27	2.27	"	VNS	"	"	
sec-Butylbenzene	<1.13	1.13	"	VNS	"	"	
n-Butylbenzene	<1.13	1.13	"	VNS	"	"	
tert-Butylbenzene	<1.13	1.13	"	VNS	"	"	
Carbon Tetrachloride	<2.27	2.27	"	VNS	"	"	
Chlorobenzene	<1.13	1.13	"	VNS	"	"	
Chloroform	<1.13	1.13	"	VNS	"	"	
Chloromethane	<2.27	2.27	"	VNS	"	"	
Dibromochloromethane	<5.66	5.66	"	VNS	"	"	
1,2-Dichlorobenzene	<1.13	1.13	"	VNS	"	"	
1,3-Dichlorobenzene	<2.27	2.27	"	VNS	"	"	
1,4-Dichlorobenzene	<1.13	1.13	"	VNS	"	"	
1,1-Dichloroethane	<2.27	2.27	"	VNS	"	"	
1,2-Dichloroethane	<1.13	1.13	"	VNS	"	"	
1,1-Dichloroethene	<1.13	1.13	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.13	1.13	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.13	1.13	"	VNS	"	"	
1,2-Dichloropropane	<2.27	2.27	"	VNS	"	"	
Ethylbenzene	<2.27	2.27	"	VNS	"	"	
Hexachlorobutadiene	<1.13	1.13	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.13	1.13	"	VNS	"	"	
Methylene Chloride	<11.3	11.3	"	VNS	"	"	
Methyl Ethyl Ketone	<2.27	2.27	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.66	5.66	"	VNS	"	"	
Naphthalene	<5.66	5.66	"	VNS	"	"	
n-Propylbenzene	<2.27	2.27	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.27	2.27	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.13	1.13	"	VNS	"	"	
Tetrachloroethene	<1.13	1.13	"	VNS	"	"	
Toluene	<1.13	1.13	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.13	1.13	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-6 (10-13 fbg)

1103051-06 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,1,1-Trichloroethane	<1.13	1.13	ug/kg dry	VNS	03/08/11 00:12	SW 8260B	
1,1,2-Trichloroethane	<2.27	2.27	"	VNS	"	"	
Trichloroethene	<1.13	1.13	"	VNS	"	"	
1,2,4-Trimethylbenzene	**1.44**	1.13	"	VNS	"	"	B
1,3,5-Trimethylbenzene	<1.13	1.13	"	VNS	"	"	
Vinyl chloride	<5.66	5.66	"	VNS	"	"	
m,p-Xylene	<2.27	2.27	"	VNS	"	"	
o-Xylene	<1.13	1.13	"	VNS	"	"	
1,4-Dioxane	<56.6	56.6	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-1 (20 fbg)

1103051-07 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Total Metals							
Arsenic	<2.23	2.23	mg/kg dry	MEM	03/07/11 15:57	SW 6010B	
Barium	**185**	2.23	"	MEM	03/08/11 15:28	"	
Beryllium	<0.223	0.223	"	MEM	03/07/11 15:57	"	
Cadmium	**7.66**	1.11	"	MEM	"	"	
Chromium	**12.7**	1.11	"	MEM	"	"	
Hexavalent Chromium	<1.02	1.02	"	HT	03/07/11 13:02	SW 7196A	
Copper	**28.0**	0.223	"	MEM	03/07/11 15:57	SW 6010B	
Lead	**2.60**	2.23	"	MEM	"	"	
Manganese	**349**	2.23	"	MEM	03/08/11 15:28	"	
Mercury	<0.018	0.018	"	MEM	03/10/11 16:48	SW 7471A	
Nickel	**20.8**	1.11	"	MEM	03/07/11 15:57	SW 6010B	
Chromium, Trivalent	**10.8**	1.80	mg/kg	HT	"	CALC	
Selenium	<1.11	1.11	mg/kg dry	MEM	"	SW 6010B	
Silver	<1.11	1.11	"	MEM	"	"	
Zinc	**62.0**	1.11	"	MEM	"	"	
CN Total							
Cyanide	<0.639	0.639	mg/kg dry	JD	03/07/11 17:04	EPA 9010B	
VOA MS							
Acetone	**26.5**	11.8	ug/kg dry	VNS	03/08/11 03:21	SW 8260B	
Acrylonitrile	<5.92	5.92	"	VNS	"	"	
Benzene	<1.18	1.18	"	VNS	"	"	
Bromodichloromethane	<5.92	5.92	"	VNS	"	"	
Bromoform	<1.18	1.18	"	VNS	"	"	
Bromomethane	<2.37	2.37	"	VNS	"	"	
sec-Butylbenzene	<1.18	1.18	"	VNS	"	"	
n-Butylbenzene	<1.18	1.18	"	VNS	"	"	
tert-Butylbenzene	<1.18	1.18	"	VNS	"	"	
Carbon Tetrachloride	<2.37	2.37	"	VNS	"	"	
Chlorobenzene	<1.18	1.18	"	VNS	"	"	
Chloroform	<1.18	1.18	"	VNS	"	"	
Chloromethane	<2.37	2.37	"	VNS	"	"	
Dibromochloromethane	<5.92	5.92	"	VNS	"	"	
1,2-Dichlorobenzene	<1.18	1.18	"	VNS	"	"	
1,3-Dichlorobenzene	<2.37	2.37	"	VNS	"	"	
1,4-Dichlorobenzene	<1.18	1.18	"	VNS	"	"	

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Ac Laboratory

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Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-1 (20 fbg)

1103051-07 (Soil)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Analytical Chemists Laboratory, LLC.							
VOA MS							
1,1-Dichloroethane	<2.37	2.37	ug/kg dry	VNS	03/08/11 03:21	SW 8260B	
1,2-Dichloroethane	<1.18	1.18	"	VNS	"	"	
1,1-Dichloroethene	<1.18	1.18	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.18	1.18	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.18	1.18	"	VNS	"	"	
1,2-Dichloropropane	<2.37	2.37	"	VNS	"	"	
Ethylbenzene	<2.37	2.37	"	VNS	"	"	
Hexachlorobutadiene	<1.18	1.18	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.18	1.18	"	VNS	"	"	
Methylene Chloride	**12.6**	11.8	"	VNS	"	"	
Methyl Ethyl Ketone	<2.37	2.37	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.92	5.92	"	VNS	"	"	
Naphthalene	<5.92	5.92	"	VNS	"	"	
n-Propylbenzene	<2.37	2.37	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.37	2.37	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.18	1.18	"	VNS	"	"	
Tetrachloroethene	<1.18	1.18	"	VNS	"	"	
Toluene	<1.18	1.18	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.18	1.18	"	VNS	"	"	
1,1,1-Trichloroethane	<1.18	1.18	"	VNS	"	"	
1,1,2-Trichloroethane	<2.37	2.37	"	VNS	"	"	
Trichloroethene	<1.18	1.18	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.18	1.18	"	VNS	"	"	
1,3,5-Trimethylbenzene	<1.18	1.18	"	VNS	"	"	
Vinyl chloride	<5.92	5.92	"	VNS	"	"	
o-Xylene	<1.18	1.18	"	VNS	"	"	
m,p-Xylene	<2.37	2.37	"	VNS	"	"	
1,4-Dioxane	<59.2	59.2	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-1 (20 fbg)

1103051-07 (Soil)

Analytical Chemists Laboratory, LLC.

SVOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acenaphthene	<118	118	ug/kg dry	VM	03/10/11 12:51	EPA 8270C	
Acenaphthylene	<118	118	"	VM	"	"	
Anthracene	<237	237	"	VM	"	"	
Benzo (a) anthracene	<118	118	"	VM	"	"	
Benzo (b) fluoranthene	<592	592	"	VM	"	"	
Benzo (k) fluoranthene	<237	237	"	VM	"	"	
Benzo (g,h,i) perylene	<118	118	"	VM	"	"	
Benzo (a) pyrene	<118	118	"	VM	"	"	
Benzyl alcohol	<592	592	"	VM	"	"	
Bis(2-chloroethyl)ether	<237	237	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<237	237	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	**1170**	237	"	VM	"	"	
Butyl benzyl phthalate	<592	592	"	VM	"	"	
4-Chloroaniline	<592	592	"	VM	"	"	
4-Chloro-3-methylphenol	<237	237	"	VM	"	"	
2-Chlorophenol	<237	237	"	VM	"	"	
Chrysene	<237	237	"	VM	"	"	
Dibenz (a,h) anthracene	<237	237	"	VM	"	"	
Dibenzofuran	<592	592	"	VM	"	"	
Di-n-butyl phthalate	<237	237	"	VM	"	"	
3,3´-Dichlorobenzidine	<592	592	"	VM	"	"	
2,4-Dichlorophenol	<237	237	"	VM	"	"	
Diethyl phthalate	<237	237	"	VM	"	"	
2,4-Dimethylphenol	<1180	1180	"	VM	"	"	
Dimethyl phthalate	<118	118	"	VM	"	"	
2,4-Dinitrophenol	<592	592	"	VM	"	"	
2,4-Dinitrotoluene	<237	237	"	VM	"	"	
2,6-Dinitrotoluene	<237	237	"	VM	"	"	
Di-n-octyl phthalate	<592	592	"	VM	"	"	
Fluoranthene	<118	118	"	VM	"	"	
Fluorene	<237	237	"	VM	"	"	
Hexachlorobenzene	<237	237	"	VM	"	"	
Hexachlorobutadiene	<237	237	"	VM	"	"	
Hexachlorocyclopentadiene	<1180	1180	"	VM	"	"	
Hexachloroethane	<237	237	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<237	237	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-1 (20 fbg)

1103051-07 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
SVOA MS							
Isophorone	<237	237	ug/kg dry	VM	03/10/11 12:51	EPA 8270C	
2-Methylphenol	<237	237	"	VM	"	"	
3 & 4-Methylphenol	<237	237	"	VM	"	"	
Naphthalene	<118	118	"	VM	"	"	
Nitrobenzene	<237	237	"	VM	"	"	
N-Nitrosodiphenylamine	<237	237	"	VM	"	"	
N-Nitrosodi-n-propylamine	<237	237	"	VM	"	"	
Pentachlorophenol	<592	592	"	VM	"	"	
Phenanthrene	<237	237	"	VM	"	"	
Phenol	<237	237	"	VM	"	"	
Pyrene	<237	237	"	VM	"	"	
2,4,5-Trichlorophenol	<237	237	"	VM	"	"	
2,4,6-Trichlorophenol	<118	118	"	VM	"	"	
Pesticides							
alpha-BHC	<11.8	11.8	ug/kg dry	VM	03/10/11 13:52	SW 8081	
alpha-Chlordane	<11.8	11.8	"	VM	"	"	
beta-BHC	<11.8	11.8	"	VM	"	"	
Aldrin	<11.8	11.8	"	VM	"	"	
gamma-BHC (Lindane)	<11.8	11.8	"	VM	"	"	
Heptachlor	<11.8	11.8	"	VM	"	"	
delta-BHC	<11.8	11.8	"	VM	"	"	
Endosulfan I	<59.2	59.2	"	VM	"	"	
Endosulfan II	<59.2	59.2	"	VM	"	"	
Endosulfan sulfate	<59.2	59.2	"	VM	"	"	
Endrin	<59.2	59.2	"	VM	"	"	
4,4´-DDD	<59.2	59.2	"	VM	"	"	
4,4´-DDE	<59.2	59.2	"	VM	"	"	
4,4´-DDT	<59.2	59.2	"	VM	"	"	
Methoxychlor	<118	118	"	VM	"	"	
Dieldrin	<59.2	59.2	"	VM	"	"	
Toxaphene	<118	118	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-1 (20 fbg)

1103051-07 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
PCB							
Aroclor 1016	<118	118	ug/kg dry	VM	03/10/11 16:41	SW 8082	
Aroclor 1221	<118	118	"	VM	"	"	
Aroclor 1232	<118	118	"	VM	"	"	
Aroclor 1242	<118	118	"	VM	"	"	
Aroclor 1248	<118	118	"	VM	"	"	
Aroclor 1254	<118	118	"	VM	"	"	
Aroclor 1260	<118	118	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-2 (15-16 fbg)

1103051-08 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Total Metals							
Arsenic	<2.40	2.40	mg/kg dry	MEM	03/07/11 16:04	SW 6010B	
Barium	**430**	2.40	"	MEM	03/08/11 15:35	"	
Beryllium	<0.240	0.240	"	MEM	03/07/11 16:04	"	
Cadmium	**9.08**	1.20	"	MEM	"	"	
Chromium	**104**	1.20	"	MEM	"	"	
Hexavalent Chromium	<1.11	1.11	"	HT	03/07/11 13:02	SW 7196A	
Copper	**13.7**	0.240	"	MEM	03/07/11 16:04	SW 6010B	
Lead	**2.75**	2.40	"	MEM	"	"	
Manganese	**318**	2.40	"	MEM	03/08/11 15:35	"	
Mercury	<0.018	0.018	"	MEM	03/10/11 17:01	SW 7471A	
Nickel	**56.3**	1.20	"	MEM	03/07/11 16:04	SW 6010B	
Chromium, Trivalent	**86.4**	1.93	mg/kg	HT	"	CALC	
Selenium	<1.20	1.20	mg/kg dry	MEM	"	SW 6010B	
Silver	<1.20	1.20	"	MEM	"	"	
Zinc	**124**	1.20	"	MEM	"	"	
CN Total							
Cyanide	<0.577	0.577	mg/kg dry	JD	03/07/11 17:06	EPA 9010B	
VOA MS							
Acetone	**44.5**	12.0	ug/kg dry	VNS	03/08/11 03:53	SW 8260B	
Acrylonitrile	<6.01	6.01	"	VNS	"	"	
Benzene	<1.20	1.20	"	VNS	"	"	
Bromodichloromethane	<6.01	6.01	"	VNS	"	"	
Bromoform	<1.20	1.20	"	VNS	"	"	
Bromomethane	<2.40	2.40	"	VNS	"	"	
sec-Butylbenzene	<1.20	1.20	"	VNS	"	"	
n-Butylbenzene	<1.20	1.20	"	VNS	"	"	
tert-Butylbenzene	<1.20	1.20	"	VNS	"	"	
Carbon Tetrachloride	<2.40	2.40	"	VNS	"	"	
Chlorobenzene	<1.20	1.20	"	VNS	"	"	
Chloroform	<1.20	1.20	"	VNS	"	"	
Chloromethane	<2.40	2.40	"	VNS	"	"	
Dibromochloromethane	<6.01	6.01	"	VNS	"	"	
1,2-Dichlorobenzene	<1.20	1.20	"	VNS	"	"	
1,3-Dichlorobenzene	<2.40	2.40	"	VNS	"	"	
1,4-Dichlorobenzene	<1.20	1.20	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-2 (15-16 fbg)

1103051-08 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,1-Dichloroethane	<2.40	2.40	ug/kg dry	VNS	03/08/11 03:53	SW 8260B	
1,2-Dichloroethane	<1.20	1.20	"	VNS	"	"	
1,1-Dichloroethene	<1.20	1.20	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.20	1.20	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.20	1.20	"	VNS	"	"	
1,2-Dichloropropane	<2.40	2.40	"	VNS	"	"	
Ethylbenzene	<2.40	2.40	"	VNS	"	"	
Hexachlorobutadiene	<1.20	1.20	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.20	1.20	"	VNS	"	"	
Methylene Chloride	**13.2**	12.0	"	VNS	"	"	
Methyl Ethyl Ketone	<2.40	2.40	"	VNS	"	"	
Methyl Isobutyl Ketone	<6.01	6.01	"	VNS	"	"	
Naphthalene	<6.01	6.01	"	VNS	"	"	
n-Propylbenzene	<2.40	2.40	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.40	2.40	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.20	1.20	"	VNS	"	"	
Tetrachloroethene	<1.20	1.20	"	VNS	"	"	
Toluene	<1.20	1.20	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.20	1.20	"	VNS	"	"	
1,1,1-Trichloroethane	<1.20	1.20	"	VNS	"	"	
1,1,2-Trichloroethane	<2.40	2.40	"	VNS	"	"	
Trichloroethene	<1.20	1.20	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.20	1.20	"	VNS	"	"	
1,3,5-Trimethylbenzene	<1.20	1.20	"	VNS	"	"	
Vinyl chloride	<6.01	6.01	"	VNS	"	"	
m,p-Xylene	<2.40	2.40	"	VNS	"	"	
o-Xylene	<1.20	1.20	"	VNS	"	"	
1,4-Dioxane	<60.1	60.1	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-2 (15-16 fbg)

1103051-08 (Soil)

Analytical Chemists Laboratory, LLC.

SVOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acenaphthene	<120	120	ug/kg dry	VM	03/10/11 13:33	EPA 8270C	
Acenaphthylene	<120	120	"	VM	"	"	
Anthracene	<240	240	"	VM	"	"	
Benzo (a) anthracene	<120	120	"	VM	"	"	
Benzo (b) fluoranthene	<601	601	"	VM	"	"	
Benzo (k) fluoranthene	<240	240	"	VM	"	"	
Benzo (g,h,i) perylene	<120	120	"	VM	"	"	
Benzo (a) pyrene	<120	120	"	VM	"	"	
Benzyl alcohol	<601	601	"	VM	"	"	
Bis(2-chloroethyl)ether	<240	240	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<240	240	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	**904**	240	"	VM	"	"	
Butyl benzyl phthalate	<601	601	"	VM	"	"	
4-Chloroaniline	<601	601	"	VM	"	"	
4-Chloro-3-methylphenol	<240	240	"	VM	"	"	
2-Chlorophenol	<240	240	"	VM	"	"	
Chrysene	<240	240	"	VM	"	"	
Dibenz (a,h) anthracene	<240	240	"	VM	"	"	
Dibenzofuran	<601	601	"	VM	"	"	
Di-n-butyl phthalate	<240	240	"	VM	"	"	
3,3´-Dichlorobenzidine	<601	601	"	VM	"	"	
2,4-Dichlorophenol	<240	240	"	VM	"	"	
Diethyl phthalate	<240	240	"	VM	"	"	
2,4-Dimethylphenol	<1200	1200	"	VM	"	"	
Dimethyl phthalate	<120	120	"	VM	"	"	
2,4-Dinitrophenol	<601	601	"	VM	"	"	
2,4-Dinitrotoluene	<240	240	"	VM	"	"	
2,6-Dinitrotoluene	<240	240	"	VM	"	"	
Di-n-octyl phthalate	<601	601	"	VM	"	"	
Fluoranthene	<120	120	"	VM	"	"	
Fluorene	<240	240	"	VM	"	"	
Hexachlorobenzene	<240	240	"	VM	"	"	
Hexachlorobutadiene	<240	240	"	VM	"	"	
Hexachlorocyclopentadiene	<1200	1200	"	VM	"	"	
Hexachloroethane	<240	240	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<240	240	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-2 (15-16 fbg)

1103051-08 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
SVOA MS							
Isophorone	<240	240	ug/kg dry	VM	03/10/11 13:33	EPA 8270C	
2-Methylphenol	<240	240	"	VM	"	"	
3 & 4-Methylphenol	<240	240	"	VM	"	"	
Naphthalene	<120	120	"	VM	"	"	
Nitrobenzene	<240	240	"	VM	"	"	
N-Nitrosodiphenylamine	<240	240	"	VM	"	"	
N-Nitrosodi-n-propylamine	<240	240	"	VM	"	"	
Pentachlorophenol	<601	601	"	VM	"	"	
Phenanthrene	<240	240	"	VM	"	"	
Phenol	<240	240	"	VM	"	"	
Pyrene	<240	240	"	VM	"	"	
2,4,5-Trichlorophenol	<240	240	"	VM	"	"	
2,4,6-Trichlorophenol	<120	120	"	VM	"	"	
Pesticides							
alpha-BHC	<12.0	12.0	ug/kg dry	VM	03/10/11 14:14	SW 8081	
alpha-Chlordane	<12.0	12.0	"	VM	"	"	
beta-BHC	<12.0	12.0	"	VM	"	"	
Aldrin	<12.0	12.0	"	VM	"	"	
gamma-BHC (Lindane)	<12.0	12.0	"	VM	"	"	
Heptachlor	<12.0	12.0	"	VM	"	"	
delta-BHC	<12.0	12.0	"	VM	"	"	
Endosulfan I	<60.1	60.1	"	VM	"	"	
Endosulfan II	<60.1	60.1	"	VM	"	"	
Endosulfan sulfate	<60.1	60.1	"	VM	"	"	
Endrin	<60.1	60.1	"	VM	"	"	
4,4´-DDD	<60.1	60.1	"	VM	"	"	
4,4´-DDE	<60.1	60.1	"	VM	"	"	
4,4´-DDT	<60.1	60.1	"	VM	"	"	
Methoxychlor	<120	120	"	VM	"	"	
Dieldrin	<60.1	60.1	"	VM	"	"	
Toxaphene	<120	120	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-2 (15-16 fbg)

1103051-08 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
PCB							
Aroclor 1016	<120	120	ug/kg dry	VM	03/10/11 17:15	SW 8082	
Aroclor 1221	<120	120	"	VM	"	"	
Aroclor 1232	<120	120	"	VM	"	"	
Aroclor 1242	<120	120	"	VM	"	"	
Aroclor 1248	<120	120	"	VM	"	"	
Aroclor 1254	<120	120	"	VM	"	"	
Aroclor 1260	<120	120	"	VM	"	"	

Analytical Chemists Laboratory, LLC.

Joseph P. Shaulys

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Ac Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-3 (5-8.5 fbg)

1103051-09 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Total Metals							
Arsenic	<2.31	2.31	mg/kg dry	MEM	03/07/11 16:38	SW 6010B	
Barium	**65.9**	0.231	"	MEM	"	"	
Beryllium	<0.231	0.231	"	MEM	"	"	
Cadmium	**4.58**	1.15	"	MEM	"	"	
Chromium	**36.6**	1.15	"	MEM	"	"	
Hexavalent Chromium	<1.07	1.07	"	HT	03/07/11 13:02	SW 7196A	
Copper	**10.3**	0.231	"	MEM	03/07/11 16:38	SW 6010B	
Lead	**4.22**	2.31	"	MEM	"	"	
Manganese	**466**	2.31	"	MEM	03/08/11 15:41	"	
Mercury	<0.017	0.017	"	MEM	03/10/11 17:03	SW 7471A	
Nickel	**20.2**	1.15	"	MEM	03/07/11 16:38	SW 6010B	
Chromium, Trivalent	**31.7**	1.93	mg/kg	HT	"	CALC	
Selenium	<1.15	1.15	mg/kg dry	MEM	"	SW 6010B	
Silver	<1.15	1.15	"	MEM	"	"	
Zinc	**46.8**	1.15	"	MEM	"	"	
CN Total							
Cyanide	<0.532	0.532	mg/kg dry	JD	03/07/11 17:07	EPA 9010B	
VOA MS							
Acetone	**38.2**	11.5	ug/kg dry	VNS	03/08/11 04:24	SW 8260B	
Acrylonitrile	<5.77	5.77	"	VNS	"	"	
Benzene	<1.15	1.15	"	VNS	"	"	
Bromodichloromethane	<5.77	5.77	"	VNS	"	"	
Bromoform	<1.15	1.15	"	VNS	"	"	
Bromomethane	<2.31	2.31	"	VNS	"	"	
sec-Butylbenzene	<1.15	1.15	"	VNS	"	"	
n-Butylbenzene	<1.15	1.15	"	VNS	"	"	
tert-Butylbenzene	<1.15	1.15	"	VNS	"	"	
Carbon Tetrachloride	<2.31	2.31	"	VNS	"	"	
Chlorobenzene	<1.15	1.15	"	VNS	"	"	
Chloroform	<1.15	1.15	"	VNS	"	"	
Chloromethane	<2.31	2.31	"	VNS	"	"	
Dibromochloromethane	<5.77	5.77	"	VNS	"	"	
1,2-Dichlorobenzene	<1.15	1.15	"	VNS	"	"	
1,3-Dichlorobenzene	<2.31	2.31	"	VNS	"	"	
1,4-Dichlorobenzene	<1.15	1.15	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-3 (5-8.5 fbg)

1103051-09 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,1-Dichloroethane	<2.31	2.31	ug/kg dry	VNS	03/08/11 04:24	SW 8260B	
1,2-Dichloroethane	<1.15	1.15	"	VNS	"	"	
1,1-Dichloroethene	<1.15	1.15	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.15	1.15	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.15	1.15	"	VNS	"	"	
1,2-Dichloropropane	<2.31	2.31	"	VNS	"	"	
Ethylbenzene	<2.31	2.31	"	VNS	"	"	
Hexachlorobutadiene	<1.15	1.15	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.15	1.15	"	VNS	"	"	
Methylene Chloride	<11.5	11.5	"	VNS	"	"	
Methyl Ethyl Ketone	<2.31	2.31	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.77	5.77	"	VNS	"	"	
Naphthalene	<5.77	5.77	"	VNS	"	"	
n-Propylbenzene	<2.31	2.31	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.31	2.31	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.15	1.15	"	VNS	"	"	
Tetrachloroethene	<1.15	1.15	"	VNS	"	"	
Toluene	<1.15	1.15	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.15	1.15	"	VNS	"	"	
1,1,1-Trichloroethane	<1.15	1.15	"	VNS	"	"	
1,1,2-Trichloroethane	<2.31	2.31	"	VNS	"	"	
Trichloroethene	<1.15	1.15	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.15	1.15	"	VNS	"	"	
1,3,5-Trimethylbenzene	<1.15	1.15	"	VNS	"	"	
Vinyl chloride	<5.77	5.77	"	VNS	"	"	
m,p-Xylene	<2.31	2.31	"	VNS	"	"	
o-Xylene	<1.15	1.15	"	VNS	"	"	
1,4-Dioxane	<57.7	57.7	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-3 (5-8.5 fbg)

1103051-09 (Soil)

Analytical Chemists Laboratory, LLC.

SVOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acenaphthene	<115	115	ug/kg dry	VM	03/10/11 14:14	EPA 8270C	
Acenaphthylene	<115	115	"	VM	"	"	
Anthracene	<231	231	"	VM	"	"	
Benzo (a) anthracene	<115	115	"	VM	"	"	
Benzo (b) fluoranthene	<577	577	"	VM	"	"	
Benzo (k) fluoranthene	<231	231	"	VM	"	"	
Benzo (g,h,i) perylene	<115	115	"	VM	"	"	
Benzo (a) pyrene	<115	115	"	VM	"	"	
Benzyl alcohol	<577	577	"	VM	"	"	
Bis(2-chloroethyl)ether	<231	231	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<231	231	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	**910**	231	"	VM	"	"	
Butyl benzyl phthalate	<577	577	"	VM	"	"	
4-Chloroaniline	<577	577	"	VM	"	"	
4-Chloro-3-methylphenol	<231	231	"	VM	"	"	
2-Chlorophenol	<231	231	"	VM	"	"	
Chrysene	<231	231	"	VM	"	"	
Dibenz (a,h) anthracene	<231	231	"	VM	"	"	
Dibenzofuran	<577	577	"	VM	"	"	
Di-n-butyl phthalate	<231	231	"	VM	"	"	
3,3´-Dichlorobenzidine	<577	577	"	VM	"	"	
2,4-Dichlorophenol	<231	231	"	VM	"	"	
Diethyl phthalate	<231	231	"	VM	"	"	
2,4-Dimethylphenol	<1150	1150	"	VM	"	"	
Dimethyl phthalate	<115	115	"	VM	"	"	
2,4-Dinitrophenol	<577	577	"	VM	"	"	
2,4-Dinitrotoluene	<231	231	"	VM	"	"	
2,6-Dinitrotoluene	<231	231	"	VM	"	"	
Di-n-octyl phthalate	<577	577	"	VM	"	"	
Fluoranthene	<115	115	"	VM	"	"	
Fluorene	<231	231	"	VM	"	"	
Hexachlorobenzene	<231	231	"	VM	"	"	
Hexachlorobutadiene	<231	231	"	VM	"	"	
Hexachlorocyclopentadiene	<1150	1150	"	VM	"	"	
Hexachloroethane	<231	231	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<231	231	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-3 (5-8.5 fbg)

1103051-09 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
SVOA MS							
Isophorone	<231	231	ug/kg dry	VM	03/10/11 14:14	EPA 8270C	
2-Methylphenol	<231	231	"	VM	"	"	
3 & 4-Methylphenol	<231	231	"	VM	"	"	
Naphthalene	<115	115	"	VM	"	"	
Nitrobenzene	<231	231	"	VM	"	"	
N-Nitrosodiphenylamine	<231	231	"	VM	"	"	
N-Nitrosodi-n-propylamine	<231	231	"	VM	"	"	
Pentachlorophenol	<577	577	"	VM	"	"	
Phenanthrene	<231	231	"	VM	"	"	
Phenol	<231	231	"	VM	"	"	
Pyrene	<231	231	"	VM	"	"	
2,4,5-Trichlorophenol	<231	231	"	VM	"	"	
2,4,6-Trichlorophenol	<115	115	"	VM	"	"	
Pesticides							
alpha-BHC	<11.5	11.5	ug/kg dry	VM	03/10/11 14:36	SW 8081	
alpha-Chlordane	<11.5	11.5	"	VM	"	"	
beta-BHC	<11.5	11.5	"	VM	"	"	
Aldrin	<11.5	11.5	"	VM	"	"	
gamma-BHC (Lindane)	<11.5	11.5	"	VM	"	"	
Heptachlor	<11.5	11.5	"	VM	"	"	
delta-BHC	<11.5	11.5	"	VM	"	"	
Endosulfan I	<57.7	57.7	"	VM	"	"	
Endosulfan II	<57.7	57.7	"	VM	"	"	
Endosulfan sulfate	<57.7	57.7	"	VM	"	"	
Endrin	<57.7	57.7	"	VM	"	"	
4,4´-DDD	<57.7	57.7	"	VM	"	"	
4,4´-DDE	<57.7	57.7	"	VM	"	"	
4,4´-DDT	<57.7	57.7	"	VM	"	"	
Methoxychlor	<115	115	"	VM	"	"	
Dieldrin	<57.7	57.7	"	VM	"	"	
Toxaphene	<115	115	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-3 (5-8.5 fbg)

1103051-09 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
PCB							
Aroclor 1016	<115	115	ug/kg dry	VM	03/10/11 17:50	SW 8082	
Aroclor 1221	<115	115	"	VM	"	"	
Aroclor 1232	<115	115	"	VM	"	"	
Aroclor 1242	<115	115	"	VM	"	"	
Aroclor 1248	<115	115	"	VM	"	"	
Aroclor 1254	<115	115	"	VM	"	"	
Aroclor 1260	<115	115	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-4 (15-20 fbg)

1103051-10 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Total Metals							
Arsenic	<2.38	2.38	mg/kg dry	MEM	03/07/11 16:44	SW 6010B	
Barium	**421**	2.38	"	MEM	03/08/11 15:47	"	
Beryllium	<0.238	0.238	"	MEM	03/07/11 16:44	"	
Cadmium	**6.70**	1.19	"	MEM	"	"	
Chromium	**24.2**	1.19	"	MEM	"	"	
Hexavalent Chromium	<1.04	1.04	"	HT	03/07/11 13:02	SW 7196A	
Copper	**35.2**	0.238	"	MEM	03/07/11 16:44	SW 6010B	
Lead	<2.38	2.38	"	MEM	"	"	
Manganese	**263**	2.38	"	MEM	03/08/11 15:47	"	
Mercury	<0.018	0.018	"	MEM	03/10/11 17:05	SW 7471A	
Nickel	**16.8**	1.19	"	MEM	03/07/11 16:44	SW 6010B	
Chromium, Trivalent	**20.4**	1.88	mg/kg	HT	"	CALC	
Selenium	<1.19	1.19	mg/kg dry	MEM	"	SW 6010B	
Silver	<1.19	1.19	"	MEM	"	"	
Zinc	**91.9**	1.19	"	MEM	"	"	
CN Total							
Cyanide	<0.624	0.624	mg/kg dry	JD	03/07/11 17:07	EPA 9010B	
VOA MS							
Acetone	**24.7**	11.9	ug/kg dry	VNS	03/08/11 04:55	SW 8260B	
Acrylonitrile	<5.95	5.95	"	VNS	"	"	
Benzene	<1.19	1.19	"	VNS	"	"	
Bromodichloromethane	<5.95	5.95	"	VNS	"	"	
Bromoform	<1.19	1.19	"	VNS	"	"	
Bromomethane	<2.38	2.38	"	VNS	"	"	
sec-Butylbenzene	<1.19	1.19	"	VNS	"	"	
n-Butylbenzene	<1.19	1.19	"	VNS	"	"	
tert-Butylbenzene	<1.19	1.19	"	VNS	"	"	
Carbon Tetrachloride	<2.38	2.38	"	VNS	"	"	
Chlorobenzene	<1.19	1.19	"	VNS	"	"	
Chloroform	<1.19	1.19	"	VNS	"	"	
Chloromethane	<2.38	2.38	"	VNS	"	"	
Dibromochloromethane	<5.95	5.95	"	VNS	"	"	
1,2-Dichlorobenzene	<1.19	1.19	"	VNS	"	"	
1,3-Dichlorobenzene	<2.38	2.38	"	VNS	"	"	
1,4-Dichlorobenzene	<1.19	1.19	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-4 (15-20 fbg)

1103051-10 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,1-Dichloroethane	<2.38	2.38	ug/kg dry	VNS	03/08/11 04:55	SW 8260B	
1,2-Dichloroethane	<1.19	1.19	"	VNS	"	"	
1,1-Dichloroethene	<1.19	1.19	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.19	1.19	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.19	1.19	"	VNS	"	"	
1,2-Dichloropropane	<2.38	2.38	"	VNS	"	"	
Ethylbenzene	<2.38	2.38	"	VNS	"	"	
Hexachlorobutadiene	<1.19	1.19	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.19	1.19	"	VNS	"	"	
Methylene Chloride	<11.9	11.9	"	VNS	"	"	
Methyl Ethyl Ketone	<2.38	2.38	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.95	5.95	"	VNS	"	"	
Naphthalene	<5.95	5.95	"	VNS	"	"	
n-Propylbenzene	<2.38	2.38	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.38	2.38	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.19	1.19	"	VNS	"	"	
Tetrachloroethene	<1.19	1.19	"	VNS	"	"	
Toluene	<1.19	1.19	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.19	1.19	"	VNS	"	"	
1,1,1-Trichloroethane	<1.19	1.19	"	VNS	"	"	
1,1,2-Trichloroethane	<2.38	2.38	"	VNS	"	"	
Trichloroethene	<1.19	1.19	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.19	1.19	"	VNS	"	"	
1,3,5-Trimethylbenzene	<1.19	1.19	"	VNS	"	"	
Vinyl chloride	<5.95	5.95	"	VNS	"	"	
m,p-Xylene	<2.38	2.38	"	VNS	"	"	
o-Xylene	<1.19	1.19	"	VNS	"	"	
1,4-Dioxane	<59.5	59.5	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-4 (15-20 fbg)

1103051-10 (Soil)

Analytical Chemists Laboratory, LLC.

SVOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acenaphthene	<119	119	ug/kg dry	VM	03/10/11 14:56	EPA 8270C	
Acenaphthylene	<119	119	"	VM	"	"	
Anthracene	<238	238	"	VM	"	"	
Benzo (a) anthracene	<119	119	"	VM	"	"	
Benzo (b) fluoranthene	<595	595	"	VM	"	"	
Benzo (k) fluoranthene	<238	238	"	VM	"	"	
Benzo (g,h,i) perylene	<119	119	"	VM	"	"	
Benzo (a) pyrene	<119	119	"	VM	"	"	
Benzyl alcohol	<595	595	"	VM	"	"	
Bis(2-chloroethyl)ether	<238	238	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<238	238	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	**1140**	238	"	VM	"	"	
Butyl benzyl phthalate	<595	595	"	VM	"	"	
4-Chloroaniline	<595	595	"	VM	"	"	
4-Chloro-3-methylphenol	<238	238	"	VM	"	"	
2-Chlorophenol	<238	238	"	VM	"	"	
Chrysene	<238	238	"	VM	"	"	
Dibenz (a,h) anthracene	<238	238	"	VM	"	"	
Dibenzofuran	<595	595	"	VM	"	"	
Di-n-butyl phthalate	<238	238	"	VM	"	"	
3,3´-Dichlorobenzidine	<595	595	"	VM	"	"	
2,4-Dichlorophenol	<238	238	"	VM	"	"	
Diethyl phthalate	<238	238	"	VM	"	"	
2,4-Dimethylphenol	<1190	1190	"	VM	"	"	
Dimethyl phthalate	<119	119	"	VM	"	"	
2,4-Dinitrophenol	<595	595	"	VM	"	"	
2,4-Dinitrotoluene	<238	238	"	VM	"	"	
2,6-Dinitrotoluene	<238	238	"	VM	"	"	
Di-n-octyl phthalate	<595	595	"	VM	"	"	
Fluoranthene	<119	119	"	VM	"	"	
Fluorene	<238	238	"	VM	"	"	
Hexachlorobenzene	<238	238	"	VM	"	"	
Hexachlorobutadiene	<238	238	"	VM	"	"	
Hexachlorocyclopentadiene	<1190	1190	"	VM	"	"	
Hexachloroethane	<238	238	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<238	238	"	VM	"	"	

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Tel: (631) 414-7685
Fax: (631) 414-7688

Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-4 (15-20 fbg)

1103051-10 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
SVOA MS							
Isophorone	<238	238	ug/kg dry	VM	03/10/11 14:56	EPA 8270C	
2-Methylphenol	<238	238	"	VM	"	"	
3 & 4-Methylphenol	<238	238	"	VM	"	"	
Naphthalene	<119	119	"	VM	"	"	
Nitrobenzene	<238	238	"	VM	"	"	
N-Nitrosodiphenylamine	<238	238	"	VM	"	"	
N-Nitrosodi-n-propylamine	<238	238	"	VM	"	"	
Pentachlorophenol	<595	595	"	VM	"	"	
Phenanthrene	<238	238	"	VM	"	"	
Phenol	<238	238	"	VM	"	"	
Pyrene	<238	238	"	VM	"	"	
2,4,5-Trichlorophenol	<238	238	"	VM	"	"	
2,4,6-Trichlorophenol	<119	119	"	VM	"	"	
Pesticides							
alpha-BHC	<11.9	11.9	ug/kg dry	VM	03/10/11 14:58	SW 8081	
alpha-Chlordane	<11.9	11.9	"	VM	"	"	
beta-BHC	<11.9	11.9	"	VM	"	"	
Aldrin	<11.9	11.9	"	VM	"	"	
gamma-BHC (Lindane)	<11.9	11.9	"	VM	"	"	
Heptachlor	<11.9	11.9	"	VM	"	"	
delta-BHC	<11.9	11.9	"	VM	"	"	
Endosulfan I	<59.5	59.5	"	VM	"	"	
Endosulfan II	<59.5	59.5	"	VM	"	"	
Endosulfan sulfate	<59.5	59.5	"	VM	"	"	
Endrin	<59.5	59.5	"	VM	"	"	
4,4´-DDD	<59.5	59.5	"	VM	"	"	
4,4´-DDE	<59.5	59.5	"	VM	"	"	
4,4´-DDT	<59.5	59.5	"	VM	"	"	
Methoxychlor	<119	119	"	VM	"	"	
Dieldrin	<59.5	59.5	"	VM	"	"	
Toxaphene	<119	119	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-4 (15-20 fbg)

1103051-10 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
PCB							
Aroclor 1016	<119	119	ug/kg dry	VM	03/10/11 18:25	SW 8082	
Aroclor 1221	<119	119	"	VM	"	"	
Aroclor 1232	<119	119	"	VM	"	"	
Aroclor 1242	<119	119	"	VM	"	"	
Aroclor 1248	<119	119	"	VM	"	"	
Aroclor 1254	<119	119	"	VM	"	"	
Aroclor 1260	<119	119	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-5 (15-20 fbg)

1103051-11 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Total Metals							
Arsenic	<2.12	2.12	mg/kg dry	MEM	03/07/11 16:51	SW 6010B	
Barium	**174**	2.12	"	MEM	03/08/11 15:53	"	
Beryllium	<0.212	0.212	"	MEM	03/07/11 16:51	"	
Cadmium	**8.51**	1.06	"	MEM	"	"	
Chromium	**32.7**	1.06	"	MEM	"	"	
Hexavalent Chromium	<1.12	1.12	"	HT	03/07/11 13:02	SW 7196A	
Copper	**42.1**	0.212	"	MEM	03/07/11 16:51	SW 6010B	
Lead	**5.06**	2.12	"	MEM	"	"	
Manganese	**830**	2.12	"	MEM	03/08/11 15:53	"	
Mercury	<0.017	0.017	"	MEM	03/10/11 17:07	SW 7471A	
Nickel	**24.4**	1.06	"	MEM	03/07/11 16:51	SW 6010B	
Chromium, Trivalent	**28.1**	1.87	mg/kg	HT	"	CALC	
Selenium	<1.06	1.06	mg/kg dry	MEM	"	SW 6010B	
Silver	**3.55**	1.06	"	MEM	"	"	
Zinc	**108**	1.06	"	MEM	"	"	
CN Total							
Cyanide	<0.589	0.589	mg/kg dry	JD	03/07/11 17:11	EPA 9010B	
VOA MS							
Acetone	**29.6**	11.6	ug/kg dry	VNS	03/08/11 05:27	SW 8260B	
Acrylonitrile	<5.81	5.81	"	VNS	"	"	
Benzene	<1.16	1.16	"	VNS	"	"	
Bromodichloromethane	<5.81	5.81	"	VNS	"	"	
Bromoform	<1.16	1.16	"	VNS	"	"	
Bromomethane	<2.32	2.32	"	VNS	"	"	
sec-Butylbenzene	<1.16	1.16	"	VNS	"	"	
n-Butylbenzene	<1.16	1.16	"	VNS	"	"	
tert-Butylbenzene	<1.16	1.16	"	VNS	"	"	
Carbon Tetrachloride	<2.32	2.32	"	VNS	"	"	
Chlorobenzene	<1.16	1.16	"	VNS	"	"	
Chloroform	<1.16	1.16	"	VNS	"	"	
Chloromethane	<2.32	2.32	"	VNS	"	"	
Dibromochloromethane	<5.81	5.81	"	VNS	"	"	
1,2-Dichlorobenzene	<1.16	1.16	"	VNS	"	"	
1,3-Dichlorobenzene	<2.32	2.32	"	VNS	"	"	
1,4-Dichlorobenzene	<1.16	1.16	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-5 (15-20 fbg)

1103051-11 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,1-Dichloroethane	<2.32	2.32	ug/kg dry	VNS	03/08/11 05:27	SW 8260B	
1,2-Dichloroethane	<1.16	1.16	"	VNS	"	"	
1,1-Dichloroethene	<1.16	1.16	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.16	1.16	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.16	1.16	"	VNS	"	"	
1,2-Dichloropropane	<2.32	2.32	"	VNS	"	"	
Ethylbenzene	<2.32	2.32	"	VNS	"	"	
Hexachlorobutadiene	<1.16	1.16	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.16	1.16	"	VNS	"	"	
Methylene Chloride	<11.6	11.6	"	VNS	"	"	
Methyl Ethyl Ketone	<2.32	2.32	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.81	5.81	"	VNS	"	"	
Naphthalene	<5.81	5.81	"	VNS	"	"	
n-Propylbenzene	<2.32	2.32	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.32	2.32	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.16	1.16	"	VNS	"	"	
Tetrachloroethene	<1.16	1.16	"	VNS	"	"	
Toluene	<1.16	1.16	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.16	1.16	"	VNS	"	"	
1,1,1-Trichloroethane	<1.16	1.16	"	VNS	"	"	
1,1,2-Trichloroethane	<2.32	2.32	"	VNS	"	"	
Trichloroethene	<1.16	1.16	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.16	1.16	"	VNS	"	"	
1,3,5-Trimethylbenzene	<1.16	1.16	"	VNS	"	"	
Vinyl chloride	<5.81	5.81	"	VNS	"	"	
o-Xylene	<1.16	1.16	"	VNS	"	"	
m,p-Xylene	<2.32	2.32	"	VNS	"	"	
1,4-Dioxane	<58.1	58.1	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-5 (15-20 fbg)

1103051-11 (Soil)

Analytical Chemists Laboratory, LLC.

SVOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acenaphthene	<116	116	ug/kg dry	VM	03/10/11 15:38	EPA 8270C	
Acenaphthylene	<116	116	"	VM	"	"	
Anthracene	<232	232	"	VM	"	"	
Benzo (a) anthracene	<116	116	"	VM	"	"	
Benzo (b) fluoranthene	<581	581	"	VM	"	"	
Benzo (k) fluoranthene	<232	232	"	VM	"	"	
Benzo (g,h,i) perylene	<116	116	"	VM	"	"	
Benzo (a) pyrene	<116	116	"	VM	"	"	
Benzyl alcohol	<581	581	"	VM	"	"	
Bis(2-chloroethyl)ether	<232	232	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<232	232	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	**879**	232	"	VM	"	"	
Butyl benzyl phthalate	<581	581	"	VM	"	"	
4-Chloroaniline	<581	581	"	VM	"	"	
4-Chloro-3-methylphenol	<232	232	"	VM	"	"	
2-Chlorophenol	<232	232	"	VM	"	"	
Chrysene	<232	232	"	VM	"	"	
Dibenz (a,h) anthracene	<232	232	"	VM	"	"	
Dibenzofuran	<581	581	"	VM	"	"	
Di-n-butyl phthalate	<232	232	"	VM	"	"	
3,3´-Dichlorobenzidine	<581	581	"	VM	"	"	
2,4-Dichlorophenol	<232	232	"	VM	"	"	
Diethyl phthalate	<232	232	"	VM	"	"	
2,4-Dimethylphenol	<1160	1160	"	VM	"	"	
Dimethyl phthalate	<116	116	"	VM	"	"	
2,4-Dinitrophenol	<581	581	"	VM	"	"	
2,4-Dinitrotoluene	<232	232	"	VM	"	"	
2,6-Dinitrotoluene	<232	232	"	VM	"	"	
Di-n-octyl phthalate	<581	581	"	VM	"	"	
Fluoranthene	<116	116	"	VM	"	"	
Fluorene	<232	232	"	VM	"	"	
Hexachlorobenzene	<232	232	"	VM	"	"	
Hexachlorobutadiene	<232	232	"	VM	"	"	
Hexachlorocyclopentadiene	<1160	1160	"	VM	"	"	
Hexachloroethane	<232	232	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<232	232	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-5 (15-20 fbg)

1103051-11 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
SVOA MS							
Isophorone	<232	232	ug/kg dry	VM	03/10/11 15:38	EPA 8270C	
2-Methylphenol	<232	232	"	VM	"	"	
3 & 4-Methylphenol	<232	232	"	VM	"	"	
Naphthalene	<116	116	"	VM	"	"	
Nitrobenzene	<232	232	"	VM	"	"	
N-Nitrosodiphenylamine	<232	232	"	VM	"	"	
N-Nitrosodi-n-propylamine	<232	232	"	VM	"	"	
Pentachlorophenol	<581	581	"	VM	"	"	
Phenanthrene	<232	232	"	VM	"	"	
Phenol	<232	232	"	VM	"	"	
Pyrene	<232	232	"	VM	"	"	
2,4,5-Trichlorophenol	<232	232	"	VM	"	"	
2,4,6-Trichlorophenol	<116	116	"	VM	"	"	
Pesticides							
alpha-BHC	<11.6	11.6	ug/kg dry	VM	03/10/11 15:20	SW 8081	
alpha-Chlordane	<11.6	11.6	"	VM	"	"	
beta-BHC	<11.6	11.6	"	VM	"	"	
Aldrin	<11.6	11.6	"	VM	"	"	
gamma-BHC (Lindane)	<11.6	11.6	"	VM	"	"	
Heptachlor	<11.6	11.6	"	VM	"	"	
delta-BHC	<11.6	11.6	"	VM	"	"	
Endosulfan I	<58.1	58.1	"	VM	"	"	
Endosulfan II	<58.1	58.1	"	VM	"	"	
Endosulfan sulfate	<58.1	58.1	"	VM	"	"	
Endrin	<58.1	58.1	"	VM	"	"	
4,4´-DDD	<58.1	58.1	"	VM	"	"	
4,4´-DDE	<58.1	58.1	"	VM	"	"	
4,4´-DDT	<58.1	58.1	"	VM	"	"	
Methoxychlor	<116	116	"	VM	"	"	
Dieldrin	<58.1	58.1	"	VM	"	"	
Toxaphene	<116	116	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-5 (15-20 fbg)

1103051-11 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
PCB							
Aroclor 1016	<116	116	ug/kg dry	VM	03/10/11 19:00	SW 8082	
Aroclor 1221	<116	116	"	VM	"	"	
Aroclor 1232	<116	116	"	VM	"	"	
Aroclor 1242	<116	116	"	VM	"	"	
Aroclor 1248	<116	116	"	VM	"	"	
Aroclor 1254	<116	116	"	VM	"	"	
Aroclor 1260	<116	116	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-6 (10-15 fbg)

1103051-12 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Total Metals							
Arsenic	<2.24	2.24	mg/kg dry	MEM	03/07/11 16:57	SW 6010B	QM-07
Barium	**291**	2.24	"	MEM	03/08/11 15:59	"	QM-07
Beryllium	<0.224	0.224	"	MEM	03/07/11 16:57	"	QM-07
Cadmium	**8.58**	1.12	"	MEM	"	"	QM-07
Chromium	**108**	1.12	"	MEM	"	"	QM-07
Hexavalent Chromium	<1.06	1.06	"	HT	03/07/11 13:02	SW 7196A	QM-07
Copper	**30.3**	0.224	"	MEM	03/07/11 16:57	SW 6010B	QM-07
Lead	**5.94**	2.24	"	MEM	"	"	QM-07
Manganese	**662**	2.24	"	MEM	03/08/11 15:59	"	QM-07
Mercury	<0.017	0.017	"	MEM	03/10/11 17:09	SW 7471A	
Nickel	**66.4**	1.12	"	MEM	03/07/11 16:57	SW 6010B	QM-07
Chromium, Trivalent	**96.6**	1.94	mg/kg	HT	"	CALC	
Selenium	<1.12	1.12	mg/kg dry	MEM	"	SW 6010B	QM-07
Silver	<1.12	1.12	"	MEM	"	"	
Zinc	**96.0**	1.12	"	MEM	"	"	
CN Total							
Cyanide	<0.621	0.621	mg/kg dry	JD	03/07/11 17:09	EPA 9010B	
VOA MS							
Acetone	**23.1**	11.2	ug/kg dry	VNS	03/08/11 05:58	SW 8260B	
Acrylonitrile	<5.60	5.60	"	VNS	"	"	
Benzene	<1.12	1.12	"	VNS	"	"	
Bromodichloromethane	<5.60	5.60	"	VNS	"	"	
Bromoform	<1.12	1.12	"	VNS	"	"	
Bromomethane	<2.24	2.24	"	VNS	"	"	
sec-Butylbenzene	<1.12	1.12	"	VNS	"	"	
n-Butylbenzene	<1.12	1.12	"	VNS	"	"	
tert-Butylbenzene	<1.12	1.12	"	VNS	"	"	
Carbon Tetrachloride	<2.24	2.24	"	VNS	"	"	
Chlorobenzene	<1.12	1.12	"	VNS	"	"	
Chloroform	<1.12	1.12	"	VNS	"	"	
Chloromethane	<2.24	2.24	"	VNS	"	"	
Dibromochloromethane	<5.60	5.60	"	VNS	"	"	
1,2-Dichlorobenzene	<1.12	1.12	"	VNS	"	"	
1,3-Dichlorobenzene	<2.24	2.24	"	VNS	"	"	
1,4-Dichlorobenzene	<1.12	1.12	"	VNS	"	"	

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170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-6 (10-15 fbg)

1103051-12 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,1-Dichloroethane	<2.24	2.24	ug/kg dry	VNS	03/08/11 05:58	SW 8260B	
1,2-Dichloroethane	<1.12	1.12	"	VNS	"	"	
1,1-Dichloroethene	<1.12	1.12	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.12	1.12	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.12	1.12	"	VNS	"	"	
1,2-Dichloropropane	<2.24	2.24	"	VNS	"	"	
Ethylbenzene	<2.24	2.24	"	VNS	"	"	
Hexachlorobutadiene	<1.12	1.12	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.12	1.12	"	VNS	"	"	
Methylene Chloride	<11.2	11.2	"	VNS	"	"	
Methyl Ethyl Ketone	<2.24	2.24	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.60	5.60	"	VNS	"	"	
Naphthalene	<5.60	5.60	"	VNS	"	"	
n-Propylbenzene	<2.24	2.24	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.24	2.24	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.12	1.12	"	VNS	"	"	
Tetrachloroethene	<1.12	1.12	"	VNS	"	"	
Toluene	<1.12	1.12	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.12	1.12	"	VNS	"	"	
1,1,1-Trichloroethane	<1.12	1.12	"	VNS	"	"	
1,1,2-Trichloroethane	<2.24	2.24	"	VNS	"	"	
Trichloroethene	<1.12	1.12	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.12	1.12	"	VNS	"	"	
1,3,5-Trimethylbenzene	<1.12	1.12	"	VNS	"	"	
Vinyl chloride	<5.60	5.60	"	VNS	"	"	
m,p-Xylene	<2.24	2.24	"	VNS	"	"	
o-Xylene	<1.12	1.12	"	VNS	"	"	
1,4-Dioxane	<56.0	56.0	"	VNS	"	"	

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Tel: (631) 414-7685
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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-6 (10-15 fbg)

1103051-12 (Soil)

Analytical Chemists Laboratory, LLC.

SVOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acenaphthene	<112	112	ug/kg dry	VM	03/10/11 16:20	EPA 8270C	
Acenaphthylene	<112	112	"	VM	"	"	
Anthracene	<224	224	"	VM	"	"	
Benzo (a) anthracene	<112	112	"	VM	"	"	
Benzo (b) fluoranthene	<560	560	"	VM	"	"	
Benzo (k) fluoranthene	<224	224	"	VM	"	"	
Benzo (g,h,i) perylene	<112	112	"	VM	"	"	
Benzo (a) pyrene	<112	112	"	VM	"	"	
Benzyl alcohol	<560	560	"	VM	"	"	
Bis(2-chloroethyl)ether	<224	224	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<224	224	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	**853**	224	"	VM	"	"	
Butyl benzyl phthalate	<560	560	"	VM	"	"	
4-Chloroaniline	<560	560	"	VM	"	"	
4-Chloro-3-methylphenol	<224	224	"	VM	"	"	
2-Chlorophenol	<224	224	"	VM	"	"	
Chrysene	<224	224	"	VM	"	"	
Dibenz (a,h) anthracene	<224	224	"	VM	"	"	
Dibenzofuran	<560	560	"	VM	"	"	
Di-n-butyl phthalate	<224	224	"	VM	"	"	
3,3´-Dichlorobenzidine	<560	560	"	VM	"	"	
2,4-Dichlorophenol	<224	224	"	VM	"	"	
Diethyl phthalate	<224	224	"	VM	"	"	
2,4-Dimethylphenol	<1120	1120	"	VM	"	"	
Dimethyl phthalate	<112	112	"	VM	"	"	
2,4-Dinitrophenol	<560	560	"	VM	"	"	
2,4-Dinitrotoluene	<224	224	"	VM	"	"	
2,6-Dinitrotoluene	<224	224	"	VM	"	"	
Di-n-octyl phthalate	<560	560	"	VM	"	"	
Fluoranthene	<112	112	"	VM	"	"	
Fluorene	<224	224	"	VM	"	"	
Hexachlorobenzene	<224	224	"	VM	"	"	
Hexachlorobutadiene	<224	224	"	VM	"	"	
Hexachlorocyclopentadiene	<1120	1120	"	VM	"	"	
Hexachloroethane	<224	224	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<224	224	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-6 (10-15 fbg)

1103051-12 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
SVOA MS							
Isophorone	<224	224	ug/kg dry	VM	03/10/11 16:20	EPA 8270C	
2-Methylphenol	<224	224	"	VM	"	"	
3 & 4-Methylphenol	<224	224	"	VM	"	"	
Naphthalene	<112	112	"	VM	"	"	
Nitrobenzene	<224	224	"	VM	"	"	
N-Nitrosodiphenylamine	<224	224	"	VM	"	"	
N-Nitrosodi-n-propylamine	<224	224	"	VM	"	"	
Pentachlorophenol	<560	560	"	VM	"	"	
Phenanthrene	<224	224	"	VM	"	"	
Phenol	<224	224	"	VM	"	"	
Pyrene	<224	224	"	VM	"	"	
2,4,5-Trichlorophenol	<224	224	"	VM	"	"	
2,4,6-Trichlorophenol	<112	112	"	VM	"	"	
Pesticides							
alpha-BHC	<11.2	11.2	ug/kg dry	VM	03/10/11 15:42	SW 8081	
alpha-Chlordane	<11.2	11.2	"	VM	"	"	
beta-BHC	<11.2	11.2	"	VM	"	"	
Aldrin	<11.2	11.2	"	VM	"	"	
gamma-BHC (Lindane)	<11.2	11.2	"	VM	"	"	
Heptachlor	<11.2	11.2	"	VM	"	"	
delta-BHC	<11.2	11.2	"	VM	"	"	
Endosulfan I	<56.0	56.0	"	VM	"	"	
Endosulfan II	<56.0	56.0	"	VM	"	"	
Endosulfan sulfate	<56.0	56.0	"	VM	"	"	
Endrin	<56.0	56.0	"	VM	"	"	
4,4´-DDD	<56.0	56.0	"	VM	"	"	
4,4´-DDE	<56.0	56.0	"	VM	"	"	
4,4´-DDT	<56.0	56.0	"	VM	"	"	
Methoxychlor	<112	112	"	VM	"	"	
Dieldrin	<56.0	56.0	"	VM	"	"	
Toxaphene	<112	112	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-6 (10-15 fbg)

1103051-12 (Soil)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
PCB							
Aroclor 1016	<112	112	ug/kg dry	VM	03/10/11 19:35	SW 8082	
Aroclor 1221	<112	112	"	VM	"	"	
Aroclor 1232	<112	112	"	VM	"	"	
Aroclor 1242	<112	112	"	VM	"	"	
Aroclor 1248	<112	112	"	VM	"	"	
Aroclor 1254	<112	112	"	VM	"	"	
Aroclor 1260	<112	112	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-1

1103051-13 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Total Metals							
Arsenic	<0.040	0.040	mg/L	MEM	03/08/11 14:29	SW 6010B	
Barium	**1.04**	0.004	"	MEM	"	"	
Beryllium	<0.004	0.004	"	MEM	"	"	
Cadmium	<0.020	0.020	"	MEM	"	"	
Chromium	**0.054**	0.020	"	MEM	"	"	
Copper	**0.078**	0.004	"	MEM	"	"	
Lead	**0.184**	0.040	"	MEM	"	"	
Manganese	**2.05**	0.004	"	MEM	"	"	
Mercury	<0.30	0.30	ug/L	MEM	03/07/11 17:07	SW 7470A	
Nickel	**0.042**	0.010	mg/L	MEM	03/08/11 14:29	SW 6010B	
Selenium	<0.020	0.020	"	MEM	"	"	
Silver	<0.020	0.020	"	MEM	03/08/11 19:53	"	
Zinc	**0.227**	0.020	"	MEM	03/08/11 14:29	"	
CN Total							
Cyanide, Total	<0.020	0.020	mg/L	JD	03/07/11 16:53	LT 10-204-00-1-X	
VOA MS							
Acetone	<10.0	10.0	ug/L	VNS	03/08/11 16:10	SW 8260B	
Acrylonitrile	<5.00	5.00	"	VNS	"	"	
Benzene	<1.00	1.00	"	VNS	"	"	
Bromodichloromethane	<5.00	5.00	"	VNS	"	"	
Bromoform	<1.00	1.00	"	VNS	"	"	
Bromomethane	<2.00	2.00	"	VNS	"	"	
Carbon disulfide	<5.00	5.00	"	VNS	"	"	
Carbon Tetrachloride	<2.00	2.00	"	VNS	"	"	
Chlorobenzene	<1.00	1.00	"	VNS	"	"	
Chloroethane	<2.00	2.00	"	VNS	"	"	
Chloroform	**6.99**	1.00	"	VNS	"	"	
Chloromethane	<2.00	2.00	"	VNS	"	"	
Dibromochloromethane	<5.00	5.00	"	VNS	"	"	
1,2-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,3-Dichlorobenzene	<2.00	2.00	"	VNS	"	"	
1,4-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethane	<2.00	2.00	"	VNS	"	"	
1,2-Dichloroethane	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethene	<1.00	1.00	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-1

1103051-13 (Water)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
cis-1,2-Dichloroethene	**2.57**	1.00	ug/L	VNS	03/08/11 16:10	SW 8260B	
trans-1,2-Dichloroethene	<1.00	1.00	"	VNS	"	"	
1,3-Dichloropropane	<1.00	1.00	"	VNS	"	"	
1,2-Dichloropropane	<2.00	2.00	"	VNS	"	"	
Ethylbenzene	<2.00	2.00	"	VNS	"	"	
Hexachlorobutadiene	<1.00	1.00	"	VNS	"	"	
Methylene Chloride	<10.0	10.0	"	VNS	"	"	
Methyl Ethyl Ketone	<2.00	2.00	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.00	5.00	"	VNS	"	"	
Naphthalene	<5.00	5.00	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.00	2.00	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.00	1.00	"	VNS	"	"	
Tetrachloroethene	<1.00	1.00	"	VNS	"	"	
Toluene	<1.00	1.00	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,1,1-Trichloroethane	<1.00	1.00	"	VNS	"	"	
1,1,2-Trichloroethane	<2.00	2.00	"	VNS	"	"	
Trichloroethene	**7.03**	1.00	"	VNS	"	"	
1,2,3-Trichloropropane	<5.00	5.00	"	VNS	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.00	1.00	"	VNS	"	"	
Vinyl chloride	<5.00	5.00	"	VNS	"	"	
o-Xylene	<1.00	1.00	"	VNS	"	"	
m,p-Xylene	<2.00	2.00	"	VNS	"	"	
1,4-Dioxane	<50.0	50.0	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-1

1103051-13 (Water)

Analytical Chemists Laboratory, LLC.

SVOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acenaphthene	<3.00	3.00	ug/L	VM	03/11/11 16:36	SW 8270C	
Acenaphthylene	<3.00	3.00	"	VM	"	"	
Benzo (a) anthracene	<3.00	3.00	"	VM	"	"	
Benzo (b) fluoranthene	<3.00	3.00	"	VM	"	"	
Benzo (k) fluoranthene	<3.00	3.00	"	VM	"	"	
Benzo (g,h,i) perylene	<3.00	3.00	"	VM	"	"	
Benzo (a) pyrene	<3.00	3.00	"	VM	"	"	
Benzyl alcohol	<6.00	6.00	"	VM	"	"	
Bis(2-chloroethyl)ether	<4.00	4.00	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<4.00	4.00	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	<5.00	5.00	"	VM	"	"	
Anthracene	<3.00	3.00	"	VM	"	"	
Butyl benzyl phthalate	<4.00	4.00	"	VM	"	"	
4-Chloroaniline	<3.00	3.00	"	VM	"	"	
4-Chloro-3-methylphenol	<3.00	3.00	"	VM	"	"	
2-Chlorophenol	<4.00	4.00	"	VM	"	"	
Chrysene	<3.00	3.00	"	VM	"	"	
Dibenz (a,h) anthracene	<3.00	3.00	"	VM	"	"	
Di-n-butyl phthalate	<3.00	3.00	"	VM	"	"	
3,3´-Dichlorobenzidine	<3.00	3.00	"	VM	"	"	
2,4-Dichlorophenol	<3.00	3.00	"	VM	"	"	
Diethyl phthalate	<3.00	3.00	"	VM	"	"	
2,4-Dimethylphenol	<10.0	10.0	"	VM	"	"	
Dimethyl phthalate	<3.00	3.00	"	VM	"	"	
2,4-Dinitrophenol	<6.00	6.00	"	VM	"	"	
2,4-Dinitrotoluene	<3.00	3.00	"	VM	"	"	
2,6-Dinitrotoluene	<3.00	3.00	"	VM	"	"	
Di-n-octyl phthalate	<4.00	4.00	"	VM	"	"	
Fluoranthene	<3.00	3.00	"	VM	"	"	
Fluorene	<3.00	3.00	"	VM	"	"	
Hexachlorobenzene	<5.00	5.00	"	VM	"	"	
Hexachlorobutadiene	<3.00	3.00	"	VM	"	"	
Hexachlorocyclopentadiene	<3.00	3.00	"	VM	"	"	
Hexachloroethane	<4.00	4.00	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<3.00	3.00	"	VM	"	"	
Isophorone	<3.00	3.00	"	VM	"	"	

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170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-1

1103051-13 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
SVOA MS							
2-Methylphenol	<4.00	4.00	ug/L	VM	03/11/11 16:36	SW 8270C	
3 & 4-Methylphenol	<5.00	5.00	"	VM	"	"	
Naphthalene	<4.00	4.00	"	VM	"	"	
Nitrobenzene	<5.00	5.00	"	VM	"	"	
N-Nitrosodiphenylamine	<5.00	5.00	"	VM	"	"	
N-Nitrosodi-n-propylamine	<5.00	5.00	"	VM	"	"	
Pentachlorophenol	<3.00	3.00	"	VM	"	"	
Phenanthrene	<3.00	3.00	"	VM	"	"	
Phenol	<3.00	3.00	"	VM	"	"	
Pyrene	<3.00	3.00	"	VM	"	"	
2,4,5-Trichlorophenol	<3.00	3.00	"	VM	"	"	
2,4,6-Trichlorophenol	<3.00	3.00	"	VM	"	"	
Pesticides							
alpha-BHC	<0.10	0.10	ug/L	VM	03/14/11 15:33	SW 8081	
alpha-Chlordane	<0.10	0.10	"	VM	"	"	
beta-BHC	<0.10	0.10	"	VM	"	"	
Aldrin	<0.10	0.10	"	VM	"	"	
gamma-BHC (Lindane)	<0.10	0.10	"	VM	"	"	
Heptachlor	<0.10	0.10	"	VM	"	"	
delta-BHC	<0.10	0.10	"	VM	"	"	
Endosulfan I	<0.50	0.50	"	VM	"	"	
Endosulfan II	<0.50	0.50	"	VM	"	"	
Endosulfan sulfate	<0.50	0.50	"	VM	"	"	
Endrin	<0.50	0.50	"	VM	"	"	
4,4´-DDD	<0.50	0.50	"	VM	"	"	
4,4´-DDE	<0.50	0.50	"	VM	"	"	
4,4´-DDT	<0.50	0.50	"	VM	"	"	
Methoxychlor	<1.00	1.00	"	VM	"	"	
Dieldrin	<0.50	0.50	"	VM	"	"	
Toxaphene	<1.00	1.00	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-1

1103051-13 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
PCB							
Aroclor 1016	<4.00	4.00	ug/L	VM	03/15/11 17:56	SW 8082	
Aroclor 1221	<4.00	4.00	"	VM	"	"	
Aroclor 1232	<4.00	4.00	"	VM	"	"	
Aroclor 1242	<4.00	4.00	"	VM	"	"	
Aroclor 1248	<4.00	4.00	"	VM	"	"	
Aroclor 1254	<4.00	4.00	"	VM	"	"	
Aroclor 1260	<4.00	4.00	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-2

1103051-14 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Total Metals							
Arsenic	<0.040	0.040	mg/L	MEM	03/08/11 15:04	SW 6010B	
Barium	**0.390**	0.004	"	MEM	"	"	
Beryllium	<0.004	0.004	"	MEM	"	"	
Cadmium	<0.020	0.020	"	MEM	"	"	
Chromium	<0.020	0.020	"	MEM	"	"	
Copper	**0.052**	0.004	"	MEM	"	"	
Lead	**0.090**	0.040	"	MEM	"	"	
Manganese	**0.667**	0.004	"	MEM	"	"	
Mercury	<0.30	0.30	ug/L	MEM	03/07/11 17:10	SW 7470A	
Nickel	<0.010	0.010	mg/L	MEM	03/08/11 15:04	SW 6010B	
Selenium	<0.020	0.020	"	MEM	"	"	
Silver	<0.020	0.020	"	MEM	03/08/11 20:00	"	
Zinc	**0.126**	0.020	"	MEM	03/08/11 15:04	"	
CN Total							
Cyanide, Total	<0.020	0.020	mg/L	JD	03/07/11 16:54	LT 10-204-00-1-X	
VOA MS							
Acetone	<10.0	10.0	ug/L	VNS	03/08/11 16:40	SW 8260B	
Acrylonitrile	<5.00	5.00	"	VNS	"	"	
Benzene	<1.00	1.00	"	VNS	"	"	
Bromodichloromethane	<5.00	5.00	"	VNS	"	"	
Bromoform	<1.00	1.00	"	VNS	"	"	
Bromomethane	<2.00	2.00	"	VNS	"	"	
Carbon disulfide	<5.00	5.00	"	VNS	"	"	
Carbon Tetrachloride	<2.00	2.00	"	VNS	"	"	
Chlorobenzene	<1.00	1.00	"	VNS	"	"	
Chloroethane	<2.00	2.00	"	VNS	"	"	
Chloroform	**4.01**	1.00	"	VNS	"	"	
Chloromethane	<2.00	2.00	"	VNS	"	"	
Dibromochloromethane	<5.00	5.00	"	VNS	"	"	
1,2-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,3-Dichlorobenzene	<2.00	2.00	"	VNS	"	"	
1,4-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethane	<2.00	2.00	"	VNS	"	"	
1,2-Dichloroethane	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethene	<1.00	1.00	"	VNS	"	"	

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Ac Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-2

1103051-14 (Water)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
cis-1,2-Dichloroethene	<1.00	1.00	ug/L	VNS	03/08/11 16:40	SW 8260B	
trans-1,2-Dichloroethene	<1.00	1.00	"	VNS	"	"	
1,3-Dichloropropane	<1.00	1.00	"	VNS	"	"	
1,2-Dichloropropane	<2.00	2.00	"	VNS	"	"	
Ethylbenzene	<2.00	2.00	"	VNS	"	"	
Hexachlorobutadiene	<1.00	1.00	"	VNS	"	"	
Methylene Chloride	<10.0	10.0	"	VNS	"	"	
Methyl Ethyl Ketone	<2.00	2.00	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.00	5.00	"	VNS	"	"	
Naphthalene	<5.00	5.00	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.00	2.00	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.00	1.00	"	VNS	"	"	
Tetrachloroethene	**10.2**	1.00	"	VNS	"	"	
Toluene	<1.00	1.00	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,1,1-Trichloroethane	<1.00	1.00	"	VNS	"	"	
1,1,2-Trichloroethane	<2.00	2.00	"	VNS	"	"	
Trichloroethene	<1.00	1.00	"	VNS	"	"	
1,2,3-Trichloropropane	<5.00	5.00	"	VNS	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.00	1.00	"	VNS	"	"	
Vinyl chloride	<5.00	5.00	"	VNS	"	"	
m,p-Xylene	<2.00	2.00	"	VNS	"	"	
o-Xylene	<1.00	1.00	"	VNS	"	"	
1,4-Dioxane	<50.0	50.0	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-2

1103051-14 (Water)

Analytical Chemists Laboratory, LLC.

SVOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acenaphthene	<3.00	3.00	ug/L	VM	03/11/11 17:04	SW 8270C	
Acenaphthylene	<3.00	3.00	"	VM	"	"	
Benzo (a) anthracene	<3.00	3.00	"	VM	"	"	
Benzo (b) fluoranthene	<3.00	3.00	"	VM	"	"	
Benzo (k) fluoranthene	<3.00	3.00	"	VM	"	"	
Benzo (g,h,i) perylene	<3.00	3.00	"	VM	"	"	
Benzo (a) pyrene	<3.00	3.00	"	VM	"	"	
Benzyl alcohol	<6.00	6.00	"	VM	"	"	
Bis(2-chloroethyl)ether	<4.00	4.00	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<4.00	4.00	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	<5.00	5.00	"	VM	"	"	
Anthracene	<3.00	3.00	"	VM	"	"	
Butyl benzyl phthalate	<4.00	4.00	"	VM	"	"	
4-Chloroaniline	<3.00	3.00	"	VM	"	"	
4-Chloro-3-methylphenol	<3.00	3.00	"	VM	"	"	
2-Chlorophenol	<4.00	4.00	"	VM	"	"	
Chrysene	<3.00	3.00	"	VM	"	"	
Dibenz (a,h) anthracene	<3.00	3.00	"	VM	"	"	
Di-n-butyl phthalate	<3.00	3.00	"	VM	"	"	
3,3´-Dichlorobenzidine	<3.00	3.00	"	VM	"	"	
2,4-Dichlorophenol	<3.00	3.00	"	VM	"	"	
Diethyl phthalate	<3.00	3.00	"	VM	"	"	
2,4-Dimethylphenol	<10.0	10.0	"	VM	"	"	
Dimethyl phthalate	<3.00	3.00	"	VM	"	"	
2,4-Dinitrophenol	<6.00	6.00	"	VM	"	"	
2,4-Dinitrotoluene	<3.00	3.00	"	VM	"	"	
2,6-Dinitrotoluene	<3.00	3.00	"	VM	"	"	
Di-n-octyl phthalate	<4.00	4.00	"	VM	"	"	
Fluoranthene	<3.00	3.00	"	VM	"	"	
Fluorene	<3.00	3.00	"	VM	"	"	
Hexachlorobenzene	<5.00	5.00	"	VM	"	"	
Hexachlorobutadiene	<3.00	3.00	"	VM	"	"	
Hexachlorocyclopentadiene	<3.00	3.00	"	VM	"	"	
Hexachloroethane	<4.00	4.00	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<3.00	3.00	"	VM	"	"	
Isophorone	<3.00	3.00	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-2

1103051-14 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
SVOA MS							
2-Methylphenol	<4.00	4.00	ug/L	VM	03/11/11 17:04	SW 8270C	
3 & 4-Methylphenol	<5.00	5.00	"	VM	"	"	
Naphthalene	<4.00	4.00	"	VM	"	"	
Nitrobenzene	<5.00	5.00	"	VM	"	"	
N-Nitrosodiphenylamine	<5.00	5.00	"	VM	"	"	
N-Nitrosodi-n-propylamine	<5.00	5.00	"	VM	"	"	
Pentachlorophenol	<3.00	3.00	"	VM	"	"	
Phenanthrene	<3.00	3.00	"	VM	"	"	
Phenol	<3.00	3.00	"	VM	"	"	
Pyrene	<3.00	3.00	"	VM	"	"	
2,4,5-Trichlorophenol	<3.00	3.00	"	VM	"	"	
2,4,6-Trichlorophenol	<3.00	3.00	"	VM	"	"	
Pesticides							
alpha-BHC	<0.10	0.10	ug/L	VM	03/14/11 15:55	SW 8081	
alpha-Chlordane	<0.10	0.10	"	VM	"	"	
beta-BHC	<0.10	0.10	"	VM	"	"	
Aldrin	<0.10	0.10	"	VM	"	"	
gamma-BHC (Lindane)	<0.10	0.10	"	VM	"	"	
Heptachlor	<0.10	0.10	"	VM	"	"	
delta-BHC	<0.10	0.10	"	VM	"	"	
Endosulfan I	<0.50	0.50	"	VM	"	"	
Endosulfan II	<0.50	0.50	"	VM	"	"	
Endosulfan sulfate	<0.50	0.50	"	VM	"	"	
Endrin	<0.50	0.50	"	VM	"	"	
4,4´-DDD	<0.50	0.50	"	VM	"	"	
4,4´-DDE	<0.50	0.50	"	VM	"	"	
4,4´-DDT	<0.50	0.50	"	VM	"	"	
Methoxychlor	<1.00	1.00	"	VM	"	"	
Dieldrin	<0.50	0.50	"	VM	"	"	
Toxaphene	<1.00	1.00	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-2

1103051-14 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
PCB							
Aroclor 1016	<4.00	4.00	ug/L	VM	03/15/11 18:31	SW 8082	
Aroclor 1221	<4.00	4.00	"	VM	"	"	
Aroclor 1232	<4.00	4.00	"	VM	"	"	
Aroclor 1242	<4.00	4.00	"	VM	"	"	
Aroclor 1248	<4.00	4.00	"	VM	"	"	
Aroclor 1254	<4.00	4.00	"	VM	"	"	
Aroclor 1260	<4.00	4.00	"	VM	"	"	

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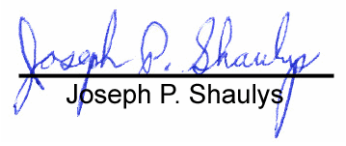

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-3

1103051-15 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Total Metals							
Arsenic	<0.040	0.040	mg/L	MEM	03/08/11 15:10	SW 6010B	
Barium	**0.388**	0.004	"	MEM	"	"	
Beryllium	<0.004	0.004	"	MEM	"	"	
Cadmium	<0.020	0.020	"	MEM	"	"	
Chromium	**0.026**	0.020	"	MEM	"	"	
Copper	**0.109**	0.004	"	MEM	"	"	
Lead	**0.582**	0.040	"	MEM	"	"	
Manganese	**0.856**	0.004	"	MEM	"	"	
Mercury	<0.30	0.30	ug/L	MEM	03/07/11 17:12	SW 7470A	
Nickel	**0.018**	0.010	mg/L	MEM	03/08/11 15:10	SW 6010B	
Selenium	<0.020	0.020	"	MEM	"	"	
Silver	<0.020	0.020	"	MEM	03/08/11 20:06	"	
Zinc	**0.377**	0.020	"	MEM	03/08/11 15:10	"	
CN Total							
Cyanide, Total	<0.020	0.020	mg/L	JD	03/07/11 16:55	LT 10-204-00-1-X	
VOA MS							
Acetone	**11.2**	10.0	ug/L	VNS	03/08/11 17:09	SW 8260B	
Acrylonitrile	<5.00	5.00	"	VNS	"	"	
Benzene	<1.00	1.00	"	VNS	"	"	
Bromodichloromethane	<5.00	5.00	"	VNS	"	"	
Bromoform	<1.00	1.00	"	VNS	"	"	
Bromomethane	<2.00	2.00	"	VNS	"	"	
Carbon disulfide	<5.00	5.00	"	VNS	"	"	
Carbon Tetrachloride	<2.00	2.00	"	VNS	"	"	
Chlorobenzene	<1.00	1.00	"	VNS	"	"	
Chloroethane	<2.00	2.00	"	VNS	"	"	
Chloroform	**35.6**	1.00	"	VNS	"	"	
Chloromethane	<2.00	2.00	"	VNS	"	"	
Dibromochloromethane	<5.00	5.00	"	VNS	"	"	
1,2-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,3-Dichlorobenzene	<2.00	2.00	"	VNS	"	"	
1,4-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethane	<2.00	2.00	"	VNS	"	"	
1,2-Dichloroethane	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethene	<1.00	1.00	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-3

1103051-15 (Water)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
cis-1,2-Dichloroethene	<1.00	1.00	ug/L	VNS	03/08/11 17:09	SW 8260B	
trans-1,2-Dichloroethene	<1.00	1.00	"	VNS	"	"	
1,3-Dichloropropane	<1.00	1.00	"	VNS	"	"	
1,2-Dichloropropane	<2.00	2.00	"	VNS	"	"	
Ethylbenzene	<2.00	2.00	"	VNS	"	"	
Hexachlorobutadiene	<1.00	1.00	"	VNS	"	"	
Methylene Chloride	<10.0	10.0	"	VNS	"	"	
Methyl Ethyl Ketone	<2.00	2.00	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.00	5.00	"	VNS	"	"	
Naphthalene	<5.00	5.00	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.00	2.00	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.00	1.00	"	VNS	"	"	
Tetrachloroethene	**2.22**	1.00	"	VNS	"	"	
Toluene	<1.00	1.00	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,1,1-Trichloroethane	<1.00	1.00	"	VNS	"	"	
1,1,2-Trichloroethane	<2.00	2.00	"	VNS	"	"	
Trichloroethene	<1.00	1.00	"	VNS	"	"	
1,2,3-Trichloropropane	<5.00	5.00	"	VNS	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.00	1.00	"	VNS	"	"	
Vinyl chloride	<5.00	5.00	"	VNS	"	"	
o-Xylene	<1.00	1.00	"	VNS	"	"	
m,p-Xylene	<2.00	2.00	"	VNS	"	"	
1,4-Dioxane	<50.0	50.0	"	VNS	"	"	

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170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-3

1103051-15 (Water)

Analytical Chemists Laboratory, LLC.

SVOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acenaphthene	<3.00	3.00	ug/L	VM	03/11/11 17:32	SW 8270C	
Acenaphthylene	<3.00	3.00	"	VM	"	"	
Benzo (a) anthracene	<3.00	3.00	"	VM	"	"	
Benzo (b) fluoranthene	<3.00	3.00	"	VM	"	"	
Benzo (k) fluoranthene	<3.00	3.00	"	VM	"	"	
Benzo (g,h,i) perylene	<3.00	3.00	"	VM	"	"	
Benzo (a) pyrene	<3.00	3.00	"	VM	"	"	
Benzyl alcohol	<6.00	6.00	"	VM	"	"	
Bis(2-chloroethyl)ether	<4.00	4.00	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<4.00	4.00	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	<5.00	5.00	"	VM	"	"	
Anthracene	<3.00	3.00	"	VM	"	"	
Butyl benzyl phthalate	<4.00	4.00	"	VM	"	"	
4-Chloroaniline	<3.00	3.00	"	VM	"	"	
4-Chloro-3-methylphenol	<3.00	3.00	"	VM	"	"	
2-Chlorophenol	<4.00	4.00	"	VM	"	"	
Chrysene	<3.00	3.00	"	VM	"	"	
Dibenz (a,h) anthracene	<3.00	3.00	"	VM	"	"	
Di-n-butyl phthalate	<3.00	3.00	"	VM	"	"	
3,3´-Dichlorobenzidine	<3.00	3.00	"	VM	"	"	
2,4-Dichlorophenol	<3.00	3.00	"	VM	"	"	
Diethyl phthalate	<3.00	3.00	"	VM	"	"	
2,4-Dimethylphenol	<10.0	10.0	"	VM	"	"	
Dimethyl phthalate	<3.00	3.00	"	VM	"	"	
2,4-Dinitrophenol	<6.00	6.00	"	VM	"	"	
2,4-Dinitrotoluene	<3.00	3.00	"	VM	"	"	
2,6-Dinitrotoluene	<3.00	3.00	"	VM	"	"	
Di-n-octyl phthalate	<4.00	4.00	"	VM	"	"	
Fluoranthene	<3.00	3.00	"	VM	"	"	
Fluorene	<3.00	3.00	"	VM	"	"	
Hexachlorobenzene	<5.00	5.00	"	VM	"	"	
Hexachlorobutadiene	<3.00	3.00	"	VM	"	"	
Hexachlorocyclopentadiene	<3.00	3.00	"	VM	"	"	
Hexachloroethane	<4.00	4.00	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<3.00	3.00	"	VM	"	"	
Isophorone	<3.00	3.00	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-3

1103051-15 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
SVOA MS							
2-Methylphenol	<4.00	4.00	ug/L	VM	03/11/11 17:32	SW 8270C	
3 & 4-Methylphenol	<5.00	5.00	"	VM	"	"	
Naphthalene	<4.00	4.00	"	VM	"	"	
Nitrobenzene	<5.00	5.00	"	VM	"	"	
N-Nitrosodiphenylamine	<5.00	5.00	"	VM	"	"	
N-Nitrosodi-n-propylamine	<5.00	5.00	"	VM	"	"	
Pentachlorophenol	<3.00	3.00	"	VM	"	"	
Phenanthrene	<3.00	3.00	"	VM	"	"	
Phenol	<3.00	3.00	"	VM	"	"	
Pyrene	<3.00	3.00	"	VM	"	"	
2,4,5-Trichlorophenol	<3.00	3.00	"	VM	"	"	
2,4,6-Trichlorophenol	<3.00	3.00	"	VM	"	"	
Pesticides							
alpha-BHC	<0.10	0.10	ug/L	VM	03/14/11 16:17	SW 8081	
alpha-Chlordane	<0.10	0.10	"	VM	"	"	
beta-BHC	<0.10	0.10	"	VM	"	"	
Aldrin	<0.10	0.10	"	VM	"	"	
gamma-BHC (Lindane)	<0.10	0.10	"	VM	"	"	
Heptachlor	<0.10	0.10	"	VM	"	"	
delta-BHC	<0.10	0.10	"	VM	"	"	
Endosulfan I	<0.50	0.50	"	VM	"	"	
Endosulfan II	<0.50	0.50	"	VM	"	"	
Endosulfan sulfate	<0.50	0.50	"	VM	"	"	
Endrin	<0.50	0.50	"	VM	"	"	
4,4´-DDD	<0.50	0.50	"	VM	"	"	
4,4´-DDE	<0.50	0.50	"	VM	"	"	
4,4´-DDT	<0.50	0.50	"	VM	"	"	
Methoxychlor	<1.00	1.00	"	VM	"	"	
Dieldrin	<0.50	0.50	"	VM	"	"	
Toxaphene	<1.00	1.00	"	VM	"	"	

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Ac Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-3

1103051-15 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
PCB							
Aroclor 1016	<4.00	4.00	ug/L	VM	03/15/11 19:06	SW 8082	
Aroclor 1221	<4.00	4.00	"	VM	"	"	
Aroclor 1232	<4.00	4.00	"	VM	"	"	
Aroclor 1242	<4.00	4.00	"	VM	"	"	
Aroclor 1248	<4.00	4.00	"	VM	"	"	
Aroclor 1254	<4.00	4.00	"	VM	"	"	
Aroclor 1260	<4.00	4.00	"	VM	"	"	

Analytical Chemists Laboratory, LLC.

Joseph P. Shaulys

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-4

1103051-16 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Total Metals							
Arsenic	<0.040	0.040	mg/L	MEM	03/08/11 15:16	SW 6010B	
Barium	**0.561**	0.004	"	MEM	"	"	
Beryllium	<0.004	0.004	"	MEM	"	"	
Cadmium	<0.020	0.020	"	MEM	"	"	
Chromium	**0.033**	0.020	"	MEM	"	"	
Copper	**0.081**	0.004	"	MEM	"	"	
Lead	**0.216**	0.040	"	MEM	"	"	
Manganese	**1.90**	0.004	"	MEM	"	"	
Mercury	<0.30	0.30	ug/L	MEM	03/07/11 17:14	SW 7470A	
Nickel	**0.026**	0.010	mg/L	MEM	03/08/11 15:16	SW 6010B	
Selenium	<0.020	0.020	"	MEM	"	"	
Silver	<0.020	0.020	"	MEM	03/08/11 20:12	"	
Zinc	**0.298**	0.020	"	MEM	03/08/11 15:16	"	
CN Total							
Cyanide, Total	<0.020	0.020	mg/L	JD	03/07/11 16:56	LT 10-204-00-1-X	QM-07
VOA MS							
Acetone	<10.0	10.0	ug/L	VNS	03/08/11 17:38	SW 8260B	
Acrylonitrile	<5.00	5.00	"	VNS	"	"	
Benzene	<1.00	1.00	"	VNS	"	"	
Bromodichloromethane	<5.00	5.00	"	VNS	"	"	
Bromoform	<1.00	1.00	"	VNS	"	"	
Bromomethane	<2.00	2.00	"	VNS	"	"	
Carbon disulfide	<5.00	5.00	"	VNS	"	"	
Carbon Tetrachloride	<2.00	2.00	"	VNS	"	"	
Chlorobenzene	<1.00	1.00	"	VNS	"	"	
Chloroethane	<2.00	2.00	"	VNS	"	"	
Chloroform	**11.4**	1.00	"	VNS	"	"	
Chloromethane	<2.00	2.00	"	VNS	"	"	
Dibromochloromethane	<5.00	5.00	"	VNS	"	"	
1,2-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,3-Dichlorobenzene	<2.00	2.00	"	VNS	"	"	
1,4-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethane	<2.00	2.00	"	VNS	"	"	
1,2-Dichloroethane	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethene	<1.00	1.00	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-4

1103051-16 (Water)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
cis-1,2-Dichloroethene	<1.00	1.00	ug/L	VNS	03/08/11 17:38	SW 8260B	
trans-1,2-Dichloroethene	<1.00	1.00	"	VNS	"	"	
1,3-Dichloropropane	<1.00	1.00	"	VNS	"	"	
1,2-Dichloropropane	<2.00	2.00	"	VNS	"	"	
Ethylbenzene	<2.00	2.00	"	VNS	"	"	
Hexachlorobutadiene	<1.00	1.00	"	VNS	"	"	
Methylene Chloride	<10.0	10.0	"	VNS	"	"	
Methyl Ethyl Ketone	<2.00	2.00	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.00	5.00	"	VNS	"	"	
Naphthalene	<5.00	5.00	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.00	2.00	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.00	1.00	"	VNS	"	"	
Tetrachloroethene	**12.9**	1.00	"	VNS	"	"	
Toluene	<1.00	1.00	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,1,1-Trichloroethane	<1.00	1.00	"	VNS	"	"	
1,1,2-Trichloroethane	<2.00	2.00	"	VNS	"	"	
Trichloroethene	<1.00	1.00	"	VNS	"	"	
1,2,3-Trichloropropane	<5.00	5.00	"	VNS	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.00	1.00	"	VNS	"	"	
Vinyl chloride	<5.00	5.00	"	VNS	"	"	
o-Xylene	<1.00	1.00	"	VNS	"	"	
m,p-Xylene	<2.00	2.00	"	VNS	"	"	
1,4-Dioxane	<50.0	50.0	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-4

1103051-16 (Water)

Analytical Chemists Laboratory, LLC.

SVOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acenaphthene	<3.00	3.00	ug/L	VM	03/11/11 17:59	SW 8270C	
Acenaphthylene	<3.00	3.00	"	VM	"	"	
Benzo (a) anthracene	<3.00	3.00	"	VM	"	"	
Benzo (b) fluoranthene	<3.00	3.00	"	VM	"	"	
Benzo (k) fluoranthene	<3.00	3.00	"	VM	"	"	
Benzo (g,h,i) perylene	<3.00	3.00	"	VM	"	"	
Benzo (a) pyrene	<3.00	3.00	"	VM	"	"	
Benzyl alcohol	<6.00	6.00	"	VM	"	"	
Bis(2-chloroethyl)ether	<4.00	4.00	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<4.00	4.00	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	<5.00	5.00	"	VM	"	"	
Anthracene	<3.00	3.00	"	VM	"	"	
Butyl benzyl phthalate	<4.00	4.00	"	VM	"	"	
4-Chloroaniline	<3.00	3.00	"	VM	"	"	
4-Chloro-3-methylphenol	<3.00	3.00	"	VM	"	"	
2-Chlorophenol	<4.00	4.00	"	VM	"	"	
Chrysene	<3.00	3.00	"	VM	"	"	
Dibenz (a,h) anthracene	<3.00	3.00	"	VM	"	"	
Di-n-butyl phthalate	<3.00	3.00	"	VM	"	"	
3,3´-Dichlorobenzidine	<3.00	3.00	"	VM	"	"	
2,4-Dichlorophenol	<3.00	3.00	"	VM	"	"	
Diethyl phthalate	<3.00	3.00	"	VM	"	"	
2,4-Dimethylphenol	<10.0	10.0	"	VM	"	"	
Dimethyl phthalate	<3.00	3.00	"	VM	"	"	
2,4-Dinitrophenol	<6.00	6.00	"	VM	"	"	
2,4-Dinitrotoluene	<3.00	3.00	"	VM	"	"	
2,6-Dinitrotoluene	<3.00	3.00	"	VM	"	"	
Di-n-octyl phthalate	<4.00	4.00	"	VM	"	"	
Fluoranthene	<3.00	3.00	"	VM	"	"	
Fluorene	<3.00	3.00	"	VM	"	"	
Hexachlorobenzene	<5.00	5.00	"	VM	"	"	
Hexachlorobutadiene	<3.00	3.00	"	VM	"	"	
Hexachlorocyclopentadiene	<3.00	3.00	"	VM	"	"	
Hexachloroethane	<4.00	4.00	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<3.00	3.00	"	VM	"	"	
Isophorone	<3.00	3.00	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-4

1103051-16 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
SVOA MS							
2-Methylphenol	<4.00	4.00	ug/L	VM	03/11/11 17:59	SW 8270C	
3 & 4-Methylphenol	<5.00	5.00	"	VM	"	"	
Naphthalene	<4.00	4.00	"	VM	"	"	
Nitrobenzene	<5.00	5.00	"	VM	"	"	
N-Nitrosodiphenylamine	<5.00	5.00	"	VM	"	"	
N-Nitrosodi-n-propylamine	<5.00	5.00	"	VM	"	"	
Pentachlorophenol	<3.00	3.00	"	VM	"	"	
Phenanthrene	<3.00	3.00	"	VM	"	"	
Phenol	<3.00	3.00	"	VM	"	"	
Pyrene	<3.00	3.00	"	VM	"	"	
2,4,5-Trichlorophenol	<3.00	3.00	"	VM	"	"	
2,4,6-Trichlorophenol	<3.00	3.00	"	VM	"	"	
Pesticides							
alpha-BHC	<0.10	0.10	ug/L	VM	03/14/11 16:39	SW 8081	
alpha-Chlordane	<0.10	0.10	"	VM	"	"	
beta-BHC	<0.10	0.10	"	VM	"	"	
Aldrin	<0.10	0.10	"	VM	"	"	
gamma-BHC (Lindane)	<0.10	0.10	"	VM	"	"	
Heptachlor	<0.10	0.10	"	VM	"	"	
delta-BHC	<0.10	0.10	"	VM	"	"	
Endosulfan I	<0.50	0.50	"	VM	"	"	
Endosulfan II	<0.50	0.50	"	VM	"	"	
Endosulfan sulfate	<0.50	0.50	"	VM	"	"	
Endrin	<0.50	0.50	"	VM	"	"	
4,4´-DDD	<0.50	0.50	"	VM	"	"	
4,4´-DDE	<0.50	0.50	"	VM	"	"	
4,4´-DDT	<0.50	0.50	"	VM	"	"	
Methoxychlor	<1.00	1.00	"	VM	"	"	
Dieldrin	<0.50	0.50	"	VM	"	"	
Toxaphene	<1.00	1.00	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-4

1103051-16 (Water)

Analytical Chemists Laboratory, LLC.

PCB

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Aroclor 1016	<4.00	4.00	ug/L	VM	03/15/11 19:41	SW 8082	
Aroclor 1221	<4.00	4.00	"	VM	"	"	
Aroclor 1232	<4.00	4.00	"	VM	"	"	
Aroclor 1242	<4.00	4.00	"	VM	"	"	
Aroclor 1248	<4.00	4.00	"	VM	"	"	
Aroclor 1254	<4.00	4.00	"	VM	"	"	
Aroclor 1260	<4.00	4.00	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-5

1103051-17 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Total Metals							
Arsenic	<0.040	0.040	mg/L	MEM	03/08/11 15:22	SW 6010B	
Barium	**0.796**	0.004	"	MEM	"	"	
Beryllium	<0.004	0.004	"	MEM	"	"	
Cadmium	<0.020	0.020	"	MEM	"	"	
Chromium	<0.020	0.020	"	MEM	"	"	
Copper	**0.099**	0.004	"	MEM	"	"	
Lead	**0.653**	0.040	"	MEM	"	"	
Manganese	**1.23**	0.004	"	MEM	"	"	
Mercury	<0.30	0.30	ug/L	MEM	03/07/11 17:16	SW 7470A	
Nickel	**0.036**	0.010	mg/L	MEM	03/08/11 15:22	SW 6010B	
Selenium	<0.020	0.020	"	MEM	"	"	
Silver	<0.020	0.020	"	MEM	03/08/11 20:18	"	
Zinc	**1.93**	0.020	"	MEM	03/08/11 15:22	"	
CN Total							
Cyanide, Total	**0.079**	0.020	mg/L	JD	03/07/11 16:58	LT 10-204-00-1-X	
VOA MS							
Acetone	<10.0	10.0	ug/L	VNS	03/08/11 18:07	SW 8260B	
Acrylonitrile	<5.00	5.00	"	VNS	"	"	
Benzene	<1.00	1.00	"	VNS	"	"	
Bromodichloromethane	<5.00	5.00	"	VNS	"	"	
Bromoform	<1.00	1.00	"	VNS	"	"	
Bromomethane	<2.00	2.00	"	VNS	"	"	
Carbon disulfide	<5.00	5.00	"	VNS	"	"	
Carbon Tetrachloride	<2.00	2.00	"	VNS	"	"	
Chlorobenzene	<1.00	1.00	"	VNS	"	"	
Chloroethane	<2.00	2.00	"	VNS	"	"	
Chloroform	**24.0**	1.00	"	VNS	"	"	
Chloromethane	<2.00	2.00	"	VNS	"	"	
Dibromochloromethane	<5.00	5.00	"	VNS	"	"	
1,2-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,3-Dichlorobenzene	<2.00	2.00	"	VNS	"	"	
1,4-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethane	<2.00	2.00	"	VNS	"	"	
1,2-Dichloroethane	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethene	<1.00	1.00	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-5

1103051-17 (Water)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
cis-1,2-Dichloroethene	<1.00	1.00	ug/L	VNS	03/08/11 18:07	SW 8260B	
trans-1,2-Dichloroethene	<1.00	1.00	"	VNS	"	"	
1,3-Dichloropropane	<1.00	1.00	"	VNS	"	"	
1,2-Dichloropropane	<2.00	2.00	"	VNS	"	"	
Ethylbenzene	<2.00	2.00	"	VNS	"	"	
Hexachlorobutadiene	<1.00	1.00	"	VNS	"	"	
Methylene Chloride	<10.0	10.0	"	VNS	"	"	
Methyl Ethyl Ketone	<2.00	2.00	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.00	5.00	"	VNS	"	"	
Naphthalene	<5.00	5.00	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.00	2.00	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.00	1.00	"	VNS	"	"	
Tetrachloroethene	<1.00	1.00	"	VNS	"	"	
Toluene	<1.00	1.00	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,1,1-Trichloroethane	<1.00	1.00	"	VNS	"	"	
1,1,2-Trichloroethane	<2.00	2.00	"	VNS	"	"	
Trichloroethene	<1.00	1.00	"	VNS	"	"	
1,2,3-Trichloropropane	<5.00	5.00	"	VNS	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane	<1.00	1.00	"	VNS	"	"	
Vinyl chloride	<5.00	5.00	"	VNS	"	"	
o-Xylene	<1.00	1.00	"	VNS	"	"	
m,p-Xylene	<2.00	2.00	"	VNS	"	"	
1,4-Dioxane	<50.0	50.0	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-5

1103051-17 (Water)

Analytical Chemists Laboratory, LLC.

SVOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acenaphthene	<3.00	3.00	ug/L	VM	03/11/11 18:27	SW 8270C	
Acenaphthylene	<3.00	3.00	"	VM	"	"	
Benzo (a) anthracene	<3.00	3.00	"	VM	"	"	
Benzo (b) fluoranthene	<3.00	3.00	"	VM	"	"	
Benzo (k) fluoranthene	<3.00	3.00	"	VM	"	"	
Benzo (g,h,i) perylene	<3.00	3.00	"	VM	"	"	
Benzo (a) pyrene	<3.00	3.00	"	VM	"	"	
Benzyl alcohol	<6.00	6.00	"	VM	"	"	
Bis(2-chloroethyl)ether	<4.00	4.00	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<4.00	4.00	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	<5.00	5.00	"	VM	"	"	
Anthracene	<3.00	3.00	"	VM	"	"	
Butyl benzyl phthalate	<4.00	4.00	"	VM	"	"	
4-Chloroaniline	<3.00	3.00	"	VM	"	"	
4-Chloro-3-methylphenol	<3.00	3.00	"	VM	"	"	
2-Chlorophenol	<4.00	4.00	"	VM	"	"	
Chrysene	<3.00	3.00	"	VM	"	"	
Dibenz (a,h) anthracene	<3.00	3.00	"	VM	"	"	
Di-n-butyl phthalate	<3.00	3.00	"	VM	"	"	
3,3´-Dichlorobenzidine	<3.00	3.00	"	VM	"	"	
2,4-Dichlorophenol	<3.00	3.00	"	VM	"	"	
Diethyl phthalate	<3.00	3.00	"	VM	"	"	
2,4-Dimethylphenol	<10.0	10.0	"	VM	"	"	
Dimethyl phthalate	<3.00	3.00	"	VM	"	"	
2,4-Dinitrophenol	<6.00	6.00	"	VM	"	"	
2,4-Dinitrotoluene	<3.00	3.00	"	VM	"	"	
2,6-Dinitrotoluene	<3.00	3.00	"	VM	"	"	
Di-n-octyl phthalate	<4.00	4.00	"	VM	"	"	
Fluoranthene	<3.00	3.00	"	VM	"	"	
Fluorene	<3.00	3.00	"	VM	"	"	
Hexachlorobenzene	<5.00	5.00	"	VM	"	"	
Hexachlorobutadiene	<3.00	3.00	"	VM	"	"	
Hexachlorocyclopentadiene	<3.00	3.00	"	VM	"	"	
Hexachloroethane	<4.00	4.00	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<3.00	3.00	"	VM	"	"	
Isophorone	<3.00	3.00	"	VM	"	"	

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Fax: (631) 414-7688

Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-5

1103051-17 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
SVOA MS							
2-Methylphenol	<4.00	4.00	ug/L	VM	03/11/11 18:27	SW 8270C	
3 & 4-Methylphenol	<5.00	5.00	"	VM	"	"	
Naphthalene	<4.00	4.00	"	VM	"	"	
Nitrobenzene	<5.00	5.00	"	VM	"	"	
N-Nitrosodiphenylamine	<5.00	5.00	"	VM	"	"	
N-Nitrosodi-n-propylamine	<5.00	5.00	"	VM	"	"	
Pentachlorophenol	<3.00	3.00	"	VM	"	"	
Phenanthrene	<3.00	3.00	"	VM	"	"	
Phenol	<3.00	3.00	"	VM	"	"	
Pyrene	<3.00	3.00	"	VM	"	"	
2,4,5-Trichlorophenol	<3.00	3.00	"	VM	"	"	
2,4,6-Trichlorophenol	<3.00	3.00	"	VM	"	"	
Pesticides							
alpha-BHC	<0.10	0.10	ug/L	VM	03/14/11 17:01	SW 8081	
alpha-Chlordane	<0.10	0.10	"	VM	"	"	
beta-BHC	<0.10	0.10	"	VM	"	"	
Aldrin	<0.10	0.10	"	VM	"	"	
gamma-BHC (Lindane)	<0.10	0.10	"	VM	"	"	
Heptachlor	<0.10	0.10	"	VM	"	"	
delta-BHC	<0.10	0.10	"	VM	"	"	
Endosulfan I	<0.50	0.50	"	VM	"	"	
Endosulfan II	<0.50	0.50	"	VM	"	"	
Endosulfan sulfate	<0.50	0.50	"	VM	"	"	
Endrin	<0.50	0.50	"	VM	"	"	
4,4´-DDD	<0.50	0.50	"	VM	"	"	
4,4´-DDE	<0.50	0.50	"	VM	"	"	
4,4´-DDT	<0.50	0.50	"	VM	"	"	
Methoxychlor	<1.00	1.00	"	VM	"	"	
Dieldrin	<0.50	0.50	"	VM	"	"	
Toxaphene	<1.00	1.00	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

MW-5

1103051-17 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
PCB							
Aroclor 1016	<4.00	4.00	ug/L	VM	03/15/11 20:16	SW 8082	
Aroclor 1221	<4.00	4.00	"	VM	"	"	
Aroclor 1232	<4.00	4.00	"	VM	"	"	
Aroclor 1242	<4.00	4.00	"	VM	"	"	
Aroclor 1248	<4.00	4.00	"	VM	"	"	
Aroclor 1254	<4.00	4.00	"	VM	"	"	
Aroclor 1260	<4.00	4.00	"	VM	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-1 (0-5 fbg)

1103051-18 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acetone	**20.8**	11.9	ug/kg dry	VNS	03/08/11 06:30	SW 8260B	
Acrylonitrile	<5.95	5.95	"	VNS	"	"	
Benzene	<1.19	1.19	"	VNS	"	"	
Bromodichloromethane	<5.95	5.95	"	VNS	"	"	
Bromoform	<1.19	1.19	"	VNS	"	"	
Bromomethane	<2.38	2.38	"	VNS	"	"	
sec-Butylbenzene	<1.19	1.19	"	VNS	"	"	
n-Butylbenzene	<1.19	1.19	"	VNS	"	"	
tert-Butylbenzene	<1.19	1.19	"	VNS	"	"	
Carbon Tetrachloride	<2.38	2.38	"	VNS	"	"	
Chlorobenzene	<1.19	1.19	"	VNS	"	"	
Chloroform	<1.19	1.19	"	VNS	"	"	
Chloromethane	<2.38	2.38	"	VNS	"	"	
Dibromochloromethane	<5.95	5.95	"	VNS	"	"	
1,2-Dichlorobenzene	<1.19	1.19	"	VNS	"	"	
1,3-Dichlorobenzene	<2.38	2.38	"	VNS	"	"	
1,4-Dichlorobenzene	<1.19	1.19	"	VNS	"	"	
1,1-Dichloroethane	<2.38	2.38	"	VNS	"	"	
1,2-Dichloroethane	<1.19	1.19	"	VNS	"	"	
1,1-Dichloroethene	<1.19	1.19	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.19	1.19	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.19	1.19	"	VNS	"	"	
1,2-Dichloropropane	<2.38	2.38	"	VNS	"	"	
Ethylbenzene	<2.38	2.38	"	VNS	"	"	
Hexachlorobutadiene	<1.19	1.19	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.19	1.19	"	VNS	"	"	
Methylene Chloride	**20.0**	11.9	"	VNS	"	"	
Methyl Ethyl Ketone	<2.38	2.38	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.95	5.95	"	VNS	"	"	
Naphthalene	<5.95	5.95	"	VNS	"	"	
n-Propylbenzene	<2.38	2.38	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.38	2.38	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.19	1.19	"	VNS	"	"	
Tetrachloroethene	**8.92**	1.19	"	VNS	"	"	
Toluene	**1.48**	1.19	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.19	1.19	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-1 (0-5 fbg)

1103051-18 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,1,1-Trichloroethane	<1.19	1.19	ug/kg dry	VNS	03/08/11 06:30	SW 8260B	
1,1,2-Trichloroethane	<2.38	2.38	"	VNS	"	"	
Trichloroethene	<1.19	1.19	"	VNS	"	"	
1,2,4-Trimethylbenzene	**1.50**	1.19	"	VNS	"	"	B
1,3,5-Trimethylbenzene	<1.19	1.19	"	VNS	"	"	
Vinyl chloride	<5.95	5.95	"	VNS	"	"	
o-Xylene	<1.19	1.19	"	VNS	"	"	
m,p-Xylene	<2.38	2.38	"	VNS	"	"	
1,4-Dioxane	<59.5	59.5	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-2 (5-10 fbg)

1103051-19 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acetone	**65.6**	11.2	ug/kg dry	VNS	03/08/11 07:01	SW 8260B	
Acrylonitrile	<5.62	5.62	"	VNS	"	"	
Benzene	<1.12	1.12	"	VNS	"	"	
Bromodichloromethane	<5.62	5.62	"	VNS	"	"	
Bromoform	<1.12	1.12	"	VNS	"	"	
Bromomethane	<2.25	2.25	"	VNS	"	"	
sec-Butylbenzene	<1.12	1.12	"	VNS	"	"	
n-Butylbenzene	<1.12	1.12	"	VNS	"	"	
tert-Butylbenzene	<1.12	1.12	"	VNS	"	"	
Carbon Tetrachloride	<2.25	2.25	"	VNS	"	"	
Chlorobenzene	<1.12	1.12	"	VNS	"	"	
Chloroform	<1.12	1.12	"	VNS	"	"	
Chloromethane	<2.25	2.25	"	VNS	"	"	
Dibromochloromethane	<5.62	5.62	"	VNS	"	"	
1,2-Dichlorobenzene	<1.12	1.12	"	VNS	"	"	
1,3-Dichlorobenzene	<2.25	2.25	"	VNS	"	"	
1,4-Dichlorobenzene	<1.12	1.12	"	VNS	"	"	
1,1-Dichloroethane	<2.25	2.25	"	VNS	"	"	
1,2-Dichloroethane	<1.12	1.12	"	VNS	"	"	
1,1-Dichloroethene	<1.12	1.12	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.12	1.12	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.12	1.12	"	VNS	"	"	
1,2-Dichloropropane	<2.25	2.25	"	VNS	"	"	
Ethylbenzene	<2.25	2.25	"	VNS	"	"	
Hexachlorobutadiene	<1.12	1.12	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.12	1.12	"	VNS	"	"	
Methylene Chloride	**18.0**	11.2	"	VNS	"	"	
Methyl Ethyl Ketone	<2.25	2.25	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.62	5.62	"	VNS	"	"	
Naphthalene	<5.62	5.62	"	VNS	"	"	
n-Propylbenzene	<2.25	2.25	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.25	2.25	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.12	1.12	"	VNS	"	"	
Tetrachloroethene	**8.66**	1.12	"	VNS	"	"	
Toluene	**1.39**	1.12	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.12	1.12	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-2 (5-10 fbg)

1103051-19 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,1,1-Trichloroethane	<1.12	1.12	ug/kg dry	VNS	03/08/11 07:01	SW 8260B	
1,1,2-Trichloroethane	<2.25	2.25	"	VNS	"	"	
Trichloroethene	<1.12	1.12	"	VNS	"	"	
1,2,4-Trimethylbenzene	**1.25**	1.12	"	VNS	"	"	B
1,3,5-Trimethylbenzene	<1.12	1.12	"	VNS	"	"	
Vinyl chloride	<5.62	5.62	"	VNS	"	"	
m,p-Xylene	<2.25	2.25	"	VNS	"	"	
o-Xylene	<1.12	1.12	"	VNS	"	"	
1,4-Dioxane	<56.2	56.2	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-3 (5-10 fbg)

1103051-20 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acetone	**29.4**	11.6	ug/kg dry	VNS	03/08/11 07:33	SW 8260B	
Acrylonitrile	<5.78	5.78	"	VNS	"	"	
Benzene	<1.16	1.16	"	VNS	"	"	
Bromodichloromethane	<5.78	5.78	"	VNS	"	"	
Bromoform	<1.16	1.16	"	VNS	"	"	
Bromomethane	<2.31	2.31	"	VNS	"	"	
sec-Butylbenzene	<1.16	1.16	"	VNS	"	"	
n-Butylbenzene	<1.16	1.16	"	VNS	"	"	
tert-Butylbenzene	<1.16	1.16	"	VNS	"	"	
Carbon Tetrachloride	<2.31	2.31	"	VNS	"	"	
Chlorobenzene	<1.16	1.16	"	VNS	"	"	
Chloroform	<1.16	1.16	"	VNS	"	"	
Chloromethane	<2.31	2.31	"	VNS	"	"	
Dibromochloromethane	<5.78	5.78	"	VNS	"	"	
1,2-Dichlorobenzene	<1.16	1.16	"	VNS	"	"	
1,3-Dichlorobenzene	<2.31	2.31	"	VNS	"	"	
1,4-Dichlorobenzene	<1.16	1.16	"	VNS	"	"	
1,1-Dichloroethane	<2.31	2.31	"	VNS	"	"	
1,2-Dichloroethane	<1.16	1.16	"	VNS	"	"	
1,1-Dichloroethene	<1.16	1.16	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.16	1.16	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.16	1.16	"	VNS	"	"	
1,2-Dichloropropane	<2.31	2.31	"	VNS	"	"	
Ethylbenzene	<2.31	2.31	"	VNS	"	"	
Hexachlorobutadiene	<1.16	1.16	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.16	1.16	"	VNS	"	"	
Methylene Chloride	<11.6	11.6	"	VNS	"	"	
Methyl Ethyl Ketone	<2.31	2.31	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.78	5.78	"	VNS	"	"	
Naphthalene	<5.78	5.78	"	VNS	"	"	
n-Propylbenzene	<2.31	2.31	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.31	2.31	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.16	1.16	"	VNS	"	"	
Tetrachloroethene	<1.16	1.16	"	VNS	"	"	
Toluene	<1.16	1.16	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.16	1.16	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-3 (5-10 fbg)

1103051-20 (Soil)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Analytical Chemists Laboratory, LLC.							
VOA MS							
1,1,1-Trichloroethane	<1.16	1.16	ug/kg dry	VNS	03/08/11 07:33	SW 8260B	
1,1,2-Trichloroethane	<2.31	2.31	"	VNS	"	"	
Trichloroethene	<1.16	1.16	"	VNS	"	"	
1,2,4-Trimethylbenzene	**1.32**	1.16	"	VNS	"	"	B
1,3,5-Trimethylbenzene	<1.16	1.16	"	VNS	"	"	
Vinyl chloride	<5.78	5.78	"	VNS	"	"	
o-Xylene	<1.16	1.16	"	VNS	"	"	
m,p-Xylene	<2.31	2.31	"	VNS	"	"	
1,4-Dioxane	<57.8	57.8	"	VNS	"	"	

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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-4 (5-10 fbg)

1103051-21 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acetone	**53.7**	11.3	ug/kg dry	VNS	03/08/11 08:04	SW 8260B	
Acrylonitrile	<5.66	5.66	"	VNS	"	"	
Benzene	<1.13	1.13	"	VNS	"	"	
Bromodichloromethane	<5.66	5.66	"	VNS	"	"	
Bromoform	<1.13	1.13	"	VNS	"	"	
Bromomethane	<2.26	2.26	"	VNS	"	"	
sec-Butylbenzene	<1.13	1.13	"	VNS	"	"	
n-Butylbenzene	<1.13	1.13	"	VNS	"	"	
tert-Butylbenzene	<1.13	1.13	"	VNS	"	"	
Carbon Tetrachloride	<2.26	2.26	"	VNS	"	"	
Chlorobenzene	<1.13	1.13	"	VNS	"	"	
Chloroform	<1.13	1.13	"	VNS	"	"	
Chloromethane	<2.26	2.26	"	VNS	"	"	
Dibromochloromethane	<5.66	5.66	"	VNS	"	"	
1,2-Dichlorobenzene	<1.13	1.13	"	VNS	"	"	
1,3-Dichlorobenzene	<2.26	2.26	"	VNS	"	"	
1,4-Dichlorobenzene	<1.13	1.13	"	VNS	"	"	
1,1-Dichloroethane	<2.26	2.26	"	VNS	"	"	
1,2-Dichloroethane	<1.13	1.13	"	VNS	"	"	
1,1-Dichloroethene	<1.13	1.13	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.13	1.13	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.13	1.13	"	VNS	"	"	
1,2-Dichloropropane	<2.26	2.26	"	VNS	"	"	
Ethylbenzene	<2.26	2.26	"	VNS	"	"	
Hexachlorobutadiene	<1.13	1.13	"	VNS	"	"	
Methyl-tert-Butyl Ether	<1.13	1.13	"	VNS	"	"	
Methylene Chloride	**15.7**	11.3	"	VNS	"	"	
Methyl Ethyl Ketone	<2.26	2.26	"	VNS	"	"	
Methyl Isobutyl Ketone	<5.66	5.66	"	VNS	"	"	
Naphthalene	<5.66	5.66	"	VNS	"	"	
n-Propylbenzene	<2.26	2.26	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.26	2.26	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.13	1.13	"	VNS	"	"	
Tetrachloroethene	<1.13	1.13	"	VNS	"	"	
Toluene	<1.13	1.13	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.13	1.13	"	VNS	"	"	

Analytical Chemists Laboratory, LLC.

Joseph P. Shaulys

All results are based on the sample "As Received" by the laboratory and no endorsement of the sample integrity prior to sample receipt is implied or given unless collected by Analytical Chemists Laboratory employees. Report must be reproduced in its enti

ANALYTICAL CHEMISTS
Ac Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

SB-4 (5-10 fbg)

1103051-21 (Soil)

Analytical Chemists Laboratory, LLC.

VOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
1,1,1-Trichloroethane	<1.13	1.13	ug/kg dry	VNS	03/08/11 08:04	SW 8260B	
1,1,2-Trichloroethane	<2.26	2.26	"	VNS	"	"	
Trichloroethene	<1.13	1.13	"	VNS	"	"	
1,2,4-Trimethylbenzene	**1.46**	1.13	"	VNS	"	"	B
1,3,5-Trimethylbenzene	<1.13	1.13	"	VNS	"	"	
Vinyl chloride	<5.66	5.66	"	VNS	"	"	
o-Xylene	<1.13	1.13	"	VNS	"	"	
m,p-Xylene	<2.26	2.26	"	VNS	"	"	
1,4-Dioxane	<56.6	56.6	"	VNS	"	"	

Analytical Chemists Laboratory, LLC.

Joseph P. Shaulys

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ANALYTICAL CHEMISTS
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Tel: (631) 414-7685
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Impact Environmental	Project: W. Tremont	
170 Keyland Court	Project Number: 2166	**Reported:**
Bohemia NY, 11716	Project Manager: James Cressy	04/04/11 16:13

Notes and Definitions

QM-11	The recovery of spiked analytes in the LCS associated with the sample was above the QC limits. Reported results may be high biased.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
B	Analyte is found in the associated blank as well as in the sample.
SM	Standard Methods for the Examination of Water and Wastewater, 18th edition.
EPA	40 Code of Federal Regulations, Part 136, October 26, 1984.
SW	SW 846 3rd Edition.
LT	Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004.
dry	Sample results reported on a dry weight basis.

1107051

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

LAB NAME: Analytical Chemists

RECEIVED DATE: 3-4-11

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Steven Smith~~ James Cressey
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: ~~ssmith@impactenvironmental.com~~ JCressey@impactenvironmental.com

Project Information

Project Name: W. Tremont
Street: 60 W. 177th St., Bronx
City: Bronx **State:** NY **Zip:**
Project #: 2166
Sampler's Name: Christine Camardella
Sampler's Signature: Chris Camardella

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Impact Analytical Package A*	SVOC 8270 (Analyte List for NY Part 375 and NJ NRDCC)	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	Metals 6010 (Analyte List for NY Part 375 and NJ NRDCC)	Pest/PCB 8081 (Analyte List for NY Part 375 and NJ NRDCC)	Herbicides 8150 (Analyte List for NY Part 375 and NJ NRDCC)	(LAB USE ONLY)
	SB-1 (5-8 Fbg)		S	2-28-11	10:40	1							X				
	SB-2 (10-15 Fbg)		S	2-28-11	11:40	1							X				
	SB-3 (10-15 Fbg)		S	2-28-11	12:45	1							X				
	SB-4 (10-15 Fbg)		S	2-28-11	1:30	1							X				
	SB-5 (10-11.5 Fbg)		S	3-3-11	11:30	1							X				
	SB-6 (10-13 Fbg)		S	3-3-11	11:20	1							X				
	MW-1 (20 Fbg)		S	3-1-11	12:30	2						X	X	X	X		
	MW-2 (15-16 Fbg)		S	3-1-11	2:50	2						X	X	X	X		
	MW-3 (5-8.5 Fbg)		S	3-2-11	10:45	2						X	X	X	X		
	MW-4 (15-20 Fbg)		S	3-2-11	2:20	2						X	X	X	X		

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW - Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

Turnaround Time (Business Days)

- [x] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other
- [x] EDD Format

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFRENCES

*If other preservative, indicate type in the NOTES/COMMENTS section below.
**Package A (proprietary) - Priority Pollutants Metals, VOCs, SVOCs, PCB/Pest and Herbicides - to match all NJ RDCCC and NY Part 375 Target Analytes

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Chris Camardella	3/4/11	1	2	2	2
3	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
		3	3	4	4	4 C. Domenech
5	Relinquished by:	Date / Time:	Received By:	COOLER INFORMATION		
		5	5	Cooler Temp:_____	pH:_____	☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

2.3°C

Form SS-2/March 2009

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

LAB NAME: Analytical Chemists

RECEIVED DATE: 3-4-11

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Shawna Smith and~~ James Cressey
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: JCressey@impactenvironmental.com ssmith@impactenvironmental.com

Project Information

Project Name: W. Tremont
Street: 60 W. 177th St.
City: Bronx **State:** NY **Zip:**
Project #: 2166
Sampler's Name: Christine Camardella
Sampler's Signature: Chris Camardella

Analytical Information

Impact Analytical Package A*
SVOC 8270 (Analyte List for NY Part 375 and NJ NRDCC)
VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)
Metals 6010 (Analyte List for NY Part 375 and NJ NRDCC)
Pest/PCB 8081 (Analyte List for NY Part 375 and NJ NRDCC)
Herbicides 8150 (Analyte List for NY Part 375 and NJ NRDCC)

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Date	Time	Total # of bottles	Containers: NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	SVOC 8270	VOC 8260	Metals 6010	Pest/PCB 8081	Herbicides 8150	(LAB USE ONLY)
	MW-5 (15-20 fbg)		S	3-3-11	2:40	2					X	X	X	X		
	MW-6 (10-15, 5-10 fbg)		S	3-3-11	3:15	2					X	X	X	X		
	MW-1		GW	3-4-11	9:05	5			2		X	X	X	X		
	MW-2		GW	3-4-11	9:00	5			2		X	X	X	X		
	MW-3		GW	3-4-11	9:15	5			2		X	X	X	X		
	MW-4		GW	3-4-11	8:55	5			2		X	X	X	X		
	MW-5		GW	3-4-11	1:10	5			2		X	X	X	X		
	SB-1 (0-5fbg)		S	2-28-11	10:35	1						X				
	SB-2 (5-10fbg)		S	2-28-11	11:35	1						X				
	SB-3 (5-10fbg)		S	2/28/11	11:55	1						X				
	SB-4 (5-10fbg)		S	2/28/11	13:20	1						X				

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [x] EDD Format _____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFRENCES

*If other preservative, indicate type in the NOTES/COMMENTS section below
**Package A (proprietary) - Priority Pollutants Metals, VOCs, SVOCs, PCB/Pest and Herbicides - to match all NJ RDCCC and NY Part 375 Target Analytes

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

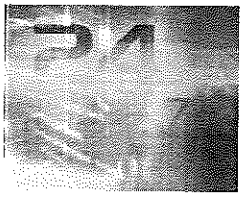
	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Chris Camardella	3/4/11	1	2	2	2
3	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
		3	3	4	4	4 C. Domurat 2.3°C
5	Relinquished by:	Date / Time:	Received By:	COOLER INFORMATION		
		5	5	Cooler Temp:_____	pH:_____	☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Impact Environmental
Remedial Investigation Report
BCP # 12CBCPO16X

Appendix H:
Laboratory Data Deliverables for Soil Vapor Analytical Data

New Jersey
ACCUTEST
LABORATORIES

03/30/11



Technical Report for

Impact Environmental

West Tremont, 60 177th Street, Bronx, NY

2166

Accutest Job Number: JA69920

Sampling Date: 03/04/11

Report to:

Impact Environmental
170 Keyland Court
Bohemia, NY 11716

ATTN: James Cressey

Total number of pages in report: 83

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Impact Environmental

Job No: JA69920

West Tremont, 60 177th Street, Bronx, NY
Project No: 2166

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JA69920-1	03/04/11	12:40	CC	03/08/11	AIR	Air	SG-1
JA69920-2	03/04/11	12:38	CC	03/08/11	AIR	Air	SG-2
JA69920-3	03/04/11	12:50	CC	03/08/11	AIR	Air	SG-3
JA69920-4	03/04/11	12:45	CC	03/08/11	AIR	Air	SG-4
JA69920-5	03/04/11	12:42	CC	03/08/11	AIR	Air	SG-5
JA69920-6	03/04/11	12:36	CC	03/08/11	AIR	Air	SG-6
JA69920-7	03/04/11	12:34	CC	03/08/11	AIR	Air	SG-7
JA69920-8	03/04/11	12:32	CC	03/08/11	AIR	Air	SG-8

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-1		
Lab Sample ID:	JA69920-1	**Date Sampled:**	03/04/11
Matrix:	AIR - Air Summa ID: A461	**Date Received:**	03/08/11
Method:	TO-15	**Percent Solids:**	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W30313.D	1	03/16/11	YMH	n/a	n/a	V2W1275
Run #2	2W30340.D	1	03/17/11	YMH	n/a	n/a	V2W1276

	Initial Volume
Run #1	100 ml
Run #2	20.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	338 [a]	4.0	1.2	ppbv		803 [a]	9.5	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.11	ppbv		ND	1.8	ug/m3
71-43-2	78.11	Benzene	ND	0.80	0.20	ppbv		ND	2.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.10	ppbv		ND	5.4	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.098	ppbv		ND	8.3	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.10	ppbv		ND	3.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.13	ppbv		ND	3.5	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.14	ppbv		ND	4.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.12	ppbv		ND	2.5	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.12	ppbv		ND	3.7	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.20	ppbv		ND	2.1	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.10	ppbv		ND	3.9	ug/m3
74-87-3	50.49	Chloromethane	1.1	0.80	0.21	ppbv		2.3	1.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.14	ppbv		ND	2.5	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.091	ppbv		ND	5.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.17	ppbv		ND	2.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.098	ppbv		ND	3.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.095	ppbv		ND	3.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.12	ppbv		ND	6.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.094	ppbv		ND	3.2	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.22	ppbv		ND	3.7	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.16	ppbv		ND	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.48	0.80	0.29	ppbv	J	2.4	4.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.33	ppbv		ND	6.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.14	ppbv		ND	3.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.087	ppbv		ND	3.6	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.10	ppbv		ND	4.8	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.13	ppbv		ND	4.8	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.31	ppbv		ND	3.6	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-1		
Lab Sample ID:	JA69920-1	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A461	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	13.3	2.0	0.68	ppbv		25.1	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	0.51	0.80	0.11	ppbv	J	2.2	3.5	ug/m3
141-78-6	88	Ethyl Acetate	22.8	0.80	0.31	ppbv		82.1	2.9	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.096	ppbv		ND	3.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.10	ppbv		ND	6.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.12	ppbv		ND	5.6	ug/m3
142-82-5	100.2	Heptane	0.46	0.80	0.094	ppbv	J	1.9	3.3	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.24	ppbv		ND	8.5	ug/m3
110-54-3	86.17	Hexane	1.9	0.80	0.087	ppbv		6.7	2.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	2.4	0.80	0.22	ppbv		5.9	2.0	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.80	0.11	ppbv		ND	2.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.80	0.12	ppbv		ND	2.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.15	ppbv		ND	3.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.17	ppbv		ND	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.13	ppbv		ND	3.3	ug/m3
115-07-1	42	Propylene	10.1	2.0	0.38	ppbv		17.3	3.4	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.11	ppbv		ND	3.4	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	0.41	0.80	0.097	ppbv	J	2.2	4.4	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.10	ppbv		ND	5.5	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.096	ppbv		ND	4.4	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.46	ppbv		ND	5.9	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.083	ppbv		ND	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.16	ppbv		ND	2.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.16	ppbv		ND	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.23	ppbv		ND	2.4	ug/m3
108-88-3	92.14	Toluene	10.1	0.80	0.10	ppbv		38.1	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.097	ppbv		ND	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.80	0.13	ppbv		ND	4.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.12	ppbv		ND	2.0	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.53	ppbv		ND	2.8	ug/m3
	106.2	m,p-Xylene	1.6	0.80	0.24	ppbv		6.9	3.5	ug/m3
95-47-6	106.2	o-Xylene	0.34	0.80	0.10	ppbv	J	1.5	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	1.9	0.80	0.10	ppbv		8.3	3.5	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	120%	104%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-1		
Lab Sample ID:	JA69920-1	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A461	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-2		
Lab Sample ID:	JA69920-2	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A322	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W30314.D	1	03/16/11	YMH	n/a	n/a	V2W1275
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	23.0	0.80	0.25	ppbv		54.6	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.11	ppbv		ND	1.8	ug/m3
71-43-2	78.11	Benzene	0.44	0.80	0.20	ppbv	J	1.4	2.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.10	ppbv		ND	5.4	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.098	ppbv		ND	8.3	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.10	ppbv		ND	3.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.13	ppbv		ND	3.5	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.14	ppbv		ND	4.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.12	ppbv		ND	2.5	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.12	ppbv		ND	3.7	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.20	ppbv		ND	2.1	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.10	ppbv		ND	3.9	ug/m3
74-87-3	50.49	Chloromethane	0.65	0.80	0.21	ppbv	J	1.3	1.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.14	ppbv		ND	2.5	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.091	ppbv		ND	5.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.17	ppbv		ND	2.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.098	ppbv		ND	3.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.095	ppbv		ND	3.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.12	ppbv		ND	6.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.094	ppbv		ND	3.2	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.22	ppbv		ND	3.7	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.16	ppbv		ND	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.54	0.80	0.29	ppbv	J	2.7	4.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.33	ppbv		ND	6.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.14	ppbv		ND	3.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.087	ppbv		ND	3.6	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.10	ppbv		ND	4.8	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.13	ppbv		ND	4.8	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.31	ppbv		ND	3.6	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-2		
Lab Sample ID:	JA69920-2	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A322	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	5.8	2.0	0.68	ppbv		11	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.11	ppbv		ND	3.5	ug/m3
141-78-6	88	Ethyl Acetate	41.6	0.80	0.31	ppbv		150	2.9	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.096	ppbv		ND	3.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.10	ppbv		ND	6.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.12	ppbv		ND	5.6	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.094	ppbv		ND	3.3	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.24	ppbv		ND	8.5	ug/m3
110-54-3	86.17	Hexane	1.3	0.80	0.087	ppbv		4.6	2.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.22	ppbv		ND	2.0	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.80	0.11	ppbv		ND	2.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.80	0.12	ppbv		ND	2.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.15	ppbv		ND	3.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.17	ppbv		ND	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.13	ppbv		ND	3.3	ug/m3
115-07-1	42	Propylene	ND	2.0	0.38	ppbv		ND	3.4	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.11	ppbv		ND	3.4	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	1.9	0.80	0.097	ppbv		10	4.4	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.10	ppbv		ND	5.5	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.096	ppbv		ND	4.4	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.46	ppbv		ND	5.9	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.083	ppbv		ND	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.16	ppbv		ND	2.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.18	0.16	0.16	ppbv		1.2	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.23	ppbv		ND	2.4	ug/m3
108-88-3	92.14	Toluene	2.3	0.80	0.10	ppbv		8.7	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	0.17	0.16	0.097	ppbv		0.91	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.40	0.80	0.13	ppbv	J	2.2	4.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.12	ppbv		ND	2.0	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.53	ppbv		ND	2.8	ug/m3
	106.2	m,p-Xylene	ND	0.80	0.24	ppbv		ND	3.5	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.10	ppbv		ND	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.80	0.10	ppbv		ND	3.5	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	104%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-3		
Lab Sample ID:	JA69920-3	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A737	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W30315.D	1	03/16/11	YMH	n/a	n/a	V2W1275
Run #2	2W30341.D	1	03/17/11	YMH	n/a	n/a	V2W1276

	Initial Volume
Run #1	100 ml
Run #2	40.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	243 [a]	2.0	0.61	ppbv		577 [a]	4.8	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.11	ppbv		ND	1.8	ug/m3
71-43-2	78.11	Benzene	0.46	0.80	0.20	ppbv	J	1.5	2.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.10	ppbv		ND	5.4	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.098	ppbv		ND	8.3	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.10	ppbv		ND	3.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.13	ppbv		ND	3.5	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.14	ppbv		ND	4.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.12	ppbv		ND	2.5	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.12	ppbv		ND	3.7	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.20	ppbv		ND	2.1	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.10	ppbv		ND	3.9	ug/m3
74-87-3	50.49	Chloromethane	0.80	0.80	0.21	ppbv		1.7	1.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.14	ppbv		ND	2.5	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.091	ppbv		ND	5.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.17	ppbv		ND	2.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.098	ppbv		ND	3.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.095	ppbv		ND	3.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.12	ppbv		ND	6.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.094	ppbv		ND	3.2	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.22	ppbv		ND	3.7	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.16	ppbv		ND	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.49	0.80	0.29	ppbv	J	2.4	4.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.33	ppbv		ND	6.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.14	ppbv		ND	3.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.087	ppbv		ND	3.6	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.10	ppbv		ND	4.8	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.13	ppbv		ND	4.8	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.31	ppbv		ND	3.6	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-3		
Lab Sample ID:	JA69920-3	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A737	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	9.2	2.0	0.68	ppbv		17	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.11	ppbv		ND	3.5	ug/m3
141-78-6	88	Ethyl Acetate	21.5	0.80	0.31	ppbv		77.4	2.9	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.096	ppbv		ND	3.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.10	ppbv		ND	6.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.12	ppbv		ND	5.6	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.094	ppbv		ND	3.3	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.24	ppbv		ND	8.5	ug/m3
110-54-3	86.17	Hexane	0.82	0.80	0.087	ppbv		2.9	2.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.22	ppbv		ND	2.0	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.80	0.11	ppbv		ND	2.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.80	0.12	ppbv		ND	2.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.15	ppbv		ND	3.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.17	ppbv		ND	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.13	ppbv		ND	3.3	ug/m3
115-07-1	42	Propylene	5.6	2.0	0.38	ppbv		9.6	3.4	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.11	ppbv		ND	3.4	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.097	ppbv		ND	4.4	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.10	ppbv		ND	5.5	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.096	ppbv		ND	4.4	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.46	ppbv		ND	5.9	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.083	ppbv		ND	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.16	ppbv		ND	2.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.16	ppbv		ND	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.23	ppbv		ND	2.4	ug/m3
108-88-3	92.14	Toluene	1.5	0.80	0.10	ppbv		5.7	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.097	ppbv		ND	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.80	0.13	ppbv		ND	4.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.12	ppbv		ND	2.0	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.53	ppbv		ND	2.8	ug/m3
	106.2	m,p-Xylene	0.52	0.80	0.24	ppbv	J	2.3	3.5	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.10	ppbv		ND	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	0.52	0.80	0.10	ppbv	J	2.3	3.5	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	107%	102%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-3		
Lab Sample ID:	JA69920-3	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A737	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-4		
Lab Sample ID:	JA69920-4	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A892	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W30316.D	1	03/16/11	YMH	n/a	n/a	V2W1275
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	43.8	0.80	0.25	ppbv		104	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.11	ppbv		ND	1.8	ug/m3
71-43-2	78.11	Benzene	0.49	0.80	0.20	ppbv	J	1.6	2.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.10	ppbv		ND	5.4	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.098	ppbv		ND	8.3	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.10	ppbv		ND	3.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.13	ppbv		ND	3.5	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.14	ppbv		ND	4.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.12	ppbv		ND	2.5	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.12	ppbv		ND	3.7	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.20	ppbv		ND	2.1	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.10	ppbv		ND	3.9	ug/m3
74-87-3	50.49	Chloromethane	0.71	0.80	0.21	ppbv	J	1.5	1.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.14	ppbv		ND	2.5	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.091	ppbv		ND	5.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.17	ppbv		ND	2.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.098	ppbv		ND	3.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.095	ppbv		ND	3.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.12	ppbv		ND	6.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.094	ppbv		ND	3.2	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.22	ppbv		ND	3.7	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.16	ppbv		ND	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.80	0.29	ppbv	J	2.5	4.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.33	ppbv		ND	6.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.14	ppbv		ND	3.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.087	ppbv		ND	3.6	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.10	ppbv		ND	4.8	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.13	ppbv		ND	4.8	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.31	ppbv		ND	3.6	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-4		
Lab Sample ID:	JA69920-4	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A892	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	7.3	2.0	0.68	ppbv		14	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.11	ppbv		ND	3.5	ug/m3
141-78-6	88	Ethyl Acetate	15.0	0.80	0.31	ppbv		54.0	2.9	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.096	ppbv		ND	3.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.10	ppbv		ND	6.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.12	ppbv		ND	5.6	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.094	ppbv		ND	3.3	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.24	ppbv		ND	8.5	ug/m3
110-54-3	86.17	Hexane	0.46	0.80	0.087	ppbv	J	1.6	2.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.22	ppbv		ND	2.0	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.80	0.11	ppbv		ND	2.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.80	0.12	ppbv		ND	2.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.15	ppbv		ND	3.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.17	ppbv		ND	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.13	ppbv		ND	3.3	ug/m3
115-07-1	42	Propylene	3.7	2.0	0.38	ppbv		6.4	3.4	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.11	ppbv		ND	3.4	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.097	ppbv		ND	4.4	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.10	ppbv		ND	5.5	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.096	ppbv		ND	4.4	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.46	ppbv		ND	5.9	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.083	ppbv		ND	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.16	ppbv		ND	2.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.16	ppbv		ND	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.23	ppbv		ND	2.4	ug/m3
108-88-3	92.14	Toluene	1.1	0.80	0.10	ppbv		4.1	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.097	ppbv		ND	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.80	0.13	ppbv		ND	4.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.12	ppbv		ND	2.0	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.53	ppbv		ND	2.8	ug/m3
	106.2	m,p-Xylene	0.42	0.80	0.24	ppbv	J	1.8	3.5	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.10	ppbv		ND	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	0.42	0.80	0.10	ppbv	J	1.8	3.5	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-5		
Lab Sample ID:	JA69920-5	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A215	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W30317.D	1	03/16/11	YMH	n/a	n/a	V2W1275
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	22.6	0.80	0.25	ppbv		53.7	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.11	ppbv		ND	1.8	ug/m3
71-43-2	78.11	Benzene	ND	0.80	0.20	ppbv		ND	2.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.10	ppbv		ND	5.4	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.098	ppbv		ND	8.3	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.10	ppbv		ND	3.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.13	ppbv		ND	3.5	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.14	ppbv		ND	4.1	ug/m3
75-15-0	76.14	Carbon disulfide	1.3	0.80	0.12	ppbv		4.0	2.5	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.12	ppbv		ND	3.7	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.20	ppbv		ND	2.1	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.10	ppbv		ND	3.9	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	0.21	ppbv		ND	1.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.14	ppbv		ND	2.5	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.091	ppbv		ND	5.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.17	ppbv		ND	2.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.098	ppbv		ND	3.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.095	ppbv		ND	3.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.12	ppbv		ND	6.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.094	ppbv		ND	3.2	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.22	ppbv		ND	3.7	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.16	ppbv		ND	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	0.80	0.29	ppbv	J	2.5	4.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.33	ppbv		ND	6.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.14	ppbv		ND	3.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.087	ppbv		ND	3.6	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.10	ppbv		ND	4.8	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.13	ppbv		ND	4.8	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.31	ppbv		ND	3.6	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-5		
Lab Sample ID:	JA69920-5	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A215	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	2.0	0.68	ppbv		ND	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.11	ppbv		ND	3.5	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.31	ppbv		ND	2.9	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.096	ppbv		ND	3.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.10	ppbv		ND	6.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.12	ppbv		ND	5.6	ug/m3
142-82-5	100.2	Heptane	0.38	0.80	0.094	ppbv	J	1.6	3.3	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.24	ppbv		ND	8.5	ug/m3
110-54-3	86.17	Hexane	2.6	0.80	0.087	ppbv		9.2	2.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.22	ppbv		ND	2.0	ug/m3
75-09-2	84.94	Methylene chloride	0.75	0.80	0.11	ppbv	J	2.6	2.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.80	0.12	ppbv		ND	2.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.15	ppbv		ND	3.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.17	ppbv		ND	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.13	ppbv		ND	3.3	ug/m3
115-07-1	42	Propylene	ND	2.0	0.38	ppbv		ND	3.4	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.11	ppbv		ND	3.4	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.097	ppbv		ND	4.4	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.10	ppbv		ND	5.5	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.096	ppbv		ND	4.4	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.46	ppbv		ND	5.9	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.42	0.80	0.11	ppbv	J	2.1	3.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.083	ppbv		ND	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.16	ppbv		ND	2.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	27.6	0.16	0.16	ppbv		187	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.23	ppbv		ND	2.4	ug/m3
108-88-3	92.14	Toluene	4.5	0.80	0.10	ppbv		17	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.097	ppbv		ND	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.42	0.80	0.13	ppbv	J	2.4	4.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.12	ppbv		ND	2.0	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.53	ppbv		ND	2.8	ug/m3
	106.2	m,p-Xylene	0.72	0.80	0.24	ppbv	J	3.1	3.5	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.10	ppbv		ND	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	0.72	0.80	0.10	ppbv	J	3.1	3.5	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	110%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-6		
Lab Sample ID:	JA69920-6	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A898	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W30318.D	1	03/16/11	YMH	n/a	n/a	V2W1275
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	6.1	0.80	0.25	ppbv		14	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.11	ppbv		ND	1.8	ug/m3
71-43-2	78.11	Benzene	0.41	0.80	0.20	ppbv	J	1.3	2.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.10	ppbv		ND	5.4	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.098	ppbv		ND	8.3	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.10	ppbv		ND	3.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.13	ppbv		ND	3.5	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.14	ppbv		ND	4.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.12	ppbv		ND	2.5	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.12	ppbv		ND	3.7	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.20	ppbv		ND	2.1	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.10	ppbv		ND	3.9	ug/m3
74-87-3	50.49	Chloromethane	0.70	0.80	0.21	ppbv	J	1.4	1.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.14	ppbv		ND	2.5	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.091	ppbv		ND	5.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.17	ppbv		ND	2.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.098	ppbv		ND	3.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.095	ppbv		ND	3.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.12	ppbv		ND	6.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.094	ppbv		ND	3.2	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.22	ppbv		ND	3.7	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.16	ppbv		ND	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	0.80	0.29	ppbv	J	2.5	4.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.33	ppbv		ND	6.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.14	ppbv		ND	3.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.087	ppbv		ND	3.6	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.10	ppbv		ND	4.8	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.13	ppbv		ND	4.8	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.31	ppbv		ND	3.6	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-6		
Lab Sample ID:	JA69920-6	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A898	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	6.6	2.0	0.68	ppbv		12	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.11	ppbv		ND	3.5	ug/m3
141-78-6	88	Ethyl Acetate	23.9	0.80	0.31	ppbv		86.0	2.9	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.096	ppbv		ND	3.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.10	ppbv		ND	6.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.12	ppbv		ND	5.6	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.094	ppbv		ND	3.3	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.24	ppbv		ND	8.5	ug/m3
110-54-3	86.17	Hexane	0.56	0.80	0.087	ppbv	J	2.0	2.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.22	ppbv		ND	2.0	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.80	0.11	ppbv		ND	2.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.80	0.12	ppbv		ND	2.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.15	ppbv		ND	3.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.17	ppbv		ND	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.13	ppbv		ND	3.3	ug/m3
115-07-1	42	Propylene	5.3	2.0	0.38	ppbv		9.1	3.4	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.11	ppbv		ND	3.4	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.097	ppbv		ND	4.4	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.10	ppbv		ND	5.5	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.096	ppbv		ND	4.4	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.46	ppbv		ND	5.9	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.083	ppbv		ND	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.16	ppbv		ND	2.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.16	ppbv		ND	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.23	ppbv		ND	2.4	ug/m3
108-88-3	92.14	Toluene	1.3	0.80	0.10	ppbv		4.9	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.097	ppbv		ND	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.80	0.13	ppbv		ND	4.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.12	ppbv		ND	2.0	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.53	ppbv		ND	2.8	ug/m3
	106.2	m,p-Xylene	ND	0.80	0.24	ppbv		ND	3.5	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.10	ppbv		ND	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.80	0.10	ppbv		ND	3.5	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	109%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-7		
Lab Sample ID:	JA69920-7	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A651	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W30342.D	1	03/17/11	YMH	n/a	n/a	V2W1276
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.7	0.80	0.25	ppbv		6.4	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.11	ppbv		ND	1.8	ug/m3
71-43-2	78.11	Benzene	0.54	0.80	0.20	ppbv	J	1.7	2.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.10	ppbv		ND	5.4	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.098	ppbv		ND	8.3	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.10	ppbv		ND	3.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.13	ppbv		ND	3.5	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.14	ppbv		ND	4.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.12	ppbv		ND	2.5	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.12	ppbv		ND	3.7	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.20	ppbv		ND	2.1	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.10	ppbv		ND	3.9	ug/m3
74-87-3	50.49	Chloromethane	0.79	0.80	0.21	ppbv	J	1.6	1.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.14	ppbv		ND	2.5	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.091	ppbv		ND	5.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.17	ppbv		ND	2.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.098	ppbv		ND	3.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.095	ppbv		ND	3.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.12	ppbv		ND	6.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.094	ppbv		ND	3.2	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.22	ppbv		ND	3.7	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.16	ppbv		ND	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.58	0.80	0.29	ppbv	J	2.9	4.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.33	ppbv		ND	6.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.14	ppbv		ND	3.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.087	ppbv		ND	3.6	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.10	ppbv		ND	4.8	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.13	ppbv		ND	4.8	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.31	ppbv		ND	3.6	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-7		
Lab Sample ID:	JA69920-7	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A651	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	7.0	2.0	0.68	ppbv		13	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.11	ppbv		ND	3.5	ug/m3
141-78-6	88	Ethyl Acetate	38.7	0.80	0.31	ppbv		139	2.9	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.096	ppbv		ND	3.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.10	ppbv		ND	6.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.12	ppbv		ND	5.6	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.094	ppbv		ND	3.3	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.24	ppbv		ND	8.5	ug/m3
110-54-3	86.17	Hexane	0.65	0.80	0.087	ppbv	J	2.3	2.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.22	ppbv		ND	2.0	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.80	0.11	ppbv		ND	2.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.80	0.12	ppbv		ND	2.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.15	ppbv		ND	3.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.17	ppbv		ND	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.13	ppbv		ND	3.3	ug/m3
115-07-1	42	Propylene	2.0	2.0	0.38	ppbv		3.4	3.4	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.11	ppbv		ND	3.4	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.097	ppbv		ND	4.4	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.10	ppbv		ND	5.5	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.096	ppbv		ND	4.4	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.46	ppbv		ND	5.9	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.083	ppbv		ND	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.16	ppbv		ND	2.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.16	ppbv		ND	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.23	ppbv		ND	2.4	ug/m3
108-88-3	92.14	Toluene	1.7	0.80	0.10	ppbv		6.4	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.097	ppbv		ND	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.80	0.13	ppbv		ND	4.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.12	ppbv		ND	2.0	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.53	ppbv		ND	2.8	ug/m3
	106.2	m,p-Xylene	0.44	0.80	0.24	ppbv	J	1.9	3.5	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.10	ppbv		ND	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	0.44	0.80	0.10	ppbv	J	1.9	3.5	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-8		
Lab Sample ID:	JA69920-8	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A336	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2W30320.D	1	03/16/11	YMH	n/a	n/a	V2W1275
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	2.3	0.80	0.25	ppbv		5.5	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.11	ppbv		ND	1.8	ug/m3
71-43-2	78.11	Benzene	0.48	0.80	0.20	ppbv	J	1.5	2.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.10	ppbv		ND	5.4	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.098	ppbv		ND	8.3	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.10	ppbv		ND	3.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.13	ppbv		ND	3.5	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.14	ppbv		ND	4.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.12	ppbv		ND	2.5	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.12	ppbv		ND	3.7	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.20	ppbv		ND	2.1	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.10	ppbv		ND	3.9	ug/m3
74-87-3	50.49	Chloromethane	0.76	0.80	0.21	ppbv	J	1.6	1.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.14	ppbv		ND	2.5	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.13	ppbv		ND	4.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.091	ppbv		ND	5.0	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.17	ppbv		ND	2.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.098	ppbv		ND	3.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.095	ppbv		ND	3.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.12	ppbv		ND	6.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.094	ppbv		ND	3.2	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.22	ppbv		ND	3.7	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.16	ppbv		ND	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.57	0.80	0.29	ppbv	J	2.8	4.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.33	ppbv		ND	6.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.14	ppbv		ND	3.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.087	ppbv		ND	3.6	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.10	ppbv		ND	4.8	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.13	ppbv		ND	4.8	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.31	ppbv		ND	3.6	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SG-8		
Lab Sample ID:	JA69920-8	Date Sampled:	03/04/11
Matrix:	AIR - Air Summa ID: A336	Date Received:	03/08/11
Method:	TO-15	Percent Solids:	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	ND	2.0	0.68	ppbv		ND	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.11	ppbv		ND	3.5	ug/m3
141-78-6	88	Ethyl Acetate	38.3	0.80	0.31	ppbv		138	2.9	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.096	ppbv		ND	3.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.10	ppbv		ND	6.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.12	ppbv		ND	5.6	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.094	ppbv		ND	3.3	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.24	ppbv		ND	8.5	ug/m3
110-54-3	86.17	Hexane	0.72	0.80	0.087	ppbv	J	2.5	2.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.22	ppbv		ND	2.0	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.80	0.11	ppbv		ND	2.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.80	0.12	ppbv		ND	2.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.15	ppbv		ND	3.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.17	ppbv		ND	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.13	ppbv		ND	3.3	ug/m3
115-07-1	42	Propylene	2.2	2.0	0.38	ppbv		3.8	3.4	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.11	ppbv		ND	3.4	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.097	ppbv		ND	4.4	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.10	ppbv		ND	5.5	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.096	ppbv		ND	4.4	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.46	ppbv		ND	5.9	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.083	ppbv		ND	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.16	ppbv		ND	2.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.16	ppbv		ND	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.23	ppbv		ND	2.4	ug/m3
108-88-3	92.14	Toluene	1.4	0.80	0.10	ppbv		5.3	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.097	ppbv		ND	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.80	0.13	ppbv		ND	4.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.12	ppbv		ND	2.0	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.53	ppbv		ND	2.8	ug/m3
	106.2	m,p-Xylene	0.44	0.80	0.24	ppbv	J	1.9	3.5	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.10	ppbv		ND	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	0.44	0.80	0.10	ppbv	J	1.9	3.5	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	103%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log

ACCUTEST laboratories
www.accutest.com

AIR

CHAIN OF CUSTODY
Air Sampling Field Data Sheet

2235 US Highway 130, Dayton, NJ 08810
Tel: 732.329.0200 Fax: 732.329.3499

FED-EX Tracking #: | Bottle Order Control #: MV-2/25/2011-19 | PAGE 1 OF 1
Lab Quote #: | Lab Job #: JA69920+A

Client / Reporting Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia State: NY Zip: 11716
Project Contact: James Cressey E-mail: jcressey@impactenvironmental.com
Phone #: 631-269-8800 Fax #: 631-269-1599
Sampler(s) Name(s): Christine Camardella

Project Name: W. Tremont
Street: 60 177th St
City: Bronx State: NY
Project #: 2166
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: 28°F Maximum:
Stop: 34°F Minimum:
Atmospheric Pressure (inches of Hg)
Start: Maximum:
Stop: Minimum:
Other weather comment:

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24 hr clock)	Canister Press.re ("Hg)	Interior Temp (F)	Sampler Init.	TO15
-1	SG-1	A461	1433	6L	04860	3-4-11	8:40	30		CC	3-4-11	12:40	0		CC	X
-2	SG-2	A322	5183	6L	04870	3-4-11	8:38	30		CC	3-4-11	12:38	0		CC	X
-3	SG-3	A737	7476	6L	04886	3-4-11	8:37	30		CC	3-4-11	12:50	0		CC	X
-4	SG-4	A892	8009	6L	04871	3-4-11	8:36	30		CC	3-4-11	12:45	0		CC	X
-5	SG-5	A215	3811	6L	04859	3-4-11	8:35	30		CC	3-4-11	12:42	0		CC	X
-6	SG-6	A898	8012	6L	04869	3-4-11	8:34	30		CC	3-4-11	12:36	0		CC	X
-7	SG-7	A651	6538	6L	04867	3-4-11	8:33	30		CC	3-4-11	12:34	0		CC	X
-8	SG-8	A336	5219	6L	04858	3-4-11	8:32	30		CC	3-4-11	12:32	0		CC	X

Turnaround Time (Business Days)

Standard - 15 Days	X
10 Day	
5 Day	
3 Day	
2 Day	
1 Day	
Other	

Approved By: Date:

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1

Comm A	
Comm B	✓
Reduced T2	
Full T1	
Other:	

per Christine Camardella

Comments / Remarks

Summa

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
1 Ray Mangino	2/25/11	1 Fed Ex	2 Fed Ex		2
3 C Camardella	3/8/11	3 Chris Lord	4 Chris Lord	3/8/11 1830	4 M Adams
5		5	Custody Seal #		

D16

Job# JA69920
(REQUIRED)

Unused Summa Return Form

Client Impact Office NY
Project W. Tremont

#Summas 9 #Flow Controllers 8

Summa#'s	FC#s	
	FC353	FC413
	FC162	FC140
	FC230	FC400
	FC368	FC271

Rec'd By [signature] Rec'd Date/Time 3/8/11 1830

Rec'd via COURIER Chris
(Attach any client paperwork, documentation, or airbills if available)

Notes

ACCUTEST LABORATORIES

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA69920 Client: Immediate Client Services Action Required: No

Date / Time Received: 3/8/2011 Delivery Method: Client Service Action Required at Login: No

Project: No. Coolers: 0 Airbill #'s:

Cooler Security	Y or N		Y or N
1. Custody Seals Present:	☑ ☐	3. COC Present:	☑ ☐
2. Custody Seals Intact:	☑ ☐	4. Smpl Dates/Time OK	☑ ☐

Cooler Temperature	Y or N
1. Temp criteria achieved:	☑ ☐
2. Cooler temp verification:	Infared gun
3. Cooler media:	Ice (bag)

Quality Control Preservatio	Y or N	N/A
1. Trip Blank present / cooler:	☐ ☐	☑
2. Trip Blank listed on COC:	☐ ☐	☑
3. Samples preserved properly:	☑ ☐	
4. VOCs headspace free:	☐ ☐	☑

Sample Integrity - Documentation	Y or N
1. Sample labels present on bottles:	☑ ☐
2. Container labeling complete:	☑ ☐
3. Sample container label / COC agree:	☑ ☐

Sample Integrity - Condition	Y or N
1. Sample recvd within HT:	☑ ☐
2. All containers accounted for:	☑ ☐
3. Condition of sample:	Intact

Sample Integrity - Instructions	Y or N	N/A
1. Analysis requested is clear:	☑ ☐	
2. Bottles received for unspecified tests	☐ ☑	
3. Sufficient volume recvd for analysis:	☑ ☐	
4. Compositing instructions clear:	☐ ☐	☑
5. Filtering instructions clear:	☐ ☐	☑

Comments

Accutest Laboratories
V:732.329.0200
2235 US Highway 130
F: 732.329.3499
Dayton, New Jersey
www/accutest.com

JA69920: Chain of Custody
Page 3 of 3

Summa Canister and Flow Controller Log

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY
Received: 03/08/11

SUMMA CANISTERS

Shipping Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Receiving Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A461	6	29.4	02/25/11	TVW	CP4595	W30386.D	JA69920-1	03/09/11	TVW		.5		1
A322	6	29.4	02/25/11	TVW	CP4595	W30386.D	JA69920-2	03/09/11	TVW		.5		1
A737	6	29.4	02/25/11	TVW	CP4595	W30386.D	JA69920-3	03/09/11	TVW		.5		1
A892	6	29.4	02/25/11	TVW	CP4595	W30386.D	JA69920-4	03/09/11	TVW		1		1
A215	6	29.4	02/28/11	TVW	CP4603	W30415.D	JA69920-5	03/09/11	TVW	3			1
A898	6	29.4	02/28/11	TVW	CP4604	3W21013.D	JA69920-6	03/09/11	TVW		.5		1
A651	6	29.4	02/28/11	TVW	CP4604	3W21013.D	JA69920-7	03/09/11	TVW		.5		1
A336	6	29.4	02/28/11	TVW	CP4603	W30415.D	JA69920-8	03/09/11	TVW		1		1

FLOW CONTROLLERS

Shipping Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Receiving Date In	By	cc/ min
FC140	02/25/11	TVW	3.4	24	03/09/11	TVW	3.6
FC162	02/28/11	TVW	3.4	24	03/09/11	TVW	3.8
FC230	02/28/11	TVW	3.4	24	03/09/11	TVW	3.8
FC271	02/25/11	TVW	3.4	24	03/09/11	TVW	3.9
FC353	02/28/11	TVW	3.4	24	03/09/11	TVW	3.6
FC368	02/28/11	TVW	3.4	24	03/09/11	TVW	3.7
FC400	02/25/11	TVW	3.4	24	03/09/11	TVW	3.8
FC413	02/25/11	TVW	3.4	24	03/09/11	TVW	3.6
FC483	03/02/11	TVW	20.5	4	03/09/11	TVW	21.8
FC484	03/02/11	TVW	20.5	4	03/09/11	TVW	22
FC485	03/02/11	TVW	20.5	4	03/09/11	TVW	21.6
FC491	03/02/11	TVW	20.5	4	03/09/11	TVW	22
FC492	03/02/11	TVW	20.5	4	03/09/11	TVW	21.5
FC494	03/02/11	TVW	20.5	4	03/09/11	TVW	22
FC495	03/02/11	TVW	20.5	4	03/09/11	TVW	21
FC496	03/02/11	TVW	20.5	4	03/09/11	TVW	21.2

Accutest Bottle Order(s):
MV-2/25/2011-19
MV-2/25/2011-20
MV-3/1/2011-6

Prep Date	Room Temp(F)	Bar Pres "Hg
02/25/11	67.1	29.23
02/28/11	64.4	29.44

New Jersey ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1275-MB	2W30301.D	1	03/16/11	YMH	n/a	n/a	V2W1275

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-2, JA69920-3, JA69920-4, JA69920-5, JA69920-6, JA69920-8

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.061	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.028	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.049	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.025	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.026	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.032	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.034	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.029	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.031	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.050	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.053	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.032	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.023	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.042	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.025	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.024	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.024	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.054	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.040	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.073	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.082	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.031	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.022	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.079	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.17	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.077	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1275-MB	2W30301.D	1	03/16/11	YMH	n/a	n/a	V2W1275

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-2, JA69920-3, JA69920-4, JA69920-5, JA69920-6, JA69920-8

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.026	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.029	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.024	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.060	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.022	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.055	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.030	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.037	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.043	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.034	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.096	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.025	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.039	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.057	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.025	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.024	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.029	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.13	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.059	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.026	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.026	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1275-MB	2W30301.D	1	03/16/11	YMH	n/a	n/a	V2W1275

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-2, JA69920-3, JA69920-4, JA69920-5, JA69920-6, JA69920-8

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	113%	65-128%

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1276-MB	2W30331.D	1	03/17/11	YMH	n/a	n/a	V2W1276

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-3, JA69920-7

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.061	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.028	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.049	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.025	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.026	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.032	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.034	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.029	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.031	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.050	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.053	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.032	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.023	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.042	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.025	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.024	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.024	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.054	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.040	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.073	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.082	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.031	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.022	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.079	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.17	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.077	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1276-MB	2W30331.D	1	03/17/11	YMH	n/a	n/a	V2W1276

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-3, JA69920-7

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.026	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.029	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.024	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.060	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.022	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.055	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.030	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.037	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.043	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.034	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.096	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.025	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.039	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.057	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.025	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.024	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.029	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.13	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.059	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.026	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.026	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1276-MB	2W30331.D	1	03/17/11	YMH	n/a	n/a	V2W1276

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-3, JA69920-7

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	109%	65-128%

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1245-MB	W30380.D	1	02/24/11	YMH	n/a	n/a	VW1245

The QC reported here applies to the following samples: Method: TO-15

VW1245-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.061	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.028	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.049	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.025	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.026	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.032	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.034	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.029	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.031	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.050	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.053	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.032	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.023	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.042	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.025	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.024	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.024	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.054	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.040	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.073	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.082	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.031	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.022	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.079	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.17	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.077	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1245-MB	W30380.D	1	02/24/11	YMH	n/a	n/a	VW1245

The QC reported here applies to the following samples: Method: TO-15

VW1245-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.026	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.029	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.024	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.060	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.022	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.055	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.030	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.037	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.043	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.034	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.096	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.025	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.039	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.057	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.025	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.024	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.029	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.13	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.059	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.026	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.026	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1245-MB	W30380.D	1	02/24/11	YMH	n/a	n/a	VW1245

The QC reported here applies to the following samples: Method: TO-15

VW1245-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	92%	65-128%

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W829-MB	3W21006.D	1	02/25/11	YXC	n/a	n/a	V3W829

The QC reported here applies to the following samples: Method: TO-15

V3W829-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.061	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.028	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.049	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.025	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.026	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.032	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.034	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.029	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.031	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.050	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.053	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.032	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.023	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.042	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.025	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.024	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.024	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.054	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.040	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.073	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.082	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.031	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.022	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.079	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.17	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.077	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W829-MB	3W21006.D	1	02/25/11	YXC	n/a	n/a	V3W829

The QC reported here applies to the following samples: Method: TO-15

V3W829-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.026	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.029	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.024	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.060	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.022	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.055	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.030	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.037	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.043	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.034	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.096	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.025	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.039	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.057	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.025	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.024	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.029	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.13	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.059	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.026	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.026	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W829-MB	3W21006.D	1	02/25/11	YXC	n/a	n/a	V3W829

The QC reported here applies to the following samples: Method: TO-15

V3W829-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	78%	65-128%

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1246-MB	W30408.D	1	02/25/11	YMH	n/a	n/a	VW1246

The QC reported here applies to the following samples: Method: TO-15

VW1246-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.061	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.028	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.049	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.025	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.026	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.032	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.034	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.029	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.031	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.050	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.053	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.032	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.023	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.042	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.025	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.024	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.024	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.054	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.040	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.073	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.082	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.031	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.022	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.079	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.17	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.077	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1246-MB	W30408.D	1	02/25/11	YMH	n/a	n/a	VW1246

The QC reported here applies to the following samples: Method: TO-15

VW1246-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.026	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.029	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.024	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.060	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.022	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.055	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.030	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.037	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.043	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.034	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.096	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.025	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.039	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.057	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.025	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.024	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.029	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.13	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.059	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.026	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.026	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1246-MB	W30408.D	1	02/25/11	YMH	n/a	n/a	VW1246

The QC reported here applies to the following samples: Method: TO-15

VW1246-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1275-BS	2W30299.D	1	03/16/11	YMH	n/a	n/a	V2W1275
V2W1275-BSD	2W30300.D	1	03/16/11	YMH	n/a	n/a	V2W1275

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-2, JA69920-3, JA69920-4, JA69920-5, JA69920-6, JA69920-8

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	10.2	102	10.4	104	2	70-130/30
106-99-0	1,3-Butadiene	10	10.2	102	10.8	108	6	70-130/30
71-43-2	Benzene	10	9.1	91	9.4	94	3	70-130/30
75-27-4	Bromodichloromethane	10	8.4	84	8.7	87	4	70-130/30
75-25-2	Bromoform	10	9.5	95	9.9	99	4	70-130/30
74-83-9	Bromomethane	10	9.6	96	10.1	101	5	70-130/30
593-60-2	Bromoethene	10	9.6	96	10.1	101	5	70-130/30
100-44-7	Benzyl Chloride	10	11.1	111	11.5	115	4	70-130/30
75-15-0	Carbon disulfide	10	10.4	104	11.0	110	6	70-130/30
108-90-7	Chlorobenzene	10	8.6	86	8.8	88	2	70-130/30
75-00-3	Chloroethane	10	10.3	103	10.8	108	5	70-130/30
67-66-3	Chloroform	10	9.3	93	9.8	98	5	70-130/30
74-87-3	Chloromethane	10	10.7	107	11.3	113	5	70-130/30
107-05-1	3-Chloropropene	10	10.0	100	10.3	103	3	70-130/30
95-49-8	2-Chlorotoluene	10	9.1	91	9.3	93	2	70-130/30
56-23-5	Carbon tetrachloride	10	8.9	89	9.3	93	4	70-130/30
110-82-7	Cyclohexane	10	9.4	94	9.8	98	4	70-130/30
75-34-3	1,1-Dichloroethane	10	10	100	10.3	103	3	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.0	90	9.4	94	4	70-130/30
106-93-4	1,2-Dibromoethane	10	9.5	95	9.8	98	3	70-130/30
107-06-2	1,2-Dichloroethane	10	8.7	87	9.2	92	6	70-130/30
78-87-5	1,2-Dichloropropane	10	9.1	91	9.5	95	4	70-130/30
123-91-1	1,4-Dioxane	10	9.6	96	9.8	98	2	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.5	95	9.6	96	1	70-130/30
124-48-1	Dibromochloromethane	10	9.1	91	9.3	93	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.6	96	9.9	99	3	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.3	93	9.6	96	3	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	8.9	89	9.3	93	4	70-130/30
541-73-1	m-Dichlorobenzene	10	9.7	97	10.0	100	3	70-130/30
95-50-1	o-Dichlorobenzene	10	9.5	95	9.7	97	2	70-130/30
106-46-7	p-Dichlorobenzene	10	9.3	93	9.4	94	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	8.9	89	9.4	94	5	70-130/30
64-17-5	Ethanol	10	9.9	99	10.0	100	1	70-130/30
100-41-4	Ethylbenzene	10	9.2	92	9.5	95	3	70-130/30
141-78-6	Ethyl Acetate	10	10	100	10.3	103	3	70-130/30
622-96-8	4-Ethyltoluene	10	9.7	97	10.1	101	4	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1275-BS	2W30299.D	1	03/16/11	YMH	n/a	n/a	V2W1275
V2W1275-BSD	2W30300.D	1	03/16/11	YMH	n/a	n/a	V2W1275

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-2, JA69920-3, JA69920-4, JA69920-5, JA69920-6, JA69920-8

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	8.9	89	9.2	92	3	70-130/30
76-14-2	Freon 114	10	9.1	91	9.5	95	4	70-130/30
142-82-5	Heptane	10	8.8	88	9.2	92	4	70-130/30
87-68-3	Hexachlorobutadiene	10	10.0	100	10.3	103	3	70-130/30
110-54-3	Hexane	10	10.2	102	10.6	106	4	70-130/30
591-78-6	2-Hexanone	10	10.6	106	11.2	112	6	70-130/30
67-63-0	Isopropyl Alcohol	10	8.8	88	8.8	88	0	70-130/30
75-09-2	Methylene chloride	10	9.6	96	9.9	99	3	70-130/30
78-93-3	Methyl ethyl ketone	10	9.3	93	9.6	96	3	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	9.7	97	10.0	100	3	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.1	91	9.6	96	5	70-130/30
80-62-6	Methylmethacrylate	10	8.9	89	9.4	94	5	70-130/30
115-07-1	Propylene	10	10.9	109	11.1	111	2	70-130/30
100-42-5	Styrene	10	10.9	109	11.4	114	4	70-130/30
71-55-6	1,1,1-Trichloroethane	10	8.9	89	9.4	94	5	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	10.2	102	10.5	105	3	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.0	90	9.3	93	3	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	8.1	81	8.3	83	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	9.5	95	9.8	98	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.4	94	9.7	97	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	9.1	91	9.3	93	2	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.7	107	10.8	108	1	70-130/30
127-18-4	Tetrachloroethylene	10	7.8	78	8.1	81	4	70-130/30
109-99-9	Tetrahydrofuran	10	7.8	78	8.1	81	4	70-130/30
108-88-3	Toluene	10	8.9	89	9.3	93	4	70-130/30
79-01-6	Trichloroethylene	10	8.0	80	8.3	83	4	70-130/30
75-69-4	Trichlorofluoromethane	10	8.7	87	9.1	91	4	70-130/30
75-01-4	Vinyl chloride	10	10.7	107	11.2	112	5	70-130/30
108-05-4	Vinyl Acetate	10	9.4	94	10.2	102	8	70-130/30
	m,p-Xylene	20	17.8	89	18.3	92	3	70-130/30
95-47-6	o-Xylene	10	8.9	89	9.2	92	3	70-130/30
1330-20-7	Xylenes (total)	30	26.6	89	27.5	92	3	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1275-BS	2W30299.D	1	03/16/11	YMH	n/a	n/a	V2W1275
V2W1275-BSD	2W30300.D	1	03/16/11	YMH	n/a	n/a	V2W1275

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-2, JA69920-3, JA69920-4, JA69920-5, JA69920-6, JA69920-8

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	116%	115%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1276-BS	2W30329.D	1	03/17/11	YMH	n/a	n/a	V2W1276
V2W1276-BSD	2W30330.D	1	03/17/11	YMH	n/a	n/a	V2W1276

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-3, JA69920-7

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	12.4	124	10.6	106	16	70-130/30
106-99-0	1,3-Butadiene	10	11.6	116	10.5	105	10	70-130/30
71-43-2	Benzene	10	10.3	103	9.1	91	12	70-130/30
75-27-4	Bromodichloromethane	10	9.4	94	8.4	84	11	70-130/30
75-25-2	Bromoform	10	10.6	106	9.3	93	13	70-130/30
74-83-9	Bromomethane	10	10.7	107	9.6	96	11	70-130/30
593-60-2	Bromoethene	10	10.7	107	9.5	95	12	70-130/30
100-44-7	Benzyl Chloride	10	13.2	132* [a]	11.4	114	15	70-130/30
75-15-0	Carbon disulfide	10	11.6	116	10.5	105	10	70-130/30
108-90-7	Chlorobenzene	10	9.4	94	8.5	85	10	70-130/30
75-00-3	Chloroethane	10	11.7	117	10.3	103	13	70-130/30
67-66-3	Chloroform	10	10.5	105	9.5	95	10	70-130/30
74-87-3	Chloromethane	10	12.0	120	11.2	112	7	70-130/30
107-05-1	3-Chloropropene	10	11.3	113	10.0	100	12	70-130/30
95-49-8	2-Chlorotoluene	10	10.5	105	8.9	89	16	70-130/30
56-23-5	Carbon tetrachloride	10	10	100	8.9	89	12	70-130/30
110-82-7	Cyclohexane	10	10.8	108	9.4	94	14	70-130/30
75-34-3	1,1-Dichloroethane	10	11.3	113	10.1	101	11	70-130/30
75-35-4	1,1-Dichloroethylene	10	10	100	8.9	89	12	70-130/30
106-93-4	1,2-Dibromoethane	10	10.4	104	9.5	95	9	70-130/30
107-06-2	1,2-Dichloroethane	10	9.9	99	8.9	89	11	70-130/30
78-87-5	1,2-Dichloropropane	10	10.6	106	9.2	92	14	70-130/30
123-91-1	1,4-Dioxane	10	8.1	81	7.1	71	13	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.0	100	9.2	92	8	70-130/30
124-48-1	Dibromochloromethane	10	9.9	99	8.9	89	11	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.7	107	9.6	96	11	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	10.4	104	9.4	94	10	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10.2	102	9.1	91	11	70-130/30
541-73-1	m-Dichlorobenzene	10	11.0	110	9.5	95	15	70-130/30
95-50-1	o-Dichlorobenzene	10	10.8	108	9.2	92	16	70-130/30
106-46-7	p-Dichlorobenzene	10	10.5	105	9.1	91	14	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10.4	104	9.2	92	12	70-130/30
64-17-5	Ethanol	10	11.7	117	10.4	104	12	70-130/30
100-41-4	Ethylbenzene	10	10.7	107	9.0	90	17	70-130/30
141-78-6	Ethyl Acetate	10	12.2	122	10.7	107	13	70-130/30
622-96-8	4-Ethyltoluene	10	11.4	114	9.6	96	17	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1276-BS	2W30329.D	1	03/17/11	YMH	n/a	n/a	V2W1276
V2W1276-BSD	2W30330.D	1	03/17/11	YMH	n/a	n/a	V2W1276

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-3, JA69920-7

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.9	99	8.7	87	13	70-130/30
76-14-2	Freon 114	10	10	100	9.1	91	9	70-130/30
142-82-5	Heptane	10	10.1	101	8.9	89	13	70-130/30
87-68-3	Hexachlorobutadiene	10	11.2	112	9.3	93	19	70-130/30
110-54-3	Hexane	10	11.5	115	10.4	104	10	70-130/30
591-78-6	2-Hexanone	10	12.6	126	10.6	106	17	70-130/30
67-63-0	Isopropyl Alcohol	10	10.1	101	9.1	91	10	70-130/30
75-09-2	Methylene chloride	10	10.6	106	9.5	95	11	70-130/30
78-93-3	Methyl ethyl ketone	10	11.3	113	10	100	12	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.4	114	10.1	101	12	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	11.2	112	9.6	96	15	70-130/30
80-62-6	Methylmethacrylate	10	10.7	107	9.3	93	14	70-130/30
115-07-1	Propylene	10	12.1	121	11.0	110	10	70-130/30
100-42-5	Styrene	10	12.4	124	10.6	106	16	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.2	102	9.0	90	13	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	11.9	119	10.0	100	17	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.3	103	9.0	90	13	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	9.3	93	7.9	79	16	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	11.0	110	9.4	94	16	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	10.9	109	9.2	92	17	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	10.4	104	9.3	93	11	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	12.6	126	11.4	114	10	70-130/30
127-18-4	Tetrachloroethylene	10	8.4	84	7.7	77	9	70-130/30
109-99-9	Tetrahydrofuran	10	9.6	96	8.3	83	15	70-130/30
108-88-3	Toluene	10	10.4	104	8.9	89	16	70-130/30
79-01-6	Trichloroethylene	10	9.0	90	8.0	80	12	70-130/30
75-69-4	Trichlorofluoromethane	10	9.6	96	8.6	86	11	70-130/30
75-01-4	Vinyl chloride	10	11.8	118	11.0	110	7	70-130/30
108-05-4	Vinyl Acetate	10	11.6	116	10.0	100	15	70-130/30
	m,p-Xylene	20	20.5	103	17.2	86	18	70-130/30
95-47-6	o-Xylene	10	10.3	103	8.5	85	19	70-130/30
1330-20-7	Xylenes (total)	30	30.8	103	25.8	86	18	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1276-BS	2W30329.D	1	03/17/11	YMH	n/a	n/a	V2W1276
V2W1276-BSD	2W30330.D	1	03/17/11	YMH	n/a	n/a	V2W1276

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-3, JA69920-7

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	118%	116%	65-128%

(a) High percent recoveries and no associated positive found in the QC batch.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1245-BS	W30378.D	1	02/24/11	YMH	n/a	n/a	VW1245
VW1245-BSD	W30379.D	1	02/24/11	YMH	n/a	n/a	VW1245

The QC reported here applies to the following samples: Method: TO-15

VW1245-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	8.1	81	8.2	82	1	70-130/30
106-99-0	1,3-Butadiene	10	8.8	88	8.8	88	0	70-130/30
71-43-2	Benzene	10	8.2	82	8.2	82	0	70-130/30
75-27-4	Bromodichloromethane	10	9.4	94	9.1	91	3	70-130/30
75-25-2	Bromoform	10	8.8	88	8.9	89	1	70-130/30
74-83-9	Bromomethane	10	9.1	91	9.2	92	1	70-130/30
593-60-2	Bromoethene	10	9.3	93	9.6	96	3	70-130/30
100-44-7	Benzyl Chloride	10	8.3	83	8.5	85	2	70-130/30
75-15-0	Carbon disulfide	10	8.0	80	8.2	82	2	70-130/30
108-90-7	Chlorobenzene	10	8.5	85	8.8	88	3	70-130/30
75-00-3	Chloroethane	10	9.7	97	9.6	96	1	70-130/30
67-66-3	Chloroform	10	8.4	84	8.4	84	0	70-130/30
74-87-3	Chloromethane	10	9.9	99	9.5	95	4	70-130/30
107-05-1	3-Chloropropene	10	8.6	86	8.6	86	0	70-130/30
95-49-8	2-Chlorotoluene	10	9.2	92	9.3	93	1	70-130/30
56-23-5	Carbon tetrachloride	10	8.7	87	8.6	86	1	70-130/30
110-82-7	Cyclohexane	10	8.1	81	7.9	79	2	70-130/30
75-34-3	1,1-Dichloroethane	10	8.4	84	8.5	85	1	70-130/30
75-35-4	1,1-Dichloroethylene	10	8.7	87	8.9	89	2	70-130/30
106-93-4	1,2-Dibromoethane	10	8.7	87	8.7	87	0	70-130/30
107-06-2	1,2-Dichloroethane	10	9.3	93	9.3	93	0	70-130/30
78-87-5	1,2-Dichloropropane	10	8.2	82	8.2	82	0	70-130/30
123-91-1	1,4-Dioxane	10	7.7	77	8.0	80	4	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.6	96	9.6	96	0	70-130/30
124-48-1	Dibromochloromethane	10	9.2	92	9.1	91	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	7.9	79	8.0	80	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	7.8	78	8.0	80	3	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	8.7	87	8.7	87	0	70-130/30
541-73-1	m-Dichlorobenzene	10	9.0	90	9.1	91	1	70-130/30
95-50-1	o-Dichlorobenzene	10	8.8	88	9.0	90	2	70-130/30
106-46-7	p-Dichlorobenzene	10	8.7	87	9.0	90	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	8.8	88	8.7	87	1	70-130/30
64-17-5	Ethanol	10	8.6	86	8.8	88	2	70-130/30
100-41-4	Ethylbenzene	10	8.5	85	8.7	87	2	70-130/30
141-78-6	Ethyl Acetate	10	7.9	79	8.1	81	2	70-130/30
622-96-8	4-Ethyltoluene	10	9.3	93	9.5	95	2	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1245-BS	W30378.D	1	02/24/11	YMH	n/a	n/a	VW1245
VW1245-BSD	W30379.D	1	02/24/11	YMH	n/a	n/a	VW1245

The QC reported here applies to the following samples: Method: TO-15

VW1245-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	8.8	88	9.0	90	2	70-130/30
76-14-2	Freon 114	10	9.3	93	9.2	92	1	70-130/30
142-82-5	Heptane	10	8.7	87	8.7	87	0	70-130/30
87-68-3	Hexachlorobutadiene	10	9.1	91	9.9	99	8	70-130/30
110-54-3	Hexane	10	7.8	78	7.9	79	1	70-130/30
591-78-6	2-Hexanone	10	9.1	91	9.3	93	2	70-130/30
67-63-0	Isopropyl Alcohol	10	9.4	94	9.6	96	2	70-130/30
75-09-2	Methylene chloride	10	8.3	83	8.3	83	0	70-130/30
78-93-3	Methyl ethyl ketone	10	7.6	76	7.6	76	0	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	9.6	96	9.5	95	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	8.2	82	8.3	83	1	70-130/30
80-62-6	Methylmethacrylate	10	7.9	79	7.7	77	3	70-130/30
115-07-1	Propylene	10	10.0	100	10.1	101	1	70-130/30
100-42-5	Styrene	10	8.8	88	9.1	91	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10	8.7	87	8.7	87	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	8.4	84	8.5	85	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10	8.4	84	8.4	84	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	10.6	106	11.2	112	6	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	9.6	96	9.5	95	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.6	96	9.7	97	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	8.7	87	8.8	88	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	8.8	88	8.9	89	1	70-130/30
127-18-4	Tetrachloroethylene	10	9.6	96	9.5	95	1	70-130/30
109-99-9	Tetrahydrofuran	10	7.4	74	7.5	75	1	70-130/30
108-88-3	Toluene	10	8.4	84	8.5	85	1	70-130/30
79-01-6	Trichloroethylene	10	8.9	89	8.7	87	2	70-130/30
75-69-4	Trichlorofluoromethane	10	9.7	97	9.6	96	1	70-130/30
75-01-4	Vinyl chloride	10	9.1	91	9.0	90	1	70-130/30
108-05-4	Vinyl Acetate	10	7.7	77	8.0	80	4	70-130/30
	m,p-Xylene	20	17.1	86	17.6	88	3	70-130/30
95-47-6	o-Xylene	10	8.6	86	9.0	90	5	70-130/30
1330-20-7	Xylenes (total)	30	25.7	86	26.6	89	3	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1245-BS	W30378.D	1	02/24/11	YMH	n/a	n/a	VW1245
VW1245-BSD	W30379.D	1	02/24/11	YMH	n/a	n/a	VW1245

The QC reported here applies to the following samples: Method: TO-15

VW1245-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	100%	102%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W829-BS	3W21004.D	1	02/25/11	YXC	n/a	n/a	V3W829
V3W829-BSD	3W21005.D	1	02/25/11	YXC	n/a	n/a	V3W829

The QC reported here applies to the following samples: Method: TO-15

V3W829-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	9.5	95	9.2	92	3	70-130/30
106-99-0	1,3-Butadiene	10	10.2	102	9.7	97	5	70-130/30
71-43-2	Benzene	10	10.7	107	10.4	104	3	70-130/30
75-27-4	Bromodichloromethane	10	11.1	111	10.7	107	4	70-130/30
75-25-2	Bromoform	10	10.1	101	10.2	102	1	70-130/30
74-83-9	Bromomethane	10	10.0	100	9.5	95	5	70-130/30
593-60-2	Bromoethene	10	10.4	104	9.9	99	5	70-130/30
100-44-7	Benzyl Chloride	10	10.4	104	10.5	105	1	70-130/30
75-15-0	Carbon disulfide	10	10.0	100	9.4	94	6	70-130/30
108-90-7	Chlorobenzene	10	9.7	97	9.9	99	2	70-130/30
75-00-3	Chloroethane	10	11.8	118	11.1	111	6	70-130/30
67-66-3	Chloroform	10	11.0	110	10.7	107	3	70-130/30
74-87-3	Chloromethane	10	11.3	113	10.5	105	7	70-130/30
107-05-1	3-Chloropropene	10	11.4	114	11.1	111	3	70-130/30
95-49-8	2-Chlorotoluene	10	10.2	102	10.3	103	1	70-130/30
56-23-5	Carbon tetrachloride	10	11.3	113	10.9	109	4	70-130/30
110-82-7	Cyclohexane	10	10.7	107	9.9	99	8	70-130/30
75-34-3	1,1-Dichloroethane	10	11.2	112	11.0	110	2	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.6	96	9.2	92	4	70-130/30
106-93-4	1,2-Dibromoethane	10	11.0	110	11.2	112	2	70-130/30
107-06-2	1,2-Dichloroethane	10	12.7	127	12.6	126	1	70-130/30
78-87-5	1,2-Dichloropropane	10	11.0	110	10.8	108	2	70-130/30
123-91-1	1,4-Dioxane	10	10.5	105	9.8	98	7	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.8	98	9.3	93	5	70-130/30
124-48-1	Dibromochloromethane	10	10.3	103	10.2	102	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.9	109	10.6	106	3	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	10.9	109	10.4	104	5	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	12.4	124	12.1	121	2	70-130/30
541-73-1	m-Dichlorobenzene	10	11.5	115	11.9	119	3	70-130/30
95-50-1	o-Dichlorobenzene	10	10.9	109	11.4	114	4	70-130/30
106-46-7	p-Dichlorobenzene	10	10.8	108	11.1	111	3	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	13.1	131* [a]	13.1	131* [a]	0	70-130/30
64-17-5	Ethanol	10	9.4	94	9.1	91	3	70-130/30
100-41-4	Ethylbenzene	10	10.2	102	10.6	106	4	70-130/30
141-78-6	Ethyl Acetate	10	9.9	99	9.8	98	1	70-130/30
622-96-8	4-Ethyltoluene	10	9.5	95	9.9	99	4	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W829-BS	3W21004.D	1	02/25/11	YXC	n/a	n/a	V3W829
V3W829-BSD	3W21005.D	1	02/25/11	YXC	n/a	n/a	V3W829

The QC reported here applies to the following samples: Method: TO-15

V3W829-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.1	101	9.6	96	5	70-130/30
76-14-2	Freon 114	10	9.8	98	9.3	93	5	70-130/30
142-82-5	Heptane	10	11.6	116	10.9	109	6	70-130/30
87-68-3	Hexachlorobutadiene	10	13.1	131* [a]	13.9	139* [a]	6	70-130/30
110-54-3	Hexane	10	10.8	108	10.3	103	5	70-130/30
591-78-6	2-Hexanone	10	10.6	106	10.5	105	1	70-130/30
67-63-0	Isopropyl Alcohol	10	10.6	106	10.1	101	5	70-130/30
75-09-2	Methylene chloride	10	11.0	110	10.3	103	7	70-130/30
78-93-3	Methyl ethyl ketone	10	10.5	105	10.0	100	5	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.0	110	10.4	104	6	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	8.7	87	8.5	85	2	70-130/30
80-62-6	Methylmethacrylate	10	10.0	100	9.6	96	4	70-130/30
115-07-1	Propylene	10	9.9	99	9.3	93	6	70-130/30
100-42-5	Styrene	10	12.0	120	12.6	126	5	70-130/30
71-55-6	1,1,1-Trichloroethane	10	11.0	110	10.7	107	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	12.2	122	12.7	127	4	70-130/30
79-00-5	1,1,2-Trichloroethane	10	12.1	121	11.9	119	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	11.4	114	11.7	117	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	9.7	97	9.8	98	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.1	91	9.4	94	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	11.0	110	10.5	105	5	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.8	108	10.3	103	5	70-130/30
127-18-4	Tetrachloroethylene	10	8.9	89	8.7	87	2	70-130/30
109-99-9	Tetrahydrofuran	10	9.5	95	9.5	95	0	70-130/30
108-88-3	Toluene	10	10.7	107	10.7	107	0	70-130/30
79-01-6	Trichloroethylene	10	9.7	97	9.3	93	4	70-130/30
75-69-4	Trichlorofluoromethane	10	10.2	102	9.7	97	5	70-130/30
75-01-4	Vinyl chloride	10	10.6	106	9.8	98	8	70-130/30
108-05-4	Vinyl Acetate	10	10.0	100	10.3	103	3	70-130/30
	m,p-Xylene	20	19.6	98	20.6	103	5	70-130/30
95-47-6	o-Xylene	10	9.8	98	10.4	104	6	70-130/30
1330-20-7	Xylenes (total)	30	29.4	98	30.9	103	5	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W829-BS	3W21004.D	1	02/25/11	YXC	n/a	n/a	V3W829
V3W829-BSD	3W21005.D	1	02/25/11	YXC	n/a	n/a	V3W829

The QC reported here applies to the following samples: Method: TO-15

V3W829-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	110%	109%	65-128%

(a) High percent recoveries and no associated positive found in the QC batch.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1246-BS	W30406.D	1	02/25/11	YMH	n/a	n/a	VW1246
VW1246-BSD	W30407.D	1	02/25/11	YMH	n/a	n/a	VW1246

The QC reported here applies to the following samples: Method: TO-15

VW1246-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	8.7	87	9.2	92	6	70-130/30
106-99-0	1,3-Butadiene	10	9.2	92	10.2	102	10	70-130/30
71-43-2	Benzene	10	9.0	90	9.1	91	1	70-130/30
75-27-4	Bromodichloromethane	10	9.5	95	9.6	96	1	70-130/30
75-25-2	Bromoform	10	9.8	98	9.6	96	2	70-130/30
74-83-9	Bromomethane	10	9.8	98	10.7	107	9	70-130/30
593-60-2	Bromoethene	10	10.2	102	10.8	108	6	70-130/30
100-44-7	Benzyl Chloride	10	9.1	91	9.1	91	0	70-130/30
75-15-0	Carbon disulfide	10	9.1	91	9.2	92	1	70-130/30
108-90-7	Chlorobenzene	10	10.2	102	9.9	99	3	70-130/30
75-00-3	Chloroethane	10	10.6	106	11.5	115	8	70-130/30
67-66-3	Chloroform	10	8.9	89	8.8	88	1	70-130/30
74-87-3	Chloromethane	10	10.2	102	10.8	108	6	70-130/30
107-05-1	3-Chloropropene	10	9.4	94	9.8	98	4	70-130/30
95-49-8	2-Chlorotoluene	10	10.9	109	10.5	105	4	70-130/30
56-23-5	Carbon tetrachloride	10	8.8	88	8.9	89	1	70-130/30
110-82-7	Cyclohexane	10	8.9	89	9.2	92	3	70-130/30
75-34-3	1,1-Dichloroethane	10	9.3	93	9.4	94	1	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.7	97	10.4	104	7	70-130/30
106-93-4	1,2-Dibromoethane	10	10.1	101	9.8	98	3	70-130/30
107-06-2	1,2-Dichloroethane	10	9.7	97	9.4	94	3	70-130/30
78-87-5	1,2-Dichloropropane	10	9.1	91	9.0	90	1	70-130/30
123-91-1	1,4-Dioxane	10	7.7	77	8.4	84	9	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.7	97	10.3	103	6	70-130/30
124-48-1	Dibromochloromethane	10	9.9	99	10	100	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	8.8	88	9.0	90	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	8.8	88	9.0	90	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	9.4	94	9.1	91	3	70-130/30
541-73-1	m-Dichlorobenzene	10	10.5	105	10.5	105	0	70-130/30
95-50-1	o-Dichlorobenzene	10	10.3	103	10.2	102	1	70-130/30
106-46-7	p-Dichlorobenzene	10	10.3	103	10.2	102	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	9.5	95	9.2	92	3	70-130/30
64-17-5	Ethanol	10	9.0	90	9.3	93	3	70-130/30
100-41-4	Ethylbenzene	10	10.0	100	9.8	98	2	70-130/30
141-78-6	Ethyl Acetate	10	8.2	82	8.5	85	4	70-130/30
622-96-8	4-Ethyltoluene	10	11.0	110	10.5	105	5	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1246-BS	W30406.D	1	02/25/11	YMH	n/a	n/a	VW1246
VW1246-BSD	W30407.D	1	02/25/11	YMH	n/a	n/a	VW1246

The QC reported here applies to the following samples: Method: TO-15

VW1246-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.6	96	9.9	99	3	70-130/30
76-14-2	Freon 114	10	9.5	95	10.3	103	8	70-130/30
142-82-5	Heptane	10	9.4	94	9.7	97	3	70-130/30
87-68-3	Hexachlorobutadiene	10	8.2	82	10.8	108	27	70-130/30
110-54-3	Hexane	10	8.9	89	8.7	87	2	70-130/30
591-78-6	2-Hexanone	10	8.9	89	9.8	98	10	70-130/30
67-63-0	Isopropyl Alcohol	10	9.3	93	10.1	101	8	70-130/30
75-09-2	Methylene chloride	10	9.3	93	9.5	95	2	70-130/30
78-93-3	Methyl ethyl ketone	10	7.9	79	7.8	78	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	8.7	87	9.4	94	8	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	8.7	87	8.3	83	5	70-130/30
80-62-6	Methylmethacrylate	10	8.0	80	7.7	77	4	70-130/30
115-07-1	Propylene	10	10	100	11.1	111	10	70-130/30
100-42-5	Styrene	10	10.6	106	10.3	103	3	70-130/30
71-55-6	1,1,1-Trichloroethane	10	8.9	89	9.0	90	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	9.6	96	9.5	95	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.3	93	9.3	93	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	8.3	83	11.6	116	33* [a]	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	10.8	108	10.3	103	5	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	11.0	110	10.6	106	4	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	9.5	95	9.9	99	4	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	8.2	82	9.8	98	18	70-130/30
127-18-4	Tetrachloroethylene	10	10.5	105	10.5	105	0	70-130/30
109-99-9	Tetrahydrofuran	10	8.2	82	7.7	77	6	70-130/30
108-88-3	Toluene	10	9.4	94	9.2	92	2	70-130/30
79-01-6	Trichloroethylene	10	9.5	95	9.4	94	1	70-130/30
75-69-4	Trichlorofluoromethane	10	9.8	98	10.0	100	2	70-130/30
75-01-4	Vinyl chloride	10	9.6	96	10.7	107	11	70-130/30
108-05-4	Vinyl Acetate	10	8.8	88	8.6	86	2	70-130/30
	m,p-Xylene	20	20.7	104	19.9	100	4	70-130/30
95-47-6	o-Xylene	10	10.4	104	10.1	101	3	70-130/30
1330-20-7	Xylenes (total)	30	31.1	104	30.0	100	4	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1246-BS	W30406.D	1	02/25/11	YMH	n/a	n/a	VW1246
VW1246-BSD	W30407.D	1	02/25/11	YMH	n/a	n/a	VW1246

The QC reported here applies to the following samples: Method: TO-15

VW1246-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	100%	102%	65-128%

(a) Outside control limits.

Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA70103-26DUP	2W30311.D	1.53	03/16/11	YMH	n/a	n/a	V2W1275
JA70103-26	2W30310.D	1.53	03/16/11	YMH	n/a	n/a	V2W1275

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-2, JA69920-3, JA69920-4, JA69920-5, JA69920-6, JA69920-8

CAS No.	Compound	JA70103-26 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	24.9		25.7		3	27
106-99-0	1,3-Butadiene	ND		ND		nc	20
71-43-2	Benzene	ND		ND		nc	17
75-27-4	Bromodichloromethane	ND		ND		nc	20
75-25-2	Bromoform	ND		ND		nc	20
74-83-9	Bromomethane	ND		ND		nc	20
593-60-2	Bromoethene	ND		ND		nc	30
100-44-7	Benzyl Chloride	ND		ND		nc	20
75-15-0	Carbon disulfide	ND		ND		nc	11
108-90-7	Chlorobenzene	ND		ND		nc	20
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	ND		ND		nc	12
74-87-3	Chloromethane	ND		ND		nc	22
107-05-1	3-Chloropropene	ND		ND		nc	10
95-49-8	2-Chlorotoluene	ND		ND		nc	20
56-23-5	Carbon tetrachloride	ND		ND		nc	10
110-82-7	Cyclohexane	ND		ND		nc	12
75-34-3	1,1-Dichloroethane	ND		ND		nc	20
75-35-4	1,1-Dichloroethylene	ND		ND		nc	20
106-93-4	1,2-Dibromoethane	ND		ND		nc	20
107-06-2	1,2-Dichloroethane	ND		ND		nc	20
78-87-5	1,2-Dichloropropane	ND		ND		nc	20
123-91-1	1,4-Dioxane	ND		ND		nc	20
75-71-8	Dichlorodifluoromethane	ND		ND		nc	22
124-48-1	Dibromochloromethane	ND		ND		nc	20
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethylene	0.61	J	0.65	J	6	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	20
541-73-1	m-Dichlorobenzene	ND		ND		nc	20
95-50-1	o-Dichlorobenzene	ND		ND		nc	10
106-46-7	p-Dichlorobenzene	ND		ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	20
64-17-5	Ethanol	383	E	399	E	4	33
100-41-4	Ethylbenzene	ND		ND		nc	15
141-78-6	Ethyl Acetate	71.1		73.4		3	20
622-96-8	4-Ethyltoluene	ND		ND		nc	13

Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA70103-26DUP	2W30311.D	1.53	03/16/11	YMH	n/a	n/a	V2W1275
JA70103-26	2W30310.D	1.53	03/16/11	YMH	n/a	n/a	V2W1275

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-2, JA69920-3, JA69920-4, JA69920-5, JA69920-6, JA69920-8

CAS No.	Compound	JA70103-26 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	10
76-14-2	Freon 114	ND		ND		nc	20
142-82-5	Heptane	ND		ND		nc	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	20
110-54-3	Hexane	ND		ND		nc	17
591-78-6	2-Hexanone	ND		ND		nc	20
67-63-0	Isopropyl Alcohol	56.5		59.2		5	26
75-09-2	Methylene chloride	ND		ND		nc	26
78-93-3	Methyl ethyl ketone	13.0		13.7		5	21
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	20
80-62-6	Methylmethacrylate	ND		ND		nc	20
115-07-1	Propylene	ND		ND		nc	16
100-42-5	Styrene	ND		ND		nc	11
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	20
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	20
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	19
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	13
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	18
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	21
127-18-4	Tetrachloroethylene	1.7		1.8		6	17
109-99-9	Tetrahydrofuran	ND		ND		nc	20
108-88-3	Toluene	4.2		4.3		2	20
79-01-6	Trichloroethylene	0.17		0.18		6	13
75-69-4	Trichlorofluoromethane	ND		ND		nc	21
75-01-4	Vinyl chloride	ND		ND		nc	20
108-05-4	Vinyl Acetate	ND		ND		nc	20
	m,p-Xylene	0.54	J	0.55	J	2	26
95-47-6	o-Xylene	ND		ND		nc	20
1330-20-7	Xylenes (total)	0.54	J	0.55	J	2	26

Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA70103-26DUP	2W30311.D	1.53	03/16/11	YMH	n/a	n/a	V2W1275
JA70103-26	2W30310.D	1.53	03/16/11	YMH	n/a	n/a	V2W1275

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-2, JA69920-3, JA69920-4, JA69920-5, JA69920-6, JA69920-8

CAS No.	Surrogate Recoveries	DUP	JA70103-26	Limits
460-00-4	4-Bromofluorobenzene	108%	110%	65-128%

Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA70487-2DUP	2W30338.D	1	03/17/11	YMH	n/a	n/a	V2W1276
JA70487-2	2W30337.D	1	03/17/11	YMH	n/a	n/a	V2W1276

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-3, JA69920-7

CAS No.	Compound	JA70487-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	24.1		29.1		19	27
106-99-0	1,3-Butadiene	ND		ND		nc	20
71-43-2	Benzene	1.6		1.7		6	17
75-27-4	Bromodichloromethane	ND		ND		nc	20
75-25-2	Bromoform	ND		ND		nc	20
74-83-9	Bromomethane	ND		ND		nc	20
593-60-2	Bromoethene	ND		ND		nc	30
100-44-7	Benzyl Chloride	ND		ND		nc	20
75-15-0	Carbon disulfide	1.1		1.1		0	11
108-90-7	Chlorobenzene	ND		ND		nc	20
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	ND		ND		nc	12
74-87-3	Chloromethane	ND		ND		nc	22
107-05-1	3-Chloropropene	ND		ND		nc	10
95-49-8	2-Chlorotoluene	ND		ND		nc	20
56-23-5	Carbon tetrachloride	ND		ND		nc	10
110-82-7	Cyclohexane	0.43		0.47	J	9	12
75-34-3	1,1-Dichloroethane	ND		ND		nc	20
75-35-4	1,1-Dichloroethylene	ND		ND		nc	20
106-93-4	1,2-Dibromoethane	ND		ND		nc	20
107-06-2	1,2-Dichloroethane	ND		ND		nc	20
78-87-5	1,2-Dichloropropane	ND		ND		nc	20
123-91-1	1,4-Dioxane	ND		ND		nc	20
75-71-8	Dichlorodifluoromethane	ND		ND		nc	22
124-48-1	Dibromochloromethane	ND		ND		nc	20
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	20
541-73-1	m-Dichlorobenzene	ND		ND		nc	20
95-50-1	o-Dichlorobenzene	ND		ND		nc	10
106-46-7	p-Dichlorobenzene	ND		ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	20
64-17-5	Ethanol	18.6		22.5		19	33
100-41-4	Ethylbenzene	0.94		1.1		16* [a]	15
141-78-6	Ethyl Acetate	ND		ND		nc	20
622-96-8	4-Ethyltoluene	0.70		0.76	J	8	13

Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA70487-2DUP	2W30338.D	1	03/17/11	YMH	n/a	n/a	V2W1276
JA70487-2	2W30337.D	1	03/17/11	YMH	n/a	n/a	V2W1276

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-3, JA69920-7

CAS No.	Compound	JA70487-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	10
76-14-2	Freon 114	ND		ND		nc	20
142-82-5	Heptane	0.85		0.94		10	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	20
110-54-3	Hexane	2.6		2.7		4	17
591-78-6	2-Hexanone	ND		ND		nc	20
67-63-0	Isopropyl Alcohol	3.9		4.5		14	26
75-09-2	Methylene chloride	0.61		0.79	J	26	26
78-93-3	Methyl ethyl ketone	ND		ND		nc	21
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	20
80-62-6	Methylmethacrylate	ND		ND		nc	20
115-07-1	Propylene	8.7		16.3		61* [a]	16
100-42-5	Styrene	ND		ND		nc	11
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	20
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	20
95-63-6	1,2,4-Trimethylbenzene	2.8		3.3		16	19
108-67-8	1,3,5-Trimethylbenzene	0.79		0.93		16* [a]	13
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	18
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	21
127-18-4	Tetrachloroethylene	0.84		0.96		13	17
109-99-9	Tetrahydrofuran	ND		ND		nc	20
108-88-3	Toluene	2.6		2.8		7	20
79-01-6	Trichloroethylene	ND		ND		nc	13
75-69-4	Trichlorofluoromethane	3.5		3.1		12	21
75-01-4	Vinyl chloride	ND		ND		nc	20
108-05-4	Vinyl Acetate	ND		ND		nc	20
	m,p-Xylene	3.6		4.0		11	26
95-47-6	o-Xylene	1.3		1.4		7	20
1330-20-7	Xylenes (total)	4.8		5.4		12	26

Duplicate Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA70487-2DUP	2W30338.D	1	03/17/11	YMH	n/a	n/a	V2W1276
JA70487-2	2W30337.D	1	03/17/11	YMH	n/a	n/a	V2W1276

The QC reported here applies to the following samples: Method: TO-15

JA69920-1, JA69920-3, JA69920-7

CAS No.	Surrogate Recoveries	DUP	JA70487-2	Limits
460-00-4	4-Bromofluorobenzene	121%	119%	65-128%

(a) Outside control limits.

Summa Cleaning Certification

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1245-SCC	W30386.D	1	02/24/11	YMH	n/a	n/a	VW1245

The QC reported here (Summa A276) applies to the following samples: Method: TO-15

Batch CP4595 cleaned 02/21/11: JA69920-1(A461), JA69920-2(A322), JA69920-3(A737), JA69920-4(A892)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.061	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.028	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.049	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.025	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.026	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.032	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.034	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.029	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.031	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.050	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.053	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.032	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.023	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.042	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.025	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.024	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.024	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.054	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.040	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.073	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.082	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.031	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.022	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.079	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.17	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.077	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1245-SCC	W30386.D	1	02/24/11	YMH	n/a	n/a	VW1245

The QC reported here (Summa A276) applies to the following samples: Method: TO-15

Batch CP4595 cleaned 02/21/11: JA69920-1(A461), JA69920-2(A322), JA69920-3(A737), JA69920-4(A892)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.026	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.029	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.024	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.060	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.022	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.055	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.030	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.037	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.043	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.034	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.096	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.025	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.039	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.057	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.025	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.024	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.029	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.13	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.059	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.026	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.026	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1245-SCC	W30386.D	1	02/24/11	YMH	n/a	n/a	VW1245

The QC reported here (Summa A276) applies to the following samples: Method: TO-15

Batch CP4595 cleaned 02/21/11: JA69920-1(A461), JA69920-2(A322), JA69920-3(A737), JA69920-4(A892)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	90%	65-128%

Summa Cleaning Certification

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W829-SCC	3W21013.D	1	02/25/11	YXC	n/a	n/a	V3W829

The QC reported here (Summa A465) applies to the following samples: Method: TO-15

Batch CP4604 cleaned 02/23/11: JA69920-6(A898), JA69920-7(A651)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.061	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.028	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.049	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.025	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.026	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.032	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.034	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.029	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.031	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.050	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.053	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.032	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.023	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.042	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.025	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.024	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.024	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.054	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.040	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.073	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.032	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.031	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.022	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.079	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.17	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.077	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W829-SCC	3W21013.D	1	02/25/11	YXC	n/a	n/a	V3W829

The QC reported here (Summa A465) applies to the following samples: Method: TO-15

Batch CP4604 cleaned 02/23/11: JA69920-6(A898), JA69920-7(A651)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.026	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.029	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.024	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.060	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.022	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.055	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.030	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.037	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.043	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.034	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.096	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.025	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.039	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.057	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.025	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.024	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.029	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.13	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.059	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.026	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.026	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W829-SCC	3W21013.D	1	02/25/11	YXC	n/a	n/a	V3W829

The QC reported here (Summa A465) applies to the following samples: Method: TO-15

Batch CP4604 cleaned 02/23/11: JA69920-6(A898), JA69920-7(A651)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	86%	65-128%

Summa Cleaning Certification

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1246-SCC	W30415.D	1	02/25/11	YMH	n/a	n/a	VW1246

The QC reported here (Summa A342) applies to the following samples: Method: TO-15

Batch CP4603 cleaned 02/23/11: JA69920-5(A215), JA69920-8(A336)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.061	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.028	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.049	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.025	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.025	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.026	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.032	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.034	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.029	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.031	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.050	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.026	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.053	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.035	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.032	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.023	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.042	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.025	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.024	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.024	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.054	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.040	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.073	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.082	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.035	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.031	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.022	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.032	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.079	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.17	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.027	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.077	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1246-SCC	W30415.D	1	02/25/11	YMH	n/a	n/a	VW1246

The QC reported here (Summa A342) applies to the following samples: Method: TO-15

Batch CP4603 cleaned 02/23/11: JA69920-5(A215), JA69920-8(A336)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.026	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.029	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.024	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.060	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.022	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.055	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.030	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.037	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.043	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.034	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.096	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.025	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.024	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.027	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.021	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.039	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.040	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.057	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.025	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.024	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.032	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.029	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.13	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.059	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.026	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.026	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1246-SCC	W30415.D	1	02/25/11	YMH	n/a	n/a	VW1246

The QC reported here (Summa A342) applies to the following samples: Method: TO-15

Batch CP4603 cleaned 02/23/11: JA69920-5(A215), JA69920-8(A336)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	96%	65-128%

Instrument Performance Check (BFB)

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample:	V2W1267-BFB	Injection Date:	03/04/11
Lab File ID:	2W30085.D	Injection Time:	16:43
Instrument ID:	GCMS2W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	17557	19.6		Pass
75	30.0 - 66.0% of mass 95	44552	49.7		Pass
95	Base peak, 100% relative abundance	89573	100.0		Pass
96	5.0 - 9.0% of mass 95	6313	7.05		Pass
173	Less than 2.0% of mass 174	657	0.73	(0.93) [a]	Pass
174	50.0 - 120.0% of mass 95	70885	79.1		Pass
175	4.0 - 9.01% of mass 174	5265	5.88	(7.43) [a]	Pass
176	93.0 - 101.0% of mass 174	69784	77.9	(98.4) [a]	Pass
177	5.0 - 9.0% of mass 176	4663	5.21	(6.68) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1267-IC1267	2W30087.D	03/04/11	18:00	01:17	Initial cal 0.2
V2W1267-ICC1267	2W30088.D	03/04/11	18:37	01:54	Initial cal 10
V2W1267-IC1267	2W30089.D	03/04/11	19:16	02:33	Initial cal 0.5
V2W1267-IC1267	2W30090.D	03/04/11	19:56	03:13	Initial cal 20
V2W1267-IC1267	2W30091.D	03/04/11	20:34	03:51	Initial cal 5
V2W1267-IC1267	2W30092.D	03/04/11	21:13	04:30	Initial cal 0.1
V2W1267-IC1267	2W30093.D	03/04/11	21:51	05:08	Initial cal 0.04
V2W1267-IC1267	2W30094.D	03/04/11	23:07	06:24	Initial cal 10
V2W1267-IC1267	2W30095.D	03/04/11	23:47	07:04	Initial cal 5.0
V2W1267-IC1267	2W30096.D	03/05/11	00:27	07:44	Initial cal 40
V2W1267-IC1267	2W30097.D	03/05/11	01:06	08:23	Initial cal 0.5
V2W1267-IC1267	2W30098.D	03/05/11	01:44	09:01	Initial cal 0.2
V2W1267-ICV1267	2W30099.D	03/05/11	02:24	09:41	Initial cal verification 10
V2W1267-IC1267	2W30100.D	03/05/11	03:03	10:20	Initial cal 20
V2W1267-IC1267	2W30101.D	03/05/11	03:44	11:01	Initial cal 40

Instrument Performance Check (BFB)

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample:	V2W1275-BFB	Injection Date:	03/16/11
Lab File ID:	2W30297.D	Injection Time:	06:06
Instrument ID:	GCMS2W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	12870	22.7		Pass
75	30.0 - 66.0% of mass 95	30685	54.0		Pass
95	Base peak, 100% relative abundance	56819	100.0		Pass
96	5.0 - 9.0% of mass 95	4378	7.71		Pass
173	Less than 2.0% of mass 174	627	1.10	(1.37) [a]	Pass
174	50.0 - 120.0% of mass 95	45824	80.6		Pass
175	4.0 - 9.01% of mass 174	3563	6.27	(7.78) [a]	Pass
176	93.0 - 101.0% of mass 174	44352	78.1	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	2971	5.23	(6.70) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1275-CC1267	2W30298.D	03/16/11	06:48	00:42	Continuing cal 10
V2W1275-BS	2W30299.D	03/16/11	08:50	02:44	Blank Spike
V2W1275-BSD	2W30300.D	03/16/11	09:27	03:21	Blank Spike Duplicate
V2W1275-MB	2W30301.D	03/16/11	10:51	04:45	Method Blank
ZZZZZZ	2W30302.D	03/16/11	11:32	05:26	(unrelated sample)
ZZZZZZ	2W30303.D	03/16/11	12:10	06:04	(unrelated sample)
ZZZZZZ	2W30304.D	03/16/11	12:47	06:41	(unrelated sample)
ZZZZZZ	2W30305.D	03/16/11	13:25	07:19	(unrelated sample)
ZZZZZZ	2W30306.D	03/16/11	14:03	07:57	(unrelated sample)
ZZZZZZ	2W30307.D	03/16/11	14:41	08:35	(unrelated sample)
ZZZZZZ	2W30308.D	03/16/11	15:19	09:13	(unrelated sample)
ZZZZZZ	2W30309.D	03/16/11	15:57	09:51	(unrelated sample)
JA70103-26	2W30310.D	03/16/11	16:35	10:29	(used for QC only; not part of job JA69920)
JA70103-26DUP	2W30311.D	03/16/11	17:13	11:07	Duplicate
ZZZZZZ	2W30312.D	03/16/11	17:51	11:45	(unrelated sample)
JA69920-1	2W30313.D	03/16/11	18:29	12:23	SG-1
JA69920-2	2W30314.D	03/16/11	19:07	13:01	SG-2
JA69920-3	2W30315.D	03/16/11	19:46	13:40	SG-3
JA69920-4	2W30316.D	03/16/11	20:23	14:17	SG-4
JA69920-5	2W30317.D	03/16/11	21:37	15:31	SG-5
JA69920-6	2W30318.D	03/16/11	22:15	16:09	SG-6
JA69920-8	2W30320.D	03/16/11	23:30	17:24	SG-8

Instrument Performance Check (BFB)

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample:	V2W1276-BFB	Injection Date:	03/17/11
Lab File ID:	2W30325.D	Injection Time:	06:03
Instrument ID:	GCMS2W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	13067	16.3		Pass
75	30.0 - 66.0% of mass 95	36440	45.6		Pass
95	Base peak, 100% relative abundance	79973	100.0		Pass
96	5.0 - 9.0% of mass 95	5820	7.28		Pass
173	Less than 2.0% of mass 174	525	0.66	(0.89) [a]	Pass
174	50.0 - 120.0% of mass 95	59069	73.9		Pass
175	4.0 - 9.01% of mass 174	4422	5.53	(7.49) [a]	Pass
176	93.0 - 101.0% of mass 174	56912	71.2	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	3587	4.49	(6.30) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1276-CC1267	2W30327.D	03/17/11	08:40	02:37	Continuing cal 10
V2W1276-CC1267	2W30328.D	03/17/11	10:05	04:02	Continuing cal 10
V2W1276-BS	2W30329.D	03/17/11	10:43	04:40	Blank Spike
V2W1276-BSD	2W30330.D	03/17/11	11:20	05:17	Blank Spike Duplicate
V2W1276-MB	2W30331.D	03/17/11	12:44	06:41	Method Blank
ZZZZZZ	2W30332.D	03/17/11	13:27	07:24	(unrelated sample)
ZZZZZZ	2W30333.D	03/17/11	14:05	08:02	(unrelated sample)
V2W1276-SCC	2W30334.D	03/17/11	14:45	08:42	Summa Cleaning Certification
JA70487-2	2W30337.D	03/17/11	16:40	10:37	(used for QC only; not part of job JA69920)
JA70487-2DUP	2W30338.D	03/17/11	17:18	11:15	Duplicate
V2W1276-SCC	2W30339.D	03/17/11	17:57	11:54	Summa Cleaning Certification
JA69920-1	2W30340.D	03/17/11	18:34	12:31	SG-1
JA69920-3	2W30341.D	03/17/11	19:12	13:09	SG-3
JA69920-7	2W30342.D	03/17/11	19:51	13:48	SG-7
ZZZZZZ	2W30343.D	03/17/11	20:31	14:28	(unrelated sample)
ZZZZZZ	2W30344.D	03/17/11	21:11	15:08	(unrelated sample)
ZZZZZZ	2W30345.D	03/17/11	21:49	15:46	(unrelated sample)
ZZZZZZ	2W30346.D	03/17/11	22:27	16:24	(unrelated sample)
ZZZZZZ	2W30347.D	03/17/11	23:05	17:02	(unrelated sample)
ZZZZZZ	2W30348.D	03/17/11	23:44	17:41	(unrelated sample)
ZZZZZZ	2W30349.D	03/18/11	00:24	18:21	(unrelated sample)
ZZZZZZ	2W30350.D	03/18/11	01:04	19:01	(unrelated sample)
ZZZZZZ	2W30352.D	03/18/11	03:03	21:00	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample:	V3W821-BFB	Injection Date:	02/15/11
Lab File ID:	3W20777.D	Injection Time:	17:04
Instrument ID:	GCMS3W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	6895	16.7		Pass
75	30.0 - 66.0% of mass 95	18240	44.2		Pass
95	Base peak, 100% relative abundance	41264	100.0		Pass
96	5.0 - 9.0% of mass 95	2754	6.67		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	42746	103.6		Pass
175	4.0 - 9.01% of mass 174	3255	7.89	(7.61) [a]	Pass
176	93.0 - 101.0% of mass 174	42989	104.2	(100.6) [a]	Pass
177	5.0 - 9.0% of mass 176	2710	6.57	(6.30) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W821-IC821	3W20778.D	02/15/11	18:24	01:20	Initial cal 0.5
V3W821-IC821	3W20779.D	02/15/11	21:02	03:58	Initial cal 20
V3W821-IC821	3W20780.D	02/15/11	22:21	05:17	Initial cal 0.1
V3W821-IC821	3W20781.D	02/15/11	23:00	05:56	Initial cal 0.04
V3W821-IC821	3W20782.D	02/16/11	00:20	07:16	Initial cal 10
V3W821-IC821	3W20783.D	02/16/11	01:00	07:56	Initial cal 5
V3W821-IC821	3W20784.D	02/16/11	01:44	08:40	Initial cal 40
V3W821-IC821	3W20785.D	02/16/11	02:23	09:19	Initial cal 0.5
V3W821-IC821	3W20786.D	02/16/11	03:02	09:58	Initial cal 0.2
V3W821-IC821	3W20787.D	02/16/11	04:22	11:18	Initial cal 20
V3W821-IC821	3W20788.D	02/16/11	05:06	12:02	Initial cal 40
V3W821-IC821	3W20789.D	02/16/11	07:02	13:58	Initial cal 0.2
V3W821-IC821	3W20790.D	02/16/11	10:32	17:28	Initial cal 5
V3W821-ICC821	3W20791.D	02/16/11	11:55	18:51	Initial cal 10
V3W821-ICV821	3W20792.D	02/16/11	12:49	19:45	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample:	V3W829-BFB	Injection Date:	02/25/11
Lab File ID:	3W21002.D	Injection Time:	06:16
Instrument ID:	GCMS3W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	10379	19.9		Pass
75	30.0 - 66.0% of mass 95	24069	46.2		Pass
95	Base peak, 100% relative abundance	52072	100.0		Pass
96	5.0 - 9.0% of mass 95	3822	7.34		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	48813	93.7		Pass
175	4.0 - 9.01% of mass 174	3841	7.38	(7.87) [a]	Pass
176	93.0 - 101.0% of mass 174	48133	92.4	(98.6) [a]	Pass
177	5.0 - 9.0% of mass 176	3356	6.44	(6.97) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W829-CC821	3W21003.D	02/25/11	06:55	00:39	Continuing cal 10
V3W829-BS	3W21004.D	02/25/11	08:54	02:38	Blank Spike
V3W829-BSD	3W21005.D	02/25/11	09:34	03:18	Blank Spike Duplicate
V3W829-MB	3W21006.D	02/25/11	10:55	04:39	Method Blank
V3W829-SCC	3W21007.D	02/25/11	11:37	05:21	Summa Cleaning Certification
V3W829-SCC	3W21008.D	02/25/11	12:20	06:04	Summa Cleaning Certification
ZZZZZZ	3W21009.D	02/25/11	13:00	06:44	(unrelated sample)
ZZZZZZ	3W21010.D	02/25/11	13:39	07:23	(unrelated sample)
ZZZZZZ	3W21011.D	02/25/11	14:18	08:02	(unrelated sample)
ZZZZZZ	3W21012.D	02/25/11	14:57	08:41	(unrelated sample)
V3W829-SCC	3W21013.D	02/25/11	15:40	09:24	Summa Cleaning Certification
ZZZZZZ	3W21014.D	02/25/11	16:19	10:03	(unrelated sample)
ZZZZZZ	3W21015.D	02/25/11	16:57	10:41	(unrelated sample)
ZZZZZZ	3W21016.D	02/25/11	17:37	11:21	(unrelated sample)
JA68864-8	3W21017.D	02/25/11	18:19	12:03	(used for QC only; not part of job JA69920)
JA68864-8DUP	3W21018.D	02/25/11	19:00	12:44	Duplicate
ZZZZZZ	3W21019.D	02/25/11	19:39	13:23	(unrelated sample)
ZZZZZZ	3W21020.D	02/25/11	20:19	14:03	(unrelated sample)
ZZZZZZ	3W21021.D	02/25/11	21:00	14:44	(unrelated sample)
ZZZZZZ	3W21022.D	02/25/11	21:40	15:24	(unrelated sample)
ZZZZZZ	3W21023.D	02/25/11	22:20	16:04	(unrelated sample)
ZZZZZZ	3W21024.D	02/25/11	23:38	17:22	(unrelated sample)
ZZZZZZ	3W21025.D	02/26/11	00:17	18:01	(unrelated sample)
ZZZZZZ	3W21026.D	02/26/11	00:56	18:40	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample:	V3W829-BFB	Injection Date:	02/25/11
Lab File ID:	3W21002.D	Injection Time:	06:16
Instrument ID:	GCMS3W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	3W21027.D	02/26/11	01:36	19:20	(unrelated sample)
ZZZZZZ	3W21028.D	02/26/11	02:15	19:59	(unrelated sample)
ZZZZZZ	3W21029.D	02/26/11	02:55	20:39	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample:	VW1222-BFB	Injection Date:	01/19/11
Lab File ID:	W29765.D	Injection Time:	17:08
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	10988	21.5		Pass
75	30.0 - 66.0% of mass 95	29461	57.6		Pass
95	Base peak, 100% relative abundance	51162	100.0		Pass
96	5.0 - 9.0% of mass 95	3398	6.64		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	45442	88.8		Pass
175	4.0 - 9.01% of mass 174	4033	7.88	(8.88) [a]	Pass
176	93.0 - 101.0% of mass 174	44442	86.9	(97.8) [a]	Pass
177	5.0 - 9.0% of mass 176	2730	5.34	(6.14) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1222-ICC1222	W29766.D	01/19/11	17:47	00:39	Initial cal 10
VW1222-IC1222	W29770.D	01/19/11	21:46	04:38	Initial cal 20
VW1222-IC1222	W29771.D	01/19/11	22:26	05:18	Initial cal 5
VW1222-IC1222	W29774.D	01/20/11	01:46	08:38	Initial cal 40
VW1222-IC1222	W29775.D	01/20/11	06:34	13:26	Initial cal 0.5
VW1222-IC1222	W29776.D	01/20/11	07:15	14:07	Initial cal 0.2
VW1222-IC1222	W29777.D	01/20/11	11:23	18:15	Initial cal 0.1
VW1222-IC1222	W29778.D	01/20/11	12:02	18:54	Initial cal 0.04

Instrument Performance Check (BFB)

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample:	VW1245-BFB	Injection Date:	02/24/11
Lab File ID:	W30375.D	Injection Time:	08:25
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	5451	23.9		Pass
75	30.0 - 66.0% of mass 95	13500	59.2		Pass
95	Base peak, 100% relative abundance	22805	100.0		Pass
96	5.0 - 9.0% of mass 95	1524	6.68		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	19496	85.5		Pass
175	4.0 - 9.01% of mass 174	1502	6.59	(7.70) [a]	Pass
176	93.0 - 101.0% of mass 174	19050	83.5	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	1365	5.99	(7.17) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1245-CC1222	W30377.D	02/24/11	09:54	01:29	Continuing cal 10
VW1245-BS	W30378.D	02/24/11	10:40	02:15	Blank Spike
VW1245-BSD	W30379.D	02/24/11	11:19	02:54	Blank Spike Duplicate
VW1245-MB	W30380.D	02/24/11	13:22	04:57	Method Blank
ZZZZZZ	W30381.D	02/24/11	14:01	05:36	(unrelated sample)
ZZZZZZ	W30382.D	02/24/11	14:40	06:15	(unrelated sample)
ZZZZZZ	W30383.D	02/24/11	15:20	06:55	(unrelated sample)
ZZZZZZ	W30384.D	02/24/11	16:00	07:35	(unrelated sample)
ZZZZZZ	W30385.D	02/24/11	16:39	08:14	(unrelated sample)
VW1245-SCC	W30386.D	02/24/11	17:59	09:34	Summa Cleaning Certification
JA68333-1	W30387.D	02/24/11	18:40	10:15	(used for QC only; not part of job JA69920)
JA68333-1DUP	W30388.D	02/24/11	19:22	10:57	Duplicate
ZZZZZZ	W30395.D	02/25/11	00:45	16:20	(unrelated sample)
ZZZZZZ	W30396.D	02/25/11	01:26	17:01	(unrelated sample)
ZZZZZZ	W30397.D	02/25/11	02:07	17:42	(unrelated sample)
ZZZZZZ	W30398.D	02/25/11	02:47	18:22	(unrelated sample)
ZZZZZZ	W30399.D	02/25/11	03:28	19:03	(unrelated sample)
ZZZZZZ	W30400.D	02/25/11	04:08	19:43	(unrelated sample)
ZZZZZZ	W30401.D	02/25/11	04:48	20:23	(unrelated sample)
ZZZZZZ	W30402.D	02/25/11	05:29	21:04	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample:	VW1246-BFB	Injection Date:	02/25/11
Lab File ID:	W30404.D	Injection Time:	08:15
Instrument ID:	GCMSW		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	4900	21.1		Pass
75	30.0 - 66.0% of mass 95	13369	57.6		Pass
95	Base peak, 100% relative abundance	23216	100.0		Pass
96	5.0 - 9.0% of mass 95	1505	6.48		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	20312	87.5		Pass
175	4.0 - 9.01% of mass 174	1137	4.90	(5.60) [a]	Pass
176	93.0 - 101.0% of mass 174	19805	85.3	(97.5) [a]	Pass
177	5.0 - 9.0% of mass 176	1199	5.16	(6.05) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1246-CC1222	W30405.D	02/25/11	10:11	01:56	Continuing cal 10
VW1246-BS	W30406.D	02/25/11	10:51	02:36	Blank Spike
VW1246-BSD	W30407.D	02/25/11	12:15	04:00	Blank Spike Duplicate
VW1246-MB	W30408.D	02/25/11	13:46	05:31	Method Blank
ZZZZZZ	W30410.D	02/25/11	15:15	07:00	(unrelated sample)
VW1246-SCC	W30411.D	02/25/11	16:35	08:20	Summa Cleaning Certification
ZZZZZZ	W30412.D	02/25/11	17:15	09:00	(unrelated sample)
ZZZZZZ	W30413.D	02/25/11	17:55	09:40	(unrelated sample)
ZZZZZZ	W30414.D	02/25/11	18:35	10:20	(unrelated sample)
VW1246-SCC	W30415.D	02/25/11	19:55	11:40	Summa Cleaning Certification
JA68937-1	W30416.D	02/25/11	20:35	12:20	(used for QC only; not part of job JA69920)
JA68937-1DUP	W30417.D	02/25/11	21:15	13:00	Duplicate
ZZZZZZ	W30418.D	02/25/11	21:56	13:41	(unrelated sample)
ZZZZZZ	W30419.D	02/25/11	22:36	14:21	(unrelated sample)
ZZZZZZ	W30420.D	02/25/11	23:16	15:01	(unrelated sample)
ZZZZZZ	W30421.D	02/25/11	23:56	15:41	(unrelated sample)
ZZZZZZ	W30422.D	02/26/11	01:15	17:00	(unrelated sample)
ZZZZZZ	W30423.D	02/26/11	01:55	17:40	(unrelated sample)
ZZZZZZ	W30428.D	02/26/11	05:55	21:40	(unrelated sample)
ZZZZZZ	W30430.D	02/26/11	07:54	23:39	(unrelated sample)

Volatile Surrogate Recovery Summary

Job Number: JA69920
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Method: TO-15 Matrix: AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JA69920-1	2W30340.D	104.0
JA69920-1	2W30313.D	120.0
JA69920-2	2W30314.D	104.0
JA69920-3	2W30341.D	102.0
JA69920-3	2W30315.D	107.0
JA69920-4	2W30316.D	105.0
JA69920-5	2W30317.D	110.0
JA69920-6	2W30318.D	109.0
JA69920-7	2W30342.D	105.0
JA69920-8	2W30320.D	103.0
JA70103-26DUP	2W30311.D	108.0
JA70487-2DUP	2W30338.D	121.0
V2W1275-BS	2W30299.D	116.0
V2W1275-BSD	2W30300.D	115.0
V2W1275-MB	2W30301.D	113.0
V2W1276-BS	2W30329.D	118.0
V2W1276-BSD	2W30330.D	116.0
V2W1276-MB	2W30331.D	109.0
V3W829-SCC	3W21013.D	86.0
VW1245-SCC	W30386.D	90.0
VW1246-SCC	W30415.D	96.0
V3W829-BS	3W21004.D	110.0
V3W829-BSD	3W21005.D	109.0
V3W829-MB	3W21006.D	78.0
VW1245-BS	W30378.D	100.0
VW1245-BSD	W30379.D	102.0
VW1245-MB	W30380.D	92.0
VW1246-BS	W30406.D	100.0
VW1246-BSD	W30407.D	102.0
VW1246-MB	W30408.D	95.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

New Jersey ACCUTEST LABORATORIES

06/13/11

Technical Report for

Impact Environmental

West Tremont, 60 177th Street, Bronx, NY

2166-03-03-3002

Accutest Job Number: JA77896

Sampling Date: 06/06/11

Report to:

Impact Environmental
170 Keyland Court
Bohemia, NY 11716

ATTN: James Cressey

Total number of pages in report: **80**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Accutest Laboratories

Sample Summary

Impact Environmental

Job No: JA77896

West Tremont, 60 177th Street, Bronx, NY
Project No: 2166-03-03-3002

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA77896-1	06/06/11	00:00	JC	06/08/11	AIR	Soil Vapor Grab	SG-1
JA77896-2	06/06/11	00:00	JC	06/08/11	AIR	Soil Vapor Grab	SG-2
JA77896-3	06/06/11	00:00	JC	06/08/11	AIR	Soil Vapor Grab	SG-3
JA77896-4	06/06/11	00:00	JC	06/08/11	AIR	Soil Vapor Grab	SG-4
JA77896-5	06/06/11	00:00	JC	06/08/11	AIR	Soil Vapor Grab	SG-5
JA77896-6	06/06/11	00:00	JC	06/08/11	AIR	Ambient Air Grab	AMBIENT

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Impact Environmental	**Job No**	JA77896
Site:	West Tremont, 60 177th Street, Bronx, NY	**Report Date**	6/11/2011 10:37:54 A

On 06/08/2011, 6 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA77896 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix: AIR **Batch ID:** V2W1326

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA77820-4DUP were used as the QC samples indicated.

Matrix: AIR **Batch ID:** V3W903

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA77892-4DUP were used as the QC samples indicated.

Matrix: AIR **Batch ID:** VW1315

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA77737-7DUP were used as the QC samples indicated.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: SG-1
Lab Sample ID: JA77896-1 **Date Sampled:** 06/06/11
Matrix: AIR - Soil Vapor Grab Summa ID: A229 **Date Received:** 06/08/11
Method: TO-15 **Percent Solids:** n/a
Project: West Tremont, 60 177th Street, Bronx, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32219.D	8.15	06/09/11	YMH	n/a	n/a	VW1315
Run #2	2W31545.D	8.15	06/09/11	YMH	n/a	n/a	V2W1326

	Initial Volume
Run #1	200 ml
Run #2	100 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	159	3.3	0.59	ppbv		378	7.8	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	3.3	0.40	ppbv		ND	7.3	ug/m3
71-43-2	78.11	Benzene	1.9	3.3	0.75	ppbv	J	6.1	11	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	3.3	0.49	ppbv		ND	22	ug/m3
75-25-2	252.8	Bromoform	ND	3.3	0.61	ppbv		ND	34	ug/m3
74-83-9	94.94	Bromomethane	ND	3.3	0.60	ppbv		ND	13	ug/m3
593-60-2	106.9	Bromoethene	ND	3.3	0.60	ppbv		ND	14	ug/m3
100-44-7	126	Benzyl Chloride	ND	3.3	0.66	ppbv		ND	17	ug/m3
75-15-0	76.14	Carbon disulfide	ND	3.3	0.53	ppbv		ND	10	ug/m3
108-90-7	112.6	Chlorobenzene	ND	3.3	0.44	ppbv		ND	15	ug/m3
75-00-3	64.52	Chloroethane	ND	3.3	0.64	ppbv		ND	8.7	ug/m3
67-66-3	119.4	Chloroform	ND	3.3	0.45	ppbv		ND	16	ug/m3
74-87-3	50.49	Chloromethane	ND	3.3	0.60	ppbv		ND	6.8	ug/m3
107-05-1	76.53	3-Chloropropene	ND	3.3	0.67	ppbv		ND	10	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	3.3	0.51	ppbv		ND	17	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	3.3	0.64	ppbv		ND	21	ug/m3
110-82-7	84.16	Cyclohexane	1.6	3.3	0.55	ppbv	J	5.5	11	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	3.3	0.46	ppbv		ND	13	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	3.3	0.75	ppbv		ND	13	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	3.3	0.44	ppbv		ND	25	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	3.3	0.71	ppbv		ND	13	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	3.3	0.63	ppbv		ND	15	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	3.3	0.92	ppbv		ND	12	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	3.3	0.61	ppbv		ND	16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	3.3	0.44	ppbv		ND	28	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	3.3	0.54	ppbv		ND	13	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	2.9	3.3	0.62	ppbv	J	11	13	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	3.3	0.69	ppbv		ND	15	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	3.3	0.61	ppbv		ND	20	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	3.3	0.43	ppbv		ND	20	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	3.3	0.41	ppbv		ND	20	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	3.3	0.64	ppbv		ND	15	ug/m3

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SG-1
Lab Sample ID: JA77896-1 **Date Sampled:** 06/06/11
Matrix: AIR - Soil Vapor Grab Summa ID: A229 **Date Received:** 06/08/11
Method: TO-15 **Percent Solids:** n/a
Project: West Tremont, 60 177th Street, Bronx, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	31.8	8.2	1.5	ppbv		59.9	15	ug/m3
100-41-4	106.2	Ethylbenzene	1.9	3.3	0.50	ppbv	J	8.3	14	ug/m3
141-78-6	88	Ethyl Acetate	32.6	3.3	1.0	ppbv		117	12	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	3.3	0.39	ppbv		ND	16	ug/m3
76-13-1	187.4	Freon 113	ND	3.3	0.55	ppbv		ND	25	ug/m3
76-14-2	170.9	Freon 114	ND	3.3	0.50	ppbv		ND	23	ug/m3
142-82-5	100.2	Heptane	ND	3.3	0.54	ppbv		ND	14	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	3.3	0.75	ppbv		ND	35	ug/m3
110-54-3	86.17	Hexane	2.1	3.3	0.72	ppbv	J	7.4	12	ug/m3
591-78-6	100	2-Hexanone	ND	3.3	0.70	ppbv		ND	13	ug/m3
67-63-0	60.1	Isopropyl Alcohol	6.2	3.3	0.95	ppbv		15	8.1	ug/m3
75-09-2	84.94	Methylene chloride	ND	3.3	0.44	ppbv		ND	11	ug/m3
78-93-3	72.11	Methyl ethyl ketone	7.3	3.3	0.78	ppbv		22	9.7	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	3.3	0.59	ppbv		ND	14	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	3.3	0.44	ppbv		ND	12	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	3.3	0.70	ppbv		ND	14	ug/m3
115-07-1	42	Propylene	20.3	8.2	1.1	ppbv		34.9	14	ug/m3
100-42-5	104.1	Styrene	ND	3.3	0.44	ppbv		ND	14	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	3.3	0.36	ppbv		ND	18	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	3.3	0.49	ppbv		ND	23	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	3.3	0.49	ppbv		ND	18	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	3.3	0.83	ppbv		ND	24	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	2.9	3.3	0.39	ppbv	J	14	16	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	3.3	0.46	ppbv		ND	16	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	1.6	3.3	0.46	ppbv	J	7.5	15	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	82.6	3.3	0.52	ppbv		250	10	ug/m3
127-18-4	165.8	Tetrachloroethylene	783 [a]	1.3	0.92	ppbv		5310 [a]	8.8	ug/m3
109-99-9	72.11	Tetrahydrofuran	9.9	3.3	0.76	ppbv		29	9.7	ug/m3
108-88-3	92.14	Toluene	12.3	3.3	0.65	ppbv		46.4	12	ug/m3
79-01-6	131.4	Trichloroethylene	0.90	0.65	0.53	ppbv		4.8	3.5	ug/m3
75-69-4	137.4	Trichlorofluoromethane	2.5	3.3	0.69	ppbv	J	14	19	ug/m3
75-01-4	62.5	Vinyl chloride	ND	3.3	0.52	ppbv		ND	8.4	ug/m3
108-05-4	86	Vinyl Acetate	ND	3.3	0.92	ppbv		ND	12	ug/m3
	106.2	m,p-Xylene	7.1	3.3	0.51	ppbv		31	14	ug/m3
95-47-6	106.2	o-Xylene	2.7	3.3	0.51	ppbv	J	12	14	ug/m3
1330-20-7	106.2	Xylenes (total)	9.8	3.3	0.51	ppbv		43	14	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%	91%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SG-1		
Lab Sample ID:	JA77896-1	**Date Sampled:**	06/06/11
Matrix:	AIR - Soil Vapor Grab Summa ID: A229	**Date Received:**	06/08/11
Method:	TO-15	**Percent Solids:**	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SG-2
Lab Sample ID: JA77896-2 **Date Sampled:** 06/06/11
Matrix: AIR - Soil Vapor Grab Summa ID: A029, A730 **Date Received:** 06/08/11
Method: TO-15 **Percent Solids:** n/a
Project: West Tremont, 60 177th Street, Bronx, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32220.D	8.15	06/09/11	YMH	n/a	n/a	VW1315
Run #2	2W31546.D	163	06/09/11	YMH	n/a	n/a	V2W1326

	Initial Volume
Run #1	40.0 ml
Run #2	80.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	15800 [a]	160	30	ppbv		37500 [a]	380	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	16	2.0	ppbv		ND	35	ug/m3
71-43-2	78.11	Benzene	ND	16	3.7	ppbv		ND	51	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	16	2.4	ppbv		ND	110	ug/m3
75-25-2	252.8	Bromoform	ND	16	3.0	ppbv		ND	170	ug/m3
74-83-9	94.94	Bromomethane	ND	16	3.0	ppbv		ND	62	ug/m3
593-60-2	106.9	Bromoethene	ND	16	3.0	ppbv		ND	70	ug/m3
100-44-7	126	Benzyl Chloride	ND	16	3.3	ppbv		ND	82	ug/m3
75-15-0	76.14	Carbon disulfide	ND	16	2.6	ppbv		ND	50	ug/m3
108-90-7	112.6	Chlorobenzene	ND	16	2.2	ppbv		ND	74	ug/m3
75-00-3	64.52	Chloroethane	ND	16	3.2	ppbv		ND	42	ug/m3
67-66-3	119.4	Chloroform	ND	16	2.3	ppbv		ND	78	ug/m3
74-87-3	50.49	Chloromethane	23.5	16	3.0	ppbv		48.5	33	ug/m3
107-05-1	76.53	3-Chloropropene	ND	16	3.4	ppbv		ND	50	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	16	2.5	ppbv		ND	83	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	16	3.2	ppbv		ND	100	ug/m3
110-82-7	84.16	Cyclohexane	ND	16	2.7	ppbv		ND	55	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	16	2.3	ppbv		ND	65	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	16	3.8	ppbv		ND	63	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	16	2.2	ppbv		ND	120	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	16	3.5	ppbv		ND	65	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	16	3.1	ppbv		ND	74	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	16	4.6	ppbv		ND	58	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	16	3.1	ppbv		ND	79	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	16	2.2	ppbv		ND	140	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	16	2.7	ppbv		ND	63	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	16	3.1	ppbv		ND	63	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	16	3.5	ppbv		ND	73	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	16	3.0	ppbv		ND	96	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	16	2.2	ppbv		ND	96	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	16	2.0	ppbv		ND	96	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	16	3.2	ppbv		ND	73	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SG-2
Lab Sample ID: JA77896-2 **Date Sampled:** 06/06/11
Matrix: AIR - Soil Vapor Grab Summa ID: A029, A730 **Date Received:** 06/08/11
Method: TO-15 **Percent Solids:** n/a
Project: West Tremont, 60 177th Street, Bronx, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	304	41	7.7	ppbv		573	77	ug/m3
100-41-4	106.2	Ethylbenzene	ND	16	2.5	ppbv		ND	69	ug/m3
141-78-6	88	Ethyl Acetate	ND	16	5.0	ppbv		ND	58	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	16	2.0	ppbv		ND	79	ug/m3
76-13-1	187.4	Freon 113	ND	16	2.8	ppbv		ND	120	ug/m3
76-14-2	170.9	Freon 114	ND	16	2.5	ppbv		ND	110	ug/m3
142-82-5	100.2	Heptane	ND	16	2.7	ppbv		ND	66	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	16	3.7	ppbv		ND	170	ug/m3
110-54-3	86.17	Hexane	ND	16	3.6	ppbv		ND	56	ug/m3
591-78-6	100	2-Hexanone	ND	16	3.5	ppbv		ND	65	ug/m3
67-63-0	60.1	Isopropyl Alcohol	108	16	4.8	ppbv		265	39	ug/m3
75-09-2	84.94	Methylene chloride	ND	16	2.2	ppbv		ND	56	ug/m3
78-93-3	72.11	Methyl ethyl ketone	204	16	3.9	ppbv		602	47	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	16	3.0	ppbv		ND	66	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	16	2.2	ppbv		ND	58	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	16	3.5	ppbv		ND	66	ug/m3
115-07-1	42	Propylene	329	41	5.7	ppbv		565	70	ug/m3
100-42-5	104.1	Styrene	ND	16	2.2	ppbv		ND	68	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	16	1.8	ppbv		ND	87	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	16	2.4	ppbv		ND	110	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	16	2.4	ppbv		ND	87	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	16	4.2	ppbv		ND	120	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	16	2.0	ppbv		ND	79	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	16	2.3	ppbv		ND	79	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	16	2.3	ppbv		ND	75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	212	16	2.6	ppbv		643	49	ug/m3
127-18-4	165.8	Tetrachloroethylene	1130	3.3	2.3	ppbv		7660	22	ug/m3
109-99-9	72.11	Tetrahydrofuran	23.1	16	3.8	ppbv		68.1	47	ug/m3
108-88-3	92.14	Toluene	14.7	16	3.3	ppbv	J	55.4	60	ug/m3
79-01-6	131.4	Trichloroethylene	ND	3.3	2.7	ppbv		ND	18	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	16	3.4	ppbv		ND	90	ug/m3
75-01-4	62.5	Vinyl chloride	ND	16	2.6	ppbv		ND	41	ug/m3
108-05-4	86	Vinyl Acetate	ND	16	4.6	ppbv		ND	56	ug/m3
	106.2	m,p-Xylene	13.3	16	2.5	ppbv	J	57.8	69	ug/m3
95-47-6	106.2	o-Xylene	ND	16	2.5	ppbv		ND	69	ug/m3
1330-20-7	106.2	Xylenes (total)	13.3	16	2.5	ppbv	J	57.8	69	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	93%	86%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SG-2		
Lab Sample ID:	JA77896-2	**Date Sampled:**	06/06/11
Matrix:	AIR - Soil Vapor Grab Summa ID: A029, A730	**Date Received:**	06/08/11
Method:	TO-15	**Percent Solids:**	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SG-3
Lab Sample ID: JA77896-3 **Date Sampled:** 06/06/11
Matrix: AIR - Soil Vapor Grab Summa ID: A463, A730 **Date Received:** 06/08/11
Method: TO-15 **Percent Solids:** n/a
Project: West Tremont, 60 177th Street, Bronx, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	W32221.D	10.95	06/09/11	YMH	n/a	n/a	VW1315
Run #2	2W31547.D	219	06/09/11	YMH	n/a	n/a	V2W1326

	Initial Volume
Run #1	40.0 ml
Run #2	80.0 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	29600 [a]	220	40	ppbv		70300 [a]	520	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	22	2.7	ppbv		ND	49	ug/m3
71-43-2	78.11	Benzene	ND	22	5.0	ppbv		ND	70	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	22	3.3	ppbv		ND	150	ug/m3
75-25-2	252.8	Bromoform	ND	22	4.1	ppbv		ND	230	ug/m3
74-83-9	94.94	Bromomethane	ND	22	4.0	ppbv		ND	85	ug/m3
593-60-2	106.9	Bromoethene	ND	22	4.0	ppbv		ND	96	ug/m3
100-44-7	126	Benzyl Chloride	ND	22	4.5	ppbv		ND	110	ug/m3
75-15-0	76.14	Carbon disulfide	ND	22	3.5	ppbv		ND	69	ug/m3
108-90-7	112.6	Chlorobenzene	ND	22	2.9	ppbv		ND	100	ug/m3
75-00-3	64.52	Chloroethane	ND	22	4.3	ppbv		ND	58	ug/m3
67-66-3	119.4	Chloroform	ND	22	3.1	ppbv		ND	110	ug/m3
74-87-3	50.49	Chloromethane	78.5	22	4.0	ppbv		162	45	ug/m3
107-05-1	76.53	3-Chloropropene	ND	22	4.5	ppbv		ND	69	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	22	3.4	ppbv		ND	110	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	22	4.3	ppbv		ND	140	ug/m3
110-82-7	84.16	Cyclohexane	ND	22	3.7	ppbv		ND	76	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	22	3.1	ppbv		ND	89	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	22	5.1	ppbv		ND	87	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	22	3.0	ppbv		ND	170	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	22	4.7	ppbv		ND	89	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	22	4.2	ppbv		ND	100	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	22	6.2	ppbv		ND	79	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	22	4.1	ppbv		ND	110	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	22	2.9	ppbv		ND	190	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	22	3.6	ppbv		ND	87	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	22	4.1	ppbv		ND	87	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	22	4.7	ppbv		ND	100	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	22	4.1	ppbv		ND	130	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	22	2.9	ppbv		ND	130	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	22	2.7	ppbv		ND	130	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	22	4.3	ppbv		ND	100	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SG-3
Lab Sample ID: JA77896-3 **Date Sampled:** 06/06/11
Matrix: AIR - Soil Vapor Grab Summa ID: A463, A730 **Date Received:** 06/08/11
Method: TO-15 **Percent Solids:** n/a
Project: West Tremont, 60 177th Street, Bronx, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	573	55	10	ppbv		1080	100	ug/m3
100-41-4	106.2	Ethylbenzene	ND	22	3.4	ppbv		ND	96	ug/m3
141-78-6	88	Ethyl Acetate	ND	22	6.7	ppbv		ND	79	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	22	2.6	ppbv		ND	110	ug/m3
76-13-1	187.4	Freon 113	ND	22	3.7	ppbv		ND	170	ug/m3
76-14-2	170.9	Freon 114	ND	22	3.4	ppbv		ND	150	ug/m3
142-82-5	100.2	Heptane	ND	22	3.7	ppbv		ND	90	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	22	5.0	ppbv		ND	230	ug/m3
110-54-3	86.17	Hexane	ND	22	4.8	ppbv		ND	78	ug/m3
591-78-6	100	2-Hexanone	ND	22	4.7	ppbv		ND	90	ug/m3
67-63-0	60.1	Isopropyl Alcohol	221	22	6.4	ppbv		543	54	ug/m3
75-09-2	84.94	Methylene chloride	ND	22	3.0	ppbv		ND	76	ug/m3
78-93-3	72.11	Methyl ethyl ketone	126	22	5.2	ppbv		372	65	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	22	4.0	ppbv		ND	90	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	22	3.0	ppbv		ND	79	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	22	4.7	ppbv		ND	90	ug/m3
115-07-1	42	Propylene	880	55	7.6	ppbv		1510	94	ug/m3
100-42-5	104.1	Styrene	ND	22	3.0	ppbv		ND	94	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	22	2.4	ppbv		ND	120	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	22	3.3	ppbv		ND	150	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	22	3.3	ppbv		ND	120	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	22	5.6	ppbv		ND	160	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	22	2.6	ppbv		ND	110	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	22	3.1	ppbv		ND	110	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	22	3.1	ppbv		ND	100	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	174	22	3.5	ppbv		527	67	ug/m3
127-18-4	165.8	Tetrachloroethylene	434	4.4	3.1	ppbv		2940	30	ug/m3
109-99-9	72.11	Tetrahydrofuran	19.3	22	5.1	ppbv	J	56.9	65	ug/m3
108-88-3	92.14	Toluene	15.0	22	4.4	ppbv	J	56.5	83	ug/m3
79-01-6	131.4	Trichloroethylene	ND	4.4	3.6	ppbv		ND	24	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	22	4.6	ppbv		ND	120	ug/m3
75-01-4	62.5	Vinyl chloride	ND	22	3.5	ppbv		ND	56	ug/m3
108-05-4	86	Vinyl Acetate	ND	22	6.2	ppbv		ND	77	ug/m3
	106.2	m,p-Xylene	24.2	22	3.4	ppbv		105	96	ug/m3
95-47-6	106.2	o-Xylene	11.6	22	3.4	ppbv	J	50.4	96	ug/m3
1330-20-7	106.2	Xylenes (total)	35.7	22	3.4	ppbv		155	96	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%	84%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SG-3		
Lab Sample ID:	JA77896-3	**Date Sampled:**	06/06/11
Matrix:	AIR - Soil Vapor Grab Summa ID: A463, A730	**Date Received:**	06/08/11
Method:	TO-15	**Percent Solids:**	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SG-4
Lab Sample ID: JA77896-4 **Date Sampled:** 06/06/11
Matrix: AIR - Soil Vapor Grab Summa ID: A824 **Date Received:** 06/08/11
Method: TO-15 **Percent Solids:** n/a
Project: West Tremont, 60 177th Street, Bronx, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W22883.D	10.95	06/09/11	YXC	n/a	n/a	V3W903
Run #2							

	Initial Volume
Run #1	1100 ml
Run #2	

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	96.9	0.80	0.15	ppbv		230	1.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.097	ppbv		ND	1.8	ug/m3
71-43-2	78.11	Benzene	ND	0.80	0.18	ppbv		ND	2.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.12	ppbv		ND	5.4	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.15	ppbv		ND	8.3	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.15	ppbv		ND	3.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.15	ppbv		ND	3.5	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.16	ppbv		ND	4.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.13	ppbv		ND	2.5	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.11	ppbv		ND	3.7	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.16	ppbv		ND	2.1	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
74-87-3	50.49	Chloromethane	0.79	0.80	0.15	ppbv	J	1.6	1.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.17	ppbv		ND	2.5	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.12	ppbv		ND	4.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.16	ppbv		ND	5.0	ug/m3
110-82-7	84.16	Cyclohexane	0.60	0.80	0.13	ppbv	J	2.1	2.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.11	ppbv		ND	3.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.18	ppbv		ND	3.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.11	ppbv		ND	6.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.17	ppbv		ND	3.2	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.15	ppbv		ND	3.7	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.22	ppbv		ND	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.66	0.80	0.15	ppbv	J	3.3	4.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.11	ppbv		ND	6.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	1.4	0.80	0.15	ppbv		5.6	3.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.17	ppbv		ND	3.6	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.15	ppbv		ND	4.8	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.10	ppbv		ND	4.8	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.16	ppbv		ND	3.6	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SG-4
Lab Sample ID: JA77896-4 **Date Sampled:** 06/06/11
Matrix: AIR - Soil Vapor Grab Summa ID: A824 **Date Received:** 06/08/11
Method: TO-15 **Percent Solids:** n/a
Project: West Tremont, 60 177th Street, Bronx, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	57.1	2.0	0.38	ppbv		108	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.12	ppbv		ND	3.5	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.24	ppbv		ND	2.9	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.096	ppbv		ND	3.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.14	ppbv		ND	6.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.12	ppbv		ND	5.6	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.13	ppbv		ND	3.3	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.18	ppbv		ND	8.5	ug/m3
110-54-3	86.17	Hexane	4.3	0.80	0.18	ppbv		15	2.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.1	0.80	0.23	ppbv		7.6	2.0	ug/m3
75-09-2	84.94	Methylene chloride	2.1	0.80	0.11	ppbv		7.3	2.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	3.7	0.80	0.19	ppbv		11	2.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.14	ppbv		ND	3.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.11	ppbv		ND	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
115-07-1	42	Propylene	10.3	2.0	0.28	ppbv		17.7	3.4	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.11	ppbv		ND	3.4	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.088	ppbv		ND	4.4	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.12	ppbv		ND	5.5	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.12	ppbv		ND	4.4	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.20	ppbv		ND	5.9	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.096	ppbv		ND	3.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.80	0.11	ppbv		ND	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	3.0	0.80	0.13	ppbv		9.1	2.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	10.4	0.16	0.11	ppbv		70.5	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	5.3	0.80	0.19	ppbv		16	2.4	ug/m3
108-88-3	92.14	Toluene	ND	0.80	0.16	ppbv		ND	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.13	ppbv		ND	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	2.2	0.80	0.17	ppbv		12	4.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.13	ppbv		ND	2.0	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.23	ppbv		ND	2.8	ug/m3
	106.2	m,p-Xylene	ND	0.80	0.12	ppbv		ND	3.5	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.12	ppbv		ND	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.80	0.12	ppbv		ND	3.5	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SG-5
Lab Sample ID: JA77896-5 **Date Sampled:** 06/06/11
Matrix: AIR - Soil Vapor Grab Summa ID: A476 **Date Received:** 06/08/11
Method: TO-15 **Percent Solids:** n/a
Project: West Tremont, 60 177th Street, Bronx, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W22882.D	10.95	06/09/11	YXC	n/a	n/a	V3W903
Run #2	W32230.D	10.95	06/09/11	YMH	n/a	n/a	VW1315

	Initial Volume
Run #1	1100 ml
Run #2	200 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	260 [a]	4.4	0.79	ppbv		618 [a]	10	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.097	ppbv		ND	1.8	ug/m3
71-43-2	78.11	Benzene	3.6	0.80	0.18	ppbv		12	2.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.12	ppbv		ND	5.4	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.15	ppbv		ND	8.3	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.15	ppbv		ND	3.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.15	ppbv		ND	3.5	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.16	ppbv		ND	4.1	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.13	ppbv		ND	2.5	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.11	ppbv		ND	3.7	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.16	ppbv		ND	2.1	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.11	ppbv		ND	3.9	ug/m3
74-87-3	50.49	Chloromethane	0.81	0.80	0.15	ppbv		1.7	1.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.17	ppbv		ND	2.5	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.12	ppbv		ND	4.1	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.16	ppbv		ND	5.0	ug/m3
110-82-7	84.16	Cyclohexane	1.6	0.80	0.13	ppbv		5.5	2.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.11	ppbv		ND	3.2	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.18	ppbv		ND	3.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.11	ppbv		ND	6.1	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.17	ppbv		ND	3.2	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.15	ppbv		ND	3.7	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.22	ppbv		ND	2.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.58	0.80	0.15	ppbv	J	2.9	4.0	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.11	ppbv		ND	6.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.15	ppbv		ND	3.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.17	ppbv		ND	3.6	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.15	ppbv		ND	4.8	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.10	ppbv		ND	4.8	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.16	ppbv		ND	3.6	ug/m3

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SG-5
Lab Sample ID: JA77896-5 **Date Sampled:** 06/06/11
Matrix: AIR - Soil Vapor Grab Summa ID: A476 **Date Received:** 06/08/11
Method: TO-15 **Percent Solids:** n/a
Project: West Tremont, 60 177th Street, Bronx, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	40.8	2.0	0.38	ppbv		76.9	3.8	ug/m3
100-41-4	106.2	Ethylbenzene	7.1	0.80	0.12	ppbv		31	3.5	ug/m3
141-78-6	88	Ethyl Acetate	14.4	0.80	0.24	ppbv		51.8	2.9	ug/m3
622-96-8	120.2	4-Ethyltoluene	1.4	0.80	0.096	ppbv		6.9	3.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.14	ppbv		ND	6.1	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.12	ppbv		ND	5.6	ug/m3
142-82-5	100.2	Heptane	2.1	0.80	0.13	ppbv		8.6	3.3	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.18	ppbv		ND	8.5	ug/m3
110-54-3	86.17	Hexane	3.7	0.80	0.18	ppbv		13	2.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
67-63-0	60.1	Isopropyl Alcohol	6.1	0.80	0.23	ppbv		15	2.0	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.80	0.11	ppbv		ND	2.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	25.7	0.80	0.19	ppbv		75.8	2.4	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.14	ppbv		ND	3.3	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	1.5	0.80	0.11	ppbv		5.4	2.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.17	ppbv		ND	3.3	ug/m3
115-07-1	42	Propylene	32.2	2.0	0.28	ppbv		55.3	3.4	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.11	ppbv		ND	3.4	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.088	ppbv		ND	4.4	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.12	ppbv		ND	5.5	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.12	ppbv		ND	4.4	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.20	ppbv		ND	5.9	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	6.2	0.80	0.096	ppbv		30	3.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	1.7	0.80	0.11	ppbv		8.4	3.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	2.4	0.80	0.11	ppbv		11	3.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	42.0	0.80	0.13	ppbv		127	2.4	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.46	0.16	0.11	ppbv		3.1	1.1	ug/m3
109-99-9	72.11	Tetrahydrofuran	12.7	0.80	0.19	ppbv		37.5	2.4	ug/m3
108-88-3	92.14	Toluene	15.0	0.80	0.16	ppbv		56.5	3.0	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.13	ppbv		ND	0.86	ug/m3
75-69-4	137.4	Trichlorofluoromethane	1.8	0.80	0.17	ppbv		10	4.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.13	ppbv		ND	2.0	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.23	ppbv		ND	2.8	ug/m3
	106.2	m,p-Xylene	22.6	0.80	0.12	ppbv		98.2	3.5	ug/m3
95-47-6	106.2	o-Xylene	11.7	0.80	0.12	ppbv		50.8	3.5	ug/m3
1330-20-7	106.2	Xylenes (total)	34.4	0.80	0.12	ppbv		149	3.5	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%	93%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SG-5		
Lab Sample ID:	JA77896-5	**Date Sampled:**	06/06/11
Matrix:	AIR - Soil Vapor Grab Summa ID: A476	**Date Received:**	06/08/11
Method:	TO-15	**Percent Solids:**	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AMBIENT		
Lab Sample ID:	JA77896-6	**Date Sampled:**	06/06/11
Matrix:	AIR - Ambient Air Grab Summa ID: A228	**Date Received:**	06/08/11
Method:	TO-15	**Percent Solids:**	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W22881.D	6.49	06/09/11	YXC	n/a	n/a	V3W903
Run #2	2W31548.D	6.49	06/09/11	YMH	n/a	n/a	V2W1326

	Initial Volume
Run #1	1000 ml
Run #2	200 ml

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	6.9	0.52	0.094	ppbv		16	1.2	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.52	0.063	ppbv		ND	1.2	ug/m3
71-43-2	78.11	Benzene	0.40	0.52	0.12	ppbv	J	1.3	1.7	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.52	0.078	ppbv		ND	3.5	ug/m3
75-25-2	252.8	Bromoform	ND	0.52	0.097	ppbv		ND	5.4	ug/m3
74-83-9	94.94	Bromomethane	ND	0.52	0.096	ppbv		ND	2.0	ug/m3
593-60-2	106.9	Bromoethene	ND	0.52	0.095	ppbv		ND	2.3	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.52	0.11	ppbv		ND	2.7	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.52	0.084	ppbv		ND	1.6	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.52	0.070	ppbv		ND	2.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.52	0.10	ppbv		ND	1.4	ug/m3
67-66-3	119.4	Chloroform	ND	0.52	0.072	ppbv		ND	2.5	ug/m3
74-87-3	50.49	Chloromethane	0.49	0.52	0.096	ppbv	J	1.0	1.1	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.52	0.11	ppbv		ND	1.6	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.52	0.081	ppbv		ND	2.7	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.52	0.10	ppbv		ND	3.3	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.52	0.087	ppbv		ND	1.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.52	0.073	ppbv		ND	2.1	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.52	0.12	ppbv		ND	2.1	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.52	0.071	ppbv		ND	4.0	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.52	0.11	ppbv		ND	2.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.52	0.10	ppbv		ND	2.4	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.52	0.15	ppbv		ND	1.9	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.40	0.52	0.098	ppbv	J	2.0	2.6	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.52	0.070	ppbv		ND	4.4	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.52	0.085	ppbv		ND	2.1	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	0.42	0.52	0.098	ppbv	J	1.7	2.1	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.52	0.11	ppbv		ND	2.4	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.52	0.097	ppbv		ND	3.1	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.52	0.069	ppbv		ND	3.1	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.52	0.065	ppbv		ND	3.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.52	0.10	ppbv		ND	2.4	ug/m3

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: AMBIENT
Lab Sample ID: JA77896-6 **Date Sampled:** 06/06/11
Matrix: AIR - Ambient Air Grab Summa ID: A228 **Date Received:** 06/08/11
Method: TO-15 **Percent Solids:** n/a
Project: West Tremont, 60 177th Street, Bronx, NY

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
64-17-5	46.07	Ethanol	7.5	1.3	0.25	ppbv		14	2.4	ug/m3
100-41-4	106.2	Ethylbenzene	0.29	0.52	0.079	ppbv	J	1.3	2.3	ug/m3
141-78-6	88	Ethyl Acetate	4.4	0.52	0.16	ppbv		16	1.9	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.52	0.063	ppbv		ND	2.6	ug/m3
76-13-1	187.4	Freon 113	ND	0.52	0.088	ppbv		ND	4.0	ug/m3
76-14-2	170.9	Freon 114	ND	0.52	0.080	ppbv		ND	3.6	ug/m3
142-82-5	100.2	Heptane	ND	0.52	0.087	ppbv		ND	2.1	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.52	0.12	ppbv		ND	5.5	ug/m3
110-54-3	86.17	Hexane	0.29	0.52	0.11	ppbv	J	1.0	1.8	ug/m3
591-78-6	100	2-Hexanone	ND	0.52	0.11	ppbv		ND	2.1	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.52	0.15	ppbv		ND	1.3	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.52	0.071	ppbv		ND	1.8	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.75	0.52	0.12	ppbv		2.2	1.5	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.52	0.094	ppbv		ND	2.1	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.52	0.071	ppbv		ND	1.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.52	0.11	ppbv		ND	2.1	ug/m3
115-07-1	42	Propylene	1.3	1.3	0.18	ppbv		2.2	2.2	ug/m3
100-42-5	104.1	Styrene	ND	0.52	0.071	ppbv		ND	2.2	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.52	0.057	ppbv		ND	2.8	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.52	0.078	ppbv		ND	3.6	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.52	0.078	ppbv		ND	2.8	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.52	0.13	ppbv		ND	3.9	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	1.2	0.52	0.062	ppbv		5.9	2.6	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	0.41	0.52	0.073	ppbv	J	2.0	2.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.35	0.52	0.073	ppbv	J	1.6	2.4	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.52	0.083	ppbv		ND	1.6	ug/m3
127-18-4	165.8	Tetrachloroethylene	236 [a]	0.52	0.37	ppbv		1600 [a]	3.5	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.52	0.12	ppbv		ND	1.5	ug/m3
108-88-3	92.14	Toluene	1.4	0.52	0.10	ppbv		5.3	2.0	ug/m3
79-01-6	131.4	Trichloroethylene	0.11	0.10	0.085	ppbv		0.59	0.54	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.31	0.52	0.11	ppbv	J	1.7	2.9	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.52	0.083	ppbv		ND	1.3	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.52	0.15	ppbv		ND	1.8	ug/m3
	106.2	m,p-Xylene	1.0	0.52	0.081	ppbv		4.3	2.3	ug/m3
95-47-6	106.2	o-Xylene	0.36	0.52	0.081	ppbv	J	1.6	2.3	ug/m3
1330-20-7	106.2	Xylenes (total)	1.4	0.52	0.081	ppbv		6.1	2.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%	86%	65-128%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AMBIENT		
Lab Sample ID:	JA77896-6	**Date Sampled:**	06/06/11
Matrix:	AIR - Ambient Air Grab Summa ID: A228	**Date Received:**	06/08/11
Method:	TO-15	**Percent Solids:**	n/a
Project:	West Tremont, 60 177th Street, Bronx, NY		

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log

ACCUTEST LABORATORIES

AIR

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

2235 US Highway 130, Dayton, NJ 08810
Tel: 732.329.0200 Fax: 732.329.3499

FED-EX Tracking #	Bottle Order Control # RB-6/3/2011-8	PAGE 1 OF 1
Lab Quote #	Lab Job # JA77896 + A	

Client / Reporting Information

Company Name: Impact Environmental	Project Name
Address: 120 Keyland Ct	Street: 98 W. Trent
City: Bohemia State: NY Zip: 11716	City: Bronx State: NY
Project Contact: James Cressy E-mail: JCressy@impactenvironmental.com	Project #: 2166-03-03-3002
Phone #: 631-264-8860 Fax #	Client Purchase Order #
Sampler(s) Name(s)	

Weather Parameters

Temperature (Fahrenheit)
Start: Maximum:
Stop: Minimum:

Atmoshpheric Pressure (inches of Hg)
Start: Maximum:
Stop: Minimum:

Other weather comment:

Requested Analysis

TO-15

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24 hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis
-1	SG-3 I	SV	A229	6		06/06/11		>30		JC	06/06/11		18		JC	
-2	SG-[illegible] 2	SV	A025	1				>30		JC					JC	
-3	SG-3	SV	A463	1				>30		JC					JC	
-4	SG-4	SV	A824	↓				>30		JC					JC	
-5	SG-5	SV	A476					>30		JC					JC	
-6		A	A228					>30		JC					JC	

Turnaround Time (Business Days)

Standard - 15 Days
10 Day
5 Day
3 Day
2 Day
1 Day X
Other

Approved By: [signature]
Date: 06/06/2011

Data Deliverable Information

All NJDEP TO-15 is mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other:

Comments / Remarks

Summa

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
Relinquished by Laboratory: 1 [signature]	6/3/11	1 FedEx	2 FedEx		2
Relinquished by: 3	6/8/11 1140	3 [signature]	4 [signature]	6/8/11 1745	4 [signature]
Relinquished by: 5	Date Time:	5	Custody Seal #		

4.1 4

JA77896: Chain of Custody
Page 1 of 3

Job# JA77896
(REQUIRED)

Unused Summa Return Form

Client Impact Office NY
Project Bronx

#Summas 6 #Flow Controllers

Summa#'s A507, A509, A577, A544, A436, A462
-7 -8 -9 -10 -11 -12

Rec'd By [signature] Rec'd Date/Time 6/8/11 1745

Rec'd via courier Chris
(Attach any client paperwork, documentation, or airbills if available)

Notes

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA77896 **Client:**

Date / Time Received: 6/8/2011 **Project:**

No. Coolers: 0 **Airbill #'s:** **Delivery Method:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:			

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA77896: Chain of Custody
Page 3 of 3

Summa Canister and Flow Controller Log

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY
Received: 06/08/11

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A229	6	29.4	06/03/11	TVW	CP4822	3W22631.D	JA77896-1	06/09/11	TVW	26		1	8.15
A029	6	29.4	06/03/11	TVW	CP4822	3W22631.D	JA77896-2	06/09/11	TVW	26		1	8.15
A463	6	29.4	06/03/11	TVW	CP4815	2W31364.D	JA77896-3	06/09/11	TVW	27		1	10.95
A824	6	29.4	06/03/11	TVW	CP4822	3W22631.D	JA77896-4	06/09/11	TVW	27		1	10.95
A476	6	29.4	06/03/11	TVW	CP4815	2W31364.D	JA77896-5	06/09/11	TVW	27		1	10.95
A228	6	29.4	06/03/11	TVW	CP4815	2W31364.D	JA77896-6	06/09/11	TVW	25		1	6.49

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
FC234	05/27/11	TVW	3.4	4	06/09/11	TVW	3.9
FC246	05/27/11	TVW	3.4	4	06/09/11	TVW	3.5
FC389	05/27/11	TVW	3.4	4	06/09/11	TVW	3.6
FC394	05/27/11	TVW	3.4	4	06/09/11	TVW	3.8
FC419	05/27/11	TVW	3.4	4	06/09/11	TVW	3.5
FC436	05/27/11	TVW	3.4	4	06/09/11	TVW	3.6

Accutest Bottle Order(s):
KB-5/27/2011-6
KB-6/3/2011-8

Prep Date	Room Temp(F)	Bar Pres "Hg
06/03/11	65.3	29.91

New Jersey ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W903-MB	3W22875.D	1	06/09/11	YXC	n/a	n/a	V3W903

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-4, JA77896-5, JA77896-6

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.036	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.046	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.037	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.037	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.031	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.038	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.095	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.061	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W903-MB	3W22875.D	1	06/09/11	YXC	n/a	n/a	V3W903

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-4, JA77896-5, JA77896-6

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.059	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.048	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.070	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.051	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.032	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.040	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.042	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.057	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W903-MB	3W22875.D	1	06/09/11	YXC	n/a	n/a	V3W903

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-4, JA77896-5, JA77896-6

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	65-128%

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1315-MB	W32218.D	1	06/09/11	YMH	n/a	n/a	VW1315

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-1, JA77896-2, JA77896-3, JA77896-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.036	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.046	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.037	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.037	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.031	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.038	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.095	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.061	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1315-MB	W32218.D	1	06/09/11	YMH	n/a	n/a	VW1315

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-1, JA77896-2, JA77896-3, JA77896-5

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.059	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.048	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.070	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.051	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.032	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.040	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.042	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.057	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1315-MB	W32218.D	1	06/09/11	YMH	n/a	n/a	VW1315

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-1, JA77896-2, JA77896-3, JA77896-5

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	65-128%

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1326-MB	2W31544.D	1	06/09/11	YMH	n/a	n/a	V2W1326

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-1, JA77896-2, JA77896-3, JA77896-6

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.036	ppbv		ND	0.48	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.028	ppbv		ND	0.27	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	65-128%

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1317-MB	2W31350.D	1	05/23/11	YMH	n/a	n/a	V2W1317

The QC reported here applies to the following samples: **Method:** TO-15

V2W1317-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.036	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.046	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.037	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.037	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.031	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.038	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.095	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.061	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1317-MB	2W31350.D	1	05/23/11	YMH	n/a	n/a	V2W1317

The QC reported here applies to the following samples: **Method:** TO-15

V2W1317-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.059	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.048	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.070	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.051	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.032	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.040	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.042	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.057	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1317-MB	2W31350.D	1	05/23/11	YMH	n/a	n/a	V2W1317

The QC reported here applies to the following samples: **Method:** TO-15

V2W1317-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	65-128%

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W894-MB	3W22626.D	1	05/25/11	YXC	n/a	n/a	V3W894

The QC reported here applies to the following samples: **Method:** TO-15

V3W894-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.036	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.046	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.037	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.037	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.031	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.038	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.095	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.061	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W894-MB	3W22626.D	1	05/25/11	YXC	n/a	n/a	V3W894

The QC reported here applies to the following samples: **Method:** TO-15

V3W894-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.059	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.048	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.070	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.051	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.032	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.040	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.042	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.057	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W894-MB	3W22626.D	1	05/25/11	YXC	n/a	n/a	V3W894

The QC reported here applies to the following samples: **Method:** TO-15

V3W894-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	104%	65-128%

Method Blank Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W900-MB	3W22775.D	1	06/03/11	YXC	n/a	n/a	V3W900

The QC reported here applies to the following samples: **Method:** TO-15

V3W900-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.036	ppbv		ND	0.48	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	91%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W903-BS	3W22873.D	1	06/09/11	YXC	n/a	n/a	V3W903
V3W903-BSD	3W22874.D	1	06/09/11	YXC	n/a	n/a	V3W903

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-4, JA77896-5, JA77896-6

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	7.9	79	8.0	80	1	70-130/30
106-99-0	1,3-Butadiene	10	9.8	98	10.1	101	3	70-130/30
71-43-2	Benzene	10	9.0	90	9.2	92	2	70-130/30
75-27-4	Bromodichloromethane	10	9.5	95	9.5	95	0	70-130/30
75-25-2	Bromoform	10	9.2	92	9.6	96	4	70-130/30
74-83-9	Bromomethane	10	9.2	92	9.4	94	2	70-130/30
593-60-2	Bromoethene	10	9.5	95	9.8	98	3	70-130/30
100-44-7	Benzyl Chloride	10	9.2	92	9.5	95	3	70-130/30
75-15-0	Carbon disulfide	10	9.9	99	10.1	101	2	70-130/30
108-90-7	Chlorobenzene	10	8.9	89	9.1	91	2	70-130/30
75-00-3	Chloroethane	10	10.3	103	10.2	102	1	70-130/30
67-66-3	Chloroform	10	9.9	99	9.7	97	2	70-130/30
74-87-3	Chloromethane	10	9.2	92	9.3	93	1	70-130/30
107-05-1	3-Chloropropene	10	10.1	101	10.3	103	2	70-130/30
95-49-8	2-Chlorotoluene	10	9.4	94	9.7	97	3	70-130/30
56-23-5	Carbon tetrachloride	10	9.6	96	9.8	98	2	70-130/30
110-82-7	Cyclohexane	10	8.9	89	8.7	87	2	70-130/30
75-34-3	1,1-Dichloroethane	10	9.6	96	9.8	98	2	70-130/30
75-35-4	1,1-Dichloroethylene	10	8.8	88	9.0	90	2	70-130/30
106-93-4	1,2-Dibromoethane	10	9.6	96	9.8	98	2	70-130/30
107-06-2	1,2-Dichloroethane	10	9.8	98	9.9	99	1	70-130/30
78-87-5	1,2-Dichloropropane	10	9.5	95	9.6	96	1	70-130/30
123-91-1	1,4-Dioxane	10	9.6	96	9.4	94	2	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.1	91	9.3	93	2	70-130/30
124-48-1	Dibromochloromethane	10	9.0	90	9.3	93	3	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.1	101	10.1	101	0	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	10.1	101	10.3	103	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	9.8	98	9.9	99	1	70-130/30
541-73-1	m-Dichlorobenzene	10	9.3	93	9.9	99	6	70-130/30
95-50-1	o-Dichlorobenzene	10	9.5	95	9.9	99	4	70-130/30
106-46-7	p-Dichlorobenzene	10	9.5	95	10.0	100	5	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	9.5	95	9.8	98	3	70-130/30
64-17-5	Ethanol	10	7.9	79	7.7	77	3	70-130/30
100-41-4	Ethylbenzene	10	8.9	89	9.2	92	3	70-130/30
141-78-6	Ethyl Acetate	10	9.4	94	9.5	95	1	70-130/30
622-96-8	4-Ethyltoluene	10	9.1	91	9.7	97	6	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W903-BS	3W22873.D	1	06/09/11	YXC	n/a	n/a	V3W903
V3W903-BSD	3W22874.D	1	06/09/11	YXC	n/a	n/a	V3W903

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-4, JA77896-5, JA77896-6

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	8.3	83	8.5	85	2	70-130/30
76-14-2	Freon 114	10	8.2	82	8.4	84	2	70-130/30
142-82-5	Heptane	10	9.9	99	9.4	94	5	70-130/30
87-68-3	Hexachlorobutadiene	10	8.6	86	8.8	88	2	70-130/30
110-54-3	Hexane	10	9.9	99	9.8	98	1	70-130/30
591-78-6	2-Hexanone	10	9.6	96	9.5	95	1	70-130/30
67-63-0	Isopropyl Alcohol	10	8.7	87	8.7	87	0	70-130/30
75-09-2	Methylene chloride	10	8.1	81	8.2	82	1	70-130/30
78-93-3	Methyl ethyl ketone	10	9.0	90	9.1	91	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	10.1	101	10.1	101	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	8.1	81	8.3	83	2	70-130/30
80-62-6	Methylmethacrylate	10	8.6	86	8.8	88	2	70-130/30
115-07-1	Propylene	10	8.3	83	8.6	86	4	70-130/30
100-42-5	Styrene	10	8.9	89	9.4	94	5	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.5	95	9.8	98	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	9.5	95	10	100	5	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.5	95	9.6	96	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	8.3	83	8.3	83	0	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	9.5	95	10	100	5	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.0	90	9.4	94	4	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	9.6	96	9.4	94	2	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	9.9	99	9.8	98	1	70-130/30
127-18-4	Tetrachloroethylene	10	8.7	87	8.7	87	0	70-130/30
109-99-9	Tetrahydrofuran	10	8.7	87	9.2	92	6	70-130/30
108-88-3	Toluene	10	9.2	92	9.6	96	4	70-130/30
79-01-6	Trichloroethylene	10	9.4	94	9.3	93	1	70-130/30
75-69-4	Trichlorofluoromethane	10	8.8	88	8.9	89	1	70-130/30
75-01-4	Vinyl chloride	10	10.1	101	10.3	103	2	70-130/30
108-05-4	Vinyl Acetate	10	9.3	93	10.5	105	12	70-130/30
	m,p-Xylene	20	17.4	87	18.7	94	7	70-130/30
95-47-6	o-Xylene	10	8.8	88	9.6	96	9	70-130/30
1330-20-7	Xylenes (total)	30	26.2	87	28.3	94	8	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W903-BS	3W22873.D	1	06/09/11	YXC	n/a	n/a	V3W903
V3W903-BSD	3W22874.D	1	06/09/11	YXC	n/a	n/a	V3W903

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-4, JA77896-5, JA77896-6

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	108%	108%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1315-BS	W32216.D	1	06/09/11	YMH	n/a	n/a	VW1315
VW1315-BSD	W32217.D	1	06/09/11	YMH	n/a	n/a	VW1315

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-1, JA77896-2, JA77896-3, JA77896-5

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	8.6	86	8.9	89	3	70-130/30
106-99-0	1,3-Butadiene	10	9.2	92	9.4	94	2	70-130/30
71-43-2	Benzene	10	9.2	92	9.3	93	1	70-130/30
75-27-4	Bromodichloromethane	10	10.0	100	10.2	102	2	70-130/30
75-25-2	Bromoform	10	11.4	114	11.4	114	0	70-130/30
74-83-9	Bromomethane	10	9.5	95	9.8	98	3	70-130/30
593-60-2	Bromoethene	10	9.9	99	10.3	103	4	70-130/30
100-44-7	Benzyl Chloride	10	11.2	112	11.2	112	0	70-130/30
75-15-0	Carbon disulfide	10	9.7	97	10.0	100	3	70-130/30
108-90-7	Chlorobenzene	10	9.8	98	10	100	2	70-130/30
75-00-3	Chloroethane	10	9.4	94	9.7	97	3	70-130/30
67-66-3	Chloroform	10	9.7	97	10.0	100	3	70-130/30
74-87-3	Chloromethane	10	9.7	97	10.1	101	4	70-130/30
107-05-1	3-Chloropropene	10	9.9	99	10.3	103	4	70-130/30
95-49-8	2-Chlorotoluene	10	10.4	104	10.4	104	0	70-130/30
56-23-5	Carbon tetrachloride	10	10.5	105	10.8	108	3	70-130/30
110-82-7	Cyclohexane	10	9.5	95	9.6	96	1	70-130/30
75-34-3	1,1-Dichloroethane	10	8.7	87	9.0	90	3	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.3	93	9.6	96	3	70-130/30
106-93-4	1,2-Dibromoethane	10	9.8	98	9.8	98	0	70-130/30
107-06-2	1,2-Dichloroethane	10	10.3	103	10.7	107	4	70-130/30
78-87-5	1,2-Dichloropropane	10	8.3	83	8.4	84	1	70-130/30
123-91-1	1,4-Dioxane	10	9.5	95	9.5	95	0	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.6	106	10.8	108	2	70-130/30
124-48-1	Dibromochloromethane	10	10.8	108	10.8	108	0	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.3	93	9.5	95	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	8.9	89	9.1	91	2	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	9.5	95	9.7	97	2	70-130/30
541-73-1	m-Dichlorobenzene	10	10.8	108	11.0	110	2	70-130/30
95-50-1	o-Dichlorobenzene	10	10.7	107	10.7	107	0	70-130/30
106-46-7	p-Dichlorobenzene	10	10.7	107	10.7	107	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10.0	100	10.3	103	3	70-130/30
64-17-5	Ethanol	10	7.8	78	8.2	82	5	70-130/30
100-41-4	Ethylbenzene	10	10.4	104	10.3	103	1	70-130/30
141-78-6	Ethyl Acetate	10	8.7	87	9.0	90	3	70-130/30
622-96-8	4-Ethyltoluene	10	11.1	111	11.1	111	0	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1315-BS	W32216.D	1	06/09/11	YMH	n/a	n/a	VW1315
VW1315-BSD	W32217.D	1	06/09/11	YMH	n/a	n/a	VW1315

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-1, JA77896-2, JA77896-3, JA77896-5

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.3	93	9.5	95	2	70-130/30
76-14-2	Freon 114	10	8.4	84	8.8	88	5	70-130/30
142-82-5	Heptane	10	8.6	86	8.7	87	1	70-130/30
87-68-3	Hexachlorobutadiene	10	11.8	118	11.9	119	1	70-130/30
110-54-3	Hexane	10	8.4	84	8.6	86	2	70-130/30
591-78-6	2-Hexanone	10	8.5	85	8.2	82	4	70-130/30
67-63-0	Isopropyl Alcohol	10	9.0	90	9.3	93	3	70-130/30
75-09-2	Methylene chloride	10	9.4	94	9.6	96	2	70-130/30
78-93-3	Methyl ethyl ketone	10	9.3	93	9.5	95	2	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	9.1	91	9.0	90	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.0	90	9.4	94	4	70-130/30
80-62-6	Methylmethacrylate	10	9.1	91	9.2	92	1	70-130/30
115-07-1	Propylene	10	9.1	91	9.1	91	0	70-130/30
100-42-5	Styrene	10	10.5	105	10.6	106	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.4	104	10.6	106	2	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	9.9	99	9.9	99	0	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.2	92	9.4	94	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	10.2	102	9.5	95	7	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	11.2	112	11.3	113	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	11.1	111	11.1	111	0	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	9.0	90	9.0	90	0	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.2	102	10.4	104	2	70-130/30
127-18-4	Tetrachloroethylene	10	10.1	101	10.0	100	1	70-130/30
109-99-9	Tetrahydrofuran	10	9.1	91	9.5	95	4	70-130/30
108-88-3	Toluene	10	9.4	94	9.6	96	2	70-130/30
79-01-6	Trichloroethylene	10	9.6	96	9.8	98	2	70-130/30
75-69-4	Trichlorofluoromethane	10	11.4	114	11.7	117	3	70-130/30
75-01-4	Vinyl chloride	10	9.5	95	9.7	97	2	70-130/30
108-05-4	Vinyl Acetate	10	9.2	92	9.7	97	5	70-130/30
	m,p-Xylene	20	20.5	103	20.4	102	0	70-130/30
95-47-6	o-Xylene	10	10.1	101	10.2	102	1	70-130/30
1330-20-7	Xylenes (total)	30	30.7	102	30.6	102	0	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW1315-BS	W32216.D	1	06/09/11	YMH	n/a	n/a	VW1315
VW1315-BSD	W32217.D	1	06/09/11	YMH	n/a	n/a	VW1315

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-1, JA77896-2, JA77896-3, JA77896-5

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	104%	102%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1326-BS	2W31542.D	1	06/09/11	YMH	n/a	n/a	V2W1326
V2W1326-BSD	2W31543.D	1	06/09/11	YMH	n/a	n/a	V2W1326

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-1, JA77896-2, JA77896-3, JA77896-6

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	10.8	108	10.6	106	2	70-130/30
127-18-4	Tetrachloroethylene	10	11.1	111	10.8	108	3	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	95%	99%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1317-BS	2W31348.D	1	05/23/11	YMH	n/a	n/a	V2W1317
V2W1317-BSD	2W31349.D	1	05/23/11	YMH	n/a	n/a	V2W1317

The QC reported here applies to the following samples: **Method:** TO-15

V2W1317-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	10.0	100	10.1	101	1	70-130/30
106-99-0	1,3-Butadiene	10	9.5	95	10.1	101	6	70-130/30
71-43-2	Benzene	10	10.3	103	10.7	107	4	70-130/30
75-27-4	Bromodichloromethane	10	9.8	98	10.3	103	5	70-130/30
75-25-2	Bromoform	10	11.3	113	12.0	120	6	70-130/30
74-83-9	Bromomethane	10	11.1	111	12.0	120	8	70-130/30
593-60-2	Bromoethene	10	11.6	116	12.5	125	7	70-130/30
100-44-7	Benzyl Chloride	10	11.4	114	11.8	118	3	70-130/30
75-15-0	Carbon disulfide	10	11.6	116	12.3	123	6	70-130/30
108-90-7	Chlorobenzene	10	11.0	110	11.6	116	5	70-130/30
75-00-3	Chloroethane	10	10.2	102	10.8	108	6	70-130/30
67-66-3	Chloroform	10	10.1	101	10.4	104	3	70-130/30
74-87-3	Chloromethane	10	10.6	106	11.1	111	5	70-130/30
107-05-1	3-Chloropropene	10	11.1	111	11.5	115	4	70-130/30
95-49-8	2-Chlorotoluene	10	11.5	115	11.9	119	3	70-130/30
56-23-5	Carbon tetrachloride	10	9.3	93	9.7	97	4	70-130/30
110-82-7	Cyclohexane	10	10	100	10.5	105	5	70-130/30
75-34-3	1,1-Dichloroethane	10	9.7	97	10.1	101	4	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.7	97	10.4	104	7	70-130/30
106-93-4	1,2-Dibromoethane	10	11.5	115	12.2	122	6	70-130/30
107-06-2	1,2-Dichloroethane	10	10.2	102	10.7	107	5	70-130/30
78-87-5	1,2-Dichloropropane	10	10.1	101	10.5	105	4	70-130/30
123-91-1	1,4-Dioxane	10	10.4	104	10.5	105	1	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.2	102	10.7	107	5	70-130/30
124-48-1	Dibromochloromethane	10	10.8	108	11.4	114	5	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.1	101	10.7	107	6	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	10.4	104	10.7	107	3	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10.7	107	11.2	112	5	70-130/30
541-73-1	m-Dichlorobenzene	10	11.9	119	12.6	126	6	70-130/30
95-50-1	o-Dichlorobenzene	10	11.6	116	12.2	122	5	70-130/30
106-46-7	p-Dichlorobenzene	10	12.0	120	12.7	127	6	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10.0	100	10.5	105	5	70-130/30
64-17-5	Ethanol	10	9.1	91	9.2	92	1	70-130/30
100-41-4	Ethylbenzene	10	11.1	111	11.7	117	5	70-130/30
141-78-6	Ethyl Acetate	10	9.6	96	9.8	98	2	70-130/30
622-96-8	4-Ethyltoluene	10	11.5	115	11.9	119	3	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1317-BS	2W31348.D	1	05/23/11	YMH	n/a	n/a	V2W1317
V2W1317-BSD	2W31349.D	1	05/23/11	YMH	n/a	n/a	V2W1317

The QC reported here applies to the following samples: **Method:** TO-15

V2W1317-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.1	101	10.7	107	6	70-130/30
76-14-2	Freon 114	10	8.8	88	9.4	94	7	70-130/30
142-82-5	Heptane	10	10.6	106	10.5	105	1	70-130/30
87-68-3	Hexachlorobutadiene	10	11.5	115	11.9	119	3	70-130/30
110-54-3	Hexane	10	10.7	107	10.2	102	5	70-130/30
591-78-6	2-Hexanone	10	12.6	126	12.8	128	2	70-130/30
67-63-0	Isopropyl Alcohol	10	11.3	113	11.2	112	1	70-130/30
75-09-2	Methylene chloride	10	10.1	101	10.8	108	7	70-130/30
78-93-3	Methyl ethyl ketone	10	10.4	104	10.6	106	2	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	10.8	108	10.9	109	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.6	96	9.7	97	1	70-130/30
80-62-6	Methylmethacrylate	10	9.8	98	9.7	97	1	70-130/30
115-07-1	Propylene	10	10.0	100	10.4	104	4	70-130/30
100-42-5	Styrene	10	12.1	121	12.8	128	6	70-130/30
71-55-6	1,1,1-Trichloroethane	10	9.4	94	9.8	98	4	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	11.5	115	11.8	118	3	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.9	109	11.4	114	4	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	7.7	77	8.1	81	5	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	11.0	110	11.5	115	4	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	11.3	113	11.7	117	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	11.4	114	10.4	104	9	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	11.5	115	11.5	115	0	70-130/30
127-18-4	Tetrachloroethylene	10	11.0	110	11.7	117	6	70-130/30
109-99-9	Tetrahydrofuran	10	10.1	101	10.2	102	1	70-130/30
108-88-3	Toluene	10	11.2	112	11.5	115	3	70-130/30
79-01-6	Trichloroethylene	10	9.8	98	10.4	104	6	70-130/30
75-69-4	Trichlorofluoromethane	10	10.1	101	10.8	108	7	70-130/30
75-01-4	Vinyl chloride	10	10.8	108	11.4	114	5	70-130/30
108-05-4	Vinyl Acetate	10	10.7	107	11.3	113	5	70-130/30
	m,p-Xylene	20	23.2	116	24.1	121	4	70-130/30
95-47-6	o-Xylene	10	11.1	111	11.6	116	4	70-130/30
1330-20-7	Xylenes (total)	30	34.3	114	35.8	119	4	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1317-BS	2W31348.D	1	05/23/11	YMH	n/a	n/a	V2W1317
V2W1317-BSD	2W31349.D	1	05/23/11	YMH	n/a	n/a	V2W1317

The QC reported here applies to the following samples: **Method:** TO-15

V2W1317-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	99%	99%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W894-BS	3W22624.D	1	05/25/11	YXC	n/a	n/a	V3W894
V3W894-BSD	3W22625.D	1	05/25/11	YXC	n/a	n/a	V3W894

The QC reported here applies to the following samples: **Method:** TO-15

V3W894-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	7.5	75	8.5	85	13	70-130/30
106-99-0	1,3-Butadiene	10	9.9	99	10.3	103	4	70-130/30
71-43-2	Benzene	10	9.3	93	9.6	96	3	70-130/30
75-27-4	Bromodichloromethane	10	10	100	10.0	100	0	70-130/30
75-25-2	Bromoform	10	9.9	99	10.3	103	4	70-130/30
74-83-9	Bromomethane	10	9.3	93	9.7	97	4	70-130/30
593-60-2	Bromoethene	10	9.9	99	10.3	103	4	70-130/30
100-44-7	Benzyl Chloride	10	9.2	92	10.2	102	10	70-130/30
75-15-0	Carbon disulfide	10	10.0	100	10.3	103	3	70-130/30
108-90-7	Chlorobenzene	10	9.1	91	9.3	93	2	70-130/30
75-00-3	Chloroethane	10	10.1	101	10.4	104	3	70-130/30
67-66-3	Chloroform	10	9.8	98	10.2	102	4	70-130/30
74-87-3	Chloromethane	10	8.9	89	9.1	91	2	70-130/30
107-05-1	3-Chloropropene	10	10.3	103	10.9	109	6	70-130/30
95-49-8	2-Chlorotoluene	10	9.4	94	10.2	102	8	70-130/30
56-23-5	Carbon tetrachloride	10	10.1	101	10.4	104	3	70-130/30
110-82-7	Cyclohexane	10	8.7	87	8.8	88	1	70-130/30
75-34-3	1,1-Dichloroethane	10	9.5	95	10	100	5	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.0	90	9.4	94	4	70-130/30
106-93-4	1,2-Dibromoethane	10	10.1	101	10.4	104	3	70-130/30
107-06-2	1,2-Dichloroethane	10	10.2	102	10.8	108	6	70-130/30
78-87-5	1,2-Dichloropropane	10	9.4	94	9.7	97	3	70-130/30
123-91-1	1,4-Dioxane	10	9.5	95	9.7	97	2	70-130/30
75-71-8	Dichlorodifluoromethane	10	9.3	93	9.6	96	3	70-130/30
124-48-1	Dibromochloromethane	10	9.5	95	9.7	97	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.1	101	10.5	105	4	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	10.2	102	10.7	107	5	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10	100	10.4	104	4	70-130/30
541-73-1	m-Dichlorobenzene	10	9.7	97	10.6	106	9	70-130/30
95-50-1	o-Dichlorobenzene	10	9.9	99	11.0	110	11	70-130/30
106-46-7	p-Dichlorobenzene	10	9.9	99	10.8	108	9	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10	100	10.4	104	4	70-130/30
64-17-5	Ethanol	10	7.4	74	7.8	78	5	70-130/30
100-41-4	Ethylbenzene	10	8.8	88	9.7	97	10	70-130/30
141-78-6	Ethyl Acetate	10	8.9	89	9.7	97	9	70-130/30
622-96-8	4-Ethyltoluene	10	9.1	91	10.9	109	18	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W894-BS	3W22624.D	1	05/25/11	YXC	n/a	n/a	V3W894
V3W894-BSD	3W22625.D	1	05/25/11	YXC	n/a	n/a	V3W894

The QC reported here applies to the following samples: **Method:** TO-15

V3W894-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.0	90	9.4	94	4	70-130/30
76-14-2	Freon 114	10	8.4	84	8.7	87	4	70-130/30
142-82-5	Heptane	10	9.0	90	8.9	89	1	70-130/30
87-68-3	Hexachlorobutadiene	10	9.1	91	10.4	104	13	70-130/30
110-54-3	Hexane	10	9.2	92	9.5	95	3	70-130/30
591-78-6	2-Hexanone	10	9.0	90	9.4	94	4	70-130/30
67-63-0	Isopropyl Alcohol	10	8.7	87	8.8	88	1	70-130/30
75-09-2	Methylene chloride	10	8.1	81	8.4	84	4	70-130/30
78-93-3	Methyl ethyl ketone	10	8.7	87	9.5	95	9	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	9.9	99	9.9	99	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	7.9	79	9.0	90	13	70-130/30
80-62-6	Methylmethacrylate	10	8.4	84	8.9	89	6	70-130/30
115-07-1	Propylene	10	7.9	79	8.2	82	4	70-130/30
100-42-5	Styrene	10	9.1	91	10.0	100	9	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.1	101	10.6	106	5	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	9.3	93	10.4	104	11	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.9	99	10.2	102	3	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	8.4	84	8.2	82	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	9.5	95	11.0	110	15	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.1	91	10.7	107	16	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	9.3	93	9.3	93	0	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.2	102	10.3	103	1	70-130/30
127-18-4	Tetrachloroethylene	10	9.4	94	9.1	91	3	70-130/30
109-99-9	Tetrahydrofuran	10	8.2	82	9.5	95	15	70-130/30
108-88-3	Toluene	10	9.7	97	10.3	103	6	70-130/30
79-01-6	Trichloroethylene	10	9.6	96	9.6	96	0	70-130/30
75-69-4	Trichlorofluoromethane	10	9.4	94	9.8	98	4	70-130/30
75-01-4	Vinyl chloride	10	9.9	99	10.2	102	3	70-130/30
108-05-4	Vinyl Acetate	10	9.1	91	11.4	114	22	70-130/30
	m,p-Xylene	20	17.1	86	19.3	97	12	70-130/30
95-47-6	o-Xylene	10	8.8	88	10	100	13	70-130/30
1330-20-7	Xylenes (total)	30	25.9	86	29.2	97	12	70-130/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W894-BS	3W22624.D	1	05/25/11	YXC	n/a	n/a	V3W894
V3W894-BSD	3W22625.D	1	05/25/11	YXC	n/a	n/a	V3W894

The QC reported here applies to the following samples: **Method:** TO-15

V3W894-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	111%	115%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W900-BS	3W22773.D	1	06/03/11	YXC	n/a	n/a	V3W900
V3W900-BSD	3W22774.D	1	06/03/11	YXC	n/a	n/a	V3W900

The QC reported here applies to the following samples: **Method:** TO-15

V3W900-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	10	7.8	78	7.9	79	1	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	112%	113%	65-128%

Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA77892-4DUP	3W22880.D	1	06/09/11	YXC	n/a	n/a	V3W903
JA77892-4	3W22879.D	1	06/09/11	YXC	n/a	n/a	V3W903

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-4, JA77896-5, JA77896-6

CAS No.	Compound	JA77892-4 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	10.8		10.9		1	27
106-99-0	1,3-Butadiene	ND		ND		nc	20
71-43-2	Benzene	0.38		0.38		0	17
75-27-4	Bromodichloromethane	ND		ND		nc	20
75-25-2	Bromoform	ND		ND		nc	20
74-83-9	Bromomethane	ND		ND		nc	20
593-60-2	Bromoethene	ND		ND		nc	30
100-44-7	Benzyl Chloride	ND		ND		nc	20
75-15-0	Carbon disulfide	ND		ND		nc	11
108-90-7	Chlorobenzene	ND		ND		nc	20
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	0.81		0.80		1	12
74-87-3	Chloromethane	0.59		0.62		5	22
107-05-1	3-Chloropropene	ND		ND		nc	10
95-49-8	2-Chlorotoluene	ND		ND		nc	20
56-23-5	Carbon tetrachloride	ND		ND		nc	10
110-82-7	Cyclohexane	0.47		0.43		9	12
75-34-3	1,1-Dichloroethane	ND		ND		nc	20
75-35-4	1,1-Dichloroethylene	ND		ND		nc	20
106-93-4	1,2-Dibromoethane	ND		ND		nc	20
107-06-2	1,2-Dichloroethane	ND		ND		nc	20
78-87-5	1,2-Dichloropropane	ND		ND		nc	20
123-91-1	1,4-Dioxane	ND		ND		nc	20
75-71-8	Dichlorodifluoromethane	0.47		0.48		2	22
124-48-1	Dibromochloromethane	ND		ND		nc	20
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	20
541-73-1	m-Dichlorobenzene	ND		ND		nc	20
95-50-1	o-Dichlorobenzene	ND		ND		nc	10
106-46-7	p-Dichlorobenzene	ND		ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	20
64-17-5	Ethanol	46.8	E	45.5	E	3	33
100-41-4	Ethylbenzene	0.12	J	0.12	J	0	15
141-78-6	Ethyl Acetate	3.4		3.4		0	20
622-96-8	4-Ethyltoluene	ND		ND		nc	13

Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA77892-4DUP	3W22880.D	1	06/09/11	YXC	n/a	n/a	V3W903
JA77892-4	3W22879.D	1	06/09/11	YXC	n/a	n/a	V3W903

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-4, JA77896-5, JA77896-6

CAS No.	Compound	JA77892-4 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	10
76-14-2	Freon 114	ND		ND		nc	20
142-82-5	Heptane	0.40		0.42		5	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	20
110-54-3	Hexane	0.76		0.78		3	17
591-78-6	2-Hexanone	ND		ND		nc	20
67-63-0	Isopropyl Alcohol	2.4		2.5		4	26
75-09-2	Methylene chloride	0.32		0.39		20	26
78-93-3	Methyl ethyl ketone	0.79		0.87		10	21
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	20
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	20
80-62-6	Methylmethacrylate	0.53		0.52		2	20
115-07-1	Propylene	ND		ND		nc	16
100-42-5	Styrene	0.12	J	0.11	J	9	11
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	20
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	20
95-63-6	1,2,4-Trimethylbenzene	0.20		0.19	J	5	19
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	13
540-84-1	2,2,4-Trimethylpentane	0.24		0.25		4	18
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	21
127-18-4	Tetrachloroethylene	0.045		0.048		6	17
109-99-9	Tetrahydrofuran	0.15	J	0.15	J	0	20
108-88-3	Toluene	0.76		0.77		1	20
79-01-6	Trichloroethylene	ND		ND		nc	13
75-69-4	Trichlorofluoromethane	0.83		0.95		13	21
75-01-4	Vinyl chloride	ND		ND		nc	20
108-05-4	Vinyl Acetate	ND		ND		nc	20
	m,p-Xylene	0.40		0.40		0	26
95-47-6	o-Xylene	0.13	J	0.13	J	0	20
1330-20-7	Xylenes (total)	0.54		0.53		2	26

Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA77892-4DUP	3W22880.D	1	06/09/11	YXC	n/a	n/a	V3W903
JA77892-4	3W22879.D	1	06/09/11	YXC	n/a	n/a	V3W903

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-4, JA77896-5, JA77896-6

CAS No.	Surrogate Recoveries	DUP	JA77892-4	Limits
460-00-4	4-Bromofluorobenzene	100%	100%	65-128%

Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA77737-7DUP	W32224.D	1.45	06/09/11	YMH	n/a	n/a	VW1315
JA77737-7	W32223.D	1.45	06/09/11	YMH	n/a	n/a	VW1315

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-1, JA77896-2, JA77896-3, JA77896-5

CAS No.	Compound	JA77737-7 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	12.6		12.4		2	27
106-99-0	1,3-Butadiene	ND		ND		nc	20
71-43-2	Benzene	0.38		0.38		0	17
75-27-4	Bromodichloromethane	ND		ND		nc	20
75-25-2	Bromoform	ND		ND		nc	20
74-83-9	Bromomethane	ND		ND		nc	20
593-60-2	Bromoethene	ND		ND		nc	30
100-44-7	Benzyl Chloride	ND		ND		nc	20
75-15-0	Carbon disulfide	ND		ND		nc	11
108-90-7	Chlorobenzene	ND		ND		nc	20
75-00-3	Chloroethane	ND		ND		nc	20
67-66-3	Chloroform	ND		ND		nc	12
74-87-3	Chloromethane	0.68		0.62		9	22
107-05-1	3-Chloropropene	ND		ND		nc	10
95-49-8	2-Chlorotoluene	ND		ND		nc	20
56-23-5	Carbon tetrachloride	ND		ND		nc	10
110-82-7	Cyclohexane	ND		ND		nc	12
75-34-3	1,1-Dichloroethane	ND		ND		nc	20
75-35-4	1,1-Dichloroethylene	ND		ND		nc	20
106-93-4	1,2-Dibromoethane	ND		ND		nc	20
107-06-2	1,2-Dichloroethane	ND		ND		nc	20
78-87-5	1,2-Dichloropropane	ND		ND		nc	20
123-91-1	1,4-Dioxane	ND		ND		nc	20
75-71-8	Dichlorodifluoromethane	0.56		0.56		0	22
124-48-1	Dibromochloromethane	ND		ND		nc	20
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	10
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	20
541-73-1	m-Dichlorobenzene	ND		ND		nc	20
95-50-1	o-Dichlorobenzene	ND		ND		nc	10
106-46-7	p-Dichlorobenzene	ND		ND		nc	20
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	20
64-17-5	Ethanol	8.9		8.8		1	33
100-41-4	Ethylbenzene	0.19	J	0.20		5	15
141-78-6	Ethyl Acetate	3.9		4.0		3	20
622-96-8	4-Ethyltoluene	ND		ND		nc	13

Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA77737-7DUP	W32224.D	1.45	06/09/11	YMH	n/a	n/a	VW1315
JA77737-7	W32223.D	1.45	06/09/11	YMH	n/a	n/a	VW1315

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-1, JA77896-2, JA77896-3, JA77896-5

CAS No.	Compound	JA77737-7 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	0.14	J	0.14	J	0	10
76-14-2	Freon 114	ND		ND		nc	20
142-82-5	Heptane	0.17	J	0.18	J	6	20
87-68-3	Hexachlorobutadiene	ND		ND		nc	20
110-54-3	Hexane	0.37		0.38		3	17
591-78-6	2-Hexanone	0.14	J	0.14	J	0	20
67-63-0	Isopropyl Alcohol	1.5		1.4		7	26
75-09-2	Methylene chloride	0.25		0.25		0	26
78-93-3	Methyl ethyl ketone	2.7		2.7		0	21
108-10-1	Methyl Isobutyl Ketone	0.43		0.42		2	20
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	20
80-62-6	Methylmethacrylate	ND		ND		nc	20
115-07-1	Propylene	1.5		1.5		0	16
100-42-5	Styrene	ND		ND		nc	11
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	20
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	20
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	20
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	20
95-63-6	1,2,4-Trimethylbenzene	0.28		0.28		0	19
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	13
540-84-1	2,2,4-Trimethylpentane	0.23		0.24		4	18
75-65-0	Tertiary Butyl Alcohol	0.20		0.17	J	16	21
127-18-4	Tetrachloroethylene	0.19		0.19		0	17
109-99-9	Tetrahydrofuran	ND		ND		nc	20
108-88-3	Toluene	1.2		1.2		0	20
79-01-6	Trichloroethylene	ND		ND		nc	13
75-69-4	Trichlorofluoromethane	0.33		0.35		6	21
75-01-4	Vinyl chloride	ND		ND		nc	20
108-05-4	Vinyl Acetate	ND		ND		nc	20
	m,p-Xylene	0.62		0.67		8	26
95-47-6	o-Xylene	0.24		0.24		0	20
1330-20-7	Xylenes (total)	0.86		0.91		6	26

Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA77737-7DUP	W32224.D	1.45	06/09/11	YMH	n/a	n/a	VW1315
JA77737-7	W32223.D	1.45	06/09/11	YMH	n/a	n/a	VW1315

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-1, JA77896-2, JA77896-3, JA77896-5

CAS No.	Surrogate Recoveries	DUP	JA77737-7	Limits
460-00-4	4-Bromofluorobenzene	94%	95%	65-128%

Duplicate Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JA77820-4DUP	2W31551.D	133	06/09/11	YMH	n/a	n/a	V2W1326
JA77820-4	2W31550.D	133	06/09/11	YMH	n/a	n/a	V2W1326
JA77820-4	2W31552.D	133	06/09/11	YMH	n/a	n/a	V2W1326

The QC reported here applies to the following samples: **Method:** TO-15

JA77896-1, JA77896-2, JA77896-3, JA77896-6

CAS No.	Compound	JA77820-4 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	ND		ND		nc	27
127-18-4	Tetrachloroethylene	25000 [a]		27900	E	11	17

CAS No.	Surrogate Recoveries	DUP	JA77820-4	JA77820-4	Limits
460-00-4	4-Bromofluorobenzene	81%	81%	79%	65-128%

(a) Result is from Run #2.

Summa Cleaning Certification

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1317-SCC	2W31364.D	1	05/23/11	YMH	n/a	n/a	V2W1317

The QC reported here (Summa A833) applies to the following samples: **Method:** TO-15

Batch CP4815 cleaned 05/19/11: JA77896-3(A463), JA77896-5(A476), JA77896-6(A228)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.036	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.046	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.037	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.037	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.031	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.038	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.095	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.061	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1317-SCC	2W31364.D	1	05/23/11	YMH	n/a	n/a	V2W1317

The QC reported here (Summa A833) applies to the following samples: **Method:** TO-15

Batch CP4815 cleaned 05/19/11: JA77896-3(A463), JA77896-5(A476), JA77896-6(A228)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.059	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.048	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.070	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.051	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.032	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.040	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.042	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.057	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W1317-SCC	2W31364.D	1	05/23/11	YMH	n/a	n/a	V2W1317

The QC reported here (Summa A833) applies to the following samples: **Method:** TO-15

Batch CP4815 cleaned 05/19/11: JA77896-3(A463), JA77896-5(A476), JA77896-6(A228)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	68%	65-128%

Summa Cleaning Certification

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W894-SCC	3W22631.D	1	05/25/11	YXC	n/a	n/a	V3W894

The QC reported here (Summa A456) applies to the following samples: **Method:** TO-15

Batch CP4822 cleaned 05/23/11: JA77896-1(A229), JA77896-2(A029), JA77896-4(A824)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.036	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.024	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.046	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.037	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.037	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.037	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.041	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.032	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.027	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.039	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.037	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.041	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.031	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.034	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.028	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.046	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.20	0.027	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.043	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.038	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.056	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.038	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.027	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.033	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.038	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.043	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.037	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.027	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.025	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.039	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.095	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.061	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W894-SCC	3W22631.D	1	05/25/11	YXC	n/a	n/a	V3W894

The QC reported here (Summa A456) applies to the following samples: **Method:** TO-15

Batch CP4822 cleaned 05/23/11: JA77896-1(A229), JA77896-2(A029), JA77896-4(A824)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.034	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.031	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.033	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.046	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.044	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.059	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.027	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.048	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.036	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.027	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.043	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.070	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.027	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.022	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.030	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.030	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.051	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.024	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.028	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.028	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.032	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.028	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.047	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.040	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.033	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.042	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.032	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.057	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.031	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.031	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W894-SCC	3W22631.D	1	05/25/11	YXC	n/a	n/a	V3W894

The QC reported here (Summa A456) applies to the following samples: **Method:** TO-15

Batch CP4822 cleaned 05/23/11: JA77896-1(A229), JA77896-2(A029), JA77896-4(A824)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	92%	65-128%

Summa Cleaning Certification

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W900-SCC	3W22782.D	1	06/03/11	YXC	n/a	n/a	V3W900

The QC reported here (Summa A613) applies to the following samples: **Method:** TO-15

Batch CP4835 cleaned 06/01/11: JA77896-2(A730), JA77896-3(A730)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.20	0.036	ppbv		ND	0.48	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	65-128%

Instrument Performance Check (BFB)

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample: V2W1306-BFB
Lab File ID: 2W31077.D
Instrument ID: GCMS2W
Injection Date: 05/05/11
Injection Time: 21:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	10074	19.1		Pass
75	30.0 - 66.0% of mass 95	26363	50.1		Pass
95	Base peak, 100% relative abundance	52613	100.0		Pass
96	5.0 - 9.0% of mass 95	3550	6.75		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	38192	72.6		Pass
175	4.0 - 9.01% of mass 174	3081	5.86	(8.07) [a]	Pass
176	93.0 - 101.0% of mass 174	36776	69.9	(96.3) [a]	Pass
177	5.0 - 9.0% of mass 176	2499	4.75	(6.80) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1306-IC1306	2W31078.D	05/05/11	22:04	00:40	Initial cal 15
V2W1306-IC1306	2W31080.D	05/05/11	23:21	01:57	Initial cal 0.2
V2W1306-ICC1306	2W31081.D	05/06/11	00:00	02:36	Initial cal 10
V2W1306-IC1306	2W31082.D	05/06/11	00:39	03:15	Initial cal 0.5
V2W1306-IC1306	2W31083.D	05/06/11	01:19	03:55	Initial cal 20
V2W1306-IC1306	2W31084.D	05/06/11	01:58	04:34	Initial cal 5.0
V2W1306-IC1306	2W31085.D	05/06/11	02:37	05:13	Initial cal 0.1
V2W1306-IC1306	2W31086.D	05/06/11	03:15	05:51	Initial cal 0.04
V2W1306-IC1306	2W31087.D	05/06/11	03:58	06:34	Initial cal 40
V2W1306-ICV1306	2W31090.D	05/06/11	05:55	08:31	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample: V2W1317-BFB
Lab File ID: 2W31345.D
Instrument ID: GCMS2W
Injection Date: 05/23/11
Injection Time: 09:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	9444	18.5		Pass
75	30.0 - 66.0% of mass 95	24632	48.2		Pass
95	Base peak, 100% relative abundance	51131	100.0		Pass
96	5.0 - 9.0% of mass 95	3584	7.01		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	37928	74.2		Pass
175	4.0 - 9.01% of mass 174	2665	5.21	(7.03) [a]	Pass
176	93.0 - 101.0% of mass 174	36763	71.9	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	2399	4.69	(6.53) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1317-CC1306	2W31347.D	05/23/11	10:56	01:54	Continuing cal 10
V2W1317-BS	2W31348.D	05/23/11	11:40	02:38	Blank Spike
V2W1317-BSD	2W31349.D	05/23/11	12:29	03:27	Blank Spike Duplicate
V2W1317-MB	2W31350.D	05/23/11	13:56	04:54	Method Blank
ZZZZZZ	2W31351.D	05/23/11	14:40	05:38	(unrelated sample)
ZZZZZZ	2W31352.D	05/23/11	15:25	06:23	(unrelated sample)
V2W1317-SCC	2W31353.D	05/23/11	16:07	07:05	Summa Cleaning Certification
ZZZZZZ	2W31354.D	05/23/11	16:46	07:44	(unrelated sample)
ZZZZZZ	2W31355.D	05/23/11	17:24	08:22	(unrelated sample)
ZZZZZZ	2W31356.D	05/23/11	18:03	09:01	(unrelated sample)
JA76466-1	2W31357.D	05/23/11	18:41	09:39	(used for QC only; not part of job JA77896)
JA76466-1DUP	2W31358.D	05/23/11	19:20	10:18	Duplicate
ZZZZZZ	2W31359.D	05/23/11	19:59	10:57	(unrelated sample)
ZZZZZZ	2W31360.D	05/23/11	20:38	11:36	(unrelated sample)
ZZZZZZ	2W31361.D	05/23/11	21:17	12:15	(unrelated sample)
ZZZZZZ	2W31362.D	05/23/11	21:56	12:54	(unrelated sample)
ZZZZZZ	2W31363.D	05/23/11	22:34	13:32	(unrelated sample)
V2W1317-SCC	2W31364.D	05/23/11	23:16	14:14	Summa Cleaning Certification
ZZZZZZ	2W31365.D	05/23/11	23:55	14:53	(unrelated sample)
ZZZZZZ	2W31366.D	05/24/11	00:33	15:31	(unrelated sample)
ZZZZZZ	2W31367.D	05/24/11	01:12	16:10	(unrelated sample)
ZZZZZZ	2W31368.D	05/24/11	01:51	16:49	(unrelated sample)
ZZZZZZ	2W31369.D	05/24/11	02:30	17:28	(unrelated sample)
ZZZZZZ	2W31370.D	05/24/11	03:11	18:09	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample: V2W1326-BFB
Lab File ID: 2W31539.D
Instrument ID: GCMS2W
Injection Date: 06/09/11
Injection Time: 08:57

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	8245	23.2		Pass
75	30.0 - 66.0% of mass 95	20299	57.0		Pass
95	Base peak, 100% relative abundance	35592	100.0		Pass
96	5.0 - 9.0% of mass 95	2474	6.95		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	26971	75.8		Pass
175	4.0 - 9.01% of mass 174	2288	6.43	(8.48) [a]	Pass
176	93.0 - 101.0% of mass 174	26056	73.2	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	1717	4.82	(6.59) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W1326-CC1306	2W31541.D	06/09/11	11:49	02:52	Continuing cal 10
V2W1326-BS	2W31542.D	06/09/11	12:32	03:35	Blank Spike
V2W1326-BSD	2W31543.D	06/09/11	13:12	04:15	Blank Spike Duplicate
V2W1326-MB	2W31544.D	06/09/11	15:42	06:45	Method Blank
JA77896-1	2W31545.D	06/09/11	16:30	07:33	SG-1
JA77896-2	2W31546.D	06/09/11	17:10	08:13	SG-2
JA77896-3	2W31547.D	06/09/11	17:50	08:53	SG-3
JA77896-6	2W31548.D	06/09/11	18:31	09:34	AMBIENT
V2W1326-SCC	2W31549.D	06/09/11	19:12	10:15	Summa Cleaning Certification
JA77820-4	2W31550.D	06/09/11	19:52	10:55	(used for QC only; not part of job JA77896)
JA77820-4DUP	2W31551.D	06/09/11	20:31	11:34	Duplicate
JA77820-4	2W31552.D	06/09/11	21:10	12:13	(used for QC only; not part of job JA77896)
ZZZZZZ	2W31553.D	06/09/11	22:29	13:32	(unrelated sample)
ZZZZZZ	2W31554.D	06/09/11	23:07	14:10	(unrelated sample)
ZZZZZZ	2W31555.D	06/09/11	23:46	14:49	(unrelated sample)
ZZZZZZ	2W31556.D	06/10/11	00:25	15:28	(unrelated sample)
V2W1326-SCC	2W31557.D	06/10/11	01:06	16:09	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample: V3W886-BFB
Lab File ID: 3W22414.D
Instrument ID: GCMS3W
Injection Date: 05/13/11
Injection Time: 09:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	6263	18.4		Pass
75	30.0 - 66.0% of mass 95	15734	46.1		Pass
95	Base peak, 100% relative abundance	34112	100.0		Pass
96	5.0 - 9.0% of mass 95	2481	7.27		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	31432	92.1		Pass
175	4.0 - 9.01% of mass 174	2371	6.95	(7.54) [a]	Pass
176	93.0 - 101.0% of mass 174	30914	90.6	(98.4) [a]	Pass
177	5.0 - 9.0% of mass 176	2014	5.90	(6.51) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W886-IC886	3W22416.D	05/13/11	10:33	01:20	Initial cal 5
V3W886-IC886	3W22418.D	05/13/11	12:34	03:21	Initial cal 20
V3W886-ICC886	3W22419.D	05/13/11	13:14	04:01	Initial cal 10
V3W886-IC886	3W22420.D	05/13/11	13:57	04:44	Initial cal 1
V3W886-IC886	3W22421.D	05/13/11	14:37	05:24	Initial cal 0.2
V3W886-IC886	3W22422.D	05/13/11	15:57	06:44	Initial cal 0.04
ZZZZZZ	3W22422M.D	05/13/11	15:57	06:44	(unrelated sample)
V3W886-IC886	3W22423.D	05/13/11	16:38	07:25	Initial cal 0.1
ZZZZZZ	3W22423M.D	05/13/11	16:38	07:25	(unrelated sample)
V3W886-IC886	3W22424.D	05/13/11	17:20	08:07	Initial cal 40
V3W886-IC886	3W22425.D	05/13/11	19:21	10:08	Initial cal 0.5
V3W886-ICV886	3W22426.D	05/14/11	00:01	14:48	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample: V3W894-BFB
Lab File ID: 3W22622.D
Instrument ID: GCMS3W
Injection Date: 05/25/11
Injection Time: 08:20

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	7466	19.7		Pass
75	30.0 - 66.0% of mass 95	18213	48.0		Pass
95	Base peak, 100% relative abundance	37914	100.0		Pass
96	5.0 - 9.0% of mass 95	2936	7.74		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	34245	90.3		Pass
175	4.0 - 9.01% of mass 174	2749	7.25	(8.03) [a]	Pass
176	93.0 - 101.0% of mass 174	33013	87.1	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	2342	6.18	(7.09) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W894-CC886	3W22623.D	05/25/11	09:40	01:20	Continuing cal 10
V3W894-BS	3W22624.D	05/25/11	10:20	02:00	Blank Spike
V3W894-BSD	3W22625.D	05/25/11	11:00	02:40	Blank Spike Duplicate
V3W894-MB	3W22626.D	05/25/11	12:23	04:03	Method Blank
ZZZZZZ	3W22627.D	05/25/11	13:06	04:46	(unrelated sample)
ZZZZZZ	3W22630.D	05/25/11	15:15	06:55	(unrelated sample)
V3W894-SCC	3W22631.D	05/25/11	15:57	07:37	Summa Cleaning Certification
ZZZZZZ	3W22632.D	05/25/11	16:40	08:20	(unrelated sample)
ZZZZZZ	3W22633.D	05/25/11	17:22	09:02	(unrelated sample)
JA76701-2	3W22634.D	05/25/11	18:05	09:45	(used for QC only; not part of job JA77896)
JA76701-2DUP	3W22635.D	05/25/11	18:49	10:29	Duplicate
ZZZZZZ	3W22636.D	05/25/11	19:31	11:11	(unrelated sample)
ZZZZZZ	3W22637.D	05/25/11	20:12	11:52	(unrelated sample)
ZZZZZZ	3W22638.D	05/25/11	20:54	12:34	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample: V3W900-BFB
Lab File ID: 3W22771.D
Instrument ID: GCMS3W
Injection Date: 06/03/11
Injection Time: 08:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	5602	20.4		Pass
75	30.0 - 66.0% of mass 95	14126	51.5		Pass
95	Base peak, 100% relative abundance	27434	100.0		Pass
96	5.0 - 9.0% of mass 95	1873	6.83		Pass
173	Less than 2.0% of mass 174	219	0.80	(0.86) [a]	Pass
174	50.0 - 120.0% of mass 95	25373	92.5		Pass
175	4.0 - 9.01% of mass 174	2097	7.64	(8.26) [a]	Pass
176	93.0 - 101.0% of mass 174	24490	89.3	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	1681	6.13	(6.86) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W900-CC886	3W22772.D	06/03/11	09:20	00:40	Continuing cal 10
V3W900-BS	3W22773.D	06/03/11	10:00	01:20	Blank Spike
V3W900-BSD	3W22774.D	06/03/11	10:41	02:01	Blank Spike Duplicate
V3W900-MB	3W22775.D	06/03/11	12:04	03:24	Method Blank
V3W900-SCC	3W22776.D	06/03/11	12:46	04:06	Summa Cleaning Certification
ZZZZZZ	3W22777.D	06/03/11	13:25	04:45	(unrelated sample)
ZZZZZZ	3W22778.D	06/03/11	14:05	05:25	(unrelated sample)
ZZZZZZ	3W22779.D	06/03/11	14:46	06:06	(unrelated sample)
ZZZZZZ	3W22780.D	06/03/11	15:26	06:46	(unrelated sample)
V3W900-SCC	3W22782.D	06/03/11	16:51	08:11	Summa Cleaning Certification
JA77380-3	3W22783.D	06/03/11	17:31	08:51	(used for QC only; not part of job JA77896)
JA77380-3DUP	3W22784.D	06/03/11	18:11	09:31	Duplicate
ZZZZZZ	3W22787.D	06/03/11	20:11	11:31	(unrelated sample)
ZZZZZZ	3W22788.D	06/03/11	20:51	12:11	(unrelated sample)
ZZZZZZ	3W22789.D	06/03/11	22:14	13:34	(unrelated sample)
ZZZZZZ	3W22790.D	06/03/11	22:54	14:14	(unrelated sample)
ZZZZZZ	3W22791.D	06/03/11	23:34	14:54	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample: V3W903-BFB
Lab File ID: 3W22871.D
Instrument ID: GCMS3W
Injection Date: 06/09/11
Injection Time: 08:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	4952	18.4		Pass
75	30.0 - 66.0% of mass 95	12048	44.7		Pass
95	Base peak, 100% relative abundance	26962	100.0		Pass
96	5.0 - 9.0% of mass 95	1782	6.61		Pass
173	Less than 2.0% of mass 174	145	0.54	(0.59) [a]	Pass
174	50.0 - 120.0% of mass 95	24410	90.5		Pass
175	4.0 - 9.01% of mass 174	2014	7.47	(8.25) [a]	Pass
176	93.0 - 101.0% of mass 174	24077	89.3	(98.6) [a]	Pass
177	5.0 - 9.0% of mass 176	1619	6.00	(6.72) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W903-CC886	3W22872.D	06/09/11	09:05	00:41	Continuing cal 10
V3W903-BS	3W22873.D	06/09/11	09:45	01:21	Blank Spike
V3W903-BSD	3W22874.D	06/09/11	10:26	02:02	Blank Spike Duplicate
V3W903-MB	3W22875.D	06/09/11	11:53	03:29	Method Blank
ZZZZZZ	3W22876.D	06/09/11	12:35	04:11	(unrelated sample)
ZZZZZZ	3W22877.D	06/09/11	13:18	04:54	(unrelated sample)
ZZZZZZ	3W22878.D	06/09/11	14:02	05:38	(unrelated sample)
JA77892-4	3W22879.D	06/09/11	14:44	06:20	(used for QC only; not part of job JA77896)
JA77892-4DUP	3W22880.D	06/09/11	15:27	07:03	Duplicate
JA77896-6	3W22881.D	06/09/11	16:14	07:50	AMBIENT
JA77896-5	3W22882.D	06/09/11	17:02	08:38	SG-5
JA77896-4	3W22883.D	06/09/11	17:49	09:25	SG-4
ZZZZZZ	3W22884.D	06/09/11	18:29	10:05	(unrelated sample)
ZZZZZZ	3W22885.D	06/09/11	19:10	10:46	(unrelated sample)
ZZZZZZ	3W22886.D	06/09/11	19:52	11:28	(unrelated sample)
V3W903-SCC	3W22890.D	06/09/11	23:19	14:55	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample: VW1304-BFB
Lab File ID: W31976.D
Instrument ID: GCMSW
Injection Date: 05/23/11
Injection Time: 12:24

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	10020	18.5		Pass
75	30.0 - 66.0% of mass 95	25754	47.5		Pass
95	Base peak, 100% relative abundance	54168	100.0		Pass
96	5.0 - 9.0% of mass 95	3597	6.64		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	48141	88.9		Pass
175	4.0 - 9.01% of mass 174	3851	7.11	(8.00) [a]	Pass
176	93.0 - 101.0% of mass 174	46608	86.0	(96.8) [a]	Pass
177	5.0 - 9.0% of mass 176	3055	5.64	(6.55) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1304-IC1304	W31978.D	05/23/11	13:43	01:19	Initial cal 0.5
VW1304-IC1304	W31979.D	05/23/11	14:23	01:59	Initial cal 5
VW1304-IC1304	W31981.D	05/23/11	15:42	03:18	Initial cal 20
VW1304-IC1304	W31982.D	05/23/11	17:02	04:38	Initial cal 0.2
VW1304-ICC1304	W31983.D	05/23/11	17:42	05:18	Initial cal 10
VW1304-IC1304	W31985.D	05/23/11	19:02	06:38	Initial cal 0.04
VW1304-IC1304	W31986.D	05/23/11	19:42	07:18	Initial cal 40
VW1304-IC1304	W31990.D	05/24/11	09:20	20:56	Initial cal 0.1

Instrument Performance Check (BFB)

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Sample: VW1315-BFB
Lab File ID: W32213.D
Instrument ID: GCMSW
Injection Date: 06/09/11
Injection Time: 08:44

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	9339	19.8		Pass
75	30.0 - 66.0% of mass 95	24098	51.0		Pass
95	Base peak, 100% relative abundance	47245	100.0		Pass
96	5.0 - 9.0% of mass 95	3109	6.58		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	43274	91.6		Pass
175	4.0 - 9.01% of mass 174	3880	8.21	(8.97) [a]	Pass
176	93.0 - 101.0% of mass 174	42133	89.2	(97.4) [a]	Pass
177	5.0 - 9.0% of mass 176	2826	5.98	(6.71) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VW1315-CC1304	W32215.D	06/09/11	11:36	02:52	Continuing cal 10
VW1315-BS	W32216.D	06/09/11	12:17	03:33	Blank Spike
VW1315-BSD	W32217.D	06/09/11	12:58	04:14	Blank Spike Duplicate
VW1315-MB	W32218.D	06/09/11	14:37	05:53	Method Blank
JA77896-1	W32219.D	06/09/11	15:18	06:34	SG-1
JA77896-2	W32220.D	06/09/11	15:59	07:15	SG-2
JA77896-3	W32221.D	06/09/11	16:40	07:56	SG-3
JA77737-7	W32223.D	06/09/11	18:02	09:18	(used for QC only; not part of job JA77896)
JA77737-7DUP	W32224.D	06/09/11	18:42	09:58	Duplicate
ZZZZZZ	W32225.D	06/09/11	19:23	10:39	(unrelated sample)
ZZZZZZ	W32226.D	06/09/11	20:04	11:20	(unrelated sample)
VW1315-SCC	W32229.D	06/09/11	22:44	14:00	Summa Cleaning Certification
JA77896-5	W32230.D	06/09/11	23:23	14:39	SG-5

Volatile Surrogate Recovery Summary

Job Number: JA77896
Account: IENYB Impact Environmental
Project: West Tremont, 60 177th Street, Bronx, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JA77896-1	2W31545.D	91.0
JA77896-1	W32219.D	96.0
JA77896-2	2W31546.D	86.0
JA77896-2	W32220.D	93.0
JA77896-3	2W31547.D	84.0
JA77896-3	W32221.D	92.0
JA77896-4	3W22883.D	98.0
JA77896-5	W32230.D	93.0
JA77896-5	3W22882.D	99.0
JA77896-6	2W31548.D	86.0
JA77896-6	3W22881.D	101.0
JA77737-7DUP	W32224.D	94.0
JA77820-4DUP	2W31551.D	81.0
JA77892-4DUP	3W22880.D	100.0
V2W1317-SCC	2W31364.D	68.0
V2W1326-BS	2W31542.D	95.0
V2W1326-BSD	2W31543.D	99.0
V2W1326-MB	2W31544.D	88.0
V3W894-SCC	3W22631.D	92.0
V3W900-SCC	3W22782.D	80.0
V3W903-BS	3W22873.D	108.0
V3W903-BSD	3W22874.D	108.0
V3W903-MB	3W22875.D	87.0
VW1315-BS	W32216.D	104.0
VW1315-BSD	W32217.D	102.0
VW1315-MB	W32218.D	95.0
V2W1317-BS	2W31348.D	99.0
V2W1317-BSD	2W31349.D	99.0
V2W1317-MB	2W31350.D	88.0
V3W894-BS	3W22624.D	111.0
V3W894-BSD	3W22625.D	115.0
V3W894-MB	3W22626.D	104.0
V3W900-BS	3W22773.D	112.0
V3W900-BSD	3W22774.D	113.0
V3W900-MB	3W22775.D	91.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

APPENDIXI O

REMEDIAL ACTION WORK PLAN

Remedial Action Work Plan

June 29, 2011

Conducted at:

60 West 177th Street & 92 West Tremont Avenue
Bronx, New York
New York City Tax Map Designation: *Block 2867; Lot 125 and 128*

Prepared for:

Promesa Systems Inc.
300 East 175th Street
Bronx, New York 10457

Submitted to:

Mayor's Office of Operations
Office of Environmental Remediation
253 Broadway-14th Floor

IE Project # 2166-03-03-3002

NYCBCP Project No. 12CBCP016X

IMPACT ENVIRONMENTAL

170 KEYLAND COURT, BOHEMIA, NEW YORK 11716 | 631.269.8800 TELEPHONE | 631. 269.1599 FACSIMILE | IMPACTENVIRONMENTAL.COM

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Figure 3: Proposed Site Development Plan

Figure 4: Sub-Slab Depressurization System Layout

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Tables

Table 1: Soil Cleanup Objectives for on-Site Reuse

Table 2: Backfill/Cover Soil Quality Objectives

ATTACHMENTS

Attachment A: Proposed Building Plans

Attachment B: ECC Type II Vapor Barrier Specifications

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AS/SVE	Air Sparging/Soil Vapor Extraction
BOA	Brownfield Opportunity Area
CAMP	Community Air Monitoring Plan
C/D	Construction/Demolition
COC	Certificate of Completion
CQAP	Construction Quality Assurance Plan
CSOP	Contractors Site Operation Plan
DCR	Declaration of Covenants and Restrictions
ECs/ICs	Engineering and Institutional Controls
HASP	Health and Safety Plan
IRM	Interim Remedial Measure
BCA	Brownfield Cleanup Agreement
MNA	Monitored Natural Attenuation
NOC	Notice of Completion
NYC BCP	New York City Brownfield Cleanup Program
NYC DEP	New York City Department of Environmental Protection
NYC DOHMH	New York State Department of Health and Mental Hygiene
NYCRR	New York Codes Rules and Regulations
NYC OER	New York City Office of Environmental Remediation
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
ORC	Oxygen-Release Compound
OSHA	United States Occupational Health and Safety Administration
PE	Professional Engineer
PID	Photo Ionization Detector
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment
RAOs	Remedial Action Objectives
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan or Plan
RCA	Recycled Concrete Aggregate
RD	Remedial Design
RI	Remedial Investigation

RMZ	Residual Management Zone
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SVOC	Semi-Volatile Organic Compound
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

CERTIFICATION

I, Joel Rogers, am a Professional Engineer licensed in the State of New York. I have primary direct responsibility for implementation of the remedial action for the 60 West 177th Street & 92 West Tremont Avenue, Bronx, New York Site BCP # 12CBCPO16X.

I, James Cressy am a Qualified Environmental Professional as defined in §43-140. I have primary direct responsibility for implementation of the remedial action for the 60 West 177th Street & 92 West Tremont Avenue, Bronx, New York Site BCP # 12CBCPO16X.

I certify that this Remedial Action Work Plan (RAWP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

Joel Rogers, P.E.
Name

#083034
NYS PE License Number

Signature

Date

James Cressy
QEP Name

QEP Signature

Date

EXECUTIVE SUMMARY

Site Description

The Site is located at 60 West 177th Street/92 West Tremont Avenue in the Bronx, New York and is identified as Block 2867 and Lots 125 & 128 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 25,475-square feet and is bounded to the north by West Tremont Avenue and beyond by residential apartments, to the south by residential apartments, to the east by West 177th Street and beyond by residential apartments, to the west by residential apartments. A map of the site boundary is shown in Figure 2. Currently, the Site is unimproved/vacant land. The Site exhibits high topographic relief, with the highest elevation on the southwestern boundary and the lowest elevation on the northeastern boundary.

Redevelopment Plan

The proposed future use of the Site will consist of a five story senior citizens' residence. Layout of the proposed site development is presented in Figure 3. The current zoning designation is R7-1 Vacant Zoned Residential (V0). The proposed use is consistent with existing zoning for the property.

The Site is slated for redevelopment for one five-story residential apartment building with a cellar level. The proposed building consists of 61 apartment units from the first to the fifth floor. The cellar level will be utilized for utility, maintenance rooms, storage rooms, office space and one residential apartment. The excavation depth of the cellar will be 12'- 6". Groundwater is not expected to be encountered during these activities. The proposed building will not cover the entire footprint of the Site. Specifically, the south eastern portion of the Site will maintain a landscaped yard area with an approximate footprint of 3,600 ft^2. Approximately 1,150 ft^2 of this landscaped area will be covered by a concrete patio.

Summary of Past Uses of Site and Areas of Concern

A review of historic records revealed that Lot 125 has been utilized as a dry-cleaning facility since at least 1948 to approximately 1979. The building maintained on this Lot was listed as being serviced by a fuel oil fired heating system. The historic use of Lot 128 consisted of a parking lot.

1. The first AOC is a PCE and other organic carbon impacted soil area, located on the central portion of Lot 125. This area is where the former dry cleaning facility was maintained.
2. The second AOC is the marginally PCE impacted groundwater.

3. The third AOC is PCE impacted soil vapor

4. The fourth AOC is historical fill.

Summary of the Work Performed under the Remedial Investigation

Impact Environmental performed the following scope of work:

Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);

Installed a total of twenty-three soil borings across the entire project Site, and collected a total of forty-three soil samples for chemical analysis from the soil borings to evaluate soil quality. Samples were collected in two phases with the second phase focused, in part, on the area of the dry cleaner;

Installed six groundwater monitoring wells throughout the Site to establish groundwater flow and collected five groundwater samples for chemical analysis to evaluate groundwater quality. One well was dry;

Installed a total of thirteen (and one ambient sample) soil vapor probes around Site perimeter and collected thirteen samples for chemical analysis. Samples were collected in two phases with the second phase focused, in part, on the area down-hydraulic gradient from the dry cleaner, offsite and ambient air.

Summary of the Environmental Findings

1. Elevation of the property ranges from approximately 100 to 70 feet above sea level.

2. Depth to groundwater ranges from 13.64 to 15.00 feet at the Site.

3. Groundwater flow is generally from the northeast towards the south southwest, south and south southeast to beneath the Site.

4. Depth to bedrock is approximately 19 feet below existing grade (BEG) at the Site.

5. Soil/fill samples collected during the RI showed the presence of urban fill from grade to approximately 10' below existing grade (BEG). Forty-three shallow and deep soil samples were collected and analyzed for VOCs at 23 locations. Several compounds (1,4 dichlorobenzene, toluene, acetone) were found above Track 1 SCOs at depth in one sample location (SP-4). This sample was collected in the vicinity of the former dry cleaner in the west central portion of the property and also contained a variety of other parameters below Track 1 Unrestricted SCOs, including PCE. TCE was not detected in soil at this property. All VOCs in all soil samples were below Track 2 Restricted Residential SCOs. In the first round including 27 samples, acetone was not detected. In a second round including 16 samples, acetone was detected in all samples at

concentrations in a narrow range between about 25 and 60 ug/kg (including some above Track 1 Unrestricted SCOs), suggesting lab interference. A supplemental sampling round performed to delineate VOCs in the area of the dry cleaner showed that the area of predominant VOC impact was limited to the immediate area of SP-4. Overall, PCE was detected in 5 of 43 samples and all below the Track 1 Unrestricted SCOs. These findings correlate with the area of historic dry cleaning activities on Lot 125 and are probably associated with past dry cleaning operations. 1,4 dichlorobenzene was the only other VOC detected at multiple locations and all detections were at levels well below Track 1 SCOs (except in SP-4 noted above). The findings of soil, groundwater and soil vapor do not support a significant PCE or VOC source area onsite or significant disposal onsite. Removal of all soil/fill in this area (to bedrock) is expected in the area of the former dry cleaner during the remedial action. Only three SVOCs (PAH compounds) were detected in soils at low levels and included only one exceedence of Track 1 Unrestricted SCOs in one sample. No PCBs were detected in any soil sample. Eight pesticides were detected soils on this property, including four that were identified above Track 1 Unrestricted SCOs and Track 2 Restricted Residential SCOs, and four that exceeded Track 1 Unrestricted SCOs; However these compounds did not exceed Track 2 Restricted Residential SCOs. Generally, pesticides were detected at highest concentrations in shallow soils (0-2 feet). Metals were detected in soils at levels characteristic for historical fill. Lead was detected above Track 1 in a variety of samples but only exceeded Track 2 Restricted Residential SCOs in 4 samples, and all below 700 mg/kg. Mercury was detected in a variety of samples above Track 1 SCOs but only exceeded Track 2 Restricted Residential SCOs in 3 samples and all were below 2.5 mg/kg. Barium and cadmium were also detected in at least one sample above Track 2 Restricted Residential SCOs. Other metals exhibited marginal exceedence of Track 1 Unrestricted SCOs.

6. Groundwater samples collected during the RI from five wells showed no detectable concentrations of SVOCs, pesticides or PCBs. Five VOC were detected including chloroform above TOGS in three wells and PCE and TCE slightly above TOGS in two wells and one well, respectively. VOC concentrations are relatively low and similar to the soil results, do not support significant disposal of chlorinated hydrocarbons onsite. No clear pattern of VOC occurrence in groundwater was observed. For instance, a low concentration of PCE was found in the area of the former dry cleaner but was also identified in upgradient well MW-3 and was not identified in downgradient well MW-1. Lead exceeds TOGS in unfiltered groundwater samples and barium and chromium were identified at TOGS levels in one well. These groundwater metals samples are unfiltered and exhibit evidence of turbidity. With regards to mercury, analytical MDLs exceed TOGS limits.

Soil vapor samples collected at eight locations during the initial sampling round showed a common occurrence of BTEX and associated derivatives at relatively low levels (most detections were below 10 ug/m3) and suggest a local influence of automotive fuel. Sources may include onsite soils and releases along West Tremont Avenue, a major vehicular thoroughfare that is located immediately north of the property. TCE was identified in one location at trace concentrations (below 1 ug/m^3) and PCE was found in 2 of eight locations, including one location hydraulic down-gradient from the former dry cleaner at a concentration of approximately 187ug/m^3. These results, with other results reported for soil and groundwater, support an onsite origin of PCE, probably associated with dry cleaning operations, but does not support a significant source area onsite or significant disposal onsite. Supplemental onsite soil vapor samples collected during the second round of sampling supported this conclusion. However, several supplemental offsite background soil vapor samples, in areas where corresponding onsite soil vapor were non-detect for PCE, showed anomalously high PCE concentrations, orders of magnitude higher than found onsite, as did an ambient air sample, and suggest a possible sampling error. These offsite soil vapor samples will be repeated during the remedial action phase of this project using a different laboratory. Acetone was found in all soil vapor samples with maximum concentrations of approximately 800 ug/m^3. Acetone was identified ubiquitously in the second round of onsite soil samples independent of past usage but was not identified in any sample from the initial round, and was only found in the upgradient groundwater well (MW-3).

Qualitative Human Health Exposure Assessment

An important portion of the cleanup investigation is the performance of a study to identify ways that people might come in contact with contaminants of the Site now or in the future. This study is called a Qualitative Human Health Exposure Assessment (QHHEA). A QHHEA was performed for this project. This assessment has considered all known contamination at the Site and evaluated the potential for people to come in contact with this contamination. All potential public exposures will be addressed under this cleanup plan.

Summary of the Remedy

1. Preparation of a Community Protection Statement and performance of all required NYC BCP citizen participation activities according to an approved Citizen Participation Plan (CPP).

2. Establish Track 2 Restricted Residential Soil Cleanup Objectives (SCOs).

3. Excavation and removal of soil/fill exceeding Track 2 Restricted Residential SCOs. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with all Federal, State and City laws and regulations for handling, transport, and disposal.

4. Collection and analysis of end-point samples to evaluate the performance of the remedy with respect to attainment of SCOs.

5. Installation of a vapor/waterproof membrane system beneath entire building slab.

6. Installation and operation of an active sub slab depressurization system (SSDS).

7. Performance of Community Air Monitoring Program for particulates and volatile organic carbon compounds.

8. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.

9. Implementation of storm-water pollution prevention measures.

10. Performance of all activities associated with the remedial action, including permitting requirements and pretreatment requirements, will be addressed in accordance with all applicable Federal, State and City laws and regulations.

11. Sampling and analysis of excavated media as required by disposal facilities.

12. Removal of all Underground Storage Tanks, if any, and closure of petroleum spills, if any, under authority of New York State Department of Environmental Conservation.

13. Screening for indications of contamination (by visual means, odor, and monitoring with a photo ionization detector (PID)) of excavated soil/fill during all intrusive work.

14. Recording of a Declaration of Covenants and Restrictions that includes a full listing of Engineering Controls and Institutional Controls and notice that these controls must be maintained within a Site Management Plan to prevent future exposure to any residual contamination remaining at the Site.

15. Establishment in a recorded Declaration of Covenants and Restrictions, a series of Institutional Controls on the Site, including: (1) compliance with the provisions of the recorded Declaration of Covenants and Restrictions; (2) compliance with provisions of the approved Site Management Plan; (3) operation and maintenance of Engineering Controls as specified in the Site Management Plan; (4) inspection and certification of all Engineering Controls at a frequency and in a manner defined in the Site Management Plan; (5) reporting at a frequency

and in a manner defined in the Site Management Plan; and (6) prohibition of discontinuation of Engineering Controls without an OER-approved amendment or extinguishment of the Declaration of Covenants and Restrictions.

16. Establishment in a recorded Declaration of Covenants and Restrictions, a series of site restriction Institutional Controls on the Site, including: (1) prohibition of vegetable gardening and farming; (2) prohibition of the use of groundwater without treatment rendering it safe for the intended use; (3) prohibition on all disturbance of residual contaminated material unless it is conducted in accordance with the provisions in the Site Management Plan; and (4) prohibition on higher level of land usage without an OER-approved amendment or extinguishment of this Declaration of Covenants and Restrictions.

17. Submission of a RAR which describes the remedial activities including any changes from this RAWP, certifies that the remedial requirements have or will be achieved, defines the Site boundaries, and describes any Engineering and Institutional Controls to be implemented at the Site.

18. Submission of an approved Site Management Plan in the Remedial Action Report for long-term management of residual contamination, including plans for Institutional and Engineering Controls for: (1) inspection and certification, (2) monitoring, (3) operation and maintenance, and (4) reporting.

Community Protection Statement

The Office of Environmental Remediation created the New York City Brownfield Cleanup Program (NYC BCP) to provide governmental oversight for the cleanup of contaminated property in NYC. This Remedial Action Work Plan ("cleanup plan") describes the findings of prior environmental studies that show the location of contamination at the site, and describes the plans to clean up the site to protect public health and the environment.

This cleanup plan provides a very high level of protection for neighboring communities. This cleanup plan also includes many other elements that address common community concerns, such as community air monitoring, odor, dust and noise controls, hours of operation, good housekeeping and cleanliness, truck management and routing, and opportunities for community participation. The purpose of this Community Protection Statement is to explain these community protection measures in non-technical language to simplify community review.

Remedial Investigation and Cleanup Plan. Under the NYC BCP, a thorough cleanup study of this property (called a remedial investigation) has been performed to identify past property usage, to sample and test soils, groundwater and soil vapor, and identify contaminant sources present on the property. The cleanup plan has been designed to address all contaminant sources that have been identified during the study of this property.

Identification of Sensitive Land Uses. Prior to selecting a cleanup, the neighborhood was evaluated to identify sensitive land uses nearby, such as schools, day care facilities, hospitals and residential areas. The cleanup program was then tailored to address the special conditions of this community.

Qualitative Human Health Exposure Assessment. An important part of the cleanup planning for the Site is the performance of a study to find all of the ways that people might come in contact with contaminants at the Site now or in the future. This study is called a Qualitative Human Health Exposure Assessment (QHHEA). A QHHEA was performed for this project. This assessment has considered all known contamination at the Site and evaluated the potential for people to come in contact with this contamination. All identified public exposures will be addressed under this cleanup plan.

Health and Safety Plan. This cleanup plan includes a Health and Safety Plan that is designed to protect community residents and on-Site workers. The elements of this plan are in compliance with safety requirements of the United States Occupational Safety and Health Administration. This plan includes many protective elements including those discussed below.

Site Safety Coordinator. This project has a designated Site safety coordinator to implement the Health and Safety Plan. The safety coordinator maintains an emergency contact sheet and protocol for management of emergencies. The Site safety coordinator is Wen Qing Fang and can be reached at (631) 269-8800.

Worker Training. Workers participating in cleanup of contaminated material on this project are required to be trained in a 40-hour hazardous waste operators training course and to take annual refresher training. This pertains to workers performing specific tasks including removing contaminated material and installing cleanup systems in contaminated areas.

Community Air Monitoring Plan. Community air monitoring will be performed during this cleanup project to ensure that the community is properly protected from contaminants, dust and odors. Air samples will be tested in accordance with a detailed plan called the Community Air Monitoring Plan or CAMP. Results will be regularly reported to the NYC Office of Environmental Remediation. This cleanup plan also has a plan to address any unforeseen problems that might occur during the cleanup (called a 'Contingency Plan').

Odor, Dust and Noise Control. This cleanup plan includes actions for odor and dust control. These actions are designed to prevent off-Site odor and dust nuisances and includes steps to be taken if nuisances are detected. Generally, dust is managed by application of physical covers and by water sprays. Odors are controlled by limiting the area of open excavations, physical covers, spray foams and by a series of other actions (called operational measures). The project is also required to comply with NYC noise control standards. If you observe problems in these areas, please contact the onsite Project Manager James Cressy (631) 365-6118 or NYC Office of Environmental Remediation Project Manager Mr. Shaminder Chawla (212) 442-3007.

Quality Assurance. This cleanup plan requires that evidence be provided to illustrate that all cleanup work required under the plan has been completed properly. This evidence will be summarized in the final report, called the Remedial Action Report. This report will be submitted to the NYC Office of Environmental Remediation and will be thoroughly reviewed.

Storm-Water Management. To limit the potential for soil erosion and discharge, this cleanup plan has provisions for storm-water management. The main elements of the storm water management include physical barriers such as tarp covers and erosion fencing, and a program for frequent inspection.

Hours of Operation. The hours for operation of cleanup will comply with the NYC Department of Buildings construction code requirements or according to specific variances issued by that agency. For this cleanup project, the hours of operation are 7am to 5pm Monday through Friday.

Signage. While the cleanup is in progress, a placard will be prominently posted at the main entrance of the property with a laminated project Fact Sheet that states that the project is in the NYC Brownfield Cleanup Program, provides project contact names and numbers, and locations of project documents can be viewed.

Complaint Management. The contractor performing this cleanup is required to address all complaints. If you have any complaints, you can call the facility Project Manager Mr. Thomas Brown at (347) 649-3134, the NYC Office of Environmental Remediation Project Manager Mr. Shaminder Chawla (212) 442-3007, or call 311 and mention the Site is in the NYC Brownfield Cleanup Program.

Utility Mark-outs. To promote safety during excavation in this cleanup, the contractor is required to first identify all utilities and must perform all excavation and construction work in compliance with NYC Department of Buildings regulations.

Soil and Liquid Disposal. All soil and liquid material removed from the Site as part of the cleanup will be transported and disposed of in accordance with all applicable City, State and Federal regulations and required permits will be obtained.

Soil Chemical Testing and Screening. All excavations will be supervised by a trained and properly qualified environmental professional. In addition to extensive sampling and chemical testing of soils on the Site, excavated soil will be screened continuously using hand-held instruments, by sight, and by smell to ensure proper material handling and management, and community protection.

Stockpile Management. Soil stockpiles will be kept covered with tarps to prevent dust, odors and erosion. Stockpiles will be frequently inspected. Damaged tarp covers will be promptly replaced. Stockpiles will be protected with silt fences. Hay bales will be used, as needed to protect storm water catch basins and other discharge points.

Trucks and Covers. Loaded trucks leaving the Site will be covered in compliance with applicable laws and regulations to prevent dust and odor. Trucks will be properly recorded in logs and records and placarded in compliance with applicable City, State and Federal laws, including those of the New York State Department of Transportation. If loads contain wet material that can leak, truck liners will be used. All transport of materials will be performed by licensed truckers and in compliance with all laws and regulations.

Imported Material. All fill materials proposed to be brought onto the Site will comply with rules outlined in this cleanup plan and will be inspected and approved by a qualified worker located on-Site. Waste materials will not be brought onto the Site. Trucks entering the Site with imported clean materials will be covered in compliance with applicable laws and regulations.

Equipment Decontamination. All equipment used for cleanup work will be inspected and washed, if needed, before it leaves the Site. Trucks will be cleaned at a truck inspection station on the property before leaving the Site.

Housekeeping. Locations where trucks enter or leave the Site will be inspected every day and cleaned regularly to ensure that they are free of dirt and other materials from the Site.

Truck Routing. Truck routes have been selected to: (a) limit transport through residential areas and past sensitive nearby properties; (b) maximize use of city-mapped truck routes; (c) limit total distance to major highways; (d) promote safety in entry to highways; (e) promote overall safety in trucking; and (f) minimize off-Site line-ups (queuing) of trucks entering the property. Operators of loaded trucks leaving the Site will be instructed not to stop or idle in the local neighborhood.

Final Report. The results of all cleanup work will be fully documented in a final report (called a Remedial Action Report) that will be available for you to review in the public document repositories located at The Mayor's Office of Environmental Remediation.

Long-Term Site Management. To provide long-term protection after the cleanup is complete, the property owner will be required to comply with an ongoing Site Management Plan that calls for continued inspection of protective controls, such as Site covers. The Site Management Plan is evaluated and approved by the NYC Office of Environmental Remediation. Requirements that the property owner must comply with are defined in the property's deed. A certification of continued protectiveness of the cleanup will be required from time to time to show that the approved cleanup is still effective.

1.0 SITE BACKGROUND

Promesa Housing Development Fund Corp. has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a property located at 60 West 177th Street & 92 West Tremont Avenue, Bronx, New York, the "Site". A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP) in a manner that will render the Site protective of public health and the environment consistent with the contemplated end use. This RAWP establishes remedial action objectives, provides a remedial alternatives analysis that includes consideration of a permanent cleanup, and provides a description of the selected remedial action. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 60 West 177th Street/92 West Tremont Avenue in the Bronx, New York and is identified as Block 2867 and Lots 125 & 128 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 25,475-square feet and is bounded to the north by West Tremont Avenue and beyond by residential apartments, to the south by residential apartments, to the east by West 177th Street and beyond by residential apartments, to the west by residential apartments. A map of the site boundary is shown in Figure 2. Currently, the Site is unimproved/vacant land. The Site exhibits high topographic relief, with the highest elevation on the southwestern boundary and the lowest elevation on the northeastern boundary.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Site will consist of a five story senior citizens' residence. Layout of the proposed site development is presented in Figure 3. The current zoning designation is R7-1 Vacant Zoned Residential (V0). The proposed use is consistent with existing zoning for the property.

The Site is slated for redevelopment for one five-story residential apartment building with a cellar level. The proposed building consists of 61 apartment units from the first to the fifth floor. The cellar level will be utilized for utility, maintenance rooms, storage rooms, office space and one residential apartment. The excavation depth of the cellar will be 12'- 6". Groundwater is not expected to be encountered during these activities. The proposed building will not cover the entire footprint of the Site. Specifically, the

south eastern portion of the Site will maintain a landscaped yard area with an approximate footprint of 3,600 ft^2. Approximately 1,150 ft^2 of this landscaped area will be covered by a concrete patio.

The remedial action contemplated under this RAWP may be implemented independently of the proposed redevelopment plan.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The contiguous properties are utilized as residential apartments. The character of the neighborhood is primarily residential apartments with few stores maintained on the first floors. One daycare facility is located within 250' to the southeast of the Site and three public schools are located within a 500' radius of the Site. Figure 1 shows the surrounding land usage.

1.4 REMEDIAL INVESTIGATION

A remedial investigation was performed and the results are documented in a companion document called "*Remedial Investigation Report*" dated June 2011 (RIR).

A review of historic records revealed that Lot 125 has been utilized as a dry-cleaning facility since at least 1948 to approximately 1979. The building maintained on this Lot was listed as being services by a fuel oil fired heating system. The historic use of Lot 128 consisted of a parking lot.

Impact Environmental performed the following scope of work under the RIR:

Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);

1. Installed a total of twenty-three soil borings across the entire project Site, and collected a total of forty-three soil samples for chemical analysis from the soil borings to evaluate soil quality;
2. Installed six groundwater monitoring wells throughout the Site to establish groundwater flow and collected five groundwater samples for chemical analysis to evaluate groundwater quality. One well was dry;
3. Installed a total of thirteen (and one ambient sample) soil vapor probes around Site perimeter and collected thirteen samples for chemical analysis.

For more detailed results, consult the RIR. Based on an evaluation of the data and information from the RIR and this RAWP, disposal of significant amounts of hazardous waste is not suspected at this site.

2.0 REMEDIAL ACTION OBJECTIVES

Based on the results of the RI, the following Remedial Action Objectives (RAOs) have been identified for this Site:

Groundwater

- Remove contaminant sources causing impact to groundwater.
- Prevent direct exposure to contaminated groundwater.
- Prevent exposure to contaminants volatilizing from contaminated groundwater.

Soil

- Prevent direct contact with contaminated soil.
- Prevent exposure to contaminants volatilizing from contaminated soil.
- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

- Prevent exposure to contaminants in soil vapor.
- Prevent migration of soil vapor into dwelling and other occupied structures.

3.0 REMEDIAL ALTERNATIVES ANALYSIS

For 60 West 177th Street/92 West Tremont Avenue, a Track 1 remedial action alternative and a Track 2 remedial action alternative are considered in this alternative analysis. The Track 1 alternative involves the removal of all soil above Track 1 SCOs. The Track 2 alternative involves establishment of Track 2 Restricted Residential SCOs, removal of soil/fill down to a depth of at least 12 feet throughout the property to the planned depth of the sub-grade development structure and removal of the VOC 'hot spot' area within lot 125 at SP-4, collection of end-point samples to verify attainment of Track 2 SCOs, and placement of ORC at the base of the open excavation in the hot spot area. The Track 2 remedial action alternative involves the excavation and removal of approximately 10,000 cubic yards of soil and fill and may also be capable of achieving Track 1 SCOs. Attainment of Track 1 would be assessed after the conclusion of the excavation activities through end point sampling. Other elements of the Track 2 remedial alternative include:

- Establishment of Track 2 Restricted Residential Soil Cleanup Objectives (SCOs).
- Placement of a composite final cover including a building slab and foundation side walls in the building area, and pavement or a 2 foot clean soil cover in all remaining open spaces to eliminate exposure to remaining soil/fill;
- Establishment of use restrictions including prohibitions on the use of groundwater from the site and prohibitions on other sensitive site uses, such as farming or vegetable gardening, to eliminate potential future exposure pathways;
- Establish a Site Management Plan to ensure long-term management of Institutional and Engineering Controls including the performance of periodic inspections and certification that the controls are performing as they were intended; and
- Placement of a deed restriction to memorialize the remedial action and the Engineering and Institutional Controls to ensure that future owners of the site continue to maintain these controls as required.

In addition, both alternatives would involve the installation of a vapor/water barrier membrane beneath the concrete foundation and outside the foundation wall surfaces, and operation of an active sub slab depressurization system (SSDS).

3.1 THRESHOLD CRITERIA

Protection of Public Health and the Environment

This criterion is an evaluation of the remedy's ability to protect public health and the environment, and an assessment of how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, and implementation of Engineering Controls or Institutional Controls. Protection of public health and the environment must be achieved for all approved remedial actions.

The Track 1 alternative will result in excavation of all soil with contaminant concentration above Track 1 SCOs and would:

- Eliminate the risk of ingestion exposures or other direct contact with contaminated on-Site soils consistent with remedial action objectives;
- Eliminate the risk of leaching into groundwater and ingestion exposures or direct contact with groundwater with contamination derived from the Site consistent with remedial action objectives; and
- Eliminate potential sources for on-Site production of soil vapors, and prevent migration of on-Site derived vapors into occupied structures and eliminate associated inhalation exposures consistent with remedial action objectives.

The Track 2 alternative would:

- Establish Track 2 Restricted Residential SCOs;
- Remove soil/fill down to a depth of at least 12 feet throughout the property to the planned depth of the basement of the building. In addition, excavating activities will be conducted for the VOC hot spot area within Lot 125 in the area around SP-4 and delineated by SB-1 through SB-6;
- Place a composite final cover including a building slab and foundation side walls in the building area and concrete pavement and/or a 2 foot clean soil cover in all remaining open spaces to eliminate exposure to remaining soil/fill;
- Install a vapor/water barrier membrane beneath the concrete foundation and outside the foundation wall surfaces, and operation of an active sub slab depressurization system (SSDS)

- Establish use restrictions to ensure that future ingestion or other exposures to are eliminated, such as prohibition on use of groundwater for potable purposes;
- Establish a Site Management Plan to ensure long term management of Institutional and Engineering Controls to ensure that all Engineering and Institutional controls are inspected periodically and require certification that the remedy continues to perform as it was designed, thus ensuring that the protections achieved for public health and the environment remain in perpetuity;
- Place a deed restriction to memorialize these controls in order to decrease the risk of future exposures with contaminated media consistent with remedial action objectives to memorialize the remedial action and the existence of Engineering and Institutional Controls and will ensure that these controls will be appropriately managed by future owners of the Site.

3.2. BALANCING CRITERIA

Compliance with Standards, Criteria and Guidance (SCGs)

The Track 1 alternative would address the chemical-specific SCGs for soil by excavation and removal of all material above the Track 1 SCOs. Focused attention on means and methods employed during the remedial action would ensure that handling and management of contaminated material would be in compliance with applicable SCGs.

The Track 2 alternative would address the chemical-specific SCGs for soil by establishment of Track 2 SCOs and attainment of these standards for onsite soil. Removal of possible source areas and placement of ORC at the base of the excavation in the hot spot area would address any residual groundwater impacts and associated impacted to soil vapor. Similar to the Track 1 alternative, focused attention on means and methods employed during the remedial action would ensure that handling and management of contaminated material would be incompliance with applicable SCGs. Soil vapor impacts within the building structure would be mitigated by the installation of a vapor barrier and operation of an active SSDS.

Short-term effectiveness and impacts

This evaluation criterion assesses the effects of the alternative during the construction and implementation phase until remedial action objectives are met. Under this criterion, alternatives are evaluated with respect to their effects on public health and the environment during implementation of the remedial action, including protection of the community, environmental impacts, time until remedial response objectives are achieved, and protection of workers during remedial actions.

The Track 1 alternative would result in some short-term impacts due to the quantity of excavation and transport required to remove all historic fill and other material necessary to achieve Track 1 SCOs throughout the Site. These impacts could include higher air quality impacts caused by greater soil excavation, handling and load out, and associated truck traffic. Focused attention to means and methods employed during the remedial action, including community air monitoring and appropriate truck routing, would minimize or negate the overall impact of this additional activity.

The Track 2 alternative would result in marginally fewer short-term impacts associated with excavation, handling, load out of materials, and truck traffic than a Track 1 remediation. However, focused attention to means and methods during the remedial action during a Track 1 removal action, including community air monitoring and appropriate truck routing, would minimize or negate the overall impact of these activities under either alternative.

Long-term effectiveness and permanence

This evaluation criterion addresses the results of a remedial action in terms of its permanence and quantity/nature of waste or residual contamination remaining at the Site after response objectives have been met, such as permanence of the remedial alternative, magnitude of remaining contamination, adequacy of controls including the adequacy and suitability of ECs/ICs that may be used to manage contaminant residuals that remain at the Site and assessment of containment systems and ICs that are designed to eliminate exposures to contaminants, and long-term reliability of Engineering Controls.

The Track 1 alternative would be effective over the long-term by providing a permanent cleanup of on-Site contamination through removal of all soils in excess of the Track 1 SCOs and would eliminate any potential on-Site sources of soil vapors and groundwater contamination consistent with remedial action objectives.

The Track 2 alternative would also be effective over the long-term by attaining Track 2 SCOs, placement of a composite cover over the entire Site, establishment of a Site Management Plan to ensure long-term management of Institutional and Engineering Controls, and placement of a deed restriction to memorialize these controls after remedial construction is complete. Attainment of Track 2 SCOs would minimize the risk of leaching into groundwater and contact with or exposures to groundwater with contamination derived from on-Site consistent with remedial action objectives. Soil and fill removal would also minimize potential sources for on-Site production of soil vapors and migration of Site-derived vapors, and installation of a vapor barrier and active operation of a SSDS would prevent migration of on-Site and off-Site derived vapors into occupied structures and eliminate associated inhalation exposures consistent with remedial action objectives. Groundwater use restrictions will eliminate potential ingestion of groundwater, and establishment of a SMP and a deed restriction will ensure that these protections remain effective in perpetuity. The SMP will ensure long-term effectiveness of all Engineering and Institutional Controls by requiring periodic inspection and certification that these controls and use restrictions continue to be in place and functioning as they were intended.

Reduction of toxicity, mobility, or volume of contaminated material

This evaluation criterion assesses the remedial alternative's use of remedial technologies that permanently and significantly reduce toxicity, mobility, or volume of contaminants as their principal element. The following is the hierarchy of source removal and control measures that are to be used to remediate a Site, ranked from most preferable to least preferable: removal and/or treatment,

containment, elimination of exposure and treatment of source at the point of exposure. It is preferred to use treatment or removal to eliminate contaminants at a Site, reduce the total mass of toxic contaminants, cause irreversible reduction in contaminants mobility, or reduce of total volume of contaminated media.

The Track 1 alternative will provide maximum reduction of toxicity, mobility and volume of contaminated material on-Site by excavation and removal of all soils that exceed the Track 1 unrestricted use SCOs.

The Track 2 alternative will provide:

- Reduction of toxicity, mobility and volume of contaminated material on-Site by establishing Track 2 SCOs and attainment of these SCOs for onsite soil;
- Placement of a composite cover over the entire Site that will lower toxicity by eliminating potential contact with remaining soil below the SCOs;
- Groundwater use restrictions will reduce toxicity by ensuring that there is no direct contact with on-Site groundwater in the future;
- Establishment of a Site Management Plan and placement of a deed restriction to memorialize these controls will ensure long-term management of these Engineering and Institutional Controls and provide assurance that protections will continue in perpetuity.

Implementability

This evaluation criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation, including technical feasibility of construction and operation, reliability of the selected technology, ease of undertaking remedial action, monitoring considerations, administrative feasibility (e.g. obtaining permits for remedial activities), and availability of services and materials.

The Track 1 alternative is both feasible and implementable. It uses standard materials and services and well established technology. The reliability of the remedy is high. There are no special difficulties associated with any of the activities proposed but will require a marginally longer period of time to accomplish due to the large quantity of soil and fill material that would require removal. Similarly, the Track 2 alternative is also both feasible and implementable. It uses standard materials and services and well established technology. The reliability of the remedy is also high. There are no special difficulties associated with any of the activities proposed, which utilize standard industry methods. The installation of

a vapor barrier and SSDS is a feasible and effective way to prevent vapors from entering the new building.

Cost effectiveness

This evaluation criterion addresses the cost of alternatives, including capital costs (such as construction costs, equipment costs, and disposal costs, engineering expenses) and site management costs (costs incurred after remedial construction is complete) necessary to ensure the continued effectiveness of a remedial action.

The capital costs associated with the Track 1 alternative are higher than the Track 2 alternative in that a higher volume of soil/fill will be excavated for off-site disposal to achieve a Track 1 status, and long term site management will involve continued site management activities.

Both alternatives satisfy the threshold balancing criterion and other criterion listed here, and each is fully protective of public health and the environment, will control migration of contaminants, will comply with SCGs, are effective for the short-term and long-term, are implementable, and reduce both mobility and toxicity.

Community Acceptance

This evaluation criterion addresses community opinion and support for the remedial action. Observations here will be supplemented by public comment received on the RAWP.

Based on the overall goals of the remedial program and initial observations by the project team, both of the alternatives would be acceptable to the community. This RAWP will be subject to and undergo public review under the NYC BCP and will provide the opportunity for detailed public input on the remedial alternatives and the selected remedial action. This public comment will be considered by OER prior to approval of this plan.

Land use

This evaluation criterion addresses the proposed use of the property. This evaluation has considered reasonably anticipated future uses of the Site and takes into account: current use and historical and/or recent development patterns; applicable zoning laws and maps; NYS Department of State's Brownfield

Opportunity Areas (BOA) pursuant to section 970-r of the general municipal law; applicable land use plans; proximity to real property currently used for residential use, and to commercial, industrial, agricultural, and/or recreational areas; environmental justice impacts, Federal or State land use designations; population growth patterns and projections; accessibility to existing infrastructure; proximity of the site to important cultural resources and natural resources, potential vulnerability of groundwater to contamination that might emanate from the site, proximity to flood plains, geography and geology; and current Institutional Controls applicable to the site.

The Track 1 and Track 2 alternatives for remedial action at the site are comparable with respect to the proposed use and to land uses in the vicinity of the Site. The proposed use is consistent with the existing zoning designation for the property and is consistent with recent development patterns. The Site is surrounded by residential and commercial properties and the proposed alternative provides comprehensive protection of public health and the environment for these uses. Improvements in the current brownfield condition of the property achieved by the alternative is also consistent with the City's goals for cleanup of contaminated land and bringing such properties into productive reuse. The alternatives are equally protective of natural resources and cultural resources. This RAWP will be subject to public review under the NYC BCP and will provide the opportunity for detailed public input on the land use factors described in this section. This public comment will be considered by OER prior to approval of this plan.

Sustainability of the Remedial Action

This criterion evaluates the overall sustainability of the remedial action alternatives and the degree to which sustainable means are employed to implement the remedial action including those that take into consideration NYC's sustainability goals defined in *PlaNYC: A Greener, Greater New York*. Sustainability goals may include: maximizing the recycling and reuse of non-virgin materials; reducing the consumption of virgin and non-renewable resources; minimizing energy consumption and greenhouse gas emissions; improving energy efficiency; and promotion of the use of native vegetation and enhancing biodiversity during landscaping associated with Site development.

Both alternatives have an equal potential to utilize sustainable means to achieve the cleanup goals. This program contemplates the utilization of several green remediation methods that are compatible with the alternative. The full list of green remediation activities considered in this program is included in the Sustainability Statement.

4.0 REMEDIAL ACTION

4.1 SUMMARY OF PREFERRED REMEDIAL ACTION

The preferred remedial action alternative is the Track 2 Alternative. The preferred remedial action alternative achieves protection of public health and the environment for the intended use of the property. The preferred remedial action alternative will achieve all of the remedial action objectives established for the project and addresses applicable SCGs. The preferred remedial action alternative is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants. The preferred remedial action alternative is cost effective and implementable and uses standards methods that are well established in the industry.

The elements of this remedial action are:

1. Preparation of a Community Protection Statement and performance of all required NYC BCP citizen participation activities according to an approved Citizen Participation Plan (CPP).
2. Establish Track 2 Restricted Residential Soil Cleanup Objectives (SCOs).
3. Excavation and removal of soil/fill exceeding Track 2 Restricted Residential SCOs. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with all Federal, State and City laws and regulations for handling, transport, and disposal.
4. Collection and analysis of end-point samples to evaluate the performance of the remedy with respect to attainment of SCOs.
5. Installation of a vapor/waterproof membrane system beneath entire building slab and the side walls.
6. Installation and operation of an active sub slab depressurization system (SSDS).
7. Performance of Community Air Monitoring Program for particulates and volatile organic carbon compounds.
8. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.
9. Implementation of storm-water pollution prevention measures.
10. Performance of all activities associated with the remedial action, including permitting requirements and pretreatment requirements, will be addressed in accordance with all applicable Federal, State and City laws and regulations.

11. Sampling and analysis of excavated media as required by disposal facilities.

12. Removal of all Underground Storage Tanks, if any, and closure of petroleum spills, if any, under authority of New York State Department of Environmental Conservation.

13. Screening for indications of contamination (by visual means, odor, and monitoring with a photo ionization detector (PID)) of excavated soil/fill during all intrusive work.

14. Recording of a Declaration of Covenants and Restrictions that includes a full listing of Engineering Controls and Institutional Controls and notice that these controls must be maintained within a Site Management Plan to prevent future exposure to any residual contamination remaining at the Site.

15. Establishment in a recorded Declaration of Covenants and Restrictions, a series of Institutional Controls on the Site, including: (1) compliance with the provisions of the recorded Declaration of Covenants and Restrictions; (2) compliance with provisions of the approved Site Management Plan; (3) operation and maintenance of Engineering Controls as specified in the Site Management Plan; (4) inspection and certification of all Engineering Controls at a frequency and in a manner defined in the Site Management Plan; (5) reporting at a frequency and in a manner defined in the Site Management Plan; and (6) prohibition of discontinuation of Engineering Controls without an OER-approved amendment or extinguishment of the Declaration of Covenants and Restrictions.

16. Establishment in a recorded Declaration of Covenants and Restrictions, a series of site restriction Institutional Controls on the Site, including: (1) prohibition of vegetable gardening and farming; (2) prohibition of the use of groundwater without treatment rendering it safe for the intended use; (3) prohibition on all disturbance of residual contaminated material unless it is conducted in accordance with the provisions in the Site Management Plan; and (4) prohibition on higher level of land usage without an OER-approved amendment or extinguishment of this Declaration of Covenants and Restrictions.

17. Submission of a RAR which describes the remedial activities including any changes from this RAWP, certifies that the remedial requirements have or will be achieved, defines the Site boundaries, and describes any Engineering and Institutional Controls to be implemented at the Site.

18. Submission of an approved Site Management Plan in the Remedial Action Report for long-term management of residual contamination, including plans for Institutional and Engineering Controls for: (1) inspection and certification, (2) monitoring, (3) operation and maintenance, and (4) reporting.

Remedial activities will be performed at the Site in accordance with this OER-approved RAWP. All deviations from the RAWP will be promptly reported to OER. Changes will be documented in the RAR.

4.2 SOIL CLEANUP OBJECTIVES AND SOIL/FILL MANAGEMENT

Track 2 Restricted Residential cleanup standards are proposed for this project. The Soil Cleanup Objectives (SCOs) for this Site are listed in Table 4 of the RIR.

Soil and materials management on-Site and off-Site will be conducted in accordance with the soil management plan as described below. All primary contaminant sources (such as hotspots) identified during the remedial action will be identified by GPS or surveyed by a surveyor licensed to practice in the State of New York. This information will be provided on maps in the Remedial Action Report.

Estimated Soil/Fill Removal Quantities

The total quantity of soil/fill expected to be excavated and disposed off-Site is 10,000 tons. Disposal facilities will be reported to OER when they are identified and prior to the start of remedial action.

End-Point Sampling

End-point sampling frequency will consist of the following:

1. For excavations less than 20 feet in total perimeter, at least one bottom sample and one sidewall sample biased in the direction of surface runoff.
2. For excavations 20 to 300 feet in perimeter:
3. For surface removals, one sample from the top of each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.
4. For subsurface removals, one sample from each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.

Post-remediation sample locations and depth will be biased towards the areas and depths of highest contamination identified during previous sampling episodes unless field indicators such as field instrument measurements or visual contamination identified during the remedial action indicate that other locations and depths may be more heavily contaminated. In all cases, post-remediation samples should be biased toward locations and depths of the highest expected contamination.

Analytical Methodology

All end-point samples will be analyzed utilizing the following methodology:

All soil samples will be analyzed for:

- volatile organic compounds (VOCs) by EPA Method 8260;
- semi-volatile organic compounds (SVOCs) by EPA Method 8270;
- Target Analyte List (TAL) metals; and
- pesticides/PCBs by EPA Method 8081/8082.

If required, groundwater samples will be analyzed for:

- VOCs by EPA Method 8260;
- SVOCs by EPA Method 8270;
- TAL metals, and
- Pesticides/PCBs by Method 8081/8082.

If required, soil gas samples will be analyzed for VOCs by EPA method TO-15.

If either LNAPL and/or DNAPL are detected a sample will be collected for characterization and "finger print analysis".

In addition to end point sampling, several supplemental off-site soil vapor samples will be collected during the remedial action to repeat supplemental sampling performed during the remedial investigation.

Reporting of End-Point Data in Remedial Action Report

Chemical labs used for all end-point sample analytical results will be ELAP certified and will be reported in the RAR. The RAR will provide a tabular and map summary of all end-point sample results.

Quality Assurance/Quality Control

Decontamination Procedures

Prior to arrival on the Site and between sample locations, all sampling tools/equipment will be decontaminated using the following methods: 1) remove all adherent soil material with stiff bristle brush; 2) wash with a laboratory grade glassware detergent or Alconox; 3) steam clean interior and exterior of the screened auger sampler and all associated augers; 4) allow to air dry.

Laboratory

The laboratory will be an ELAP-certified laboratory by the New York State Department of Health. The laboratory will follow the QA/QC control procedures specific in the approved analytical methods. Standard reporting deliverables for the analytical results will be provided (not Category B Deliverables). Soil results will be reported on a dry weight basis.

Sample Holding Times/Handling and Shipment

Samples will be submitted to the laboratory as soon as practicable subsequent to sample collection. Holding times will be met in accordance with the approved analytical methods for each analysis required. The soil samples will be placed in laboratory sample jars, transferred to storage/transportation coolers and preserved with ice, and shipped under proper chain-of-custody procedures to an NYSDOH-ELAP certified commercial laboratory for analysis.

Field Blanks

A field blank is a sample of analyte-free water transferred, at the project site, into an appropriate container for the purpose of distinguishing ambient air contamination from in-situ sample contamination. Field blanks are used to indicate potential cross contamination from sampling equipment as quality control of decontamination procedures. One field blank will be collected for every work day that sampling is conducted at the site. The procedure for obtaining a field blank sample are as follows: collect two sets of sample vessels. One vessel shall contain analyte free water and the other is empty. Run the analyte free water through the decontaminated sampling equipment into the empty vessel. Analye the water of this collecting vessel for target analytes.

Trip Blanks

A trip blank is used to identify the presence of volatile compound contamination attributable to transfer across a sample container septum during shipping and storage of samples. A trip blank is a sample of analyte-free matrix that is transported from the laboratory to the sampling site with the sample containers. The trip blank is stored on-site with the sample containers and field samples and then transported back to the laboratory with the samples for analysis. The trip blank is received and processed as a sample by the laboratory. One trip blank shall be submitted per cooler from laboratory personnel. The holding time for the trip blank in the field shall be 7 days.

Duplicate Samples

Duplicate samples will be collected to verify QA/QC data accuracy at the selected laboratory. One duplicate sample will be analyzed for every twenty samples submitted to the laboratory.

Sample Transfer

Samples shall be containerized and immediately transferred within a cooler with minimal disturbance. Chain-of-custody forms will be completed at the time of sample collection and will accompany the samples inside a cooler for transfer from sample team to mobile laboratory representatives.

Sample Containers and Analytical Requirements

All sample vessels will be "level A" certified decontaminated containers supplied by a New York State Certified Commercial Laboratory. Samples analyzed for hydrocarbons will be placed in containers with Teflon lined caps. All samples will be preserved by cooling them to a temperature of approximately four degrees Celsius. If glass bottles are used, extra glass bottles will be obtained from the laboratory to allow for accidental breakage that may occur. Necessary preservatives will be placed in the sample bottles by the laboratory. The sample bottles will be handled carefully so that preservatives and glassware are not inadvertently spilled. All liquid samples will be put into 40-ml glass vials with Teflon liners.

Chain-of-Custody Protocol

The primary objective of the sample custody procedures is to create an accurate written record that can be used to trace the possession and handling of all samples from the moment of their collection, through analysis, until their final disposition. Sample custody for samples collected during the investigation will be maintained by the field personnel collecting the samples. Field personnel are responsible for documenting each sample transfer and maintaining custody of all samples until they are transferred to the laboratory.

Import and Reuse of Soils

Import of soils onto the property and reuse of soils already onsite will be performed in conformance with the Soil/Materials Management Plan in Appendix 3. The estimated quantity of soil to be imported into the Site for backfill and cover soil is unknown at this time. The estimated quantity of onsite soil/fill expected to be reused/relocated on Site is unknown at this time.

4.3 ENGINEERING CONTROLS

Engineering Controls will be employed in the remedial action to address residual contamination remaining at the site. The Site has three primary Engineering Control Systems. These are:

- composite cover system consisting of concrete building slabs, concrete covered open space, and open space with 2 feet of clean cover soil;
- soil vapor barrier beneath the concrete slab and outside foundation sidewalls;
- Active sub-slab depressurization system.

Vapor Barrier System

A high density polyethylene (HDPE) vapor barrier or retarder membrane (herein designated as "vapor barrier") will be installed over the entire footprint of the building and foundation sidewalls during construction of the new building slab on grade. The vapor barrier membrane will be a conservative measure to prevent human exposure. The vapor barrier materials shall have a minimum thickness of 20 mils (0.5 mm). The vapor barrier will be ECC VIP Type 2 or equivalent. The membrane will be overlapped by a minimum of 6 inches and secured with mastic or asphaltic tape. Conduits penetrating the slab surface will be sealed with mastic or HDPE boots secured with the asphaltic tape. Inspections of the vapor barrier installation will be performed under the oversight of a Professional Engineer.

Sub-Slab Depressurization System

The SSDS will provide a conduit for potential residual soil gas vapors to vent to the atmosphere. Said SSDS consists of vapor collecting screen/pipes within the building footprint.

Schedule 40 slotted PVC screens will be installed within the building footprint underneath the slab. PVC screens will be installed 1 foot below slab. The screens will be backfilled over and compacted with clean 3/4-inch pea gravel. Total depth of compacted gravel surrounding piping was a minimum of 10-inches thick. PVC screens were manifolded to 4-inch diameter solid PVC pipes and then to 4-inch diameter steel riser.

Upon completion of the building renovation, the riser will raise 3-feet above the roof. A rain cap will be installed at the end of the riser. The SSDS will be operated actively by installation of a fan on the riser.

Composite Cover System

Exposure to residual soil/fill will be prevented by an engineered, composite cover system to be built on the Site. This composite cover system is comprised of:

- 2-feet of clean cover soil and concrete pavement in open spaces;
- asphalt covered roads;
- concrete covered sidewalks;
- concrete building slabs.

The composite cover system is a permanent engineering control for the Site. The system will be inspected and certified at specified intervals as required by this RAWP and the SMP. A Soil Management Plan will be included in the Site Management Plan and will outline the procedures to be followed in the event that the composite cover system and underlying residual soil/fill is disturbed after the remedial action is complete. Maintenance of this composite cover system will be described in the Site Management Plan in the RAR.

4.4 INSTITUTIONAL CONTROLS

Institutional Controls (IC) have been incorporated in this remedial action to manage residual soil/fill and other media and render the Site protective of public health and the environment. Institutional Controls are listed below. Long-term employment of EC/ICs will be established in a Declaration of Covenant and Restrictions (DCR) assigned to the property by the title holder and will be implemented under a site-specific Site Management Plan (SMP) that will be included in the RAR.

Institutional Controls for this remedial action are:

- Recording of an OER-approved Declaration of Covenant and Restrictions (DCR) with the City Register or county clerk, as appropriate. The DCR will include a description of all ECs and ICs, will summarize the requirements of the Site Management Plan, and will note that the property owner and property owner's successors and assigns must comply with the DCR and the approved SMP. The recorded DCR will be submitted in the Remedial Action Report. The DCR will be recorded prior to OER issuance of the Notice of Completion;
- Submittal of a Site Management Plan in the RAR for approval by OER that provides procedures for appropriate operation, maintenance, monitoring, inspection, reporting and certification of ECs. SMP will require that the property owner and property owner's successors and assigns will submit to OER a periodic written statement that certifies that: (1) controls employed at the Site are unchanged from the previous certification or that any changes to the controls were approved by OER; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. OER retains the right to enter the Site in order to evaluate the continued maintenance of any controls. This certification shall be submitted annually and will comply with RCNY §43-1407(l)(3).
- Vegetable gardens and farming on the Site are prohibited;
- Use of groundwater underlying the Site is prohibited without treatment rendering it safe for its intended use;

- All future activities on the Site that will disturb residual material must be conducted pursuant to the soil management provisions in an approved SMP;
- The Site will be used for residential (residential senior care facility) use and will not be used for a higher level of use without prior approval by OER.

4.5 SITE MANAGEMENT PLAN

Site Management is the last phase of remediation and begins with the approval of the Remedial Action Report and issuance of the Notice of Completion (NOC) for the Remedial Action. The Site Management Plan (SMP) describes appropriate methods and procedures to ensure implementation of all ECs and ICs that are required by the DCR and this RAWP. The Site Management Plan is submitted as part of the RAR but will be written in a manner that allows its use as an independent document. Site Management continues until terminated in writing by OER. The property owner is responsible to ensure that all Site Management responsibilities defined in the DCR and the Site Management Plan are implemented.

The SMP will provide a detailed description of the procedures required to manage residual soil/fill left in place following completion of the remedial action in accordance with the Brownfield Cleanup Agreement with OER. This includes a plan for: (1) implementation of EC's and ICs; (2) implementation of monitoring programs; (3) operation and maintenance of EC's; (4) inspection and certification of EC's; and (5) reporting.

Site management activities, reporting, and EC/IC certification will be scheduled on an periodic basis to be established in the SMP and will be subject to review and modification by OER. The Site Management Plan will be based on a calendar year and certification reports will be due for submission to OER by March 31 of the year following the reporting period.

4.6 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

Investigations reported in the Remedial Investigation Report (RIR) are sufficient to complete a Qualitative Human Health Exposure Assessment (QHHEA). As part of the BCP process, a QHHEA was performed to determine whether the Site poses an existing or future health hazard to the Site's exposed or potentially exposed population. The sampling data from the RI were evaluated to determine whether there is any health risk by characterizing the exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. This EA was prepared in accordance with Appendix 3B and Section 3.3 (b) 8 of the NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation.

Potential Exposure Pathways

The five elements of an exposure pathway are: (1) a contaminant source; (2) contaminant release and transport mechanisms; (3) a point of exposure; (4) a route of exposure; and (5) a receptor population. An exposure pathway is considered complete when all five elements of an exposure pathway are documented. A potential exposure pathway exists when any one or more of the five elements comprising an exposure pathway cannot be documented. An exposure pathway may be eliminated from further evaluation when any one of the five elements comprising an exposure pathway has not existed in the past, does not exist in the present, and will never exist in the future.

Nature, Extent, Fate and Transport of Contaminants

Based on the results of the RIR the contaminants of concern are as followed:

Soil:

- VOCs including: acetone toluene and 1,4 dichlorobenzene above Track 1 SCOs and a variety of VOCs below Track 1 SCOs including tetrachloroethylene. Eight pesticides were detected soils on this property above Track 1 SCOs.Inorganics including: lead, barium, cadmium, mercury and zinc.

Groundwater:

- VOCs including: chloroform, tetrachloroethylene and trichloroethene
- Inorganics including: barium, chromium, copper, lead and manganese

Soil Vapor:

- Significant levels of tetrachloroethylene and a variety of other VOCs including BTEX and associated derivatives were detected at low levels in the soil vapor point samples.

Potential Routes of Exposure

An exposure route is the mechanism by which a receptor comes into contact with a chemical. Three potential primary routes exist by which chemicals can enter the body:

- Ingestion of water, fill or soil;
- Inhalation of vapors and particulates; and
- Dermal contact with water, fill, soil or building materials.

Receptor Populations

Land Use of the Site and Neighboring Properties - Current and Future

The Site is currently unimproved land. The area immediately surrounding the Site is residential with some small stores. The proposed future use of the Site is senior citizen residential five story building with a basement. The land use in the surrounding area is anticipated to remain residential since several new similar projects have recently been completed or are under construction in this neighborhood.

On-Site Receptors - The on-site potential sensitive receptors include adult and child visitors, commercial workers, pedestrians, and trespassers. The proposed redevelopment of the Site includes the construction of 5 story residential building with a single story basement. During redevelopment of the Site, the on-site potential sensitive receptors will include construction workers. Once the Site is redeveloped, the on-site potential sensitive receptors will include: adult and child residents, maintenance staff, building residents, and commercial workers.

Off-Site Receptors - Potential off-site receptors within a 0.25-mile radius of the Site include: adult and child residents, and commercial and construction workers, pedestrians, trespassers, and cyclists, based on the following:

1. Commercial Businesses (up to 0.25 mile) – existing and future
2. Residential Buildings (up to 0.25 mile) – existing and future
3. Building Construction/Renovation (up to 0.25 mile) – existing and future
4. Pedestrians, Trespassers, Cyclists (up to .25 mile) – existing and future
5. Schools (up to .25 mile) – existing and future

Existence of Human Health Exposure

Existing

As the Site is not covered and has exposed soil there is a potential exposure pathways from the soil/fill. In addition, there is a potential exposure pathway from soil gas to enter into the two-story building as a result of any foundation slab/wall openings or cracks. The potential receptors from such a migration pathway into the building would be to commercial workers. The primary route of exposure would be inhalation.

There is an existing potential exposure pathway from soil gas if present offsite to enter into the adjoining buildings as a result of any sub-basement floor or lower wall openings/cracks. The indoor air quality at the adjoining properties may be susceptible to contamination from subsurface vapor intrusion. The potential receptors from such a migration pathway into the building would be to off-site commercial workers, and adult and child residents. The primary route of exposure would be inhalation.

Future

Once redevelopment activities begin, there will be a potential exposure pathway from contaminated surface and subsurface soil/fill to construction workers as a result of on-site construction/excavation activities. On-site construction workers potentially could ingest, inhale or have dermal contact with any exposed impacted fill or soils. Similarly, off-site receptors could be exposed to dust from onsite activities. During construction, on-site off-site exposures to contaminated dust from on-site will be addressed through dust controls, and through the implementation of the community air monitoring program and a construction health and safety plan.

Once the remedial actions and redevelopment of the Site has been completed, there will be no potential on-site or off-site exposure pathways to adult and child residents, maintenance staff, community residents, and commercial workers. Removal of more than 12 feet of soil/fill on-site and the VOC hotspot in the vicinity of SP-4 will remove possible onsite sources of soil vapor and inhalation of any potential off-gassing of VOC vapors from off-site sources. Any on-site exposures to residual vapors and vapors from off-site sources will be eliminated by implementation of the vapor barrier and operation of an active SSDS Direct exposures to residual soils and production of dust that might impact on-site or off-site receptors will be prevented by the construction of the composite site cover. Long term assurance of these protections will be achieved by site inspections and periodic certifications under an approved Site Management Plan and Declaration of Covenant and Restrictions.

Overall Human Health Exposure Assessment

Based upon this analysis, currently, there are two potential exposure pathways: 1) from soil gas to enter structures as a result of any foundation slab/wall openings or cracks; and, 2) direct exposure to on-site soils and dust from on-site soils. The on-site potential sensitive receptors include adult and child visitors, commercial workers, pedestrians, trespassers and commercial workers. The potential off-site receptors

are construction and commercial workers, and adult and child residents. The primary route of exposure would be inhalation and dermal contact onsite and inhalation off site.

During remedial construction, on-site and off-site exposures to contaminated dust from contaminated soils will be addressed through dust controls, and through the implementation of the community air monitoring program and a construction health and safety plan.

After the remedial action is complete, there will be no remaining exposure pathways. More than 12 feet of soil/fill onsite and the VOC hotspot in the vicinity of SP-4 will be removed and will greatly reduce possible onsite sources of contamination in groundwater and soil vapor and will mitigate any potential on-site and off-site impacts. The vapor barrier, SSDS and the composite cover and long-term site management will interrupt any remaining exposure pathways. Continued protection after the remedial action is complete will be achieved by the implementation of site management including periodic inspection and certification of the performance of remedial controls.

5.0 REMEDIAL ACTION MANAGEMENT

5.1 PROJECT ORGANIZATION AND OVERSIGHT

Principal personnel who will participate in the remedial action include James Cressy and Kevin Kleaka. The Professional Engineer (PE) and Qualified Environmental Professionals (QEP) for this project are Joel Rogers and Kevin Kleaka.

5.2 SITE SECURITY

Site access will be controlled by having a fence around the entire property with gated entrances for workers.

5.3 WORK HOURS

The hours for operation of remedial construction will be from 7am to 5pm. These hours conform to the New York City Department of Buildings construction code requirements.

5.4 CONSTRUCTION HEALTH AND SAFETY PLAN

The Health and Safety Plan is included in Appendix 4. The Site Safety Coordinator will be Wen Qing Fang from Impact Environmental. Remedial work performed under this RAWP will be in full compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work is in compliance with the HASP and applicable laws and regulations. The HASP pertains to remedial and invasive work performed at the Site until the issuance of the Notice of Completion.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the HASP and be required to sign an HASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical,

environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the HASP. That document will define the specific project contacts for use in case of emergency.

5.5 COMMUNITY AIR MONITORING PLAN

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedences of action levels observed during performance of the Community Air Monitoring Plan (CAMP) will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic

vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review.

5.6 AGENCY APPROVALS

All permits or government approvals required for remedial construction have been or will be obtained prior to the start of remedial construction. Approval of this RAWP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

5.7 SITE PREPARATION

Pre-Construction Meeting

OER will be invited to attend the pre-construction meeting at the Site with all parties involved in the remedial process prior to the start of remedial construction activities.

Mobilization

Mobilization will be conducted as necessary for each phase of work at the Site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

Utility Marker Layouts, Easement Layouts

The presence of utilities and easements on the Site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed incompliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Markout Ticket will be retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAWP. The

integrity and safety of on-Site and off-Site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAWP.

Dewatering

Dewatering in not expected for this project.

Equipment and Material Staging

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations.

Stabilized Construction Entrance

Steps will be taken to ensure that trucks departing the site will not track soil, fill or debris off-Site. Such actions may include use of cleaned asphalt or concrete roads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to ensure that adjacent roadways will be kept clean of project related soils, fill and debris.

Truck Inspection Station

An outbound-truck inspection station will be set up close to the Site exit. Before exiting the NYC BCP Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms, shovels and potable water will be utilized for the removal of soil from vehicles and equipment, as necessary.

5.8 TRAFFIC CONTROL

Drivers of trucks leaving the NYC BCP Site with soil/fill will be instructed to proceed without stopping in the vicinity of the site to prevent neighborhood impacts. The planned route on local roads for trucks leaving the site is from West Tremont Avenue. The trucks will then proceed to Highway 87 (the Major Deegan Expressway). A map of this route is included in **Figure 6**.

5.9 DEMOBILIZATION

Demobilization will include:

- As necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access area);
- Removal of sediment from erosion control measures and truck wash and disposal of materials in accordance with applicable laws and regulations;
- Equipment decontamination, and;
- General refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (*e.g.*, soil excavators) will be washed at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

5.10 REPORTING AND RECORD KEEPING

Daily Reports

Daily reports providing a general summary of activities for each day of *active remedial work* will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the Site;
- Status of on-Site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP excursions, if any;
- Photograph of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAWP will be communicated directly to the OER project

manager by personal communication. Daily reports will be included as an Appendix in the Remedial Action Report.

Record Keeping and Photo-Documentation

Job-site record keeping for all remedial work will be performed. These records will be maintained on-Site during the project and will be available for inspection by OER staff. Representative photographs will be taken of the Site prior to any remedial activities and during major remedial activities to illustrate remedial program elements and contaminant source areas. Photographs will be submitted at the completion of the project in the RAR in digital format (i.e. jpeg files).

5.11 COMPLAINT MANAGEMENT

All complaints from citizens will be promptly reported to OER. Complaints will be addressed and outcomes will also be reported to OER in daily reports. Notices to OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve any problems.

5.12 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

All changes to the RAWP will be reported to the OER Project Manager and will be documented in daily reports and reported in the Remedial Action Report. The process to be followed if there are any deviations from the RAWP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAWP;
- Effect of the deviations on overall remedy; and
- Determination that the remedial action with the deviation(s) is protective of public health and the environment.

5.13 DATA USABILITY SUMMARY REPORT

The primary objective of a Data Usability Summary Report (DUSR) is to determine whether or not data meets the site specific criteria for data quality and data use. The DUSR provides an evaluation of analytical data without third party data validation. The DUSR for post-remedial samples collected during implementation of this RAWP will be included in the Remedial Action Report (RAR).

6.0 REMEDIAL ACTION REPORT

A Remedial Action Report (RAR) will be submitted to OER following implementation of the remedial action defined in this RAWP. The RAR will document that the remedial work required under this RAWP has been completed and has been performed in compliance with this plan. The RAR will include:

- Information required by this RAWP;
- As-built drawings for all constructed remedial elements, required certifications, manifests and other written and photographic documentation of remedial work performed under this remedy;
- Site Management Plan;
- Description of any changes in the remedial action from the elements provided in this RAWP and associated design documents;
- Tabular summary of all end point sampling results and all material characterization results, QA/QC results for end-point sampling, and other sampling and chemical analysis performed as part of the remedial action and DUSR;
- Test results or other evidence demonstrating that remedial systems are functioning properly;
- Account of the source area locations and characteristics of all contaminated material removed from the Site including a map showing source areas;
- Account of the disposal destination of all contaminated material removed from the Site. Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material.
- Account of the origin and required chemical quality testing for material imported onto the Site.
- Recorded Declaration of Covenants and Restrictions.
- Reports and supporting material will be submitted in digital form.

Remedial Action Report Certification

The following certification will appear in front of the Executive Summary of the Remedial Action Report. The certification will include the following statements:

I, Joel Rogers, am currently a professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the 92 West Tremont Avenue, BCP # 12CBCPO16X.

I, James Cressy, am a qualified Environmental Professional. I had primary direct responsibility for implementation remedial program for the 92 West Tremont Avenue, BCP # 12CBCPO16X Site.

I certify that the OER-approved Remedial Action Work Plan dated month day year and Stipulations in a letter dated month day, year; if any were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

7.0 SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER. Currently, a two month remediation period is anticipated.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
OER Approval of RAWP	September, 2011	-
Fact Sheet 2 announcing start of remedy	December, 2011	-
Mobilization	January 2012	-
Remedial Excavation	January 2012	-
Demobilization	May 2012	-
Record Declaration of Covenants and Restrictions	August 2012	-
Submit Remedial Action Report	October 2012	-

APPENDIX 1
CITIZEN PARTICIPATION PLAN

The NYC Office of Environmental Remediation and Promesa Systems have established this Citizen Participation Plan because the opportunity for citizen participation is an important component of the NYC Brownfield Cleanup Program. This Citizen Participation Plan describes how information about the project will be disseminated to the Community during the remedial process. As part of its obligations under the NYC BCP, Promesa Systems will maintain a repository for project documents and provide public notice at specified times throughout the remedial program. This Plan also takes into account potential environmental justice concerns in the community that surrounds the project Site. Under this Citizen Participation Plan, project documents and work plans are made available to the public in a timely manner. Public comment on work plans is strongly encouraged during public comment periods. Work plans are not approved by the NYC Office of Environmental Remediation (OER) until public comment periods have expired and all comments are formally reviewed. An explanation of cleanup plans in the form of a public meeting or informational session is available upon request to OER's project manager assigned to this Site, Shaminder Chawla, who can be contacted about these issues or any others questions, comments or concerns that arise during the remedial process at (212) 788-8841

Project Contact List. OER has established a Site Contact List for this project to provide public notices in the form of fact sheets to interested members of the Community. Communications will include updates on important information relating to the progress of the cleanup program at the Site as well as to request public comments on the cleanup plan. The Project Contact List includes owners and occupants of adjacent buildings and homes, principal administrators of nearby schools, hospitals and day care centers, the public water supplier that serves the area, established document repositories, the representative Community Board, City Council members, other elected representatives and any local Brownfield Opportunity Area (BOA) grantee organizations. Any member of the public or organization will be added to the Site Contact List on request. A copy of the Site Contact List is maintained by OER's project manager. If you would like to be added to the Project Contact List, contact NYC OER at (212) 788-8841 or by email at brownfields@cityhall.nyc.gov.

Repositories. A document repository is maintained in the nearest public library that maintains evening and weekend hours. This document repository is intended to house, for community review, all principal documents generated during the cleanup program including Remedial Investigation plans and reports, Remedial Action work plans and reports, and all public notices and fact sheets produced during the lifetime of the remedial project. Promesa Systems will inspect the repositories to ensure that they are fully populated with project information. The repository for this project is:

Sedwick Library
1701 Dr. Martin L King Jr Boulevard
Bronx, NY 10453-6961
Phone: (718) 731-2074
Hours of Operation:
Mon. 10am to 6pm
Tues. 10am to 6pm
Wed. 10am to 6pm
Thurs. 11am to 7pm
Fri. 10 am to 5pm
Sat. 10am to 5pm
Sun. Closed

Copies of the documents are also available on OER's website: http://www.nyc.gov/oer

Digital Documentation. NYC OER strongly encourages the use of digital documents in repositories as a means of minimizing paper use while also increasing convenience in access and ease of use.

Public Notice and Public Comment. Public notice to all members of the Project Contact List is required at three major steps during the performance of the cleanup program (listed below) and at other points that may be required by OER. Notices will include Fact Sheets with descriptive project summaries, updates on recent and upcoming project activities, repository information, and important phone and email contact information. All notices will be prepared by Promesa Systems, reviewed and approved by OER prior to distribution and mailed by Promesa Systems. Public comment is solicited in public notices for all work plans developed under the NYC Brownfield Cleanup Program. Final review of all work plans by OER will consider all public comments. Approval will not be granted until the public comment period has been completed.

Citizen Participation Milestones. Public notice and public comment activities occur at several steps during a typical NYC BCP project. See flow chart on the following page, which identifies when during the NYC BCP public notices are issued: These steps include:

- **Public Notice of the availability of the Remedial Investigation Report and Remedial Action Work Plan and a 30-day public comment period on the Remedial Action Work Plan.**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the availability of the Remedial Investigation Report and Remedial Action Work Plan and the initiation of a 30-day public comment period on the Remedial Action Work Plan. The Fact Sheet summarizes the findings of the RIR and provides details of the RAWP. The public comment period will be extended an additional 15 days upon public request. A public meeting or informational session will be conducted by OER upon request.

- **Public Notice announcing the approval of the RAWP and the start of remediation**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the approval of the RAWP and the start of remediation.

- **Public Notice announcing the completion of remediation, designation of Institutional and Engineering Controls and issuance of the Notice of Completion**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the completion of remediation, providing a list of all Institutional and Engineering Controls implemented for to the Site and announcing the issuance of the Notice of Completion.

APPENDIX 2
SUSTAINABILITY STATEMENT

This Sustainability Statement documents sustainable activities and green remediation efforts planned under this remedial action.

Reuse of Clean, Recyclable Materials. Reuse of clean, locally-derived recyclable materials reduces consumption of non-renewable virgin resources and can provide energy savings and greenhouse gas reduction.

Best efforts will be made to quantify energy efficiencies achieved during the remediation and will be reported in the Remedial Action Report (RAR). Where energy savings cannot be easily quantified, a gross indicator of the amount of energy saved or the means by which energy savings was achieved will be reported.

Conversion to Clean Fuels. Use of clean fuel improves NYC's air quality by reducing harmful emissions.

An estimate of the volume of clean fuels used during remedial activities will be quantified and reported in the RAR.

Recontamination Control. Recontamination after cleanup and redevelopment is completed undermines the value of work performed, may result in a property that is less protective of public health or the environment, and may necessitate additional cleanup work later or impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of contamination from off-Site.

An estimate of the area of the Site that utilizes recontamination controls under this plan will be reported in the RAR in square feet.

Storm-water Retention. Storm-water retention improves water quality by lowering the rate of combined storm-water and sewer discharges to NYC's sewage treatment plants during periods of precipitation, and reduces the volume of untreated influent to local surface waters.

An estimate of the enhanced storm-water retention capability of the redevelopment project will be included in the RAR.

Linkage with Green Building. Green buildings provide a multitude of benefits to the city across a broad range of areas, such as reduction of energy consumption, conservation of resources, and reduction in toxic materials use.

The number of Green Buildings that are associated with this brownfield redevelopment property will be reported in the RAR. The total square footage of green building space created as a function of this brownfield redevelopment will be quantified for residential, commercial and industrial/manufacturing uses.

Paperless Brownfield Cleanup Program. Impact Environmental is participating in OER's Paperless Brownfield Cleanup Program. Under this program, submission of electronic documents will replace submission of hard copies for the review of project documents, communications and milestone reports.

Low-Energy Project Management Program. Impact Environmental is participating in OER's low-energy project management program. Under this program, whenever possible, meetings are held using remote communication technologies, such as videoconferencing and teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation.

Trees and Plantings. Trees and other plantings provide habitat and add to NYC's environmental quality in a wide variety of ways. Native plant species and native habitat provide optimal support to local fauna, promote local biodiversity, and require less maintenance.

An estimate of the land area that will be vegetated, including the number of trees planted or preserved, will be reported in square feet in the RAR.

APPENDIX 3

SOIL/MATERIALS MANAGEMENT PLAN

1.1 SOIL SCREENING METHODS

Visual, olfactory and PID soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the RAR. Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Completion.

1.2 STOCKPILE METHODS

Excavated soil from suspected areas of contamination (e.g., hot spots, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

1.3 CHARACTERIZATION OF EXCAVATED MATERIALS

Soil/fill or other excavated media that is transported off-Site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-Site will be managed as defined in this plan.

1.4 MATERIALS EXCAVATION, LOAD-OUT AND DEPARTURE

The PE/QEP overseeing the remedial action will:

- oversee remedial work and the excavation and load-out of excavated material;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- ensure that Site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this RAWP;
- ensure that the presence of utilities and easements on the Site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the Site;
- ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during Site remediation.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-Site will not be performed without prior OER approval.

1.5 OFF-SITE MATERIALS TRANSPORT

Loaded vehicles leaving the Site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners will be used. Queuing of trucks will be performed on-Site, when possible in order to minimize off Site disturbance. Off-Site queuing will be minimized.

Outbound truck transport routes are show in **Figure 6**. This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with Site materials will travel from the Site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site.

1.6 MATERIALS DISPOSAL OFF-SITE

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Enrollee to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in the Bronx, New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Enrollee. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RAR.

The Remedial Action Report will include an itemized account of the destination of all material removed from the Site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RAR.

All impacted soil/fill or other waste excavated and removed from the Site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations. Historic fill and contaminated soils taken off-Site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-Site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RAR. A manifest system for off-Site transportation of exported materials will be employed. Manifest information will be reported in the RAR. Hazardous wastes derived from on-Site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

1.7 MATERIALS REUSE ON-SITE

Soil and fill that is derived from the property that meets the soil cleanup objectives established in this plan may be reused on-Site. The soil cleanup objectives for on-Site reuse are listed in **Table 1**. 'Reuse on-Site' means material that is excavated during the remedy or development, does not leave the property, and is relocated within the same property and on comparable soil/fill material, and addressed

pursuant to the NYC BCP agreement subject to Engineering and Institutional Controls. The PE/QEP will ensure that reused materials are segregated from other materials to be exported from the Site and that procedures defined for material reuse in this RAWP are followed. The expected location for placement of reused material is shown in **Figure 7**.

Organic matter (wood, roots, stumps, etc.) or other waste derived from clearing and grubbing of the Site will not be buried on-Site. Soil or fill excavated from the site for grading or other purposes will not be reused within a cover soil layer or within landscaping berms.

1.8 DEMARCATION

After completion of hotspot removal and any other invasive remedial activities, and prior to backfilling, the top of the residual soil/fill will be defined by one of three methods: (1) placement of a demarcation layer. The demarcation layer will consist of geosynthetic fencing or equivalent material to be placed on the surface of residual soil/fill to provide an observable reference layer. A description or map of the approximate depth of the demarcation layer will be provided in the SMP; or (2) a land survey of the top elevation of residual soil/fill before the placement of cover soils, pavement and associated sub-soils, or other materials or structures or, (3) all materials beneath the approved cover will be considered impacted and subject to site management after the remedy is complete. Demarcation may be established by one or any combination of these three methods. As appropriate, a map showing the method of demarcation for the Site and all associated documentation will be presented in the RAR.

This demarcation will constitute the top of the site management horizon. Materials within this horizon require adherence to special conditions during future invasive activities as defined in the Site Management Plan.

1.9 IMPORT OF BACKFILL SOIL FROM OFF-SITE SOURCES

This Section presents the requirements for imported fill materials to be used below the cover layer and within the clean soil cover layer. All imported soils will meet OER-approved backfill and cover soil quality objectives for this Site. The backfill and cover soil quality objectives are listed in **Table 2**.

A process will be established to evaluate sources of backfill and cover soil to be imported to the Site, and will include an examination of source location, current and historical use(s), and any applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the Site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYS DEC.

All materials received for import to the Site will be approved by a PE/QEP and will be in compliance with provisions in this RAWP. The RAR will report the source of the fill, evidence that an inspection was performed on the source, chemical sampling results, frequency of testing, and a Site map indicating the locations where backfill or soil cover was placed.

Source Screening and Testing

Inspection of imported fill material will include visual, olfactory and PID screening for evidence of contamination. Materials imported to the Site will be subject to inspection, as follows:

- Trucks with imported fill material will be in compliance with applicable laws and regulations and will enter the Site at designated locations;
- The PE/QEP is responsible to ensure that every truck load of imported material is inspected for evidence of contamination; and
- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter.

Composite samples of imported material will be taken at a minimum frequency of one sample for every 500 cubic yards of material. Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the Site.

Recycled concrete aggregate (RCA) will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the RAR. A PE/QEP is responsible to ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

1.10 FLUIDS MANAGEMENT

All liquids to be removed from the Site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable laws and regulations. Liquids discharged into the New York City sewer system will receive prior approval by New York City Department of Environmental Protection (NYC DEP). The NYC DEP regulates discharges to the New York City sewers under Title 15, Rules of the City of New York Chapter 19. Discharge to the New York City sewer system will require an authorization and sampling data demonstrating that the groundwater meets the City's discharge criteria. The dewatering fluid will be pretreated as necessary to meet the NYC DEP discharge criteria. If discharge to the City sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-Site treatment facility.

Discharge of water generated during remedial construction to surface waters (i.e. a stream or river) is prohibited without a SPDES permit issued by New York State Department of Environmental Conservation.

1.11 STORM-WATER POLLUTION PREVENTION

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this RAWP (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence toe anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

1.12 CONTINGENCY PLAN

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive Site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the NYS DEC Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-Site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and

surrounding soils and reported to OER. Chemical analytical testing will be performed for TAL metals, TCL volatiles and semi-volatiles, TCL pesticides and PCBs, as appropriate.

1.13 ODOR, DUST AND NUISANCE CONTROL

Odor Control

All necessary means will be employed to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying the Remedial Action Report.

Dust Control

Dust management during invasive on-Site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the PE/QEP's responsible for certifying the Remedial Action Report.

Other Nuisances

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided, during Site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

APPENDIX 4

CONSTRUCTION HEALTH AND SAFETY PLAN

Impact Environmental
Remedial Action Work Plan
BCP # 12CBCPO16X

Figures

Impact Environmental
Remedial Action Work Plan
BCP # 12CBCPO16X

Figure 1: Surrounding Land Use

IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

1560 BROADWAY, SUITE 1024
NEW YORK, NEW YORK 10036
TEL (212) 201-7905 FAX (212) 201-7906

TITLE:
Surrounding Land Use

60 W 177th St &
92 W Tremont Ave.
Bronx, New York

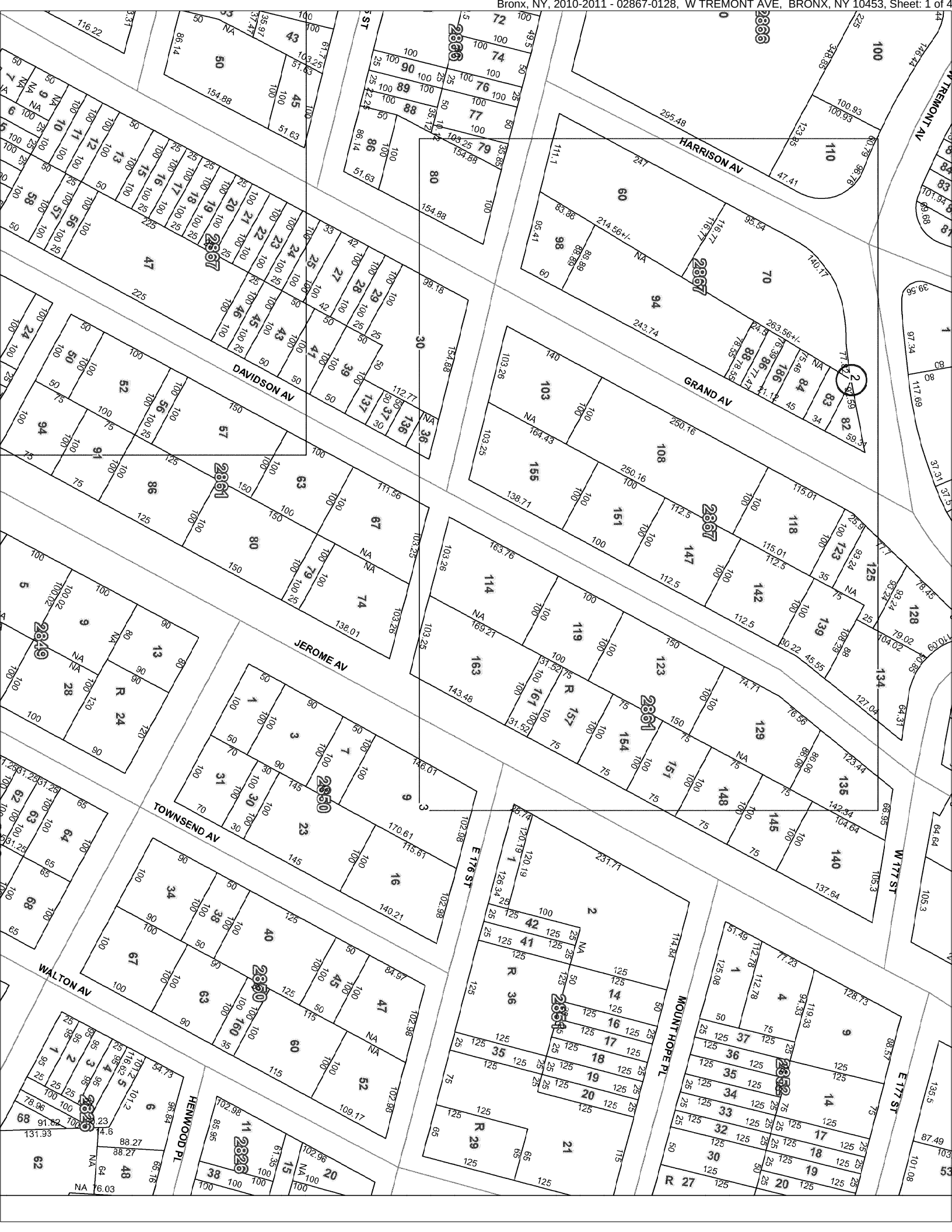
DRAWN BY:	JC
CHECKED BY:	KK
DATE:	06/29/2011
SCALE:	1 : 90

PROJECT #	2166-03-03-3002
Figure #	01

BCP # 12CBPO16X

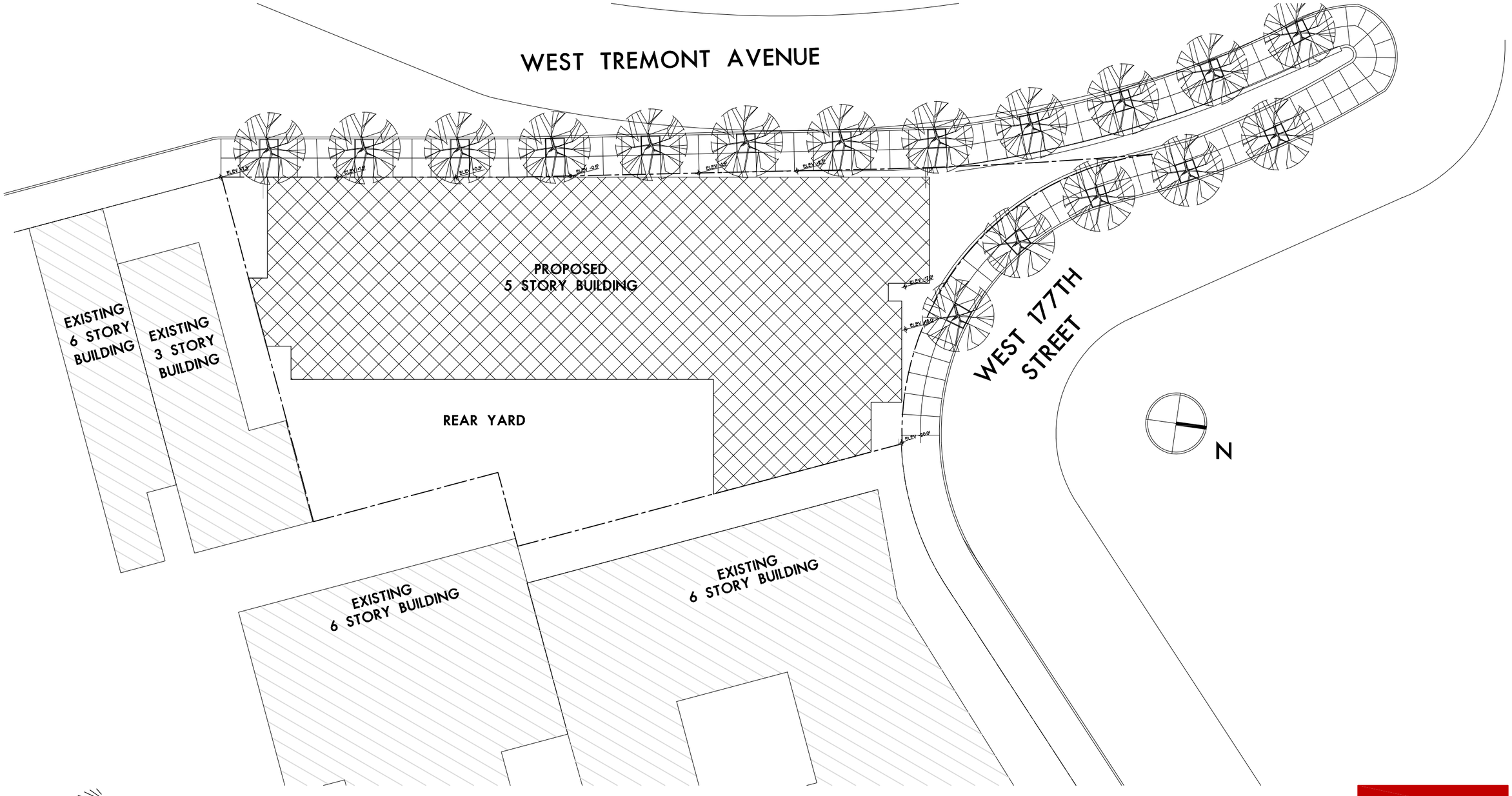
Impact Environmental
Remedial Action Work Plan
BCP # 12CBCPO16X

Figure 2
Site Tax Map


HARRISON AV
DAVIDSON AV
GRAND AV
JEROME AV
TOWNSEND AV
WALTON AV
HENWOOD PL
MOUNT HOPE PL
E 176 ST
W 177 ST
E 177 ST
W TREMONT AV
2867
2866
2861
2850
2849
2864
2852
2826

Impact Environmental
Remedial Action Work Plan
BCP # 12CBCPO16X

Figure 3
Proposed Site Development Plan



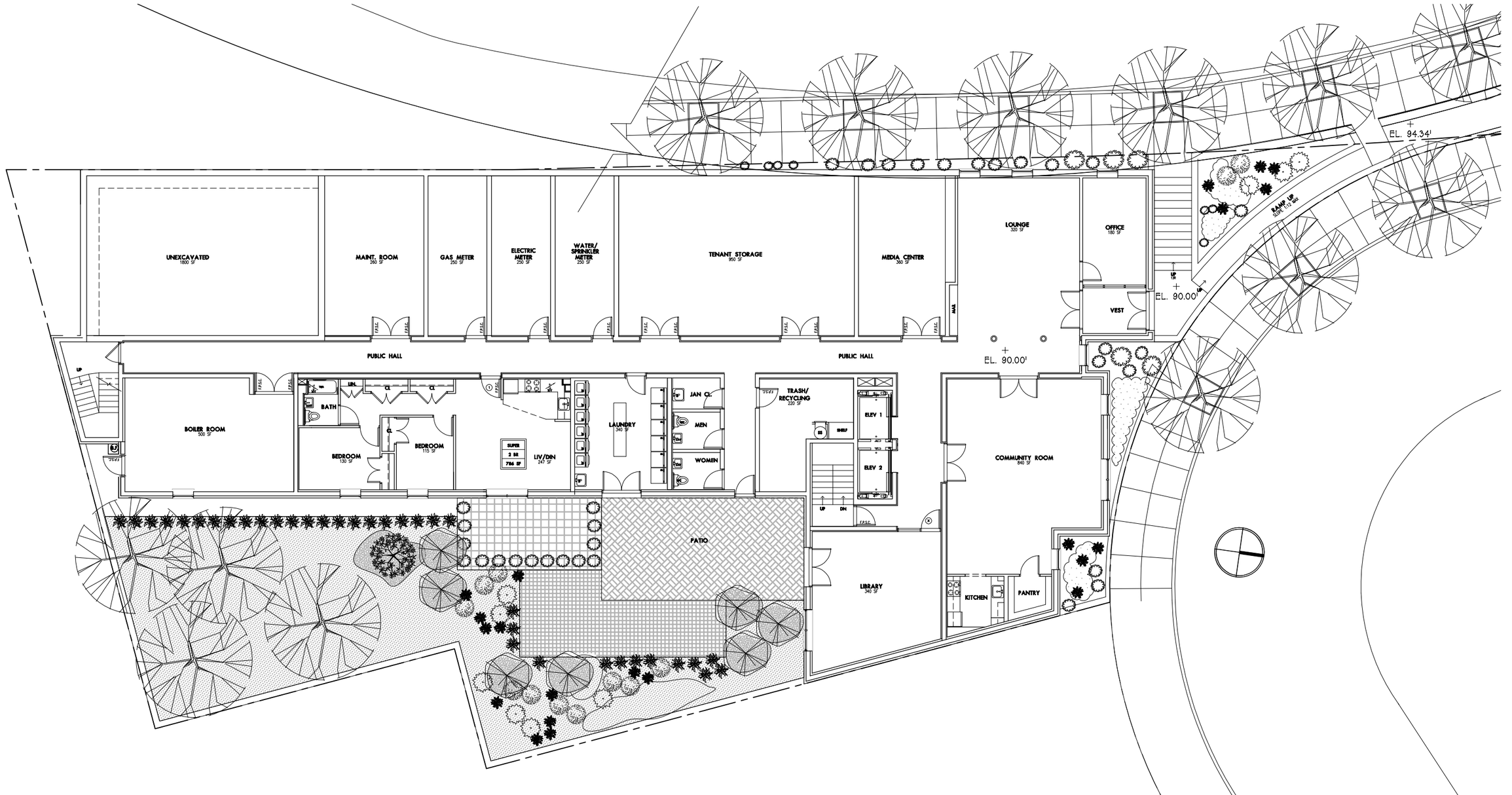
PROMESA

SK-01

SCHEMATIC SITE PLAN

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/3/10

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728



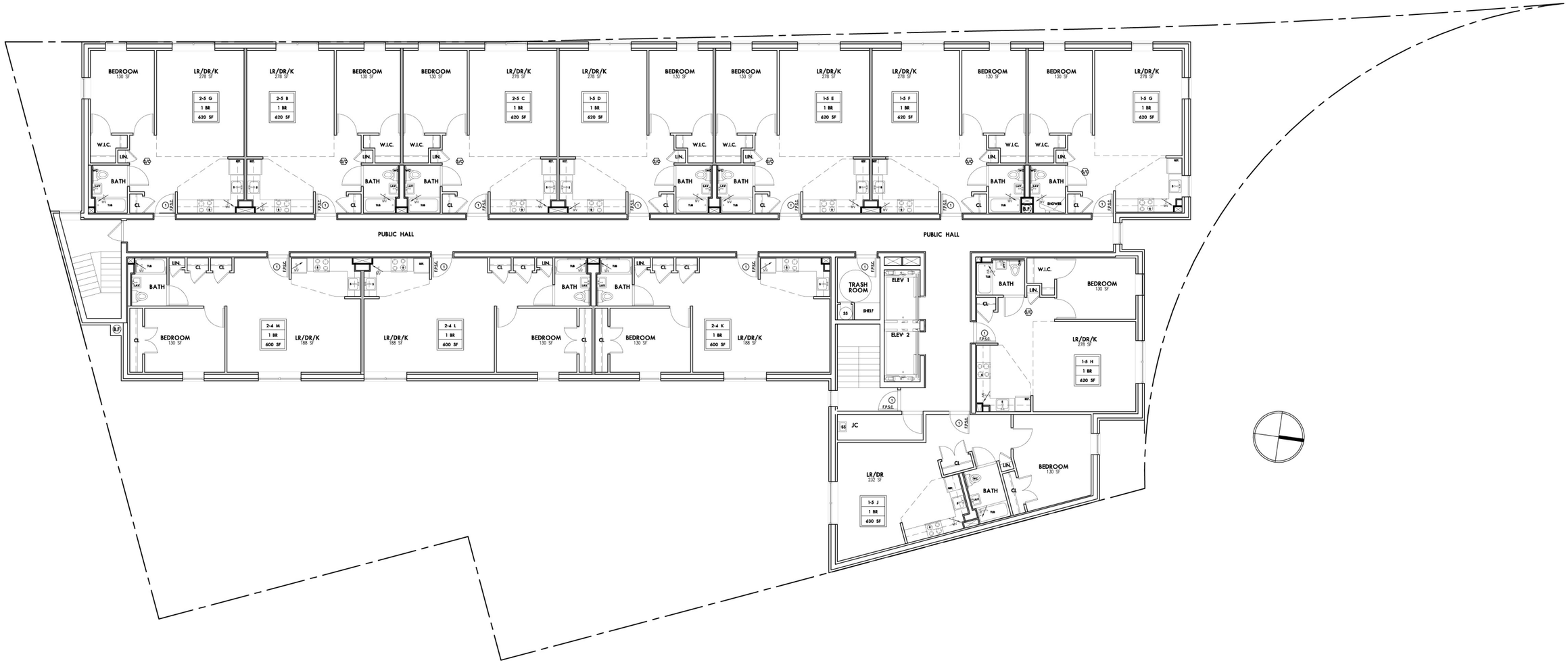
PROMESA

SK-02

SCHEMATIC PLAN - BASEMENT

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/3/10

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728



PROMESA

SK-03

SCHEMATIC PLAN - FLOORS 1-5

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/3/10

OCV
OAKLANDER COOGAN & VITTO PC
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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

PROMESA

SK-04

WEST TREMONT ELEVATION

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/03/10

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

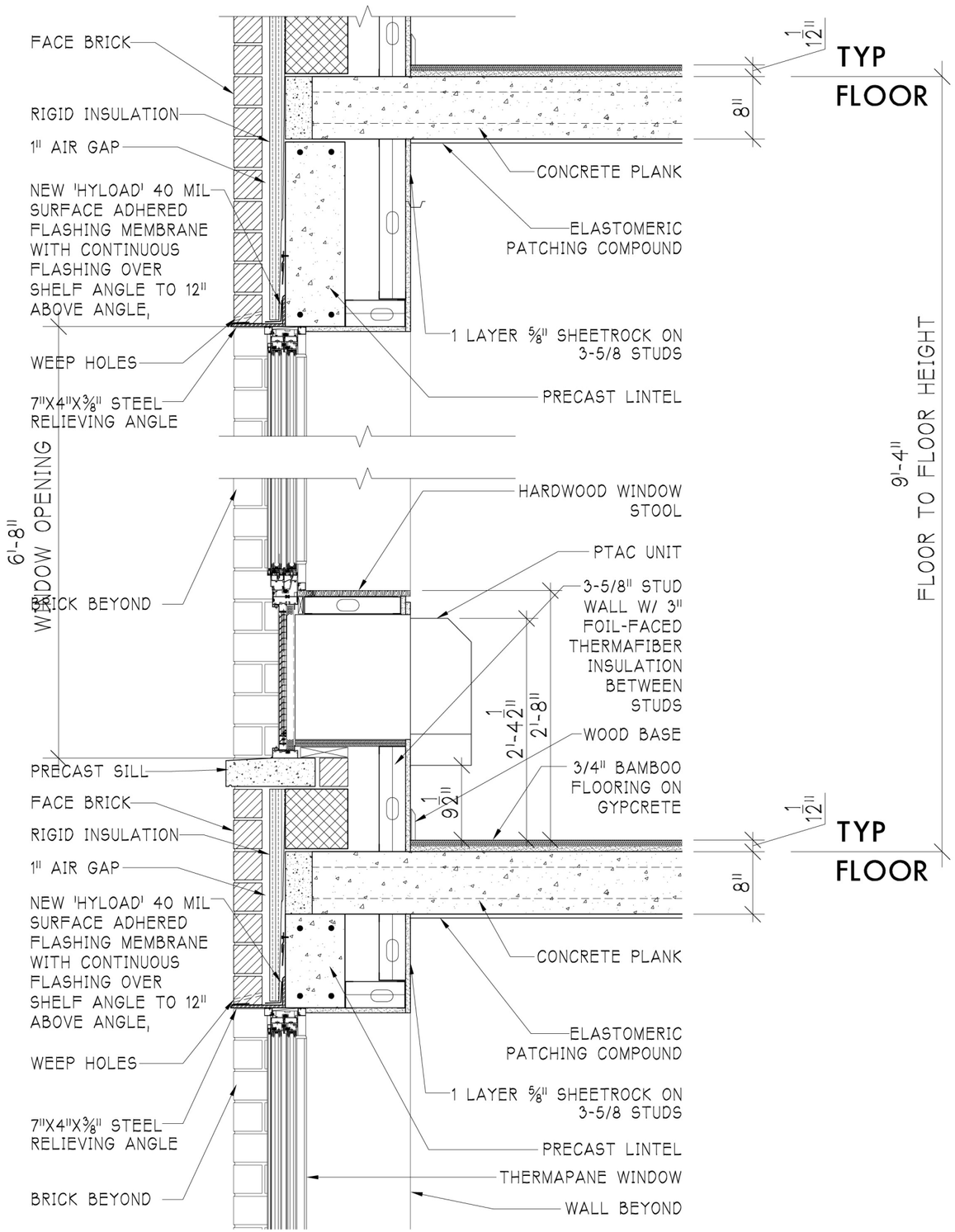
PROMESA

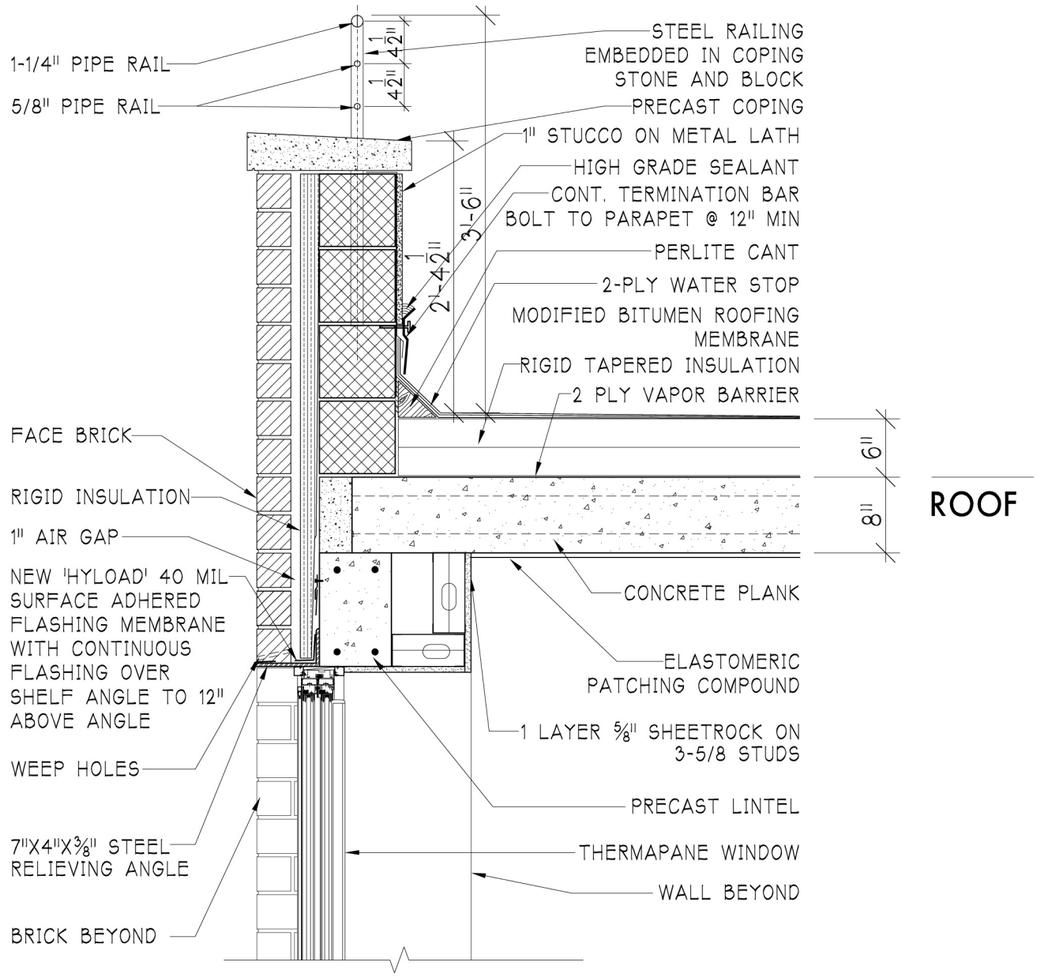
SK-05

WEST 177th STREET ELEVATION

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/3/10

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728





TYPICAL WALL SECTION

SCALE: 3/4" = 1'-0"

SK-06

TYPICAL WALL SECTION

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
3/4"=1'-0"
2/03/10

OCV
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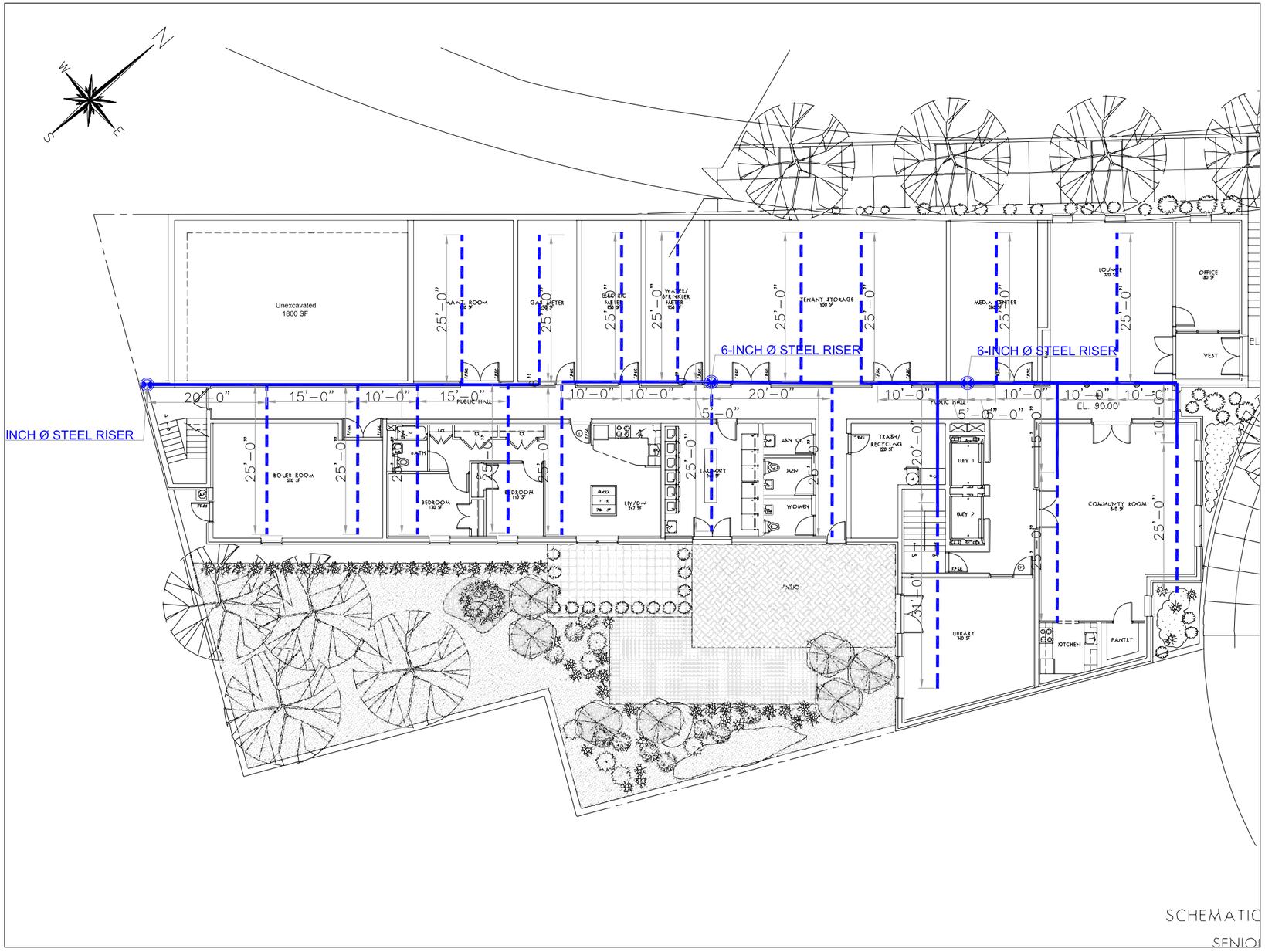
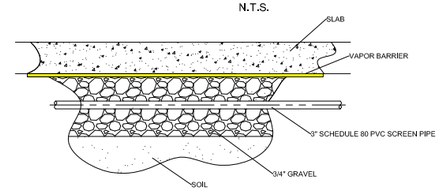
Impact Environmental
Remedial Action Work Plan
BCP # 12CBCPO16X

Figure 4
Sub-Slab Depressurization System Layout



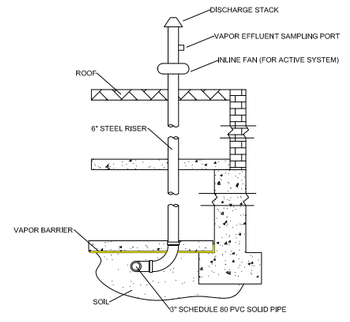
DEPRESSURIZATION SCREEN PIPING DETAIL

N.T.S.



SYSTEM PIPING AND EXHAUST DETAIL (INSIDE BUILDING)

N.T.S.



SUB-MEMBRANE DEPRESSURIZATION SYSTEM CONSTRUCTION NOTES:

1. PROPOSED LOCATIONS OF DEPRESSURIZATION SYSTEM RISER PIPES TO BE VERIFIED BY ARCHITECT.
2. PREPARE SUBSOIL AS SPECIFIED BY PROJECT GEOTECHNICAL OR STRUCTURAL ENGINEER, OR IN ACCORDANCE WITH ACI 302.1R-04 SECTION 4.1. PLACE, LEVEL, AND COMPACT GRAVEL BED CONSISTING OF CLEAN 3/4-INCH PEA GRAVEL, OR AN EQUIVALENT APPROVED BY THE DESIGN ENGINEER. GRAVEL TO BE NO MORE THAN 1-INCH IN DIAMETER, WITH NO SHARP AGGREGATE. LEVEL GRAVEL BED TO ELEVATION OF BOTTOM OF PVC PIPING TO BE INSTALLED.
3. 3-INCH DIAMETER SCHEDULE 80 SLOTTED PVC SCREEN SHALL BE INSTALLED 1 FOOT BENEATH THE BUILDING SLAB. BACKFILL AND COMPACT OVER SUPPORTED SCREEN WITH CLEAN 3/4-INCH PEA GRAVEL. TOTAL DEPTH OF COMPACTED GRAVEL SURROUNDING PIPING SHALL BE MINIMUM 24-INCHES THICK. PVC SCREENS SHALL BE CONNECTED TO 4-INCH DIAMETER SCHEDULE 80 PVC SOILD PIPE AND STEEL RISERS. VAPOR EFFLUENT SAMPLING PORTS SHALL BE INSTALLED ON THE RISERS. THE RISERS SHALL RAISE AT LEAST 3-FEET ABOVE THE ROOF. RAIN CAPS SHALL BE INSTALLED ON THE ROOF AT THE END OF THE RISERS.
4. PVC PIPING TO BE NEW, CLEAN SLOTTED SCREEN AND SOLID PIPE. 20-FOOT LENGTHS OF PIPE SHALL BE USED TO THE EXTENT PRACTICABLE. SCREEN TO BE 40-SLOT (0.040 INCH WIDE SLOTS). STEEL RISER PIPE AND FITTINGS FOR THE VERTICAL STACK TO BE PRIMED AND PAINTED WITH WEATHER RESISTENT PAINT. A MINIMUM OF TWO UNIONS SHALL BE INSTALLED ON THE STACK PIPE TO PROVIDE FOR FUTURE MODIFICATION.
5. PLUMBING, PRIMING, GLUING, PAINTING, FASTENING, AND SUPPORTING PVC AND STEEL PIPES, SCREENS, RISERS, AND FITTINGS TO BE CONDUCTED IN ACCORDANCE WITH EXISTING PROJECT PLANS AND SPECIFICATIONS, INDUSTRY STANDARDS, AND MANUFACTURERS INSTRUCTIONS, UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER. THE INSTALLATION SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES.
6. CONTRACTOR SHALL STORE MATERIALS IN A CLEAN AND DRY AREA, AND SHALL PROTECT MATERIALS FROM DAMAGE DURING HANDLING AND INSTALLATION.

Legend

- SCH. 80 Ø 3-INCH PVC SCREEN
- SCH. 80 Ø 4-INCH PVC SOLID PIPE
- STEEL RISER

TITLE: Sub-Slab Depressurization System (Bsement)

60 W. 177th St. & 92 Tremont Ave.
Bronx, New York

DRAWN BY:	JC
CHECKED BY:	KK
DATE:	07-25-2011
SCALE:	1/32" = 1'

PROJECT #	2166-03-03-3002
PLATE #	04

Note:
Base map provided by OCV Architects

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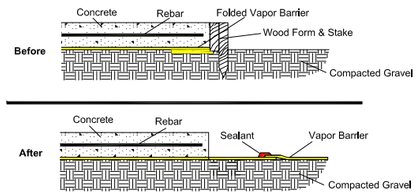
Remedial Action Work Plan
BCP # 12CBCPO16X

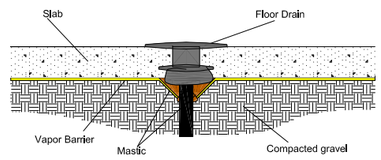
Figure 5
Vapor Barrier Detail Drawing and Construction Notes

Construction Joint Application for Large Slabs Placed in Stages



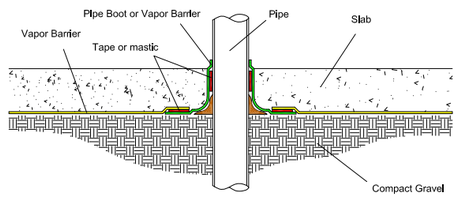
NOT TO SCALE

Membrane Interaction with Floor Drain



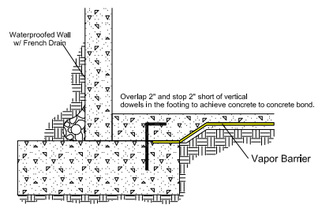
NOT TO SCALE

Membrane Interaction with Pipe Penetration



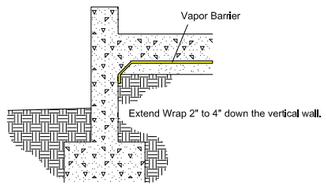
NOT TO SCALE

Membrane Termination Onto Footing just Short of Rebar Dowels



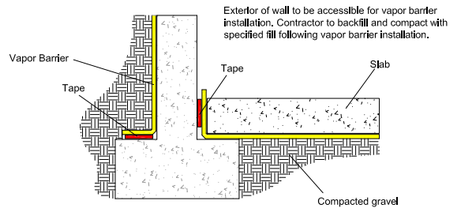
NOT TO SCALE

MembraneTermination Onto Below Slab Wall Footing



NOT TO SCALE

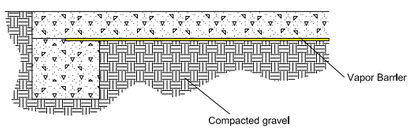
MembraneTermination Onto Outside Cellar Wall Footing



NOT TO SCALE

Membrane Termination Between Footer and Slab Needing Concrete Bond

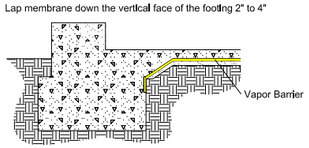
- Overlap the vapor barrier as far as necessary to ensure that it remains sandwiched between the slab and footer during construction, but not so far that it prohibits adequate bonding of concrete to concrete.



NOT TO SCALE

Membrane Termination Onto Exterior Wall Footing

Lap membrane down the vertical face of the footing 2" to 4"



NOT TO SCALE

VAPOR BARRIER CONSTRUCTION NOTES:

1. Vapor barrier membrane to be approved by the project design engineer. Membrane shall at a minimum be a Class A Vapor Barrier (ASTM E 1745) and with a minimum thickness of 20 mils. The slab-side of the membrane shall have qualities to allow bonding with the poured concrete. In no case shall membrane contain recycled plastic product or have a permeance of greater than 0.04 Perms. Manufacturers samples and cut sheets shall be submitted to the design engineer for approval prior to delivery to site.

2. Vapor barrier materials to be stored in a clean, dry area or per manufacturer's instructions. Materials to be protected during handling and installation to prevent damage.

3. Prepare subsoil as specified by project architect, geotechnical engineer or structural engineer, or in accordance with ACI 302.1R-04 Section 4.1 Install vapor retarder membrane over leveled and compacted ¾" 2B pea gravel, or an equivalent approved by design engineer. Gravel to be no more than 1-inch in diameter, with no sharp aggregate or projections. Do not begin installation until unacceptable conditions have been corrected.

4. Installation shall be in accordance with manufacturer's instructions, ASTM E 1643-98 (2005), best industry practices, and all applicable federal, state, and local codes. Membrane to be unrolled with the longest dimension parallel to the direction of the pour. Membrane to be installed with smooth side facing down and concrete-bonding side facing up. Succeeding sheets should be accurately positioned to overlap the adjacent sheet by a minimum of 6 inches. Lap membrane over footings and seal to foundation wall. Ensure there are no discontinuities in vapor retarder at seams and penetrations. Laps to be sealed with double-sided asphaltic tape, mastic or equivalent sealant with permeance of 0.3 perms or less approved by the design engineer. Ensure membrane surfaces to receive sealant are clean and dry.

5. Protect membrane from damage during installation of reinforcing steel and utilities, and during placement of concrete slab.

6. No penetrations shall be made except for reinforcing steel, foundations/pile caps, and permanent utilities. Vapor barrier to be inspected for holes or other damage. Small holes to be patched with mastic or approved equivalent, or per manufacturer's instructions. Larger holes to be patched with additional cut-out sections of membrane and sealed on all four sides, or per manufacturer's instructions. All allowed penetrations shall be sealed per manufacturer's instructions. Design engineer must be allowed to inspect final installation prior to pouring slab with sufficient lead-time for the contractor to implement required changes.

7. Place concrete within 30 days of vapor barrier installation.

Legend

TITLE: Vapor Barrier Details Drawings and Construction Notes

DRAWN BY:	WF
CHECKED BY:	JR
DATE:	7-25-2011
SCALE:	N.T.S.

PROJECT #	2166-03-03-3002
FIGURE #	05

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Remedial Action Work Plan
BCP # 12CBCPO16X

Figure 6
Truck Route Map

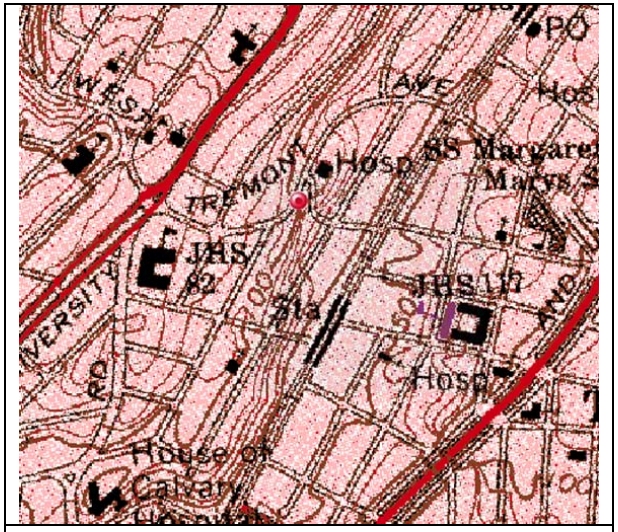
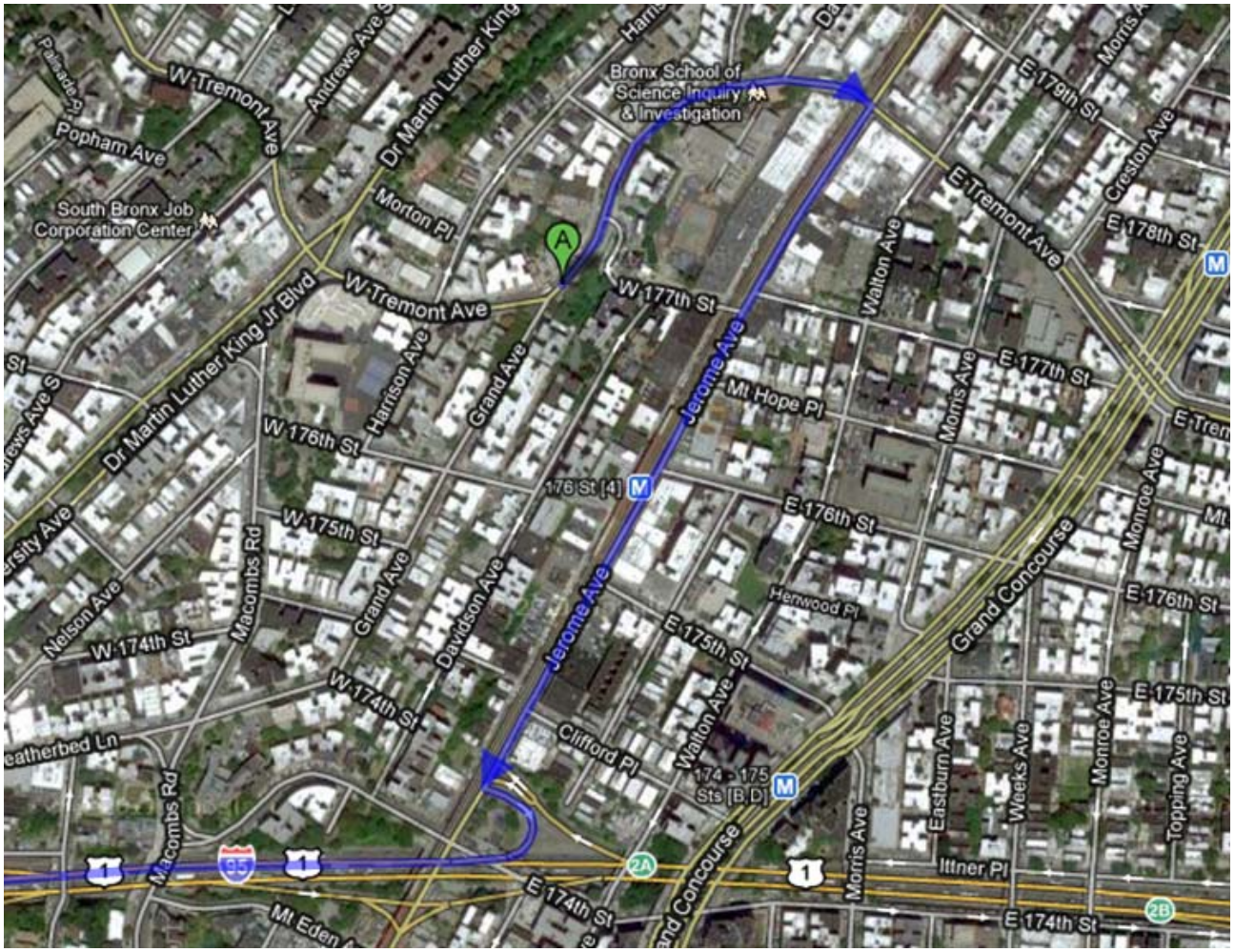


Figure 6: Truck Route Map

Tax Map Designation:
Block 2867; Lots 125 & 128

60 West 177th Street/
92 West Tremont Avenue, Bronx
New York



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Map Acquired from Google
New York State Geographic Information System
2001 Half Foot Natural Color Long Island Zone

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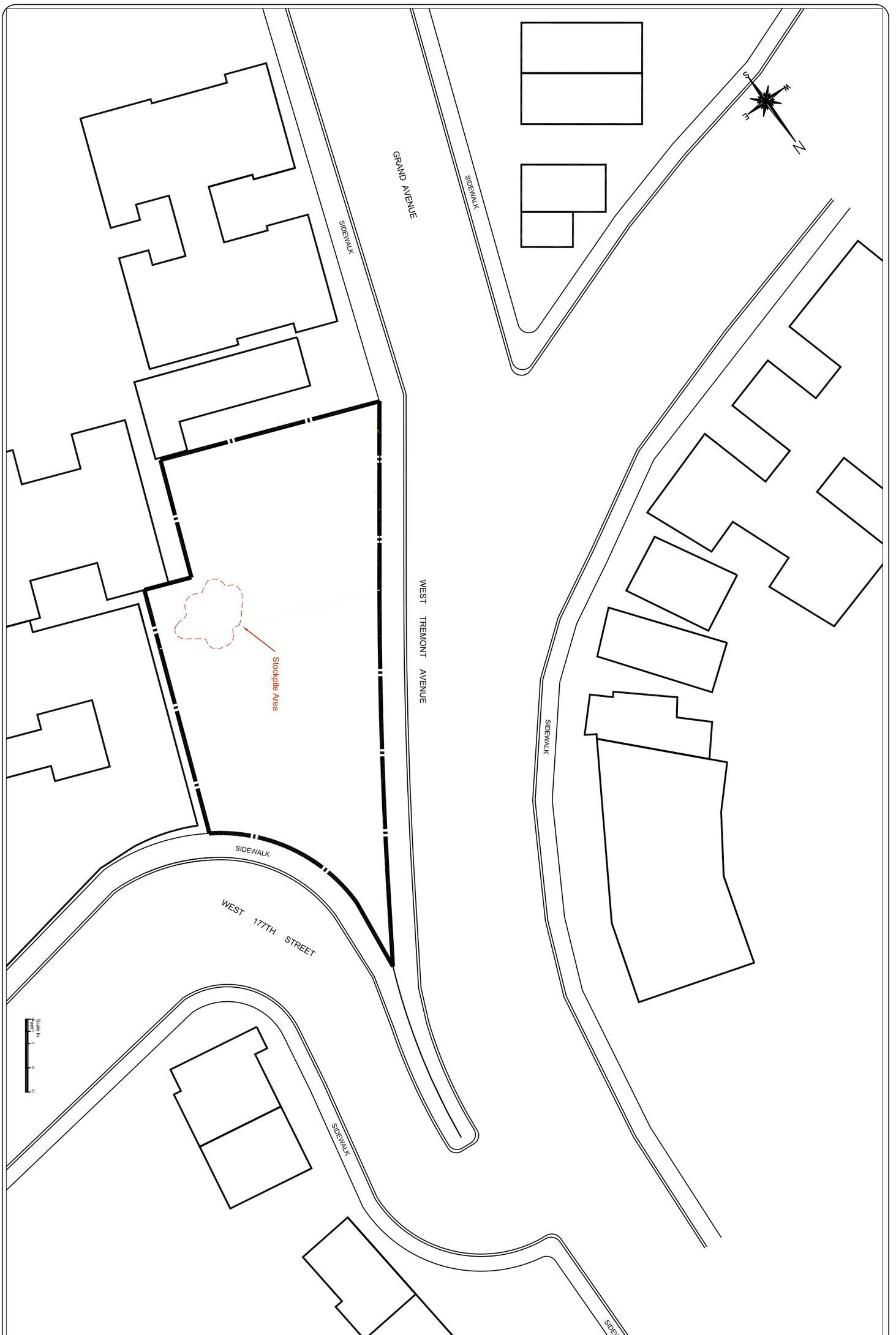
Remedial Action Work Plan
BCP # 12CBCPO16X

Figure 7
Reuse Soil Stockpile Area



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TITLE:
Reuse Soil Stockpile Area

60 W 177th St &
92 W Tremont Ave.
Bronx, New York

DRAWN BY:	JC
CHECKED BY:	KK
DATE:	06/25/2011
SCALE:	1 : 50

PROJECT #	2166-03-03-3002
Figure #	07

BCP# 12CBCPO16X

Impact Environmental
Remedial Action Work Plan
BCP # 12CBCPO16X

Tables

Table 1:
Soil Cleanup Objectives for on-Site Reuse

Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use
Sample ID		
Unit		*ug/kg*
1,1,1,2-Tetrachloroethane	VOC	NA
1,1,1-Trichloroethane	VOC	680
1,1,2,2-Tetrachloroethane	VOC	NA
1,1,2-Trichloroethane	VOC	NA
1,1,2 Trichloro-1,2,2 Trifluoroethane	VOC	NA
1-1- Biphenyl	VOC	NA
1,1-Dichloroethane	VOC	270
1,1-Dichloroethene	VOC	330
1,1-Dichloropropene	VOC	NA
1,2,3-Trichlorobenzene	VOC	NA
1,2,3-Trichloropropane	VOC	NA
1,2,4,5-Tetramethylbenzene	VOC	NA
1,2,4-Trimethylbenzene	VOC	3,600
1,2-Dibromo-3-Chloropropane	VOC	NA
1,2-Dibromoethane	VOC	NA
1,2-Dichlorobenzene	VOC	1,100
1,2-Dichloroethane	VOC	20c
1,2-Dichloropropane	VOC	NA
1,3,5-Trimethylbenzene	VOC	8,400
1,3-Dichlorobenzene	VOC	2,400
1,3-Dichloropropane	VOC	NA
1,3-Dichloropropene(cis and trans)	VOC	NA
1,4-Dichlorobenzene	VOC	1,800
1,4-Dioxane	VOC	100b
2,2-Dichloropropane	VOC	NA
2-Butanone	VOC	NA
2-Chlorotoluene	VOC	NA
2-Hexanone	VOC	NA
2-Chloroethyl vinyl ether	VOC	NA
4-Chlorotoluene	VOC	NA
4-Methyl-2-Pentanone	VOC	NA
Acetone	VOC	50
Acrolein	VOC	NA
Acrylonitrile	VOC	NA
Benzene	VOC	60
Benzidine	VOC	NA
Bromobenzene	VOC	NA
Bromochloromethane	VOC	NA
Bromodichloromethane	VOC	NA
Bromoform	VOC	NA
Bromomethane	VOC	NA
Carbon Disulfide	VOC	NA
Carbon Tetrachloride	VOC	760
Chlorobenzene	VOC	1,100
Chlorodibromomethane	VOC	NA
Chloroethane	VOC	NA
Chloroform	VOC	370
Chloromethane	VOC	NA

Table 1:
Soil Cleanup Objectives for on-Site Reuse

Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use
Sample ID		
Unit		*ug/kg*
cis-1,2-Dichloroethene	VOC	250
cis-1,3-Dichloropropene	VOC	NA
Dibromomethane	VOC	NA
Dichlorodifluoromethane	VOC	NA
Ethylbenzene	VOC	1,000
Isopropylbenzene	VOC	NA
Methyl Acetate	VOC	NA
Methylene Chloride	VOC	50
Methyl Tert-Butyl Ether	VOC	930
Naphthalene	VOC	12,000
n-Butylbenzene	VOC	12,000
n-Propylbenzene	VOC	3,900
p-Diethylbenzene	VOC	NA
p-Ethyltoluene	VOC	NA
p-Isoproplytoluene	VOC	NA
sec-Butylbenzene	VOC	11,000
Styrene	VOC	NA
tert-Butylbenzene	VOC	5,900
Tertiary Butyl Alcohol	VOC	NA
Tetrachloroethene	VOC	1,300
Toluene	VOC	700
Total Xylenes	VOC	260
trans-1,2-Dichloroethene	VOC	190
trans-1,3-Dichloropropene	VOC	NA
Trichloroethene	VOC	470
Trichlorofluoromethane	VOC	NA
Vinyl Acetate	VOC	NA
Vinyl Chloride	VOC	20
Hexachlorobutadiene	SVOC	NA
1,2- Diphenylhydrazine	SVOC	NA
1,2,4-Trichlorobenzene	SVOC	NA
2,4,5-Trichlorophenol	SVOC	NA
2,4,6-Trichlorophenol	SVOC	NA
2,4-Dichlorophenol	SVOC	NA
2,4-Dimethylphenol	SVOC	NA
2,4-Dinitrophenol	SVOC	NA
2,4-Dinitrotoluene	SVOC	NA
2,6-Dinitrotoluene	SVOC	NA
2-Chloronaphthalene	SVOC	NA
2-Chlorophenol	SVOC	NA
2-Methylnaphthalene	SVOC	NA
2-Methylphenol	SVOC	330b
2-Nitroaniline	SVOC	NA
2-Nitrophenol	SVOC	NA
3+4 Methylphenol	SVOC	NA
3,3-Dichlorobenzidine	SVOC	NA
m-Cresol(s)	SVOC	330b
3-Nitroaniline	SVOC	NA

Table 1:
Soil Cleanup Objectives for on-Site Reuse

Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use
Sample ID		
Unit		*ug/kg*
4,6-Dinitro-2-methylphenol	SVOC	NA
4-Bromophenyl-phenyl ether	SVOC	NA
4-Chloro-3-methylphenol	SVOC	NA
4-Chloroaniline	SVOC	NA
4-Chlorophenyl phenyl ether	SVOC	NA
4-Methylphenol	SVOC	330b
4-Nitroaniline	SVOC	NA
4-Nitrophenol	SVOC	NA
Acenaphthene	SVOC	20,000
Acenaphthylene	SVOC	100,000a
Acetophenone	SVOC	NA
Aniline	SVOC	NA
Anthracene	SVOC	100,000a
Atrazine	SVOC	NA
Azobenzene	SVOC	NA
Benzaldehyde	SVOC	NA
Benzo-a-Anthracene	SVOC	1,000c
Benzo-a-Pyrene	SVOC	1,000c
Benzo-b-Fluoranthene	SVOC	1,000c
Benzo-k-Fluoranthene	SVOC	800c
Total SVOC's Backfill/Landfill	SVOC	NA
Total SVOCs	SVOC	NA
Benzo-g,h,i-Perylene	SVOC	100,000
Benzoic Acid	SVOC	NA
Benzyl Alcohol	SVOC	NA
Bis(2-Chloroethoxy)methane	SVOC	NA
Bis(2-Chloroethyl)ether	SVOC	NA
Bis(2-Chloroisopropyl)ether	SVOC	NA
Bis(2-Ethylhexyl)Phthalate	SVOC	NA
Butylbenzylphthalate	SVOC	NA
Caprolactam	SVOC	NA
Carbazole	SVOC	NA
Chrysene	SVOC	1,000c
Dibenzofuran	SVOC	7,000
Dibenzo-a,h-Anthracene	SVOC	330b
Diethyl Phthalate	SVOC	NA
Dimethyl Phthalate	SVOC	NA
Di-n-Butyl Phthalate	SVOC	NA
Dinitrotoluene(2,4-/2,6-)	SVOC	NA
Di-n-Octyl Phthalate	SVOC	NA
Fluoranthene	SVOC	100,000
Fluorene	SVOC	30,000
Hexachlorobenzene	SVOC	330
Hexachlorocyclopentadiene	SVOC	NA
Hexachloroethane	SVOC	NA
Indeno(1,2,3-cd)Pyrene	SVOC	500c
Isophorone	SVOC	NA
Nitrobenzene	SVOC	NA

Table 1:
Soil Cleanup Objectives for on-Site Reuse

Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use
Sample ID		
Unit		*ug/kg*
N-Nitrosodimethylamine	SVOC	NA
N-Nitroso-di-n-Propylamine	SVOC	NA
N-Nitrosodiphenylamine	SVOC	NA
Pentachlorophenol	SVOC	800b
Phenanthrene	SVOC	100,000
Phenol	SVOC	330b
Pyrene	SVOC	100,000
2,4,5-T	HERBICIDE	NA
2,4,5-TP Acid	PESTICIDE	3,800
2,4-D	HERBICIDE	NA
2,4-DB	HERBICIDE	NA
4,4-DDD	PESTICIDE	3.3b
4,4-DDE	PESTICIDE	3.3b
4,4-DDT	PESTICIDE	3.3b
Aldrin	PESTICIDE	5c
alpha-BHC	PESTICIDE	20
Aroclor 1016	PCB	NA
Aroclor 1221	PCB	NA
Aroclor 1232	PCB	NA
Aroclor 1242	PCB	NA
Aroclor 1248	PCB	NA
Aroclor 1254	PCB	NA
Aroclor 1260	PCB	NA
beta-BHC	PESTICIDE	36
Chlordane	PESTICIDE	94
delta-BHC	PESTICIDE	40
Dicamba	HERBICIDE	NA
Dieldrin	PESTICIDE	5
Endosulfan	PESTICIDE	NA
Endosulfan I	PESTICIDE	2,400
Endosulfan II	PESTICIDE	2,400
Endosulfan Sulfate	PESTICIDE	2,400
Endrin	PESTICIDE	14
Endrin Aldehyde	PESTICIDE	NA
Endrin Ketone	PESTICIDE	NA
gamma-BHC	PESTICIDE	100
Heptachlor	PESTICIDE	42
Heptachlor Epoxide	PESTICIDE	NA
Methoxychlor	PESTICIDE	NA
Mitotane	PESTICIDE	NA
Parathion	PESTICIDE	NA
Polychlorinated Biphenyls	PESTICIDE	100
Toxaphene	PESTICIDE	NA
Unit		*mg/kg*
Aluminum, Al	METAL	NA
Antimony, Sb	METAL	NA
Arsenic, As	METAL	13c
Barium, Ba	METAL	350c

Table 1:
Soil Cleanup Objectives for on-Site Reuse

Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use
Sample ID		
Unit		*ug/kg*
Beryllium, Be	METAL	7.2
Cadmium, Cd	METAL	2.5c
Calcium, Ca	METAL	NA
Chromium, Cr	METAL	NA
Chromium, hexavalent	METAL	1b
Chromium, trivalent	METAL	30c
Cobalt, Co	METAL	NA
Copper, Cu	METAL	50
Cyanide	METAL	27
Iron, Fe	METAL	NA
Lead, Pb	METAL	63c
Magnesium, Mg	METAL	NA
Manganese, Mn	METAL	1,600c
Mercury (inorganic salts)	METAL	1.2
Mercury, Hg	METAL	.18c
Nickel, Ni	METAL	30
Potassium, K	METAL	NA
Selenium, Se	METAL	3.9c
Silver, Ag	METAL	2
Sodium, Na	METAL	NA
Thallium, Ti	METAL	NA
Vanadium, V	METAL	NA
Zinc, Zn	METAL	109c

Table 2:
Backfill/Cover Soil Quality Objectives

		Soil Cleanup objectives NYCRR 375 Residential
Parameter Name	**Parameter ID**	
Sample ID		
Unit		*ug/kg*
1,1,1,2-Tetrachloroethane	VOC	NA
1,1,1-Trichloroethane	VOC	100,000a
1,1,2,2-Tetrachloroethane	VOC	35000
1,1,2-Trichloroethane	VOC	NA
1,1,2 Trichloro-1,2,2 Trifluoroethane	VOC	NA
1-1- Biphenyl	VOC	NA
1,1-Dichloroethane	VOC	19,000
1,1-Dichloroethene	VOC	100,000a
1,1-Dichloropropene	VOC	NA
1,2,3-Trichlorobenzene	VOC	NA
1,2,3-Trichloropropane	VOC	80000
1,2,4,5-Tetramethylbenzene	VOC	NA
1,2,4-Trimethylbenzene	VOC	47,000
1,2-Dibromo-3-Chloropropane	VOC	NA
1,2-Dibromoethane	VOC	NA
1,2-Dichlorobenzene	VOC	100,000a
1,2-Dichloroethane	VOC	2,300
1,2-Dichloropropane	VOC	NA
1,3,5-Trimethylbenzene	VOC	47,000
1,3-Dichlorobenzene	VOC	17,000
1,3-Dichloropropane	VOC	NA
1,3-Dichloropropene(cis and trans)	VOC	NA
1,4-Dichlorobenzene	VOC	9,800
1,4-Dioxane	VOC	9,800
2,2-Dichloropropane	VOC	NA
2-Butanone	VOC	100,000a
2-Chlorotoluene	VOC	NA
2-Hexanone	VOC	NA
2-Chloroethyl vinyl ether	VOC	NA
4-Chlorotoluene	VOC	NA
4-Methyl-2-Pentanone	VOC	NA
Acetone	VOC	100,000a
Acrolein	VOC	NA
Acrylonitrile	VOC	NA
Benzene	VOC	2,900
Benzidine	VOC	NA
Bromobenzene	VOC	NA
Bromochloromethane	VOC	NA
Bromodichloromethane	VOC	NA
Bromoform	VOC	NA
Bromomethane	VOC	NA
Carbon Disulfide	VOC	100000
Carbon Tetrachloride	VOC	1,400
Chlorobenzene	VOC	100,000a
Chlorodibromomethane	VOC	NA
Chloroethane	VOC	NA
Chloroform	VOC	10,000

Table 2:
Backfill/Cover Soil Quality Objectives

Parameter Name	Parameter ID	Soil Cleanup objectives NYCRR 375 Residential
Sample ID		
Chloromethane	VOC	NA
cis-1,2-Dichloroethene	VOC	59,000
cis-1,3-Dichloropropene	VOC	NA
Dibromomethane	VOC	NA
Dichlorodifluoromethane	VOC	NA
Ethylbenzene	VOC	30,000
Isopropylbenzene	VOC	100000
Methyl Acetate	VOC	NA
Methylene Chloride	VOC	51,000
Methyl Tert-Butyl Ether	VOC	62,000
Naphthalene	VOC	100,000a
n-Butylbenzene	VOC	100,000a
n-Propylbenzene	VOC	100,000a
p-Diethylbenzene	VOC	NA
p-Ethyltoluene	VOC	NA
p-Isoproplytoluene	VOC	NA
sec-Butylbenzene	VOC	100,000a
Styrene	VOC	NA
tert-Butylbenzene	VOC	100,000a
Tertiary Butyl Alcohol	VOC	NA
Tetrachloroethene	VOC	5,500
Toluene	VOC	100,000a
Total Xylenes	VOC	100,000a
trans-1,2-Dichloroethene	VOC	100,000a
trans-1,3-Dichloropropene	VOC	NA
Trichloroethene	VOC	10,000
Trichlorofluoromethane	VOC	NA
Vinyl Acetate	VOC	NA
Vinyl Chloride	VOC	210
Hexachlorobutadiene	SVOC	NA
1,2- Diphenylhydrazine	SVOC	NA
1,2,4-Trichlorobenzene	SVOC	NA
2,4,5-Trichlorophenol	SVOC	100000
2,4,6-Trichlorophenol	SVOC	NA
2,4-Dichlorophenol	SVOC	100000
2,4-Dimethylphenol	SVOC	NA
2,4-Dinitrophenol	SVOC	100000
2,4-Dinitrotoluene	SVOC	NA
2,6-Dinitrotoluene	SVOC	1030
2-Chloronaphthalene	SVOC	NA
2-Chlorophenol	SVOC	100000
2-Methylnaphthalene	SVOC	NA
2-Methylphenol	SVOC	100,000a
2-Nitroaniline	SVOC	NA
2-Nitrophenol	SVOC	NA
3+4 Methylphenol	SVOC	NA
3,3-Dichlorobenzidine	SVOC	NA
m-Cresol(s)	SVOC	100,000a

Table 2:
Backfill/Cover Soil Quality Objectives

Parameter Name	Parameter ID	Soil Cleanup objectives NYCRR 375 Residential
Sample ID		
3-Nitroaniline	SVOC	NA
4,6-Dinitro-2-methylphenol	SVOC	NA
4-Bromophenyl-phenyl ether	SVOC	NA
4-Chloro-3-methylphenol	SVOC	NA
4-Chloroaniline	SVOC	100000
4-Chlorophenyl phenyl ether	SVOC	NA
4-Methylphenol	SVOC	34,000
4-Nitroaniline	SVOC	NA
4-Nitrophenol	SVOC	NA
Acenaphthene	SVOC	100,000a
Acenaphthylene	SVOC	100,000a
Acetophenone	SVOC	NA
Aniline	SVOC	48000
Anthracene	SVOC	100,000a
Atrazine	SVOC	NA
Azobenzene	SVOC	NA
Benzaldehyde	SVOC	NA
Benzo-a-Anthracene	SVOC	1,000f
Benzo-a-Pyrene	SVOC	1,000f
Benzo-b-Fluoranthene	SVOC	1,000f
Benzo-k-Fluoranthene	SVOC	1,000
Total SVOC's Backfill/Landfill	SVOC	NA
Total SVOCs	SVOC	NA
Benzo-g,h,i-Perylene	SVOC	100,000a
Benzoic Acid	SVOC	100000
Benzyl Alcohol	SVOC	NA
Bis(2-Chloroethoxy)methane	SVOC	NA
Bis(2-Chloroethyl)ether	SVOC	NA
Bis(2-Chloroisopropyl)ether	SVOC	NA
Bis(2-Ethylhexyl)Phthalate	SVOC	50000
Butylbenzylphthalate	SVOC	100000
Caprolactam	SVOC	NA
Carbazole	SVOC	NA
Chrysene	SVOC	1,000f
Dibenzofuran	SVOC	14,000
Dibenzo-a,h-Anthracene	SVOC	330e
Diethyl Phthalate	SVOC	100000
Dimethyl Phthalate	SVOC	100000
Di-n-Butyl Phthalate	SVOC	100000
Dinitrotoluene(2,4-/2,6-)	SVOC	NA
Di-n-Octyl Phthalate	SVOC	100000
Fluoranthene	SVOC	100,000a
Fluorene	SVOC	100,000a
Hexachlorobenzene	SVOC	330e
Hexachlorocyclopentadiene	SVOC	NA
Hexachloroethane	SVOC	NA
Indeno(1,2,3-cd)Pyrene	SVOC	500f
Isophorone	SVOC	100000

Table 2:
Backfill/Cover Soil Quality Objectives

Parameter Name	Parameter ID	Soil Cleanup objectives NYCRR 375 Residential
Sample ID		
Nitrobenzene	SVOC	3700
N-Nitrosodimethylamine	SVOC	NA
N-Nitroso-di-n-Propylamine	SVOC	NA
N-Nitrosodiphenylamine	SVOC	NA
Pentachlorophenol	SVOC	2,400
Phenanthrene	SVOC	100,000a
Phenol	SVOC	100,000a
Pyrene	SVOC	100,000a
2,4,5-T	HERBICIDE	100000
2,4,5-TP Acid	PESTICIDE	58,000
2,4-D	HERBICIDE	100000
2,4-DB	HERBICIDE	NA
4,4-DDD	PESTICIDE	2,600
4,4-DDE	PESTICIDE	1,800
4,4-DDT	PESTICIDE	1,700
Aldrin	PESTICIDE	19
alpha-BHC	PESTICIDE	97
Aroclor 1016	PCB	NA
Aroclor 1221	PCB	NA
Aroclor 1232	PCB	NA
Aroclor 1242	PCB	NA
Aroclor 1248	PCB	NA
Aroclor 1254	PCB	NA
Aroclor 1260	PCB	NA
beta-BHC	PESTICIDE	72
Chlordane	PESTICIDE	910
delta-BHC	PESTICIDE	100,000a
Dicamba	HERBICIDE	NA
Dieldrin	PESTICIDE	39
Endosulfan	PESTICIDE	NA
Endosulfan I	PESTICIDE	4,800i
Endosulfan II	PESTICIDE	4,800i
Endosulfan Sulfate	PESTICIDE	4,800i
Endrin	PESTICIDE	2,200
Endrin Aldehyde	PESTICIDE	NA
Endrin Ketone	PESTICIDE	NA
gamma-BHC	PESTICIDE	280
Heptachlor	PESTICIDE	420
Heptachlor Epoxide	PESTICIDE	77
Methoxychlor	PESTICIDE	100000
Mitotane	PESTICIDE	NA
Parathion	PESTICIDE	100000
Polychlorinated Biphenyls	PESTICIDE	1,000
Unit		*mg/kg*
Aluminum, Al	METAL	NA
Antimony, Sb	METAL	NA
Arsenic, As	METAL	16f

Table 2:
Backfill/Cover Soil Quality Objectives

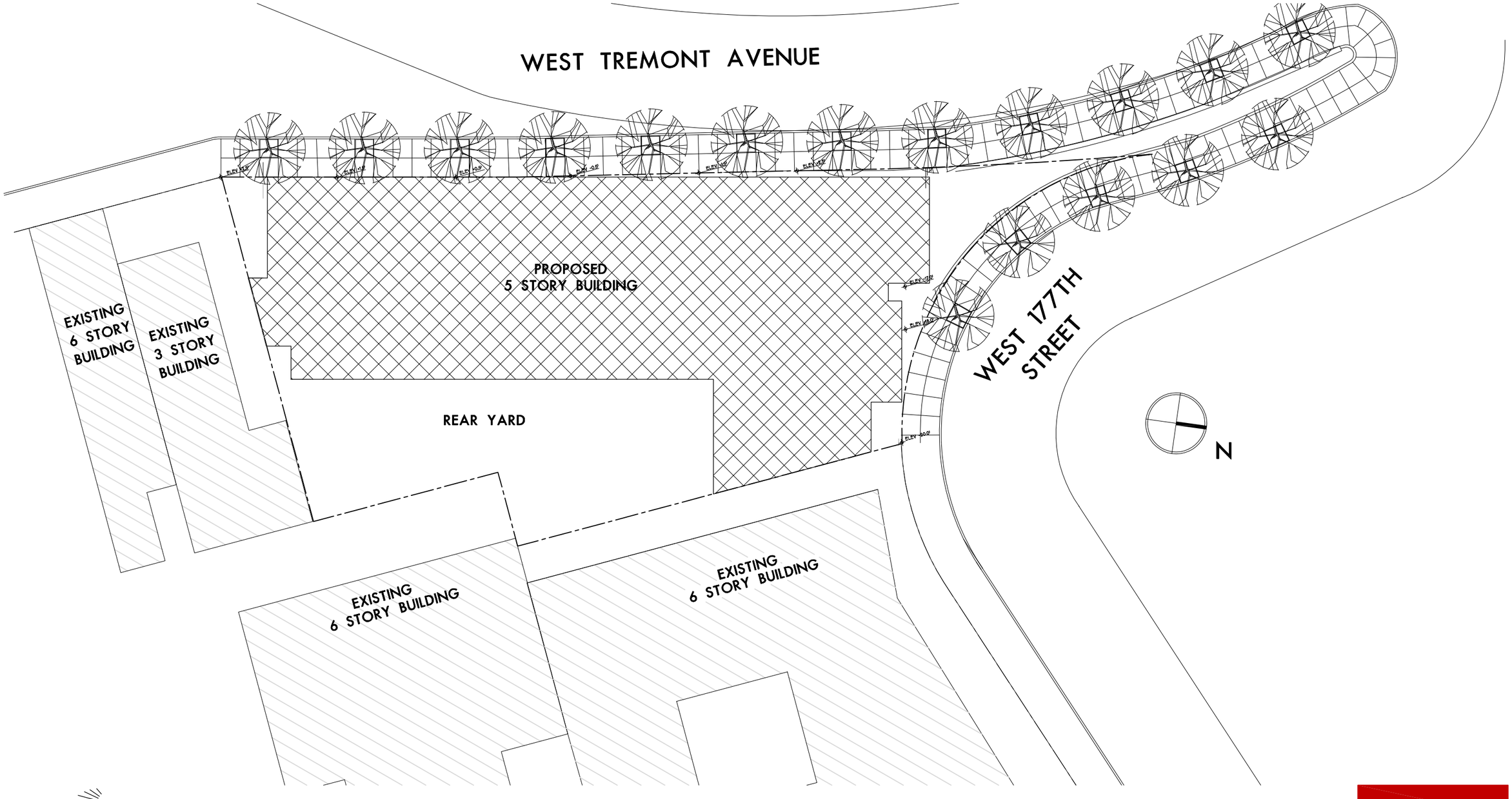
Parameter Name	Parameter ID	Soil Cleanup objectives NYCRR 375 Residential
Sample ID		
Barium, Ba	METAL	350f
Beryllium, Be	METAL	14
Cadmium, Cd	METAL	2.5f
Calcium, Ca	METAL	NA
Chromium, Cr	METAL	NA
Chromium, hexavalent	METAL	22
Chromium, trivalent	METAL	36
Cobalt, Co	METAL	30000
Copper, Cu	METAL	270
Cyanide	METAL	27
Iron, Fe	METAL	2000000
Lead, Pb	METAL	400
Magnesium, Mg	METAL	NA
Manganese, Mn	METAL	2,000f
Mercury (inorganic salts)	METAL	NA
Mercury, Hg	METAL	0.81j
Nickel, Ni	METAL	140
Potassium, K	METAL	NA
Selenium, Se	METAL	36
Silver, Ag	METAL	36
Sodium, Na	METAL	NA
Thallium, Ti	METAL	NA
Vanadium, V	METAL	100000
Zinc, Zn	METAL	2,200

Impact Environmental
Remedial Action Work Plan
BCP # 12CBCPO16X

Appendices

Impact Environmental
Remedial Action Work Plan
BCP # 12CBCPO16X

Appendix A:
Proposed Building Plan



PROMESA

SK-01

SCHEMATIC SITE PLAN

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/3/10

OCV
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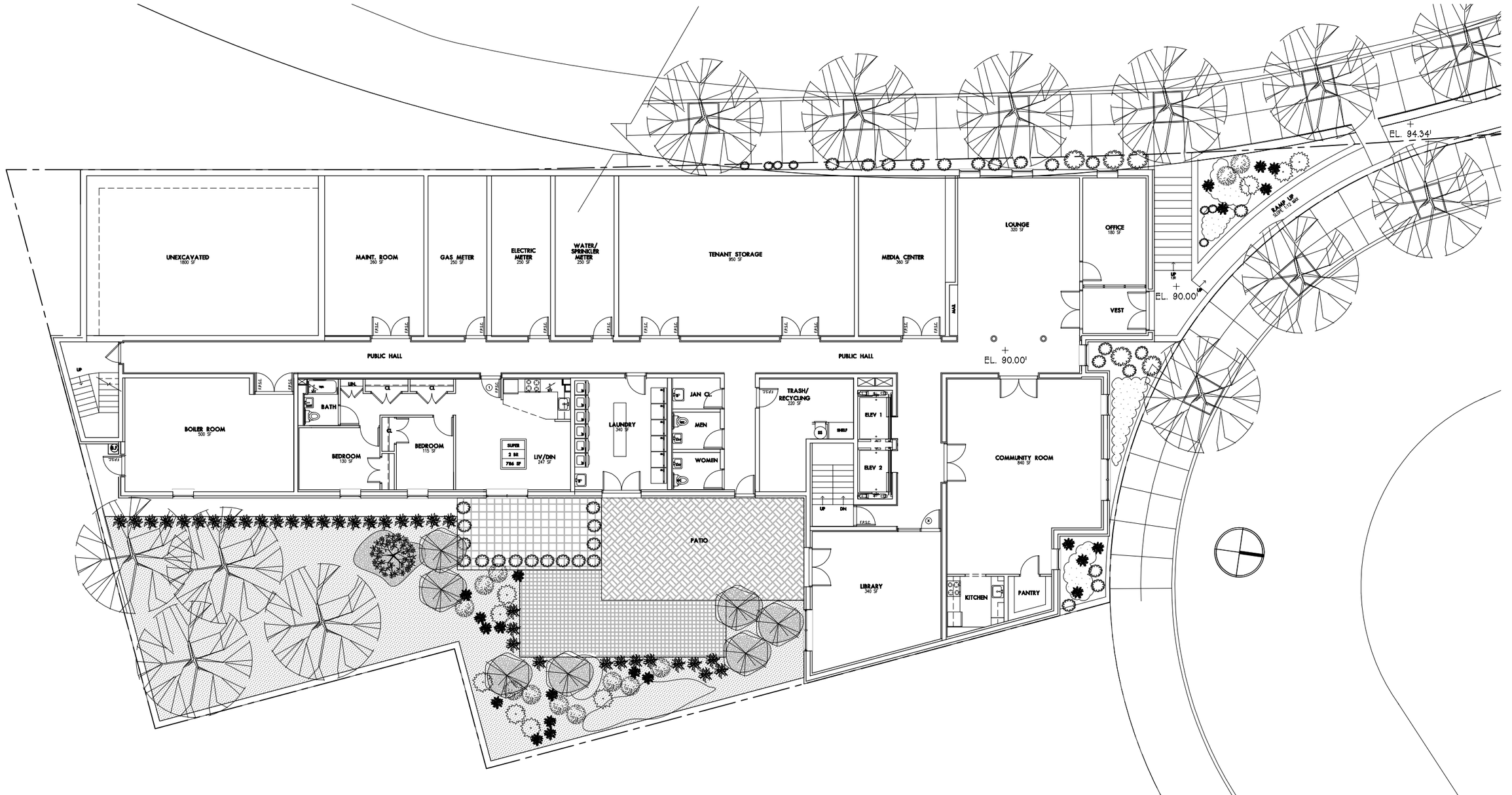
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728



PROMESA

SK-02

SCHEMATIC PLAN - BASEMENT

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/3/10

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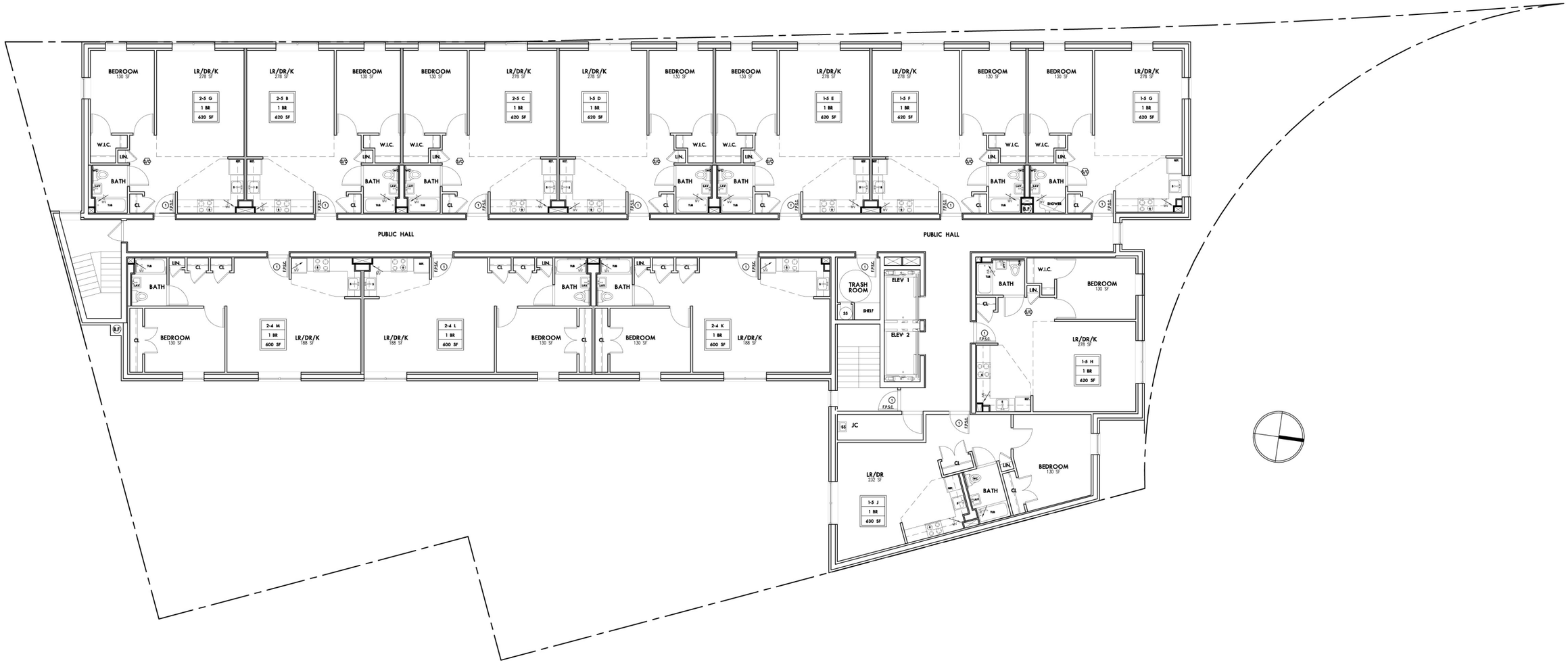

PROMESA

SK-03

SCHEMATIC PLAN - FLOORS 1-5

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/3/10

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PROMESA

SK-04

WEST TREMONT ELEVATION

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/03/10

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PROMESA

SK-05

WEST 177th STREET ELEVATION

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
1/16"=1'-0"
2/3/10

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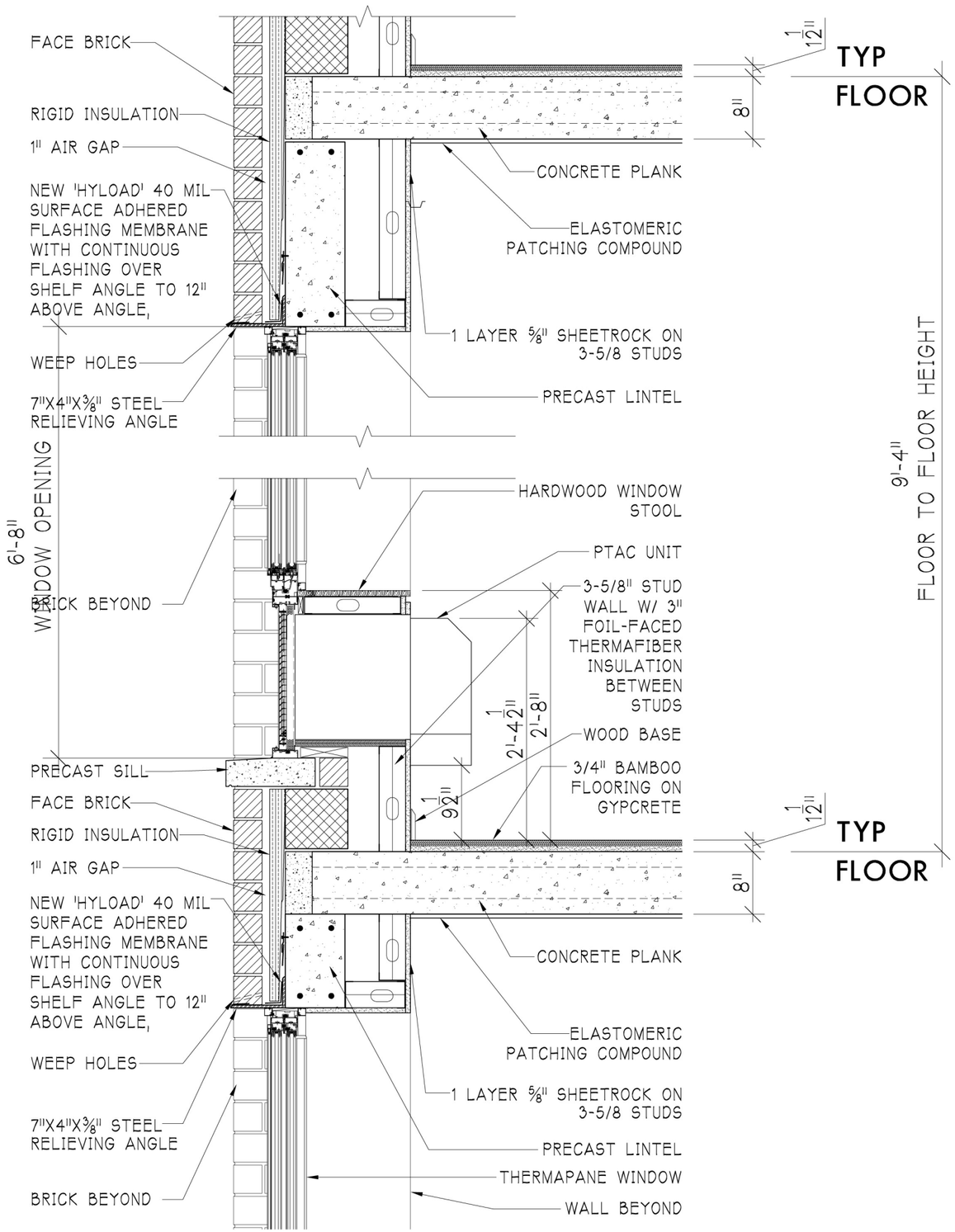

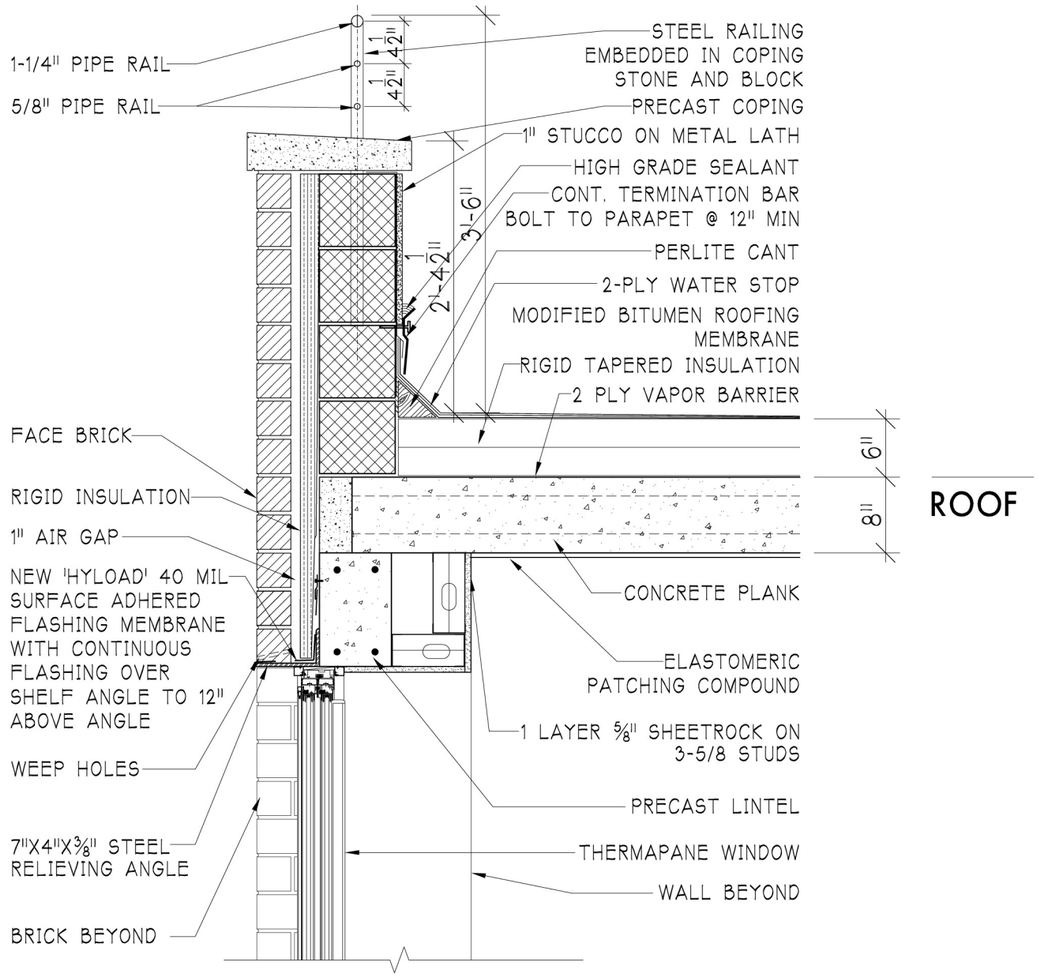

TYPICAL WALL SECTION

SCALE: 3/4" = 1'-0"

SK-06

TYPICAL WALL SECTION

SENIOR CITIZENS' RESIDENCE
92 WEST TREMONT AVENUE
3/4"=1'-0"
2/03/10

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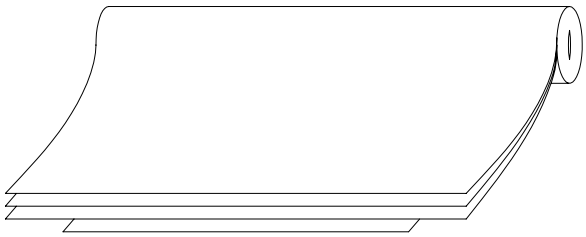
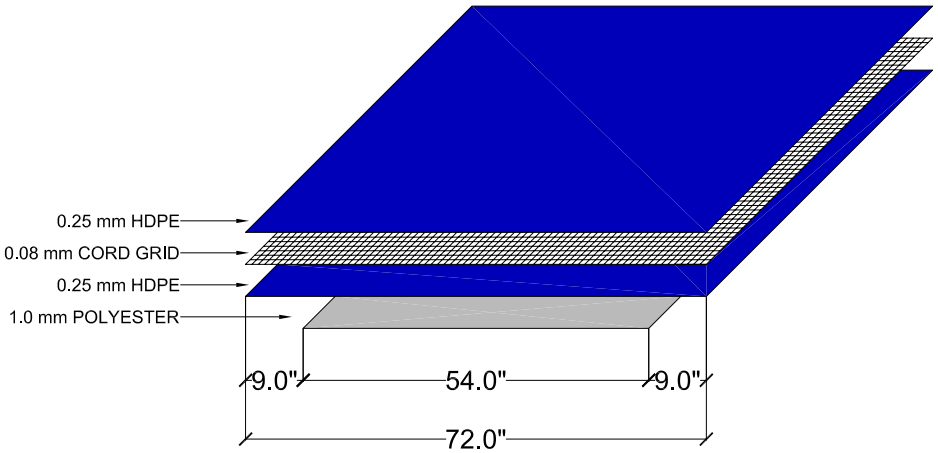
Impact Environmental
Remedial Action Work Plan
BCP # 12CBCPO16X

Appendix B:
ECC Type II Vapor Barrier Specifications

TYPE II VAPOR BARRIER LAYOUT





engineering control corp.
75 Rockefeller Plaza > 18th Floor > New York > New York > 10019
tel 212.710.4594 > fax 212.710.4597

Engineering Control Corp (ECC) is a full service company providing environmental construction support services and engineering controls, with a focus on the construction and development industries. ECC specializes in four major areas of environmental engineering controls: dewatering, groundwater treatment, vapor barriers, and earthen caps. ECC also provides site-specific solutions such as contaminant cut-off walls, sub-slab depressurization systems, hydrogeological pilot testing, and permitting assistance.

Recent reforms in the regulatory world have changed the rules for construction and development projects. Environmental policy has shifted towards limiting contaminant exposure in all stages of the building process, including measures such as treatment of dewatering fluids during excavation, installation of a vapor barrier before pouring a floor slab, or provision of a clean fill earthen cap before landscaping outdoor areas. ECC has the expertise to help navigate these challenges, from the pre-bid planning phase through the final phases of construction.

ECC provides services and products for the Metro New York area, the greater northeast, and nationwide. Contact us to discuss the best strategy for your project.

VAPOR BARRIERS

Perhaps the hottest topic in the environmental regulatory world right now is that of 'soil vapor intrusion', or the migration of volatile organic vapors into building interiors. These often dangerous vapors originate from contaminated subsurface soil or groundwater, and are pulled through the floor slab by the naturally occurring negative pressures created inside of most buildings. Long-term exposure to these vapors can cause serious illness or death, and build-up of some vapors may cause an explosion hazard.

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tel 212.710.4594 > fax 212.710.4597

The fundamental defense to vapor intrusion is placement of a vapor barrier/retarder membrane on top of compacted aggregate, directly below a newly poured floor slab. Many environmental regulatory agencies, health departments, and building departments nationwide have developed new rules requiring vapor barriers/retarders at contaminated sites, and in some cases, uncontaminated sites. Choosing the proper membrane is a function of the type of expected subsurface contaminants, construction conditions, and expected soil settlement. Recent case studies have demonstrated that standard 6-mil polyethylene (Visqueen) sheeting purchased at contractor supply shops is NOT an effective or long-term barrier against contaminants, as high recycled plastic content may contribute to quicker degradation.

APPENDIXI P

REMEDIAL ACTION WORK PLAN ADDENDUM

REMEDIAL ACTION WORK PLAN ADDENDUM

December 5, 2013

NYC VCP Site Number: 142BCP016X

Submitted for:
60 West 177th Street & 92 West Tremont Avenue
Bronx, New York
New York City Tax Map Designation: Block 2867, Lots 125 and 128

Submitted to:
New York City Office of Environmental Remediation
100 Gold Street, 2nd Floor
New York, NY 10038

Prepared for:
Promesa Systems Inc.
300 East 175th Street
Bronx, NY 10457

Submitted by:
Impact Environmental Closures, Inc.
170 Keyland Court
Bohemia, NY 11716

IE Project Number:
2166-06-02-2000

DECEMBER 5, 2013

REMEDIAL ACTION WORK PLAN ADDENDUM

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- Appendix H: In Situ Chemical Oxidation Application Plan
- Appendix I: Updated Summary of Remedy

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AS/SVE	Air Sparging/Soil Vapor Extraction
BOA	Brownfield Opportunity Area
CAMP	Community Air Monitoring Plan
C/D	Construction/Demolition
COC	Certificate of Completion
CQAP	Construction Quality Assurance Plan
CSOP	Contractors Site Operation Plan
DCR	Declaration of Covenants and Restrictions
ECs/ICs	Engineering and Institutional Controls
HASP	Health and Safety Plan
IRM	Interim Remedial Measure
BCA	Brownfield Cleanup Agreement
MNA	Monitored Natural Attenuation
NOC	Notice of Completion
NYC BCP	New York City Brownfield Cleanup Program
NYC DEP	New York City Department of Environmental Protection
NYC DOHMH	New York State Department of Health and Mental Hygiene
NYCRR	New York Codes Rules and Regulations
NYC OER	New York City Office of Environmental Remediation
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
OSHA	United States Occupational Health and Safety Administration
PE	Professional Engineer

PID	Photo Ionization Detector
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment
RAOs	Remedial Action Objectives
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan or Plan
RAWP	Remedial Action Work Plan Addendum
RCA	Recycled Concrete Aggregate
RD	Remedial Design
RI	Remedial Investigation
RMZ	Residual Management Zone
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SVOC	Semi-Volatile Organic Compound
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

CERTIFICATION

I, Joel Rogers, am a Professional Engineer licensed in the State of New York. I have primary direct responsibility for implementation of the remedial action for the redevelopment project located at 60 West 177TH Street and 92 West Tremont Avenue in Bronx, NY.

I certify that this Remedial Action Work Plan Addendum (RAWPA) serves as an addendum to the NYC OER-approved Remedial Action Work Plan (RAWP), dated June 29, 2011 and the Remedial Action Work Plan Stipulations List, dated September 6, 2011 to stipulate additional content, requirements, and procedures that will be followed during the site remediation. The contents of this addendum are added to the RAWP and RAWP Stipulations List and will supersede the content in the RAWP and RAWP Stipulations List where there is a conflict in purpose or intent.

Joel Rogers, P.E.
Name

083034
NYS PE License Number

Signature

Date

PE Stamp

QEP Name

QEP Signature

Date

INTRODUCTION

This Remedial Action Work Plan Addendum has been developed on behalf of Promesa Systems Inc. (the owner) as an addendum to the Remedial Action Work Plan (RAWP), dated June 29, 2011 to stipulate additional content, requirements, and procedures that will be followed during the remediation of the site located at 60 West 177th Street and 92 West Tremont Avenue in Bronx, NY (NYC VCP #12CBCP016X). This RAWP Addendum includes a summary of the site location and history, redevelopment plan, remediation objectives, and the revisions and additional stipulations to the proposed remedial action.

The revisions and the additional stipulations presented in this RAWP Addendum are based on revised redevelopment plans, review and comments of the RAWP by the New York City Office of Environmental Remediation, and the approved Remedial Action Work Plan Stipulations List dated September 6, 2011. The stipulations of this RAWP Addendum are added to the RAWP and RAWP Stipulations List and will supersede the content in the RAWP and RAWP Stipulations List where there is conflict in purpose or intent.

REMEDIAL ACTION WORK PLAN ADDENDUM

1.0 SITE BACKGROUND

Promesa Systems Inc. has enrolled in the New York City Voluntary Cleanup Program (12CBCP016X) to investigate and remediate a property located at 60 West 177th Street & 92 West Tremont Avenue, Bronx, New York, the "Site". A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop the Remedial Action Work Plan (RAWP), dated June 29, 2011 in a manner that will render the Site protective of public health and the environment consistent with the contemplated end use. The remedial action described in the RAWP and this RAWP Addendum provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 60 West 177th Street/92 West Tremont Avenue in the Bronx, New York and is identified as Block 2867 and Lots 125 & 128 on the New York City Tax Map. **Figure 1** shows the Site location. The Site is 25,475-square feet and is bounded to the north by West Tremont Avenue and beyond by residential apartments, to the south by residential apartments, to the east by West 177th Street and beyond by residential apartments, to the west by residential apartments. A map of the site boundary is shown in **Figure 2**. Currently, the Site is unimproved/vacant land. The Site exhibits high topographic relief, with the highest elevation on the southwestern boundary and the lowest elevation on the northeastern boundary.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Site will consist of a five story senior citizens' residence. Layout of the proposed site development is presented in **Appendix C**. The current zoning designation is R7-1 Vacant Zoned Residential (V0). The proposed use is consistent with existing zoning for the property. The Site is slated for redevelopment for one six-story residential apartment building with a basement and sub-basement cellar level. The proposed building consists of 61 apartment units from the first to the sixth floor. The basement level will be utilized for three apartment units, utility and maintenance rooms,

laundry room, and office space. The sub-basement cellar level will be utilized for storage, one recreational room, utility room and refuse/recycling room. The excavation depth of the cellar will be 12'- 6". Groundwater is not expected to be encountered during these activities. The proposed building will not cover the entire footprint of the Site. Specifically, the southeastern portion of the Site will maintain a landscaped yard area with an approximate footprint of 3,600 ft^2. Approximately 1,150 ft^2 of this landscaped area will be covered by a concrete patio. The remedial action contemplated under the RAWP and this RAWP Addendum may be implemented independently of the proposed redevelopment plan.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The contiguous properties are utilized as residential apartments. The character of the neighborhood is primarily residential apartments with few stores maintained on the first floors. One daycare facility is located within 250' to the southeast of the Site and three public schools are located within a 500' radius of the Site. **Figure 1** shows the surrounding land usage.

1.4 HISTORIC SITE USE

A review of historic records revealed that Lot 125 has been utilized as a dry-cleaning facility from at least 1948 to approximately 1979. The building maintained on this Lot was listed as being services by a fuel oil fired heating system. The historic use of Lot 128 consisted of a parking lot.

1.5 SUMMARY OF REMEDIAL INVESTIGATION

The environmental investigation identified presence of urban fill from grade to approximately 10 foot depths. The investigation identified VOCs impacted soils in the vicinity of the former dry-cleaning facility. Soils were also impacted with some metals, pesticides and SVOCs. Groundwater identified low levels of VOCs and metals. No pesticides or PCBs were detected in groundwater.

Soil vapor samples identified BTEX, PCE and TCE at various locations of the property.

Soil and groundwater results support an onsite origin of PCE (associated with former dry cleaner) but do not support significant onsite disposal area.

2.0 REMEDIAL ACTION OBJECTIVES

As per the June 2011 Remedial Action Work Plan, the following Remedial Action Objectives (RAOs) have been identified for this Site:

Groundwater

- Remove contaminant sources causing impact to groundwater.
- Prevent direct exposure to contaminated groundwater.
- Prevent exposure to contaminants volatilizing from contaminated groundwater.

Soil

- Prevent direct contact with contaminated soil.
- Prevent exposure to contaminants volatilizing from contaminated soil.
- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

- Prevent exposure to contaminants in soil vapor.
- Prevent migration of soil vapor into the proposed dwelling and into the basements of other occupied structures.

3.0 REMEDIAL ACTION

3.1 SUMMARY OF JUNE 2011 REMEDIAL ACTION WORK PLAN

As described in the June 2011 RAWP, the elements of the remedial action are:

1. Preparation of a Community Protection Statement and performance of all required NYC BCP citizen participation activities according to an approved Citizen Participation Plan (CPP).
2. Establish Track 2 Restricted Residential Soil Cleanup Objectives (SCOs).
3. Excavation and removal of soil/fill exceeding Track 2 Restricted Residential SCOs. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with all Federal, State and City laws and regulations for handling, transport, and disposal.
4. Collection and analysis of end-point samples to evaluate the performance of the remedy with respect to attainment of SCOs.
5. Installation of a vapor membrane system beneath entire building slab and the side walls.
6. Installation and operation of an active sub slab depressurization system (SSDS).
7. Performance of Community Air Monitoring Program for particulates and volatile organic carbon compounds.
8. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.
9. Implementation of storm-water pollution prevention measures.
10. Performance of all activities associated with the remedial action, including permitting requirements and pretreatment requirements, will be addressed in accordance with all applicable Federal, State and City laws and regulations.
11. Sampling and analysis of excavated media as required by disposal facilities.
12. Removal of all Underground Storage Tanks, if any, and closure of petroleum spills, if any, under authority of New York State Department of Environmental Conservation.

13. Screening for indications of contamination (by visual means, odor, and monitoring with a photo ionization detector (PID)) of excavated soil/fill during all intrusive work.

14. Establishment in a recorded Declaration of Covenants and Restrictions, a series of Institutional Controls on the Site, including: (1) compliance with the provisions of the recorded Declaration of Covenants and Restrictions; (2) compliance with provisions of the approved Site Management Plan; (3) operation and maintenance of Engineering Controls as specified in the Site Management Plan; (4) inspection and certification of all Engineering Controls at a frequency and in a manner defined in the Site Management Plan; (5) reporting at a frequency and in a manner defined in the Site Management Plan; and (6) prohibition of discontinuation of Engineering Controls without an OER-approved amendment or extinguishment of the Declaration of Covenants and Restrictions.

15. Establishment in a recorded Declaration of Covenants and Restrictions, a series of site restriction Institutional Controls on the Site, including: (1) prohibition of vegetable gardening and farming; (2) prohibition of the use of groundwater without treatment rendering it safe for the intended use; (3) prohibition on all disturbance of residual contaminated material unless it is conducted in accordance with the provisions in the Site Management Plan; and (4) prohibition on higher level of land usage without an OER-approved amendment or extinguishment of this Declaration of Covenants and Restrictions.

16. Submission of a RAR which describes the remedial activities including any changes from this RAWP, certifies that the remedial requirements have or will be achieved, defines the Site boundaries, and describes any Engineering and Institutional Controls to be implemented at the Site.

17. Submission of an approved Site Management Plan in the Remedial Action Report for long-term management of residual contamination, including plans for Institutional and Engineering Controls for: (1) inspection and certification, (2) monitoring, (3) operation and maintenance, and (4) reporting.

3.2 SUMMARY OF RAWP STIPULATIONS LIST

Based on review of the June 2011 RAWP and revised site redevelopment plans, the New York City Office of Environmental Remediation (OER) approved the *Remedial Action Work Plan Stipulations List*, dated

September 2011 as an addendum to the remedial action for the Site. The additional stipulations include the following:

1. If petroleum containing tank or vessel is identified during the remedial action or subsequent redevelopment excavation activities, the *Generic Procedures for Management of Underground Tanks Identified Under the NYC VCP* (**Appendix D**) criterion will be utilized. All petroleum spills will be reported to the NYSDEC hotline as required by applicable laws and regulations. This contingency plan is designated for heating oil tanks and other small or moderately sized storage vessels. If larger tanks, such as gasoline storage tanks are identified, OER will be notified before this criterion is utilized.
2. Provide a map indicating the post-remedial End Point Sampling Locations. Attached as **Appendix E**.
3. Provide certified, signed, and stamped architectural and engineering plans, including final cover slab design, excavation diagram for footings/development –related excavation, vapor barrier design, and active sub-slab depressurization system (SSDS) design and specifications. Attached as **Appendix F**.
4. Effectiveness of the active SSDS will be confirmed by post remediation monitoring through vent testing. Vent test protocol will be established for approval in the Site Management Plan. Results will be reported in the Final Engineering Report and subsequent Site Management Reports.
5. Provide OER with pre-approved letter from all disposal facilities prior to any soil/fill material removal from the site. Documentation specified in the RAWP – Appendix 3 – Section 1.6 "Materials Disposal Off-Site" will be provided to OER. If a different disposal facility for the soil/fill material is selected, OER will be notified immediately.
6. A CD containing the final RAWP including the approved Stipulation List will be placed in the library that constitutes the primary public document repository.
7. Signage for the project will include a sturdy placard mounted in a publically accessible right of way to building and other permits signage will consist of the NYC VCP Information Sheet announcing the remedial action. The information sheet will be laminated and permanently affixed to the placard.
8. Provide updated project schedule. Attached as **Appendix G**.
9. Provide a plan for excavation of the soil/fill material at the Site (attached as **Appendix E**). In the hotspot area in the southwestern portion of the site, the soil/fill material will be excavated to a depth of 25 feet BEG or to the top of bedrock and a chemical oxidation reagent will be applied

to the bottom of the excavation. Provide a map showing where the chemical oxidation reagent will be applied (**Appendix H**). Prior to the initiation of the excavation activities, the chemical oxidation reagent will be injected into the groundwater utilizing the current on-site groundwater monitoring well network.

10. This NYC VCP project involving the removal and transportation of hazardous waste may be subject to the New York State Department of Environmental Conservation's Special Assessment Tax (ECL 27-0923) and Hazardous Waste Regulatory Fees (ECL 72-00402).
11. New York State Law requires notification of building occupants when active soil vapor mitigation is utilized during a remedial action. The Site Management Plan includes a plan to comply with this law.
12. All landscaped and/or grade-level open spaces must be covered with concrete, asphalt pavement, or two feet of certified clean cover material. The certified clean cover material must be segregated from any other material on the site and must be approved by OER prior to backfilling. A highly visible demarcation barrier must be installed underneath the two feet of clean certified clean cover material.
13. Provide updated Summary of the Remedy. Attached as **Appendix I**.

The *Remedial Action Work Plan Stipulations List* is attached in **Appendix A**.

4.0 REMEDIAL ACTION ADDENDUM

The following Remedial Action Work Plan revisions and additional stipulations are based on revised redevelopment plans, review and comments of the RAWP and RAWP Stipulations List by the New York City Office of Environmental Remediation, and a RAWP Addendum scoping meeting and phone conference on October 10, 2013 and October 25, 2013 with the NYC OER. The stipulations of this RAWP Addendum are added to the RAWP and RAWP Stipulations List and will supersede the content in the RAWP and RAWP Stipulations List where there is conflict in purpose or intent.

4.1 SOIL CLEANUP OBJECTIVES AND SOIL/FILL MANAGEMENT

Track 2 Restricted Residential Soil Cleanup Objectives (SCOs) are proposed for this project. If Track 2 Restricted Residential SCOs are not achieved the following site-specific Track 4 SCOs will be used:

Contaminant	**Track 4 SCOs**
Barium	750 ppm
Cadmium	9.0 ppm
Lead	800 ppm
Mercury	1.5 ppm

Soil and materials management on-Site and off-Site will be conducted in accordance with the RAWP Appendix 3 – Soil/Materials Management Plan. The building footprint will be excavated to the bottom of foundation footings, excavation depths vary from 12.5 feet below grade to 2 feet below grade due to the sloped topography of the Site. The proposed landscaped areas are currently below the planned final grade and will not be excavated; a minimum 2-foot cap of imported certified clean fill will be placed over all landscaped areas. The hotspot area in the southeastern portion of the site will be excavated to a depth of 25 feet BEG or to top of bedrock (whichever comes first). The total quantity of soil/fill expected to be excavated and disposed off-site is approximately 5,000 tons.

Import and Reuse of Soils

Soil and fill that is derived from the property that meets the soil cleanup objectives established in this plan may be reused on-Site. The soil cleanup objectives for on-Site reuse are Track 2 Restricted

Residential SCOs. 'Reuse on-Site' means material that is excavated during the remedy or development, does not leave the property, and is relocated within the same property and on comparable soil/fill material, and addressed pursuant to the NYC VCP agreement subject to Engineering and Institutional Controls and the RAWP Appendix 3. The placement locations of reused material will be reported in the Remedial Action Report (RAR).

Materials Disposal Off-Site

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Enrollee to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in Bronx, New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Enrollee. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be provided to OER prior to any soil/fill material removal from the Site and are included in **Appendix B**.

Soils excavated from the VOC hotspot will be disposed at Cumberland County Solid Waste Complex in Millville, New Jersey. Soils excavated from areas outside of the VOC hotspot will be disposed at Phase III Environmental in Palmerton, Pennsylvania. As per the aforementioned disposal facility's material acceptance criteria, soils containing high quantities of debris (brick, block, concrete, stone, etc.) or debris larger than 6-inches cannot be accepted and must be screened prior to disposal. In order to meet the end-use facility material acceptance criteria, soils containing high quantities of debris or oversized debris will be screened at Impact Recovery and Reuse Center in Lyndhurst, New Jersey. Screened soils will then be transported for disposal at the appropriate end-use facility. Municipal solid waste cannot be disposed at any of the selected facilities and must be removed from soils prior to off-site transportation. The table below identifies the intended disposal facilities and material each will accept.

Disposal Facility	Address	Materials Accepted
Cumberland County Solid Waste Complex	169 Jesse Bridge Road Millville, New Jersey	"VOC Hotspot" Soils
Phase III Environmental	1120 Mauch Chunk Road Palmerton, Pennsylvania	"Non-VOC Hotspot" Soils
Impact Recovery and Reuse Center (Soil Screening Transfer Facility)	1000 Page Avenue Lyndhurst, New Jersey	Class B Materials

If a different disposal facility for the soil/fill material is selected, OER will be notified immediately.

4.2 IN SITU CHEMICAL OXIDATION

PersulfOx is an in situ chemical oxidation reagent that destroys organic contaminants found in groundwater and soil through powerful yet controlled chemical reactions. PersulfOx is a sodium persulfate-based technology which employs a catalyst to enhance oxidative destruction of both hydrocarbon and chlorinated contaminants in the subsurface.

Groundwater Treatment

PersulfOx will be injected, in a wet-slurry form, into the groundwater utilizing the current on-site monitoring well network consisting of up to six groundwater monitoring wells. The PersulfOx slurry is made using the dry PersulfOx powder mixed with water. Slurry will be mixed on-site in a volume determined to be used within the workday, once mixed PersulfOx will dissolve and remain in solution but as with all chemical mixtures the solution will be checked periodically throughout the workday. Once proper PersulfOx slurry installation has been achieved, a bentonite plug will be installed at each well to assure that the slurry stays in place and prevents contaminant migration from the surface.

Locations of groundwater monitoring wells in which PersulfOx will be introduced for groundwater treatment are depicted in **Appendix H.**

Hotspot Treatment

In the hotspot area in the southwestern portion of the Site, the soil/fill material will be excavated to a depth of 25 feet BEG or to the top of bedrock, whichever occurs first, and PersulfOx, in a wet-slurry form, will be applied to the bottom of the excavation. Slurry will be mixed on-site in a volume determined to be used within the workday, once mixed PersulfOx will dissolve and remain in solution and will be checked periodically throughout the workday. The slurry will be applied in quantities sufficient to percolate into the groundwater table. During PersulfOx installation, the site geologist will determine adjustments made to the slurry mix consistency and volume applied to the excavation based on field observations.

Location of PersulfOx hotspot treatment is depicted in **Appendix H.**

PersulfOx treatment of groundwater and hotspot will be documented and reported in the Remedial Action Report (RAR).

4.3 POST-REMEDIAL END-POINT SAMPLES

Removal actions for development purposes under this plan will be performed in conjunction with post-remedial end-point soil sampling. Post-remedial end-point samples will be collected from the base of the excavation. End-point sample location map is included as **Appendix E**. Analytes will include the full list of pesticides and metals according to analytical methods described below.

Post-remediation end-point sample locations and depth will be biased towards the areas and depths of highest contamination identified during previous sampling episodes unless field indicators such as field instrument measurements or visual contamination identified during the remedial action indicate that other locations and depths may be more heavily contaminated. In all cases, post-remediation samples should be biased toward locations and depths of the highest expected contamination.

New York State ELAP certified labs will be used for all confirmation and end-point sample analyses. Labs performing confirmation and end-point sample analyses will be reported in the RAR. The RAR will provide a tabular and map summary of all confirmation and end-point sample results and will include all data including non-detects and applicable standards and/or guidance values. End-point samples will be Confirmation samples will be analyzed for compounds and elements as described above utilizing the following methodology:

Soil analytical methods will include:

- Target Analyte List metals; and
- Pesticides by EPA Method 8081

Quality Assurance/Quality Control

QA/QC procedures will be used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for documentation and groundwater sampling. Sampling equipment will be decontaminated by wiping clean, washing with Alconox solution, rinsing with deionized water and air drying prior to each use in order to ensure that cross-contamination between sampling locations does not occur. Decontamination procedures will be performed in an area segregated from any sampling areas. Each sample will be collected in pre-cleaned, laboratory supplied glassware, appropriately labeled, stored in a cooler with ice and submitted for analysis under proper chain of custody procedures to Alpha Analytical Laboratories (Alpha) of Westborough, MA, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11148. One blind duplicate sample will be prepared and submitted for analysis every 20 samples.

4.4 DEMARCATION

After completion of hotspot removal and any other invasive remedial activities, and prior to backfilling, the top of the residual soil/fill within the footprint of the new building will be defined by a land survey or cross section plans showing depths to residual soil/fill. A highly visible demarcation layer, such as construction fencing, shall be placed at the bottom of excavation within landscaped areas prior to backfill with 2-feet of clean cover soil. As appropriate, a map showing the method of demarcation for the Site and all associated documentation will be presented in the RAR.

This demarcation will constitute the top of the site management horizon. Materials within this horizon require adherence to special conditions during future invasive activities as defined in the Site Management Plan.

4.5 ACTIVE SUB-SLAB DEPRESSURIZATION SYSTEM

An active sub-slab depressurization system (SSDS) will be installed within the building footprint underneath the slab. The SSDS will provide a conduit for potential residual soil gas vapors to vent to the atmosphere. Said SSDS consists of vapor collecting screen/pipes within the building footprint. Based on architectural and engineering plans for the first floor (A-103.00, rev 6/18/13), basement (A-102.00, rev 6/18/13), and sub-basement cellar (A-101.00, rev 6/18/13); SSDS will be installed in three separate areas due to the stepped foundation design consisting of slab-on-grade structures on different elevations. SSDS will be installed beneath the slab-on grade of the meter rooms and storage area in the north western portion of the basement and the apartment in the south eastern portion of the basement, and beneath the entire slab-on-grade in the sub-basement cellar. The SSDS layout and details are attached as **Appendix F**.

Schedule 40 slotted PVC screens will be installed within the building footprint underneath all slab-on-grade structures. PVC screens will be installed 1 foot below slab. The screens will be backfilled over and compacted with clean 3/4-inch pea gravel. Total depth of compacted gravel surrounding piping will be a minimum of 10-inches thick. PVC screens are manifolded to 4-inch diameter solid PVC pipes and then to 4-inch diameter steel riser. The riser will raise 3-feet above the roof. A rain cap will be installed at the end of the riser. The SSDS will be operated actively by installation of an inline electric fan on the riser.

Post Remediation Monitoring

Effectiveness of the active SSDS will be confirmed by post remediation monitoring through vent testing. Sampling ports will be installed at each separate SSDS branch at the basement level from which sampling canisters will be connected during the SSDS testing. Samples will be submitted to a certified lab for TO-15 (2hr) analysis. Results will be reported in Final Engineering Report and subsequent Site Management Reports.

New York State Law requires notification of building occupants when active soil vapor mitigation is utilized during a remedial action. The Site Management Plan will include a plan to comply with this law.

4.6 VAPOR BARRIER SYSTEM

A high density polyethylene (HDPE) non-waterproof vapor barrier or retarder membrane (herein designated as "vapor barrier") will be installed over the entire footprint of the building and foundation sidewalls during construction of the new building slab on grade. The vapor barrier membrane will be a conservative measure to prevent human exposure. The vapor barrier materials shall have a minimum thickness of 20 mils (0.5 mm). The vapor barrier will be Reef Industries Griffolyn 20 mil reinforced vapor barrier or equivalent. The membrane will be overlapped by a minimum of 6 inches and secured with mastic or asphaltic tape. Conduits penetrating the slab surface will be sealed with mastic or HDPE boots secured with the asphaltic tape. Inspections of the vapor barrier installation will be performed under the oversight of a Professional Engineer. The vapor barrier design and layout plan is attached as **Appendix F**.

4.7 COMPOSITE COVER SYSTEM

Exposure to residual soil/fill will be prevented by an engineered, composite cover system to be built on the Site. This composite cover system is comprised of

1. 5-inch thick concrete building slab beneath the entire proposed building, including both the basement, sub-basement cellar and first floor slab on grade areas, 12 inch thick concrete foundation walls,
2. 2-foot thick clean cover over all open space landscape areas located over any residual site soil/fill; and
3. 4 -inch thick concrete walkways.

Typical design for each remedial cover type used on this Site and location of each is depicted in **Appendix C**.

All landscaped and/or grade-level open spaces will be covered with concrete walkways or two feet of certified clean cover material. The certified clean cover material will be segregated from any other material on the site and will be approved by OER prior to backfilling. A highly visible demarcation barrier, as described in Section 4.5 of this RAWP Addendum, will be installed underneath the two feet of certified clean cover material in all landscaped areas.

The composite cover system is a permanent engineering control for the Site. The system will be inspected and reported at specified intervals as required by this RAWP and the SMP. A Soil

Management Plan will be included in the Site Management Plan and will outline the procedures to be followed in the event that the composite cover system and underlying residual soil/fill is disturbed after the remedial action is complete. Maintenance of this composite cover system will be described in the Site Management Plan in the RAR.

5.0 SCHEDULE

The table below presents a revised estimated schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
Fact Sheet 2 announcing start of remedy	August, 2013	0
Mobilization	August 2013	1
Remedial Excavation	September 2013	5
Demobilization	January 2014	1
Record Declaration of Covenants and Restrictions	March 2014	1
Submit Remedial Action Report	April 2014	4

FIGURES

IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

1560 BROADWAY, SUITE 1024
NEW YORK, NEW YORK 10036
TEL (212) 201-7905 FAX (212) 201-7906

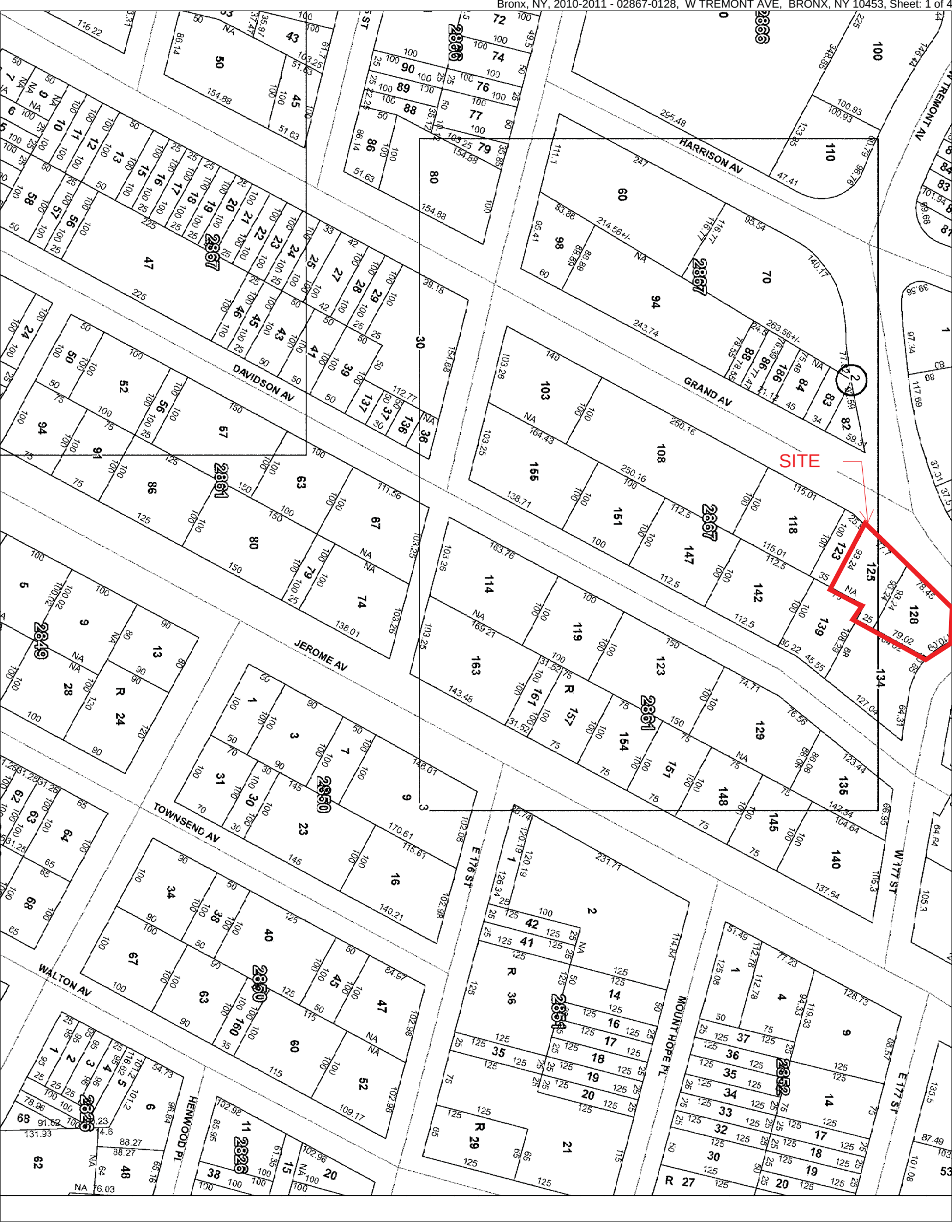
TITLE:
Surrounding Land Use

60 W 177th St &
92 W Tremont Ave.
Bronx, New York

DRAWN BY:	JC
CHECKED BY:	KK
DATE:	06/29/2011
SCALE:	1 : 90

PROJECT #	2166-03-03-3002
Figure #	01

BCP # 12CBPO16X


SITE
HARRISON AV
DAVIDSON AV
GRAND AV
JEROME AV
TOWNSEND AV
WALTON AV
HENWOOD PL
MOUNT HOPE PL
E 176 ST
W 177 ST
W TREMONT AV

APPENDIX A

REMEDIAL ACTION PLAN STIPULATIONS LIST

Long Island | 170 Keyland Court | Bohemia, NY 11716 | Tel: 631.269.8800 Fax: 631.269.1599

Manhattan | 1560 Broadway, Suite1024 | New York, NY 10036 | Tel: 212.201.7905 Fax: 212.202.4079

www.impactenvironmental.com

September 6, 2011

New York City Office of Environmental Remediation
City Brownfield Cleanup Program
c/o Mr. Shaminder Chawla
100 Gold Street, 2nd Floor
New York, NY 10038

Re: NYC BCP Project #12CBCP016X
92 West Tremont Avenue (aka 60 West 177th Street)
Remedial Action Work Plan Stipulation List

Dear Mr. Chawla,

Impact Environmental hereby submits a Remedial Action Work Plan (RAWP) Stipulation List for the subject site to the New York City Office of Environmental Remediation (OER) on behalf of Promesa Systems, Inc. This letter serves as an addendum to the RAWP to stipulate additional content, requirements, and procedures that will be followed during the site remediation. The contents of this list are added to the RAWP and will supersede the content in the RAWP where there is a conflict in purpose or intent. The additional requirements/procedures include the follow:

Stipulation List

1. The criterion attached in **Addendum 1** will be utilized if petroleum containing tank or vessel is identified during the remedial action or subsequent redevelopment excavation activities. All petroleum spills will be reported to the NYSDEC hotline as required by applicable laws and regulations. This contingency plan is designed for heating oil tanks and other small or moderately sized storage vessels. If larger tanks, such as gasoline storage tanks are identified, OER will be notified before this criterion is utilized.

2. A map indicating the post-remedial End Point Sampling Locations is attached in **Addendum 2**.

3. Certified, signed, and stamped architectural and engineering plans, including final cover slab design, excavation diagram for footings/development-related excavation, vapor barrier design (a cross-sectional diagram and top-down view showing the horizontal layout/design), and active sub-slab depressurization system (SSDS) design and specifications are attached in **Addendum 3**.

4. Effectiveness of the active SSDS will be confirmed by post remediation monitoring through vent testing. Vent test protocol will be established for approval in Site Management Plan. Results will be reported in Final Engineering Report and subsequent Site Management Reports.

5. A pre-approval letter from all disposal facilities will be provided to OER prior to any soil/fill material removal from the site. Documentation specified in the RAWP - Appendix 3 - Section 1.6 "Materials Disposal Off-Site" will be provided to OER. If a different disposal facility for the soil/fill material is selected, OER will be notified immediately.

6. A CD containing the final RAWP including this approved Stipulation List will be placed in the library that constitutes the primary public repository for project documents.

7. Signage for the project will include a sturdy placard mounted in a publically accessible right of way to building and other permits signage will consist of the NYC BCP Information Sheet (attached **Addendum 4**) announcing the remedial action. The Information sheet will be laminated and permanently affixed to the placard.

8. Updated project schedule is provided in **Addendum 5**.

9. A plan for excavation of the soil/fill material at the Site is shown in **Addendum 2**. The entire property will be excavated to a minimum depth of 12.5 feet below existing grade (BEG). In the hotspot area in the southwestern portion of the site, the soil/fill material will be excavated to a depth of 25 feet BEG or to the top of bedrock and ORC will be applied to the bottom of the excavation. The map showing where the ORC will be applied is attached in **Addendum 6**. Prior to the initiation of the excavation activities, ORC will be injected into the groundwater utilizing the current on-site groundwater monitoring well network.

10. This NYC BCP project involving the removal and transportation of hazardous waste may be subject to the New York state Department of Environmental Conservation's Special Assessment Tax (ECL 27-0923) and Hazardous Waste Regulatory Fees (ECL 72-00402). See DEC's website for more information: http://www.dec.ny.gov/chemical/9099.html.

11. New York State Law requires notification of building occupants when active soil vapor mitigation is utilized during a remedial action. The Site Management Plan includes a plan to comply with this law.

12. All landscaped and/or grade-level open spaces must be covered with concrete, asphalt pavement, or two feet of certified clean cover material. The certified clean cover material must be segregated from any other material on the site and must be approved by OER prior to backfilling. A highly visible demarcation barrier (i.e. orange geosynthetic material or the equivalent) must be installed underneath the two feet of certified clean cover material.

13. An updated Summary of the Remedy (from the Executive Summary in the RAWP) is attached as Addendum 7.

Sincerely,

James Cressy
Assessment Supervisor

Cc: M. Mandac, OER
T. Brown, Promesa Systems

APPENDIX B

DISPOSAL FACILITY APPROVAL LETTERS

Cumberland County Improvement Authority

August 13, 2013

Mr. Philip Guenzer
ENR-Environmental Services, LLC.
PO Box 70
Winslow, NJ 08095

RE: Landfill Daily Cover Soil
92 West Tremont
New York, NY

Dear Mr. Guenzer:

Based on the review of the above referenced results performed by Alpha Analytical (sample #: L1314887). I have determined that the soil meets the criteria for non-hazardous I.D. 27 soil and is acceptable for use as daily cover at the Cumberland County Solid Waste Complex. Accordingly the soil may be delivered to the Cumberland County Solid Waste Complex for use as daily cover at a tipping fee of [redacted]

All debris (wood, plastic paper, etc.) must be removed from the soil prior to delivery.

All concrete, brick, blocks, and rock over 6 inches in any dimension must be removed prior to delivery.

Per our various discussions, sampling and analysis is to be conducted at the rate of one per 1000 cubic yards of soil. This letter is granting approval for approx. (1,500 tons). The results of the additional sampling are to be submitted as soon as possible.

All trucks transporting the above referenced soil to the Cumberland County Solid Waste Complex must be A-901 registered vehicles, must have towing hooks both front and rear and must be properly tarped.

Each truck delivering soil from the above referenced site must present a copy of the attached form signed by me to the weigh-master upon arrival at the Cumberland County Solid Waste Complex along with ENR-Environmental Service's "Shipping Documents". **Trucks not presenting a copy of this form to the scale house will be denied admittance to the facility.**

All trucks transporting the above referenced soil must be weighed at the Cumberland County Solid Waste Complex and will then be directed either to the working face of the landfill or to the soil stockpile area where the load will be tipped.

Delivery of the soil to the Cumberland County Solid Waste Complex may begin on Wednesday, August 14, 2013 contingent upon the submission of a list of the A-901 license numbers of the trucks (if different those already on file with us) that will be used to transport the soil.

Please call Mr. Craig Truitt at (856) 825-3700 regarding any rescheduling of the delivery of the soil to the landfill.

Very Truly Yours,

James B. Rocco

cc: Jerry Velazquez, III, Executive Director
Craig Truitt, Facility Manager
Scale House Personnel
Accounts Receivable

CUMBERLAND COUNTY IMPROVEMENT AUTHORITY

DELIVERY OF SOIL TO SOLID WASTE COMPLEX

SCALEHOUSE PERSONNEL PLEASE ADMINISTER AS FOLLOWS:

Charge Account #	**165**	
Commodity Code	**27S$$$**	[redacted]
Origin	**XOOS**	**New York**
Comment Field	**221 92 West Tremont New York, NY**	
Delivery start date:	**August 14, 2013**	

The approval for this delivery is currently 1,500 tons. Approval for additional tonnage please call Jim Rocco

James B. Rocco

8-13-13

Date

IMPACT ENVIRONMENTAL
170 Keyland Court| Bohemia| NY | 11716 | 631.269.8800
welcome to solid ground… *www.impactenvironmental.com*

July 30, 2013

Kevin Kleaka
Impact Environmental
170 Keyland Ct
Bohemia, NY 11716

RE: IMP #2166-01-01-1001
92 W. Tremont Ave. (60 W. 177th St.), Bronx, New York

Dear Mr. Kleaka:

Impact Environmental Consulting, Inc. is the authorized environmental compliance engineer for the disposal facility at the former NJ Zinc site in Palmerton, PA. As compliance engineer, Impact Environmental reviews analytical data and site background information for site-specific sources to evaluate acceptance of materials into the facility in compliance with the facility permit.

Impact Environmental has reviewed information regarding material from the above referenced site ("site"). The review included an evaluation of the following documents:

- Soil Removal Tonnage Estimation Map;
- Contained-In Request Approval Letter dated July 8, 2013 (NYSDEC);
- Soil Boring Location Map (Impact Environmental); and
- Remedial Investigation Report (Impact Environmental).

The analytical data subject to the reports was reviewed and compared with the facility permit requirements. Soils from the "non-VOC Hot Spot" area representing by the following samples are acceptable for reuse at the NJ Zinc – West Plant site:

SP1 0-2', SP5 0-2', SP7 0-2', SP8 0-2', SP9 0-2', SP10 0-2' and SP11 0-2'.

Prior to the disposal at the facility, two four-point composite samples shall be collected after the excavated soil is stockpiled on-site and analyzed for TCL VOCs (on grab), TCL SVOCs, pesticides, herbicides, TAL metals and pH. Material can be accepted at the facility contingency upon the two confirmatory samples meet the facility acceptance criteria. In addition, before the material can be accepted at the facility, a complete signed Application shall be provided. The volume of material represented by this conditional approval is approximately 1,500 CYD. The material meets the definition of Regulated fill as defined in General Permit No. WMGR096. Soil will be accepted and managed in accordance with facility permits. Please feel free to contact me with any questions.

Sincerely,
IMPACT ENVIRONMENTAL

Richard Parrish
President

IMPACT ENVIRONMENTAL
170 Keyland Court| Bohemia| NY | 11716 | 631.269.8800
welcome to solid ground… *www.impactenvironmental.com*

August 16, 2013

Kevin Kleaka
Impact Environmental
170 Keyland Ct
Bohemia, NY 11716

RE: IMP #2166-01-01-1001
92 W. Tremont Ave. (60 W. 177th St.), Bronx, New York

Dear Mr. Kleaka:

We have reviewed information regarding the material from the above referenced site ("site") proposed for acceptance at the Impact Recovery and Reuse Center ("IRRC") located at 1000 Page Avenue, Lyndhurst, NJ. Impact Environmental has reviewed the following documents:

- Soil Removal Tonnage Estimation Map;
- Contained-In Request Approval Letter dated July 8, 2013 (NYSDEC);
- Soil Boring Location Map (Impact Environmental);
- Laboratory report dated August 9, 2013 (Alpha);
- Site pictures; and
- Remedial Investigation Report (Impact Environmental).

The reports/investigations identifies that the site is underlain by a fill layer comprised principally of a mix of brick and block with incidental soils. Such materials are acceptable to the IRRC facility as Class B material. The reports and lab data identifies that the IRRC facility can accept Class B materials from the excavation area.

The Class B materials are recycled and returned into the economic mainstream as a valuable commodity for variety of end uses, including a saleable product and/or materials are beneficially reused for landfill closure at the Kingsland Redevelopment Area.

The appropriate end-market facilities for the soil byproducts have been identified as follows:

"VOC Hot Spot" area - Cumberland County Landfill, Millville, NJ.

"Non-VOC Hot Spot" area – Phase III Environmental, Palmerton, PA.

Receipt of all materials is subject to an inspection at the facility. The facility operates between 7:00 AM to 5:00 PM Monday through Friday and 7:00 AM to 3:00 PM on Saturday.

Sincerely,
IMPACT ENVIRONMENTAL

Richard Parrish
President

APPENDIX C

REVISED REDEVELOPMENT PLANS

WEST TREMONT RENDERING

PROMESA WEST TREMONT RESIDENCE

92 WEST TREMONT AVE.
BRONX, NEW YORK

DWG. #	DRAWING NAME
ARCHITECTURAL	
T-000.00	COVER SHEET
Z-001.00	ZONING ANALYSIS & LOCATION PLAN
Z-002.00	ZONING
A-001.00	FLOOD MAP
A-002.00	SITE SURVEY
A-003.00	NOTES
A-004.00	ADA, ABBREV, SYMBOLS & PARTITIONS
B-005.00	SOIL ANALYSIS
EC-006.00	ENERGY COMPLIANCE
EC-007.00	ENERGY COMPLIANCE
BPP-008.00	BUILDERS PAVEMENT PLAN
BPP-009.00	BUILDERS PAVEMENT PLAN
BPP-010.00	BUILDERS PAVEMENT PLAN
A-100.00	SITE PLAN
A-101.00	CELLAR PLAN
A-102.00	BASEMENT PLAN
A-103.00	FIRST FLOOR PLAN
A-104.00	TYPICAL FLOOR PLAN (2-5)
A-105.00	SIXTH FLOOR PLAN & ROOF PLAN
A-106.00	CELLAR FLOOR RCP
A-107.00	BASEMENT FLOOR RCP
A-108.00	FIRST FLOOR RCP
A-109.00	TYPICAL FLOOR (2-5) RCP
A-110.00	SIXTH FLOOR RCP
A-200.00	FRONT AND SIDE ELEVATIONS
A-201.00	REAR ELEVATION
A-300.00	BUILDING SECTIONS
A-400.00	PARTITION DETAILS
A-401.00	DOOR & WINDOW DETAILS
A-402.00	ROOF DETAILS
A-403.00	CURTAIN WALL ELEVATIONS AND SECTION
A-404.00	CURTAIN WALL SECTIONS AND DETAILS
A-405.00	TYPICAL WALL SECTION
A-500.00	TYPICAL UNIT LAYOUTS
A-501.00	TYPICAL UNIT LAYOUTS (cont'd)
A-502.00	BATH ELEVATIONS AND DETAILS
A-503.00	INTERIOR ELEVATIONS
A-600.00	DOOR & WINDOW SCHEDULE
A-601.00	FINISH SCHEDULE & DETAILS
A-700.00	STAIR PLANS & SECTIONS
A-701.00	STAIR PLANS & SECTIONS
A-702.00	ELEVATOR, TRASH CHUTE SECTIONS & DETAILS
A-800.00	LANDSCAPING PLAN
A-801.00	SITE DETAILS
STRUCTURAL	
S-001.00	STRUCTURAL NOTES
FO-100.00	CELLAR & FOUNDATION PLAN
S-100.00	BASEMENT FLOOR FRAMING PLAN
S-101.00	FIRST FLOOR FRAMING PLAN
S-102.00	SECOND FLOOR FRAMING PLAN
S-103.00	TYPICAL (3-5) FLOOR FRAMING PLAN
S-106.00	SIXTH FLOOR FRAMING PLAN
S-107.00	ROOF AND BUILKHEADS FRAMING PLAN
S-300.00	WALL SECTIONS
S-400.00	TYPICAL SECTIONS AND DETAILS
S-401.00	TYPICAL SECTIONS AND DETAILS
S-500.00	FOUNDATION SECTION AND DETAILS
S-501.00	FOUNDATION SECTION AND DETAILS
MECHANICAL	
M-001.00	CELLAR FLOOR PLAN
M-002.00	BASEMENT FLOOR PLAN
M-003.00	FIRST FLOOR PLAN
M-004.00	TYPICAL (2-5) FLOOR PLAN
M-005.00	SIXTH FLOOR PLAN
M-006.00	ROOF PLAN
M-007.00	RISER DIAGRAMS
M-008.00	DETAILS
M-009.00	SEISMIC DETAILS
M-010.00	SEISMIC DETAILS
M-011.00	SCHEDULES
M-012.00	DETAILS
PLUMBING	
P-001.00	CELLAR FLOOR PLAN
P-002.00	BASEMENT FLOOR PLAN
P-003.00	FIRST FLOOR PLAN
P-004.00	TYPICAL (2-5) FLOOR PLAN
P-005.00	SIXTH FLOOR PLAN
P-006.00	ROOF PLAN
P-007.00	SITE CONNECTION PROPOSAL
P-008.00	RISER DIAGRAMS
P-009.00	RISER DIAGRAMS
P-010.00	CONNECTION DIAGRAMS
P-011.00	DETAILS
P-012.00	SCHEDULES & DETAILS
SPRINKLER	
SP-001.00	CELLAR FLOOR PLAN
SP-002.00	BASEMENT FLOOR PLAN
SP-003.00	FIRST FLOOR PLAN
SP-004.00	TYPICAL (2-5) FLOOR PLAN
SP-005.00	SIXTH FLOOR PLAN
SP-006.00	ROOF PLAN
SP-007.00	DETAILS AND SCHEDULES
SP-008.00	RISERS AND DETAILS
ELECTRICAL	
E-100.00	LEGEND, DIAGRAMS, AND SCHEDULES
E-101.00	CELLAR PLAN
E-102.00	BASEMENT PLAN
E-103.00	FIRST FLOOR PLAN
E-104.00	TYPICAL FLOOR PLAN (2-5)
E-105.00	SIXTH FLOOR PLAN
E-106.00	ROOF PLAN
E-107.00	TYPICAL APT LAYOUT
E-201.00	SCHEDULES AND DIAGRAMS
E-202.00	DIAGRAMS
E-203.00	DIAGRAMS
E-204.00	DIAGRAMS
FIRE ALARM	
FA-101.00	FLOOR PLANS
FA-102.00	FLOOR PLANS
FA-103.00	LEGEND & DIAGRAM
FA-104.00	MATRIX & NOTES

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

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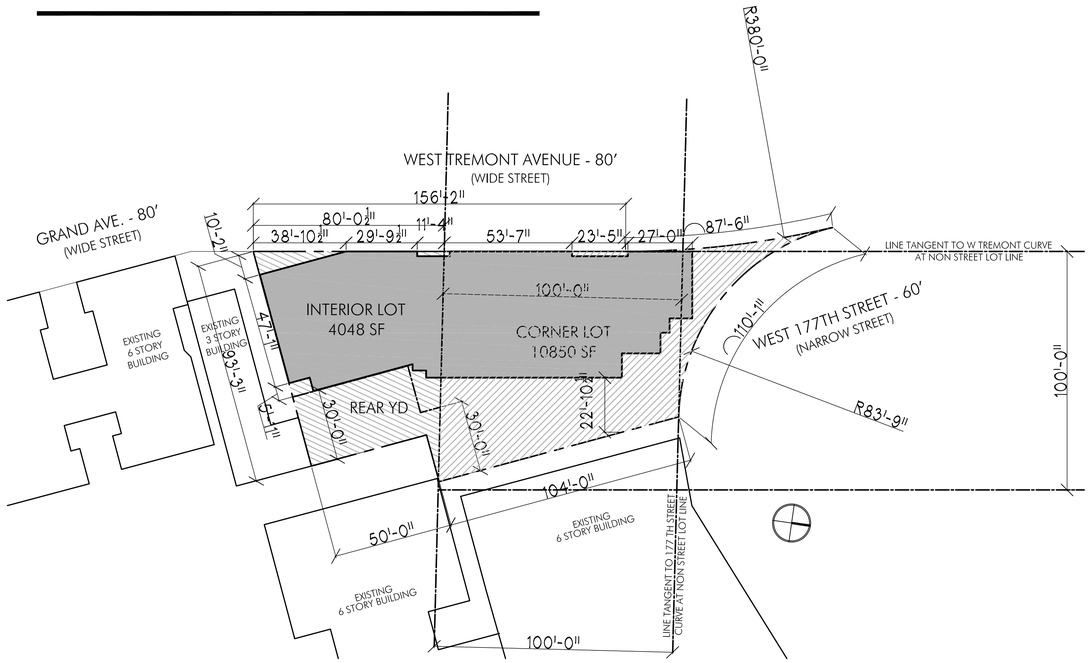
LOT PLAN 1" = 30'-0"



OCCUPANCY CLASSIFICATION: R-2 RESIDENTIAL

CONSTRUCTION CLASSIFICATION: I-B (2 HOUR PROTECTED)

PROJECT DESIGNED IN CONFORMANCE WITH:
TITLE 28_NYC BUILDING CODE (EFFECTIVE JULY 2008)

Required Community Space (NYS HCR)
60 x 15 sf + 1 x 25 = 925 sf
Proposed Community Space 2,198 sf

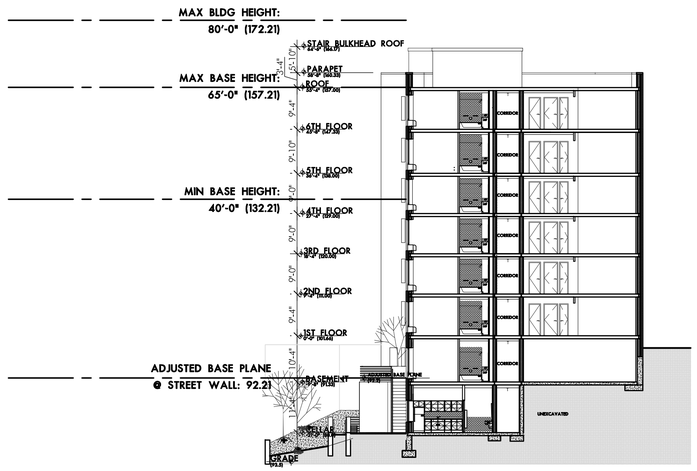
Required Tenant Bulk Storage (NYS HCR)
60 x 20 sf + 1 x 25 = 1,225 sf
Proposed Tenant Bulk Storage 1,977 sf

DISTRIBUTION CHART

FLOOR	UNIT TYPE 1 BR	UNIT TYPE 2 BR	TOTAL	GROSS SF/FL	
CELLAR	--	--	--	3387	
BSMT	2	1	3	5899	8317
FIRST	9	-	9	8616	
SECOND	10	-	10	8616	
THIRD	10	-	10	8616	
FOURTH	10	-	10	8616	
FIFTH	10	-	10	8616	
SIXTH	9	-	9	7944	
TOTAL	60	1	61	60,310	62,728

BUILDING HEIGHT DIAGRAM 1/16"=1'-0"

Section 24-522 ZR / Section 23-633



OCCUPANCY AND EGRESS CALCULATIONS

FLOOR	OCCUPANCY GROUP	FLOOR AREA (SF)	NET AREA PER OCC. BC 1004.1.2	TOTAL MAX.	REQ'D WIDTH OF EGRESS BC 1005.1	MINIMUM REQ'D WIDTH OF EGRESS (R2) PER BC 1009	# EXITS	STAIR A	STAIR B
6TH FLOOR 6TH FLOOR	R (RESIDENTIAL) TERRACE READING AREA	8010 606	200 SF 50 SF	40 P 12 P	52x0.3=15.6in.	36 in.	2	36in (120P max).	36in (120P max).
5TH FLOOR	R (RESIDENTIAL)	8616	200 SF	43 P	43x0.3=12.9in.	36 in.	2	36in (120P max).	36in (120P max).
4TH FLOOR	R (RESIDENTIAL)	8616	200 SF	43 P	43x0.3=12.9in.	36 in.	2	36in (120P max).	36in (120P max).
3RD FLOOR	R (RESIDENTIAL)	8616	200 SF	43 P	43x0.3=12.9in.	36 in.	2	36in (120P max).	36in (120P max).
2ND FLOOR	R (RESIDENTIAL)	8616	200 SF	43 P	43x0.3=12.9in.	36 in.	2	36in (120P max).	36in (120P max).
1ST FLOOR	R (RESIDENTIAL)	8000	200 SF	40 P	40x0.3=12.0in.	36 in.	2	36in (120P max).	36in (120P max).
BASEMENT	R (RESIDENTIAL) LAUNDRY ROOM LOUNGE METER ROOMS STORAGE	352 290 276 700 1973	300 SF 25 SF 7 SF 300 SF 300 SF	1 P 12 P 39 P 2 P 6 P	60x0.3=18.0in.	36 in.	2	36in (120P max).	36in (120P max).
CELLAR	BOILER ROOM RECREATION ROOM TRASH ROOM BICYCLE STORAGE	352 553 293 606	300 SF 15 SF 300 SF 300 SF	1 P 36 P 1 P 2 P	40x0.3=11.4in.	36 in.	2	36in (120P max).	36in (120P max).
TOTAL OCCUPANTS				304P					

BASED AN OCCUPANCY OF 304, ACCORDING TO SECTION BC 1018.1, 2 EXITS ARE REQUIRED FROM EACH STORY.

ZONING ANALYSIS

92 West Tremont Avenue
Bronx, NY

BLOCK: 2867
LOT: 125
ZONING MAP: 3c
ZONE: R7-1

Corner Lot Area: 10,850 S.F.
Interior Lot Area: 4048 S.F.
Total Lot Area: 14,898 S.F.

Section 23-142 ZR (Quality Housing Standards)
Floor Area Ratio (R7-1): 4.0

Total Allowable Floor Area:
14,898 x 4.0 = 59,592 sf
Proposed Gross Floor Area: 59,341 sf
Quality Housing Program Deductions 7966 sf
Total Proposed Zoning Floor Area: 51,375 sf

Max. Allowable Lot Coverage (Corner Lot) 80%
Max. Allowable Lot Coverage (Interior Lot) 65%

(10,850 SF x 0.80) = 8680 sf
(4048 SF x 0.65) 2631 sf
Total Max. Allowable Lot Coverage:
Proposed Lot Coverage: 11,311 sf

Section 23-22 ZR
Maximum # of Dwelling Units:
Max Allowable Floor Area ÷ 680
59,592÷ 680 87 DU
Proposed # of Dwelling Units 61 DU

Section 23-633 ZR
CORNER LOT
Base Flood Elevation: 10'
Base Plane: 92.21'

Total Length of Street Line
156.15' + 87.5' + 110.09' =353.74'

West Tremont Ave (156.15' + 87.5') = 243.65'
243.65'/353.74' = .69 (69% of Total Street Line)

West 177th Street = 110.09'
110.09'/353.74' = .31 (31% of Total Street Line)

Average Curb Level @ West Tremont Ave
(94.34'+103.95')/2 = 99.145' x 69% = 68.41'

Average Curb Level @ West 177th Street
(72.56'+80.98')/2 = 76.77' x 31% = 23.79'

Adjusted Base Plane (68.41' + 23.79') 92.21'

Max. Base Height: 65'-0" above base plane
92.21' + 65' = 157.21'
Proposed Base Height: 157.21'
Minimum Setback:
10'@ Wide St
15' @ Narrow St
Max. Building Height:
80'-0" + 92.21 = 172.21'
Proposed Building Height: 157.21'

Section 25-25 ZR
Required Parking
25% of Dwelling Units (Government Assisted - R-7A)
25% of 61 units = 15 spaces
Waived under Sec. 25-261 = 0 spaces required

Section 25-80 ZR
Bicycle Parking
1 per 2 Dwelling Units
Required 61/2 units = 30 spaces
Spaces Provided = 30 spaces

Section 26-41 ZR
1 tree required per 25' of street frontage
Street frontage @ West Tremont =
Street frontage @ West 177th St =
Total Street Frontage =
Required # of trees = 353'8" / 25' = 14 trees
Existing trees = 0 trees
Proposed trees = 14 trees

QUALITY HOUSING PROGRAM COMPLIANCE

Sec 28-12
Street trees - See Sec 26-41

Sec 28-21
All dwelling units exceed 400 sf floor area

Sec 28-22
All windows to be double glazed.

Sec 28-23
Trash room at each floor is 62sf > 12 sf. Deduction of 12 sf gross zoning floor area. (12x7 = 84sf deduction)

Sec 28-24
Laundry Rm Requirement - 61 Dwelling Units
1 washer/20 D.U. = 3 washers
1 dryer /40 D.U. = 2 dryers
Washers provided 5
Dryers provided 5
Minimum area for folding 3 sf/ machine
10 machines x 3sf = 30 sf
Folding area provided 77 sf

Sec 28-25
40 sf of window is provided at corridors on floors Bsmt - 6th. 50% of floor area of may be deducted from gross zoning floor area
Basement Corridor = 860 sf x .5 = 430 sf
1st Floor Corridor = 860 sf x .5 = 430 sf
2-5th Floor Corridor = 860 sf x .5 x 4 = 1720 sf
6th Floor Corridor = 860 sf x .5 = 430sf
Deduction = 3010 sf

Sec 28-31
Required recreation space = 3.3% of residential floor area
- 58,247 x 3.3% = 1,937.6 sf
Recreation space provided:
Green Roof (6th Fl) = 682 sf
Lounge (Bsmt) = 300 sf (excluded from f.a.)
Recreation Room (Cellar) = 606 sf
Rec Room Terrace = 610 sf
Total Proposed Recreation Space = 2,198 sf

Sec 28-33
Planted area provided between street wall & building

Sec 28-41
Less than 11 dwellings on each story. 50% of corridor floor area is deducted from gross zoning floor area.
Basement Corridor = 860 sf x .5 = 430 sf
1st Floor Corridor = 860 sf x .5 = 430 sf
2-5th Floor Corridor = 860 sf x .5 x 4 = 1720 sf
6th Floor Corridor = 860 sf x .5 = 430sf
Deduction = 3010 sf

28-23 Trash Room Deduction = 84 sf
28-24 Laundry Room Deduction = 261 sf
28-25 Daylight in Corridor = 3010 sf
28-31 Recreation Space = 300 sf
28-41 Density per Corridor = 3010 sf
Total = 6665 sf

PROMESA

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92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
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DATE: 05/18/2012
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DRAWING #: Z-001.00
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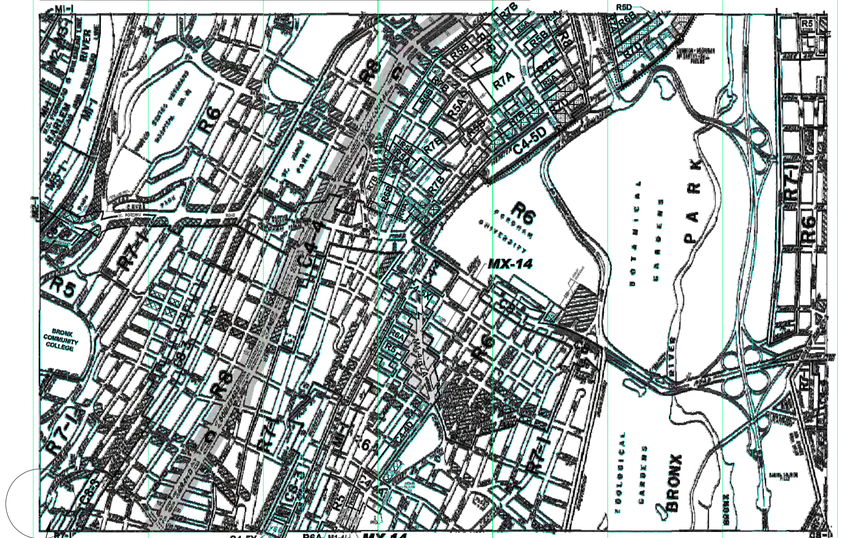
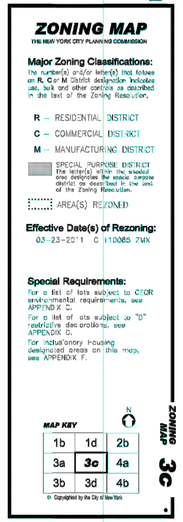
ZONING MAP



BLOCK 2867
LOT 125



NOTE: Zoning information as shown on this map is subject to change. For the most up-to-date zoning information for this map, visit the Zoning section of the Department of City Planning website: www.nyc.gov/planning or contact the Zoning Information Desk at (212) 720-3291.

C1-1 C1-2 C1-3 C1-4 C1-5 C2-1 C2-2 C2-3 C2-4 C2-5

NOTE: Where no dimensions for zoning district boundaries appear on the zoning maps, such dimensions are determined in Article VII, Chapter 8 (Special Regulations Applying to Large Scale Residential Developments) of the Zoning Resolution.

SANBORN MAP N.T.S.

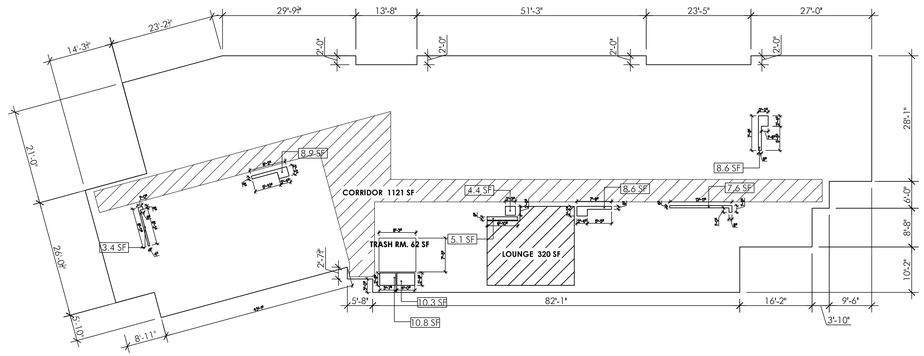
Project Site — — — 400 Foot Radius

92 West Tremont Avenue EAS — Figure 2
Sanborn Map

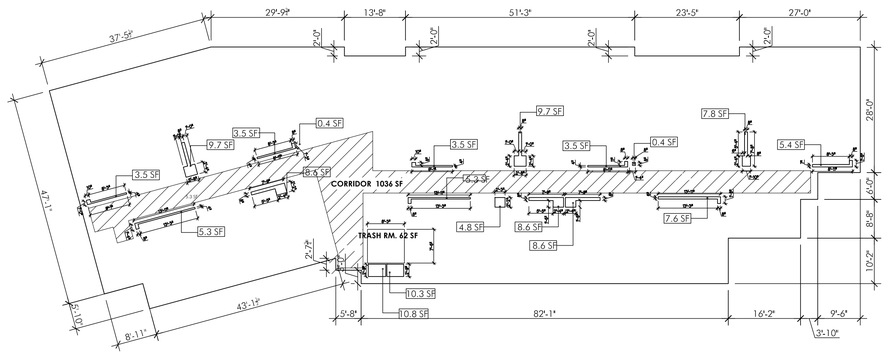
QUALITY HOUSING DEDUCTIONS

FLOOR	MECHANICAL SPACE (SQ. FT.)	TRASH ROOM (SQ. FT.)	CORRIDOR (SQ. FT.)	LOUNGE (SQ. FT.)	TOTAL QHP DEDUCTIBLE (SQ. FT.)	GROSS FL. AREA (SQ. FT.)	ZONING RESOLUTION FL. AREA
BASEMENT	67	12	1121	320	1520	8317	6797
1ST FLOOR	116	12	1036		1164	8616	7452
2ND FLOOR	126	12	920		1058	8616	7558
3RD FLOOR	126	12	920		1058	8616	7558
4TH FLOOR	126	12	920		1058	8616	7558
5TH FLOOR	126	12	920		1058	8616	7558
6TH FLOOR	118	12	920		1050	7944	6894
TOTAL	*805*	*84*	*6757*	*320*	*7966*	*59341*	*51375*

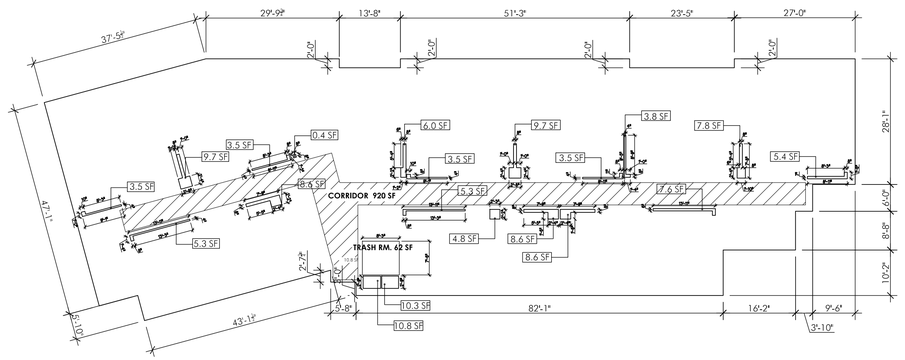
AREA CALCULATIONS 1/16" = 1'-0"



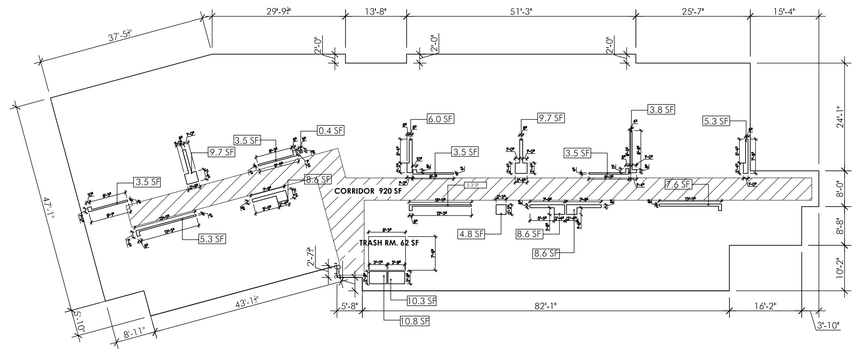
BASEMENT - 8317 SF



FIRST FLOOR - 8616 SF



TYPICAL FLOOR - 8616 SF



SIXTH FLOOR - 7944 SF

PROMESA

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92 WEST TREMONT AVE.
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NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations (BFEs) shown on this map apply only landward of 0.0' National Geodetic Vertical Datum of 1929 (NGVD 29). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was New York State Plane FIPSZONE 3104. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the National Geodetic Vertical Datum of 1929. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3191

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the Department of Information Technology and Telecommunication, City of New York. This information was derived from digital orthophotos produced at a scale of 1:1,200 with 2-foot pixel resolution from photography dated 2004.

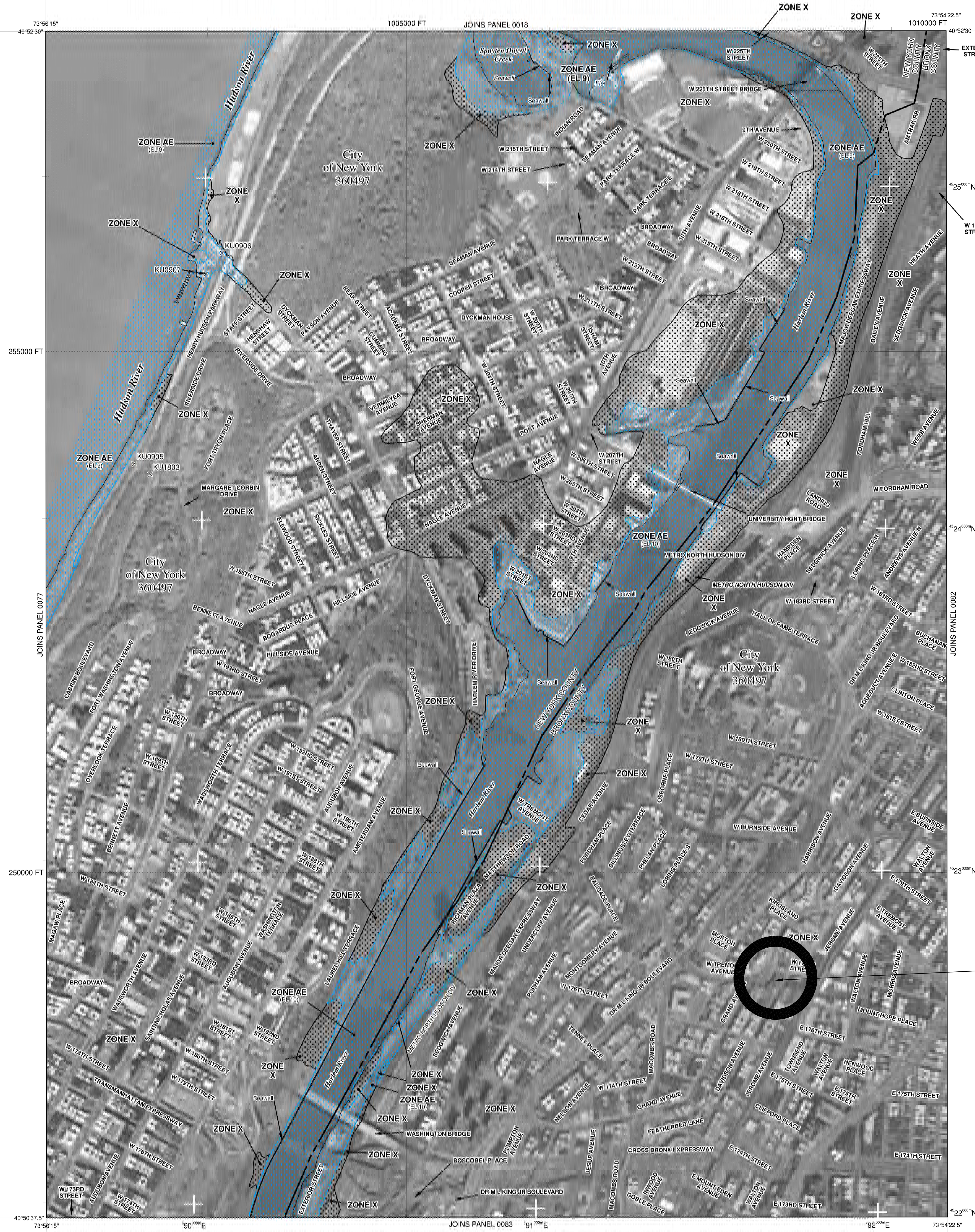
Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map showing the layout of map panels for this jurisdiction.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

513 — Base Flood Elevation line and value; elevation in feet*

(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the National Geodetic Vertical Datum of 1929

A — A Cross section line

23 - - - 23 Transect line

87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

$^{24}76^{000m}$N — 1000-meter Universal Transverse Mercator grid values, zone 18

600000 FT — 5000-foot grid ticks: New York Long State Plane coordinate system, Island zone (FIPSZONE 3104), Lambert Conformal Conic projection

DX5510 × — Bench mark (see explanation in Notes to Users section of this FIRM panel)

● M1.5 — River Mile

MAP REPOSITORY
City of New York, Department of City Planning, 22 Read Street, 6th Floor, New York, New York 10007(Maps available for reference only, not for distribution.)

INITIAL NFIP MAP DATE
June 28, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
June 11, 1976

FLOOD INSURANCE RATE MAP EFFECTIVE
November 16, 1983

FLOOD INSURANCE RATE MAP REVISIONS

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0081F

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
NEW YORK,
NEW YORK
BRONX, RICHMOND, NEW YORK, QUEENS, AND KING COUNTIES

PANEL 81 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0081	F

REVISED PRELIMINARY

OCTOBER 20, 2006

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
3604970081F

MAP REVISED

Federal Emergency Management Agency

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
FLOOD MAP

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE:
05/18/2012

JOB #:
09J06

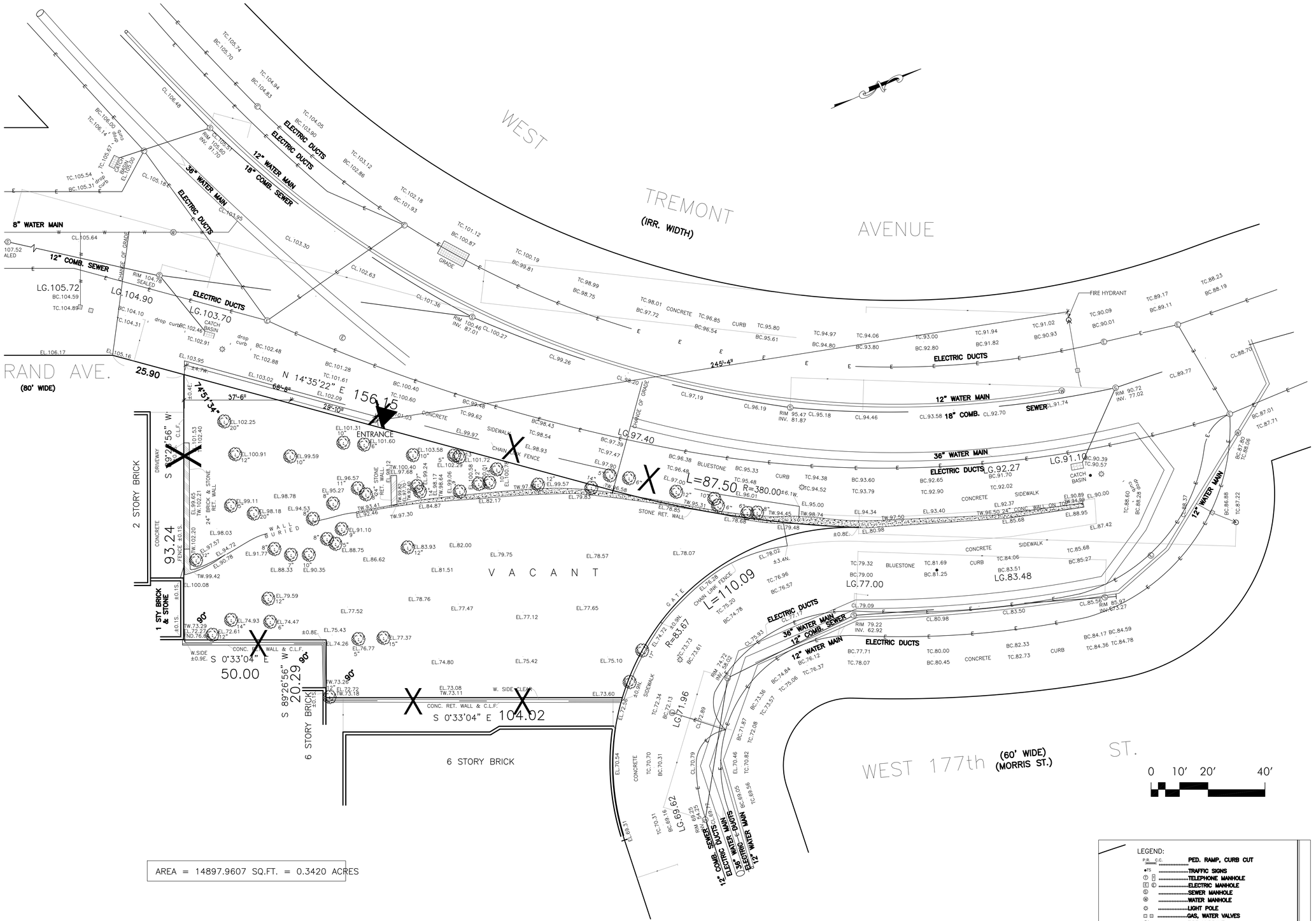
DRAWN BY:
key/am

SCALE:
AS NOTED

DRAWING #:
A-001.00

PAGE #:

220177350



0 10' 20' 40'

LEGEND:

- P.R. C.C. ..... PED. RAMP, CURB CUT
- TS ..... TRAFFIC SIGNS
- T ..... TELEPHONE MANHOLE
- E ..... ELECTRIC MANHOLE
- S ..... SEWER MANHOLE
- W ..... WATER MANHOLE
- ..... LIGHT POLE
- ..... GAS, WATER VALVES
- ..... FIRE HYDRANT
- ..... TREE AND DIAMETER
- L.G. ..... LEGAL GRADE
- T.C. ..... TOP OF CURB
- B.C. ..... BOTTOM OF CURB
- C.L. ..... CENTERLINE OF STREET
- T.W. ..... TOP OF WALL
- B.W. ..... BOTTOM OF WALL

NOTES:
LOT 125 ON TAX MAP OF OF THE CITY OF NEW YORK AS SAID TAX MAP WAS ON DECEMBER 5, 1978
LOT 128 ON TAX MAP OF OF THE CITY OF NEW YORK AS SAID TAX MAP WAS ON SEPTEMBER 20, 1977

DATE	REVISIONS
06/29/2011	UPDATED
04/25/2012	TAX LOT MERGED

THE EXISTENCE OF RIGHT-OF-WAYS AND/OR EASEMENTS OF RECORD, IF ANY, NOT SHOWN HEREON, ARE NOT CERTIFIED.
ENCROACHMENTS OR VAULTS, IF ANY, BELOW SURFACE ARE NOT SHOWN.

UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYORS INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. GUARANTEES OR CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED AND ON HISBEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. GUARANTEES OR CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
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3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
SITE SURVEY

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

SCALE: NTS

DRAWING #: A-002.00

PAGE #: 220177350

GENERAL NOTES:

1. ALL DIMENSIONS AND CONDITIONS DESCRIBED IN THE CONTRACT DOCUMENTS ARE TO BE VERIFIED IN THE FIELD. ARCHITECT IS TO BE ADVISED OF ANY DISCREPANCIES IMMEDIATELY.
2. THE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND THE GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP THROUGHOUT.
3. THE CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DRAWINGS ON THE CONSTRUCTION FLOOR DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES AND WILL REMOVE ALL OUTDATED DRAWINGS FROM THE JOB SITE.
4. THE CONTRACTOR UPON ACCEPTANCE AND APPROVAL OF THE DRAWINGS ASSUMES FULL RESPONSIBILITY FOR THE CONSTRUCTION MATERIALS AND WORKMANSHIP OF THE WORK DESCRIBED IN THESE NOTES AND DRAWINGS AND WILL EXECUTE TO COMPLY WITH THE SPIRIT AS WELL AS THE LETTER IN WHICH THEY WERE WRITTEN.
5. THE DRAWINGS AND NOTES INDICATE AND REFER TO ANY INTERIOR/EXTERIOR ALTERATION AND ARE MEANT TO CONVEY INSTRUCTIONS, WHETHER WRITTEN OR IMPLIED, FOR A COMPLETE SCOPE OF WORK, INCLUSIVE OF THOSE MINOR FIELD CONDITIONS INHERENT IN THE WORK.
6. CONTRACTOR SHALL PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE STATE AND CITY CODES AND REGULATIONS.
7. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY LAW AND PAY FOR SAME PRIOR TO ANY WORK.
8. CONTRACTOR SHALL ARRANGE FOR REQUIRED INSPECTIONS OF SYSTEMS OR OTHER REQUIRED APPROVALS.
9. CONTRACTOR WILL COORDINATE WORK OF ALL TRADES, INCLUDING THOSE THAT MAY BE UNDER SEPARATE CONTRACT, SCHEDULING AND OVERALL CLEANUP.
10. CONTRACTOR IS TO KEEP JOB SITE CLEAN DURING CONSTRUCTION AND REMOVE ALL DEBRIS FROM PREMISES.
11. SUBSTITUTION OF DETAILS, FIXTURES, MATERIALS, EQUIPMENT, ETC., IS TO BE BY ARCHITECT'S WRITTEN APPROVAL ONLY.
12. THE CONTRACTOR SHALL COORDINATE WORK WITH THE MANUFACTURER'S SPECIFICATIONS.
13. METAL STUD WALLS AND POSTS OF METAL PARTITIONS SHALL BE SECURED TO THE STRUCTURAL ELEMENTS AT ALL LOCATIONS.
14. ALL DIMENSIONS FOR PARTITIONS ARE FROM FINISH TO FINISH, UNLESS OTHERWISE INDICATED.
15. WALLS SHOWN ALIGNED WITH BASE BUILDING STRUCTURE SHALL BE CONSTRUCTED FLUSH AND SMOOTH WITH BASE BUILDING STRUCTURE UNLESS OTHERWISE INDICATED.
16. ALL WALLS AND CEILINGS SHALL BE PROPERLY PREPARED, SPACKLED, SANDED, ETC. TO PROVIDE A PERFECTLY SMOOTH AND TRUE FINISH AND SURFACE.
17. ALL EXISTING PLASTER AND CEILINGS THAT REMAIN SHALL IN ALL CASES BE FINISHED TRUE AND TRIM WITH ALL PATCHING AND MATCHING AS MAY BE REQUIRED.
18. CONTRACTOR SHALL SEE THAT ALL SERVICES TO THE BUILDING HAVE BEEN DISCONNECTED PRIOR TO DEMOLITION. CONTRACTOR SHALL PROVIDE PROOF FROM UTILITY COMPANIES OF THESE SHUTOFFS.
19. ALL EQUIPMENT AND MATERIALS SHALL BE MEA/BSA/REFERENCE STANDARD APPROVED.
20. WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE, FIRE DEPARTMENT REGULATIONS, UTILITY COMPANY REQUIREMENTS & BEST TRADE PRACTICES.
21. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FILE ALL REQUIRED CERTIFICATES OF INSURANCE WITH THE DEPARTMENT OF BUILDINGS, PAY ALL FEES REQUIRED BY GOVERNING NEW YORK CITY AGENCIES, OBTAIN ALL REQUIRED PERMITS AND PROVIDE ANY AND ALL BONDS REQUIRED BY ANY CITY AGENCY IN ORDER TO DO WORK HEREIN DESCRIBED.
22. CONTRACTOR SHALL OBTAIN SEPARATE PERMIT AND APPROVAL FROM DEPARTMENT OF HIGHWAYS FOR ALL WORK BEYOND BUILDING LINES AND REQUIRED.
23. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT IMMEDIATELY.
24. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.
25. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES, BUILDING MANAGEMENT, OR BOARD OF DIRECTORS.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.
27. THE CONTRACTOR SHALL LAYOUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES: PLUMBING, ELECTRICAL, MECHANICAL, ETC.
28. PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE OR AND OBTAIN INSPECTIONS AND REQUIRED SIGN-OFFS.
29. THE CONTRACTOR SHALL DO ALL CUTTING, PATCHING, REPAIRING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB.
30. ENGINEER HAS NOT BEEN RETAINED TO SUPERVISE CONSTRUCTION.
31. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NEW CERTIFICATE OF OCCUPANCY, INCLUDING ALL REQUIRED FILINGS, APPLICATIONS, SIGN-OFFS, INSPECTIONS AND APPROVALS.

MULTIPLE DWELLING LAW NOTES:

1. PREMISES TO COMPLY WITH SEC 33 MDL: COOKING SPACES, AS PER 140 MDL.
a. CEILINGS AND WALLS, EXCLUSIVE OF DOORS SHALL BE FIRE RETARDED.
b. ALL COMBUSTIBLE MATERIAL IMMEDIATELY UNDERNEATH OR WITHIN ONE FOOT OF ANY COOKING APPARATUS SHALL BE FIRE RETARDED OR COVERED WITH FIRE RESISTIVE MATERIAL OF REQUIRED RATING.
c. THERE SHALL BE AT LEAST TWO FEET OF CLEAR SPACE ABOVE ANY EXPOSED COOKING SURFACE.
2. PREMISES TO COMPLY WITH SEC 37 MDL: ARTIFICIAL HALL LIGHTING.
a. ENTRY VESTIBULE, STAIRS AND PUBLIC HALLS SHALL BE PROVIDED WITH LIGHTS, EACH OF AT LEAST 60 WATTS, INCANDESCENT OR 20 WATTS FLUORESCENT.
3. PREMISES TO COMPLY WITH SEC 50 MDL: ENTRANCES: DOORS, LOCKS AND INTERCOMMUNICATION SYSTEMS.
a. BUILDING ENTRANCES AND ALL OTHER ENTRANCES SHALL BE EQUIPPED WITH APPROVED TYPE AUTOMATIC, SELF-CLOSING AND SELF-LOCKING UNITS.
b. EVERY CLASS "A" MD CONTAINING EIGHT OR MORE APARTMENTS SHALL BE EQUIPPED WITH AN APPROVED TYPE INTERCOMMUNICATION SYSTEM LOCATED AT AN AUTOMATIC SELF-LOCKING DOOR, GIVING ACCESS TO MAIN ENTRANCE HALL OR LOBBY.
c. ALL APARTMENT ENTRANCE DOORS TO BE APPROVED FIREPROOF SELF-CLOSING, INCL. DOOR ASSEMBLY, MINIMUM 1 HOUR FIRE TEST, AS PER 218 MDL, MINIMUM SIZE, 2'-8"x7'-0".
4. PREMISES TO COMPLY WITH SEC 51 MDL: SHAFTS, ELEVATORS AND DUMBWAITERS.
a. PEEP HOLES TO BE PROVIDED IN THE INTERVIEWERS AT ALL APARTMENT DOORS PER SEC 51 a.
b. MIRRORS SHALL BE PROVIDED IN PASSENGER ELEVATOR PER SEC. 51 b.
5. PREMISES TO COMPLY WITH SEC 64 MDL: LIGHTING, GAS METERS; GAS & OIL APPLIANCES.
a. GAS RANGES TO BE A.G.A OR BS&A APPROVED.
6. PREMISES TO COMPLY WITH SEC 76 MDL: WATER CLOSET AND BATH ACCOMMODATIONS.

6. PREMISES TO COMPLY WITH SEC 76 MDL: WATER CLOSET AND BATH ACCOMMODATIONS.
a. THE FLOOR OF EVERY BATHROOM SHALL BE MADE WATERPROOF WITH MATERIAL APPROVED BY THE DEPARTMENT OF BUILDINGS, AND SUCH WATERPROOFING SHALL EXTEND SIX INCHES OR MORE ABOVE THE FLOOR, EXCEPT AT DOORS.
b. THE WALLS OF EVERY BATHROOM SHALL BE MADE OF WATER RESISTANT GYPSUM BOARD (BSA CAL. 486.39 SM).
7. PREMISES TO COMPLY WITH SEC 77 MDL: PLUMBING AND DRAINAGE.
a. ALL COURTS, ROOFS, YARDS, AND AREAWAYS SHALL BE PROPERLY DRAINED.
8. PREMISES TO COMPLY WITH SEC 104 MDL: BULKHEADS AND SCUTTLES, AS PER SEC 147 MDL.
a. BULKHEAD SHALL PROVIDE UNOBSTRUCTED ACCESS TO THE ROOF AT ALL TIMES.
b. BULKHEAD DOOR SHALL BE FASTENED BY MOVEABLE HOOKS, BOLTS, A KEYLESS LOCK AND APPROVED TYPE PANIC BAR WITH ALARM.
9. PREMISES TO COMPLY WITH SEC 102 & 105 MDL: STAIR AND PUBLIC HALL CONSTRUCTION AS PER SEC 148 AND 149 MDL.
a. EVERY DOOR OPENING ONTO STAIR OR PUBLIC HALL SHALL BE 1-1/2" HOUR FIRE-RATED, SELF-CLOSING.
b. THE MINIMUM CLEAR WIDTH OF STAIR SHALL BE 3'-0".
c. THE MINIMUM CLEAR WIDTH OF STAIR LANDINGS SHALL BE 3'-6".
d. THE MINIMUM CLEAR WIDTH OF PUBLIC HALL SHALL BE 3'-0".
10. THE PREMISES SHALL COMPLY WITH THE FOLLOWING SECTIONS OF THE MULTIPLE DWELLING LAW: ARTICLE 3 SECTION 27: YARDS AND COURTS SECTION, 30: LIGHTING AND VENTILATION OF ROOMS SECTION, 34: ROOMS IN BASEMENTS AND CELLARS SECTION, 36: LIGHTING AND VENTILATION OF STAIRS SECTION, 52: STAIRS SECTION , 57: BELLS, MAIL RECEPTACLES SECTION, 61: BUSINESS USES SECTION, 62: PARAPETS, GUARD RAILINGS SECTION, 75: WATER SUPPLY SECTION, 78: REPAIRS SECTION, 79: HEATING SECTION, 80: CLEANLINESS SECTION, 81: RECEPTACLES FOR WASTE MATTER

BC 907.2 & BC 908.7 SMOKE/CARBON MONOXIDE DETECTOR INSTALLATION:

1. ALL ELECTRICAL WIRING SHALL BE IN CONFORMANCE W/ THE NYC ELECTRICAL CODE.
2. SMOKE/CARBON MONOXIDE DETECTORS SHALL BE INSTALLED OUTSIDE BUT IN THE IMMEDIATE VICINITY OF THE BEDROOMS IN DWELLING UNITS IN OCCUPANCY GROUPS R-2 AND R-3, AND IN BASEMENT RECREATION ROOMS IN O.G. R-3.
3. SMOKE/ CARBON MONOXIDE DETECTOR SHALL HAVE INTEGRAL TEST MEANS TO PERMIT OCCUPANT TO CHECK OPERATION.
4. SMOKE/CARBON MONOXIDE DETECTORS SHALL BE LOCATED WITHIN 15' OF ALL ROOMS USED FOR SLEEPING, IN ALL SLEEPING ROOMS, AND ON ALL LEVELS OF A MULTIPLE LEVEL DWELLING UNIT.
5. CEILING MOUNTED SMOKE/ CARBON MONOXIDE DETECTOR SHALL BE MIN. 4" FROM WALL.
6. WALL MOUNTED SMOKE/ CARBON MONOXIDE DETECTORS SHALL BE MOUNTED A MIN. OF 4" AND A MAX. OF 12" FROM THE CEILING.
7. CARBON MONOXIDE DETECTORS SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH LOCAL LAW 7/2004.
8. CARBON MONOXIDE DETECTORS SHALL BE HARDWIRED WITH SECONDARY BATTERY BACK-UP

HOUSING MAINTENANCE CODE NOTES:

1. WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE, FIRE DEPARTMENT REGULATIONS, UTILITY COMPANY REQUIREMENTS AND THE BEST TRADE PRACTICES.
2. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FILE ALL REQUIRED CERTIFICATES OF INSURANCE WITH THE DEPARTMENT OF BUILDINGS, PAY ALL FEES REQUIRED BY GOVERNING NEW YORK CITY AGENCIES, OBTAIN ALL REQUIRED PERMITS AND PROVIDE ANY AND ALL BONDS REQUIRED BY ANY CITY AGENCY IN ORDER TO DO WORK HEREIN DESCRIBED.
3. CONTRACTOR SHALL OBTAIN SEPARATE PERMIT AND APPROVAL FROM DEPARTMENT OF TRANSPORTATION FOR ALL WORK BEYOND BUILDING LINES AND REQUIRED.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT IMMEDIATELY.
5. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.
6. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES, BUILDING MANAGEMENT, OR BOARD OF DIRECTORS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.
8. THE CONTRACTOR SHALL LAYOUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES: PLUMBING, ELECTRICAL, MECHANICAL, ETC.
9. PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE OR AND OBTAIN INSPECTIONS AND REQUIRED SIGN-OFFS.
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11. ENGINEER HAS NOT BEEN RETAINED TO SUPERVISE CONSTRUCTION.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NEW CERTIFICATE OF OCCUPANCY, INCLUDING ALL REQUIRED FILINGS, APPLICATIONS, SIGN-OFFS, INSPECTIONS AND APPROVALS.
13. BUILDING SHALL COMPLY WITH SECTION D.27-2027 HMC: DRAINAGE OF ROOFS & COURTYARDS.
14. BUILDING SHALL COMPLY W/ SECT. D.27-2028 HMC: CENTRAL HEATING.
15. BUILDING SHALL COMPLY W/ SECT. D.27-2031 HMC: SUPPLY HOT WATER.
16. BUILDING SHALL COMPLY W/ SECT. D.27-2032 HMC: GAS FUELED OR ELECTRIC HEATERS.
17. BUILDING SHALL COMPLY W/ SECT. D.27-2038 HMC: LIGHTING PUBLIC HALLS AND STAIRS.
18. BUILDING SHALL COMPLY W/ SECT. D.27-2040 HMC: LIGHTS NEAR ENTRANCE WAYS AND IN YARDS AND COURTS.
19. BUILDING SHALL COMPLY W/ SECT. D.27-2041 HMC: PEEPHOLES IN ENTRANCE DOORS TO APARTMENTS.
20. BUILDING SHALL COMPLY W/ SECT. D.27-2047 HMC: MAIL SERVICE.
21. BUILDING SHALL COMPLY W/ SECT.D.27-2048 HMC: FLOOR SIGNS.
22. BUILDING SHALL COMPLY W/ SECT. D.27-2049 HMC: STREET NUMBERS ON THE DWELLING.
23. BUILDING SHALL COMPLY W/ SECT. D.27-2051 HMC: MAINTENANCE OF ROOMING UNITS.
24. BUILDING SHALL COMPLY W/ SECT. D.27-2053 HMC: OBLIGATIONS OF OWNER.
25. BUILDING SHALL COMPLY W/ SECTS. D.27-2057 TO D.27-2062 HMC: LIGHTING AND VENTILATION OF ROOMS.
26. BUILDING SHALL COMPLY W/ SECT. D.27-2074 HMC: MINIMUM ROOM SIZES.
27. BUILDING SHALL COMPLY W/ SECT. D.27-2079 HMC: SINGLE ROOM OCCUPANCY.
28. BUILDING SHALL COMPLY W/ SECT. D.27-2097 HMC: REGISTRATION TIME TO FILE.
29. BUILDING SHALL COMPLY W/ SECT. D.27-2105 HMC: IDENTIFICATION OF MANAGING AGENT OR OWNER.
30. PROVIDE NEW WATER METER.

BOILER ROOM NOTES (AS PER SEC. 65 OF MDL.:)

1. WALLS ENCLOSING BOILER TO BE OF FIREPROOF MATERIAL HAVING A 1HR FIRE RATING. NOTE: 4" SOLID CINDER BLOCK IS GENERALLY USED.
2. CEILING OF ENTIRE BOILER ROOM SHALL BE PROPERLY FIRE RETARDED WITH ONE OF THE FOLLOWING: (a) 1/2" PLASTER BOARDS COVERED WITH 26 GA METAL. (b) METAL LATH AND 3/4" CEMENT OR 1" GYPSUM MORTAR. (c) ROCK LATH AND 3/4" GYPSUM MORTAR.
3. FLOOR OF BOILER ROOM SHALL BE OF CONCRETE CONSTRUCTION.
4. FIXED VENTILATION TO OUTER AIR FOR BOILER ROOM REQUIRED MIN. AREA EQUAL TO SMOKE STACK (NORMALLY 64 SF.) NOTE: WHERE DUCT IS REQUIRED TO PROVIDE FIXED VENTILATION; SAME MUST BE ENCASED IN METAL LATH AND CEMENT ON GYPSUM MORTAR.
5. METERS DUMBWAITER SHAFTS, ELEVATOR SHAFTS, INTERIOR STAIRS OR REQUIRED OUTSIDE CELLAR ENTRANCES CANNOT BE LOCATED WITHIN BOILER ROOM.
6. A MINIMUM OF 18" CLEARANCE REQUIRED BETWEEN BOILER AND ENCLOSING WALLS.
7. DOOR TO BOILER ROOM TO BE 1HR TEST FIREPROOF SELF-ENCLOSING AS PER BOARD OF STANDARDS AND APPEALS APPROVAL.
8. ELECTRIC LIGHT TO BE PROVIDED WITHIN BOILER ROOM.
9. OIL BURNER REMOTE CONTROL SWITCH MUST BE LOCATED OUTSIDE BOILER ROOM.
10. NO STORAGE PERMITTED WITHIN BOILER ROOM.

ENERGY NOTES:

1. THE HEATING SYSTEM WHEN INSTALLED AS DESIGNED, WILL BE IN ACCORDANCE WITH ALL APPLICABLE LAWS, ORDINANCE, AND REGULATIONS. THE SYSTEM WAS DESIGNED AS RECOMMENDED BY THE AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ASSOCIATION GUIDES. THE SYSTEM IS BASED ON THE INSIDE TEMPERATURE BEING MAINTAINED AT 72 F, WHEN THE OUTSIDE TEMPERATURE IS ±15° F WITH A 15 MPH WIND.
2. CALCULATIONS FOR HEATING (HEAT LOSS) ARE BASED ON NEW YORK STATE ENERGY CODE MINIMUM INSULATION STANDARDS AS NOTED BELOW: A. ALL EXTERIOR WALLS U = 0.07 B. ROOF U = 0.05 C. FLOORS EXPOSED TO OUTSIDE U = 0.05 D. FLOORS OVER UNHEATED AREA U = 0.08 E. ALL WINDOW (DOUBLE GLAZING) U = 0.69 F. ENTRANCE DOORS U = 0.40 NOTE U-FACTOR = BTU/HOUR SQUARE FOOT DEGREES FAHRENHEIT TEMPERATURE DIFFERENCE.

SEISMIC NOTES:

1. SEISMIC ZONE: NYC IS DEEMED TO BE IN SEISMIC ZONE 2A WITH A FACTOR, OR EFFECTIVE ZERO PERIOD ACCELERATION OF 0.15 IN S1 TYPE ROCK.
2. SITE GEOLOGY AND CHARACTERISTICS: SOILS ARE CLASSIFIED WITH REFERENCE TO THE NYC CLASSIFICATION SYSTEM. A NEW SOIL TYPE, S0, IS INTRODUCED FOR HARD ROCK, WITH A FACTOR OF 0.67.
3. FOUNDATIONS: PILE CAPS AND CAISSONS ARE TO BE CONNECTED, UNLESS THE SOIL CAN PROVIDE EQUIVALENT RESTRAINT. WOOD STUD WALL PLATES AND SILLS ARE TO BE BOLTED TO FOUNDATIONS.
4. ANALYSIS METHOD: EQUIVALENT STATIC LATERAL FORCE PROCEDURE.
5. DUAL SYSTEM: THE MOMENT FRAMES ARE REQUIRED TO CARRY AT LEAST 25 PERCENT OF THE LATERAL LOAD CONSIDERED ON THEIR OWN. THE SYSTEM IS INTENDED TO POSSESS SUFFICIENT DUCTILITY BY VIRTUE OF THE MOMENT FRAMES. THE NYC SEISMIC CODE ADDS THE PROVISION THAT THE WALLS OR BRACED FRAME HAVE SUFFICIENT SHEAR CAPACITY TO CARRY 75 PERCENT OF THE CUMULATIVE STORY SHEAR (NOT OVERTURNING).
6. BUILDING SEPARATION: BUILDING SEPARATION IS LIMITED TO 1 INCH FOR EVERY 50 FEET OF TOTAL BUILDING HEIGHT.
7. MASONRY: THE ACI 530-88 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES HAS BEEN USED O.S.: ALL MASONRY BEARING AND SHEAR WALLS SHALL BE REINFORCED, REGARDLESS OF WHETHER THEY ARE DESIGNED AS REINFORCED OR UNREINFORCED WALLS. MAXIMUM SPACING OF VERTICAL BARS IS 10 FEET. ALL NONBEARING BACK-UP OR INFILL AND NONBEARING PARTITIONS SHALL HAVE MINIMUM ONE-WAY ONLY REINFORCEMENT TO SUPPORTS.
8. CONCRETE: ACI 318-89 IS REFERENCE WITHOUT MODIFICATIONS.
9. STEEL: THE 1988 UBC REQUIREMENTS OF SECTION 2723 ARE REFERENCED WITHOUT MAJOR MODIFICATIONS.
10. TIMBER: THE AITC AND APA PROVISIONS FOR SEISMIC DESIGN OF PLYWOOD OR OTHER DIAPHRAGMS AND SHEAR WALLS ARE REFERENCED.
11. COEFFICIENTS:
a) SEISMIC ZONE 2A
b) NEW YORK CITY, Z = 0.15
c) SITE COEFFICIENT FOR SOIL, S = 1.5
d) LATERAL LOAD - RESISTING SYSTEM REINFORCED MASONRY, Rw = 5
e) IMPORTANCE FACTOR OCCUPANCY CATEGORY IV, I = 1
f.) THE DESIGN, DETAILS AND NOTES INCLUDED HEREIN ARE IN COMPLIANCE WITH LOCAL LAW 17/95

FINISH AND DETAILS:

1. INTERIOR FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH SURFACE FLAME SPREAD RATINGS (PER RS 5 5) AND SHALL BE IN ACCORDANCE WITH TABLE 5-4, C26 504.10.
2. WOOD OR OTHER COMBUSTIBLE MATERIALS SHALL BE USED IN ACCORDANCE WITH THE REQUIREMENTS OF C26 667.0 (1938 CODE).
3. ALL BATHROOM FLOORS TO BE MADE WATERPROOF WITH MATERIAL APPROVED BY THE DEPARTMENT OF BUILDINGS. WATERPROOF MATERIAL IS TO EXTEND A MINIMUM OF 6" ABOVE THE FLOOR AT THE BASE OF THE WALL.
4. SMOKE DETECTORS SHALL BE DIRECTLY WIRED TO THE CIRCUITRY OF THE DWELLING UNIT WITH NO INTERVENING SWITCH AND SHALL BE APPROVED BY THE BOARD OF STANDARDS AND APPEALS.

INTERIOR NOTES (OLD BUILDING CODE):

1. ALL INTERIOR WOOD TO BE USED ONLY AS PERMITTED ON SECTION C22 666.0 AND C26 667.0 OF THE NEW YORK CITY BUILDING CODE.
2. STAIR SIGNS AS PER SECTION C26 608.0 (NEW CODE).
3. ALL INTERIOR ROOMS TO BE MECHANICALLY VENTILATED IN ACCORDANCE W/ VENTILATION AND AIR CONDITIONING RULES EFFECTIVE JUNE 1, 1959.
4. ALL ACOUSTICAL OR RATED PARTITIONS TO EXTEND TO FLOOR ABOVE.
5. OWNER IS COGNIZANT OF RETROACTIVE REQUIREMENTS OF LOCAL LAW 5/73.
6. ALL PENETRATIONS OF RATED CONSTRUCTION SHALL COMPLY WITH SECTION C26 684.0 OF BUILDING CODE.
7. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH ARTICLE 15 OF THE NEW YORK CITY BUILDING CODE.

PHYSICALLY DISABLED FACILITIES NOTES:

NOTE: ALL BATHROOM FIXTURES TO COMPLY WITH LL58/87

TOILETS

1. TOILET ROOM HAS DOOR THAT LOCKS AND IS TO BE USED BY NO MORE THAN ONE PERSON AT A TIME.
2. ALL PLUMBING WORKS IS TO COMPLY WITH THE NEW YORK CITY BUILDING CODE.

WATER CLOSETS

1. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5LBF. ALL BATHROOM FIXTURES TO COMPLY WITH LL29/89 FOR LOW FLUSH FIXTURES.
2. CONTROLS FOR FLUSH VALVE SHALL BE MOUNTED FOR USE FROM WIDE SIDE OF THE TOILET STALL AND SHALL BE NO MORE THAN 44 INCHES ABOVE THE FLOOR.

LAVATORY

1. HOT WATER AND DRAIN PIPES UNDER LAVATORY SHALL BE INSULATED OR OTHERWISE PROTECTED IF THEY ABUT THE CLEARANCE AREA INDICATED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACE UNDER THE LAVATORY.
2. FAUCETS SHALL COMPLY WITH CONTROLS AS SPECIFIED FOR WATER CLOSETS ABOVE. CONVENTIONAL ONE-QUARTER TURN LEVER OPERATED, PUSH TYPE, AND AUTOMATICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE DESIGNS. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCETS REMAIN OPEN FOR AT LEAST 10 SECONDS.

SMOKE DETECTORS

1. SMOKE ALARMS TO BE EQUIPPED FOR AUDIBLE AND VISUAL SIGNALS AS PER ANSI A117.1 SEC. 4.26.

DOOR CLEARANCE

1. MANEUVERING CLEARANCES AT DOORS TO COMPLY WITH ANSI A117.1 SEC. 4.13.6.

CLOSETS

1. SHELF HEIGHTS AND HANG ROD HEIGHTS TO BE AS PER ANSI A117.1 SEC. 4.23.

SPECIAL INSPECTIONS AND PROGRESS INSPECTIONS:

1. AS PER TITLE 28_NYC BUILDING CODE (EFFECTIVE JULY 2008) SPECIAL INSPECTIONS AND PROGRESS INSPECTIONS SHALL BE PERFORMED FOR ALL ITEMS DESIGNATED BY THE DESIGN APPLICANT. TR-1 FORMS SHALL BE FILED WITH THE NEW YORK CITY DEPARTMENT OF BUILDINGS BY THE SPECIAL/PROGRESS INSPECTION APPLICANTS DESIGNATED BY THE CONTRACTOR PRIOR TO PERMIT AND PRIOR TO SIGN-OFF.
2. **PRIOR TO APPROVAL:** THE P.E. OR R.A. RESPONSIBLE FOR THE PLANS SHALL IDENTIFY THE REQUIRED SPECIAL/PROGRESS INSPECTIONS AND/OR TESTS PRIOR TO APPROVAL. (DESIGN APPLICANT)
3. **PRIOR TO PERMIT FILING:** THE SPECIAL/PROGRESS INSPECTION APPLICANT SHALL IDENTIFY, DATE AND DESIGNATE RESPONSIBILITY FOR PERFORMING THE REQUIRED SPECIAL/PROGRESS INSPECTIONS AT PERMIT.
4. **PRIOR TO SIGN-OFF:** WHEN ALL OR A PORTION OF THE REQUIRED SPECIAL/PROGRESS INSPECTIONS HAVE BEEN SATISFIED THE SPECIAL/PROGRESS INSPECTION APPLICANT SHALL DATE AND CERTIFY COMPLETION OF THE SPECIFIED ITEMS.
5. A LICENSED CONCRETE TESTING LABORATORY SHALL BE RETAINED TO PERFORM CONCRETE TESTS. THE LICENSED CONCRETE TESTING LAB SHALL IDENTIFY DATE AND DESIGNATE RESPONSIBILITY FOR CONCRETE TEST CYLINDERS AND CONCRETE DESIGN MIX; THIS NEED NOT BE PERFORMED BY A SPECIAL INSPECTION AGENCY. TAKE FOUR (4) CYLINDERS OF EACH 50 CUBIC YARD OF CONCRETE OF EACH CLASS PLACED ON ANY ONE DAY, TESTING ONE (1) AT 7 DAYS AND THREE (3) AT 28 DAYS. ALSO TAKE TESTS OF SLUMP, TEMPERATURE, AIR CONTENT AND UNIT WEIGHT.
6. FORMS SHALL BE FILED BY THE MANUFACTURER AND SUPPLIER, RESPECTIVELY, OF STRUCTURAL MASONRY UNIT AND SHALL INDICATE STRENGTHS OF MASONRY UNITS SUPPLIED

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH BUT NOT LIMITED TO RETAINING ENGINEERING SERVICES, INSPECTION & TESTING COSTS, AND ALL FILING FEES FOR THE FOLLOWING SPECIAL INSPECTIONS AND PROGRESS INSPECTIONS:

SPECIAL AND PROGRESS INSPECTIONS	
CONCRETE: CAST-IN-PLACE	BC 1704.4
CONCRETE: PRECAST	BC 1704.4
CONCRETE TEST CYLINDERS	BC 1905.6
CONCRETE DESIGN MIX	BC 1905.3
MASONRY	BC 1704.5
SOILS: SITE PREPARATION	BC 1704.7.1
SOILS: SITE INVESTIGATION (BORINGS/TEST PITS)	BC 1704.7.4
MECHANICAL SYSTEMS	BC 1704.15
STRUCTURAL SAFETY: STRUCTURAL STABILITY	BC 1704.19
HEATING SYSTEMS	BC 1704.23
FIRESTOP, DRAFTSTOP, AND FIREBLOCK SYSTEMS	BC 1704.25
FOOTING AND FOUNDATION	BC 109.3.1
ENERGY CODE COMPLIANCE INSPECTIONS	BC 109.3.5

SEPARATE APPLICATIONS

THE FOLLOWING ARE TO BE FILED UNDER SEPARATE APPLICATIONS:

	APPLICATION:	FILE WITH:	DOB # / FILED BY:
1.	CONSTRUCTION EQUIPMENT	D.O.T. PRIOR TO PERMIT	CONTRACTOR
2.	ELEVATOR	(D.O.B.)	CONTRACTOR
3.	BPP-PARK: TREE PLANTING	(PARKS)	CONTRACTOR
4.	BPP-SIDEWALK/CURB/ROAD WORK	(D.O.T.)	220226654
5.	SPRINKLER & STANDPIPE	(D.O.B.)	220226645
6.	SPRINKLER ALARM	(D.O.B. & FIRE DEPT.)	220226663

ENERGY CODE PROGRESS INSPECTIONS	Table Reference in 1RCNY 5000-01(h) (1) and (2)
PROTECTION OF FOUNDATION INSULATION	IIA1
INSULATION PLACEMENT AND R VALUES	IIA2
FENESTRATION THERMAL VALUES AND RATINGS	IIA3
FENESTRATION RATINGS FOR AIR LEAKAGE	IIA4
FENESTRATION AREAS	IIA5
AIR SEALING AND INSULATION - VISUAL	IIA6
VESTIBULES	IIA9
HVAC AND SERVICE WATER HEATING EQUIPMENT	IIB3
HVAC AND SERVICE WATER HEATING SYSTEM CONTROLS	IIB4
DUCT LEAKAGE TESTING	IIB6
ELECTRICAL METERING	IIC1
INTERIOR LIGHTING POWER	IIC3
LIGHTING CONTROLS	IIC5
EXIT SIGNS	IIC6
ELECTRICAL MOTORS	IIC8
MAINTENANCE INFORMATION	IID1
PERMANENT CERTIFICATE	IID2

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:

ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

NOTES

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

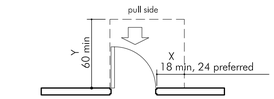
SCALE: NONE

DRAWING #: A-003.00

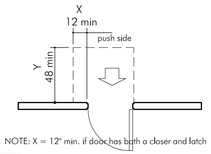
PAGE #:

220177350

DOOR CLEARANCES

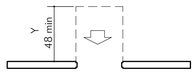


A FRONT APPROACH SWINGING DOOR



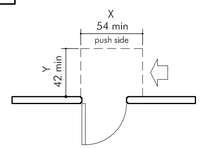
NOTE: X = 12" min. if door has both a closer and latch

B FRONT APPROACH SWINGING DOOR



Front Approach - Sliding or Folding Doors

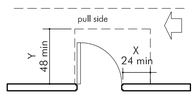
C SLIDING/FOLDING DOOR APPROACH



NOTE: Y = 48" min. if door has both a closer and latch

Side Approach - Swinging Door

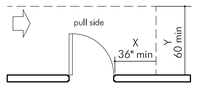
D SIDE APPROACH



NOTE: Y = 54" min. if door has closer

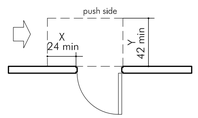
Latch Side Approach Swinging Door

E LATCH SIDE APPR. SWINGING DOOR



NOTE: X = 36" min. if Y = 60" X = 42" min. if Y = 54"

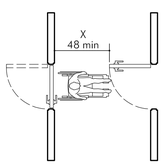
F HINGE SIDE APPROACH



NOTE: Y = 48" min. if door has closer

Latch Side Approach Swinging Door

G LATCH SIDE APPR. SWINGING DOOR



H TWO HINGED DOORS IN SERIES

ABBREVIATIONS

A.C.	AIR CONDITIONER
A.D.	AREA DRAIN
A.F.F.	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
APP'D.	APPROVED
A.S.	ALUMINUM SADDLE
B.C.	BOTTOM OF CURB
B.O.	BOTTOM OF
BD.	BOARD
BLDG.	BUILDING
BLK.	BLOCK
BM.	BEAM
BOT.	BOTTOM
B.P.	BEARING PLATE
BSA.	BOARD OF STANDARDS & APPEALS
B.S.B.	BETWEEN STOP BEADS
BSMT.	BASEMENT
B.U.	BUILT UP
C.L.	CENTER LINE
CAB.	CABINET
CEM.	CEMENT
CL.	CLOSET
CLG.	CEILING
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
CORR.	CORRIDOR
CT	CERAMIC TILE OR COOK TOP
CU.FT.	CUBIC FEET
D.A.	DROPPED ARCH
DEPT.	DEPARTMENT
DET.	DETAIL
D.H.	DOUBLE HUNG
DIA.	DIAMETER
DIM.	DIMENSION
DN.	DOWN
DR.	DOOR
DWG.	DRAWING
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRIC
EQUIP.	EQUIPMENT
EXH.	EXHAUST
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
F.A.I.	FRESH AIR INTAKE
F.C.	FIRE CODE
FF.	FLOOR DRAIN
FIN.	FINISHED FLOOR
FL.	FLOOR
F.P.	FIREPROOF
F.P.S.C.	FIREPROOF SELF-CLOSING
FT.	FOOT
GA.	GAUGE
G.I.	GALVANIZED IRON
GL.	GLASS
GOV'T.	GOVERNMENT
H.B.	HOSE BIBB
H.C.	HOLLOW CORE
HGT.	HEIGHT
H.M.	HOLLOW METAL
H.M.C.	HOUSING MAINTENANCE CODE
HR.	HOUR
NSUL.	INSULATION
INT.	INTERIOR
JAN.CL.	JANITOR CLOSET
JT.	JOINT
KIT.	KITCHEN
K'TTE	KITCHENETTE
LAV.	LAVATORY
LDR.	LEADER
LGT.	LIGHT
LIN.	LINEN CLOSET
L.P.	LIGHT POLE
LR/D	LIVING ROOM/DINING
L.W.	LIGHTWEIGHT
MACH.	MACHINE
MAS.	MASONRY
MAX.	MAXIMUM
M.C.	MEDICINE CABINET
MECH.	MECHANICAL
MIN.	MINIMUM
M.O.	MASONRY OPENING
M.S.	MARBLE SADDLE
M.D.L.	MULTIPLE DWELLING LAW
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPNG.	OPENING
OPP.	OPPOSITE HAND
PART.	PARTITION
PL.	PLASTER
PLYWD.	PLYWOOD
R.	RANGE
RI.	RISER
R.D.	ROOF DRAIN
REIN.	REINFORCE
REF.	REFRIGERATOR
REQ.	REQUIRED
REV.	REVISION
R.U.	REMOVABLE UNIT
S.	SINK
SAB.	SOUND ATTENUATION BLANKETS
SECT.	SECTION
SF.	SQUARE FEET
SIM.	SIMILAR
S.S.	SERVICE SINK
STD.	STANDARD
STL.	STEEL
STR.	STAIR
SUSP.	SUSPENDED
T.	TOILET
T.C.	TOP OF CURB
T.O.	TOP OF
T.L.	TRAFFIC LIGHT
TYP.	TYPICAL
U.L.	UNDERWRITER'S LAB
V.C.T.	VINYL COMPOSITION TILE
VEST.	VESTIBULE
W.	WIDE FLANGE
W/	WITH
W.C.	WATER CLOSET
WD.	WOOD
W.G.	WINDOW GUARD
W.GL.	WIRE GLASS
W.H.	WATER HEATER
W.M.	WASHING MACHINE
W.P.	WATERPROOF
W.R.	WATER RESISTANT
W.W.M.	WELDED WIRE MESH
Y.D.	YARD DRAIN

SYMBOLS

- DETAIL DESIGNATION
- SECTION DESIGNATION
- DOOR DESIGNATION
- WINDOW DESIGNATION
- WALL DESIGNATION
- EXHAUST DUCT
- EXHAUST FAN
- DIRECTION OF EXHAUST
- SPOT ELEVATIONS (ELEV)
- AREA DRAIN (AD)
- FLOOR DRAIN (FD)
- ROOF DRAIN (RD)
- APARTMENT DESIGNATION (RM# / AREA)
- ROOM DESIGNATION (ROOM, SF, Material)
- SMOKE DETECTOR/CARBON MONOXIDE HARD WIRED W/ NO SWITCH OTHER THAN OVER CURRENT DEVICE (S/C)
- EXIT SIGN AND LIGHT
- FIXED SECURITY BARS
- MIN 5% OF ENTIRE BUILDING = DISABLED BODY DWELLING UNITS, SEE BATH & KITCHEN DETAILS

LEGEND

PARTITION SCHEDULE

BRICK

1 CONCRETE WALL

2 8" CONCRETE BLOCK WALL
(TWO HOUR FIRE RATED)

3 PARTITION WITHIN APTS., NON-RATED - 2 1/2" 20 GA. METAL STUDS @ 16" O.C. WITH 5/8" (1) LAYER OF FIRECODE GYPSUM BOARD ON BOTH SIDES. (USE 3 5/8" STUD AT ELECTRIC PANEL) — 3 / A-400

4 PARTITION BETWEEN APTS., 1 HR. RATED - 2 1/2" 20 GA. METAL STUDS @ 16" O.C. WITH (1) LAYER 5/8" GYPSUM BOARD ON ONE SIDE AND (2) LAYERS 5/8" GYPSUM BOARD ON THE OTHER. FIRESTOP TO UNDERSIDE OF SUBFLOOR ABOVE. PROVIDE 2 1/2" S.A.B.'S BETWEEN STUDS.
BSA# 453-73SM (ONE HOUR FIRE RATED) — 4 / A-400

5 PARTITION BETWEEN APT. AND PUBLIC HALL, NON-BEARING, 2 HR. RATED - 2-1/2" 20 GA. METAL STUDS @ 16" O.C. WITH (2) LAYERS OF 5/8" FIRECODE GYPSUM BOARD ON EACH SIDE. FIRESTOP TO UNDERSIDE OF SUBFLOOR ABOVE. PROVIDE 2¾" S.A.B.'S. IN BETWEEN STUDS. PROVIDE ACOUSTIC SEALANT @ TOP AND BOTTOM.
BSA# 301-60-SM (TWO HOUR FIRE RATED) — 5 / A-400

6 BATH / KITCHEN — CHASE WALL ASSEMBLY - 1 5/8" METAL STUDS IN TWO ROWS @ 16" O.C. WITH 5/8" TILE BACKER BOARD (& 1/4" CERAMIC TILE) EACH SIDE. PROVIDE 5/8" MOISTURE RESISTANT F.C. GYP.BD. IN AREAS WITHOUT CERAMIC TILES. PROVIDE 1 1/2" S.A.B.'S IN BOTH STUD CAVITIES. PROVIDE LATERAL BRACING @ MID-POINT. — 6 / A-400

7 BATH / KITCHEN — CHASE WALL ASSEMBLY BETWEEN APTS.- 1 5/8" METAL STUDS IN TWO ROWS @ 16" O.C. WITH 5/8" TILE BACKER BOARD (& 1/4" CERAMIC TILE) ONE SIDE AND (2) LAYERS OF 5/8" GYP.BD. ON THE OTHER SIDE. PROVIDE 5/8" MOISTURE RESISTANT F.C. GYP.BD. IN AREAS WITHOUT CERAMIC TILES. PROVIDE 1 1/2" S.A.B.'S IN BOTH STUD CAVITIES. PROVIDE LATERAL BRACING @ MID-POINT. FIRESTOP TO UNDERSIDE OF SUBFLOOR ABOVE.
UL 458 BSA# 553-85-SM (ONE HOUR FIRE RATED) — 7 / A-400

9 SHAFT WALL - METAL FRAMING WITH (2) LAYERS OF 5/8" FIRECODE GYPSUM BOARD AND 1" GYPSUM CORE BOARD TO BE SECURED TO 25 GA. 1-½" C-H METAL STUD. NO SCREWS SHOULD PENETRATE DUCTWORK. FIRESTOP TO UNDERSIDE OF SUBFLOOR ABOVE.
BSA# 542-88-SM (TWO HOUR FIRE RATED) — 9 / A-400

10 INTERIOR 8" CONCRETE BLOCK MASONRY WALL WITH 1-5/8" 20 G.A. METAL STUDS @ 16" O.C. WITH (1) LAYER 5/8" FIRECODE GYPSUM BOARD ON EACH SIDE (USE 3 5/8" STUD AT KITCHENS)
MEA# 1-74-M (TWO HOUR FIRE RATED) — 10 / A-400

11 EXTERIOR 8" CMU WALL GROUT SOLID - 2½" METAL STUDS @ 16" O.C. WITH (1) LAYER OF 5/8" FIRECODE GYPSUM BOARD, WATER RESISTANT GYPSUM BOARD TO BE USED AT WINDOW JAMBS, SILL AND HEADS, WITH R-15 FOIL FACE INSULATION BETWEEN STUDS @ INTERIOR AND 4" BRICK FACE.
MEA# 1-74-M (TWO HOUR FIRE RATED) — 11 / A-400

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
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MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
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NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

ADA CLEARANCES, ABBREV, SYMBOLS & PARTITIONS

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203 LAFAYETTE STREET 5TH FL
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DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

SCALE: NONE

DRAWING #: A-004.00

PAGE #: 220177350

B-1

(EL. 99.43') GROUND SURFACE

FEET	NO	SB	CLASSIFICATION
1	1	2	BRN./ DK. BRN. SAND, SILT, GRAVEL, ROCK FRAG., BRICK, ROOTS, MISC. (FILL)(7)
		3	
		10	
2	2	2	BRICK, CONC., FABRIC, WOOD, DK. BRN. SAND, SILT, ROCK FRAG., MISC. (FILL)(7)
		3	
5	3	7	
		9	
		7	
		11	
			BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(3b)
10			
	4	100/0"	5' CORE RUN ***(GNEISS) (72%)(1b)***
	R1	CORE	
15			
	END OF BORING 15' - 0"		

TOP OF ROCK (89.43')

B-2

(EL. 98.38') GROUND SURFACE

FEET	NO	SB	CLASSIFICATION
1	1	1	DK. BRN. SAND, SILT, GRAVEL, ROCK FRAG., BRICK, CONC., ROOTS, MISC. (FILL)(7)
		2	
		4	
2		3	
		1	
5	3	P	
		4	
		7	
		23	
		20	ROCK FRAG. W/ BRN. SAND, LITTLE SILT (SP)(FILL?)
10			
	4	6	BRN. SILTY SAND, TR. ROCK FRAG. (SM)(3b)
		7	
		10	
		8	
15			
	5	100/1"	DECOMPOSED ROCK (1d)
	20 R1	CORE	5' CORE RUN ***Bx CORE BARREL (GNEISS) (63%)(1b)***
	END OF BORING 22' - 0"		

TOP OF ROCK (81.38')

B-3

(EL. 78.62') GROUND SURFACE

FEET	NO	SB	CLASSIFICATION
1	1	1	DK. BRN./ DK. GRAY BRN. SAND, SILT, GRAVEL, ROCK FRAG., BRICK, GLASS, CONC., ROOTS, MISC. (FILL)(7)
		2	
		4	
2		3	
		1	
5	3	P	
		4	
		7	
		23	
		20	
10			
	4	6	BRN. SILTY FINE SAND (SM)(3a)
		7	
		10	
		8	
15			
			ROCK FRAG (GNEISS) (1d)
	5	100/1"	
	R1	CORE	5' CORE RUN ***Bx CORE BARREL (GNEISS) (83%)(1b)***
20			
	END OF BORING 20' - 1"		

TOP OF ROCK (63.54')

B-4

(EL. 78.27') GROUND SURFACE

FEET	NO	SB	CLASSIFICATION
1	1	3	BRN./ GRAY BRN./ GRAY SILTY SAND, TR. GRAVEL, BRICK, CINDER, THIN FINE ROOTS, MISC. (SM)(FILL)(7)
		7	
		10	
		12	
2		9	WOOD, DK. GRAY BRN. SAND, SILT, GLASS, CLAY, GRVL., MISC. (FILL)(7)
		8	
		6	
		18	
5	3	3	BRN./ LT. BRN. SILTY FINE SAND, TR. THIN FINE ROOTS (SM)(6)
		3	
		3	
4		3	BRN./LT. BRN. SILTY FINE SAND (SM)(6)
		3	
		5	
10	5	3	BRN. FINE SAND, LITTLE SILT (SP)(3b)
		4	
		4	
6		5	
		6	
15			
	7	17	BRN. SILTY SAND W/ DECOMPOSED ROCK (SM)(3a)
		27	
		36	
		60	
20	8	31	DECOMPOSED ROCK (1d)
		73	
		100	
	9	100/4"	
25			
	R1	CORE	5' CORE RUN ***Bx CORE BARREL (GNEISS) (70%)(1a)***
	END OF BORING 28' - 0"		

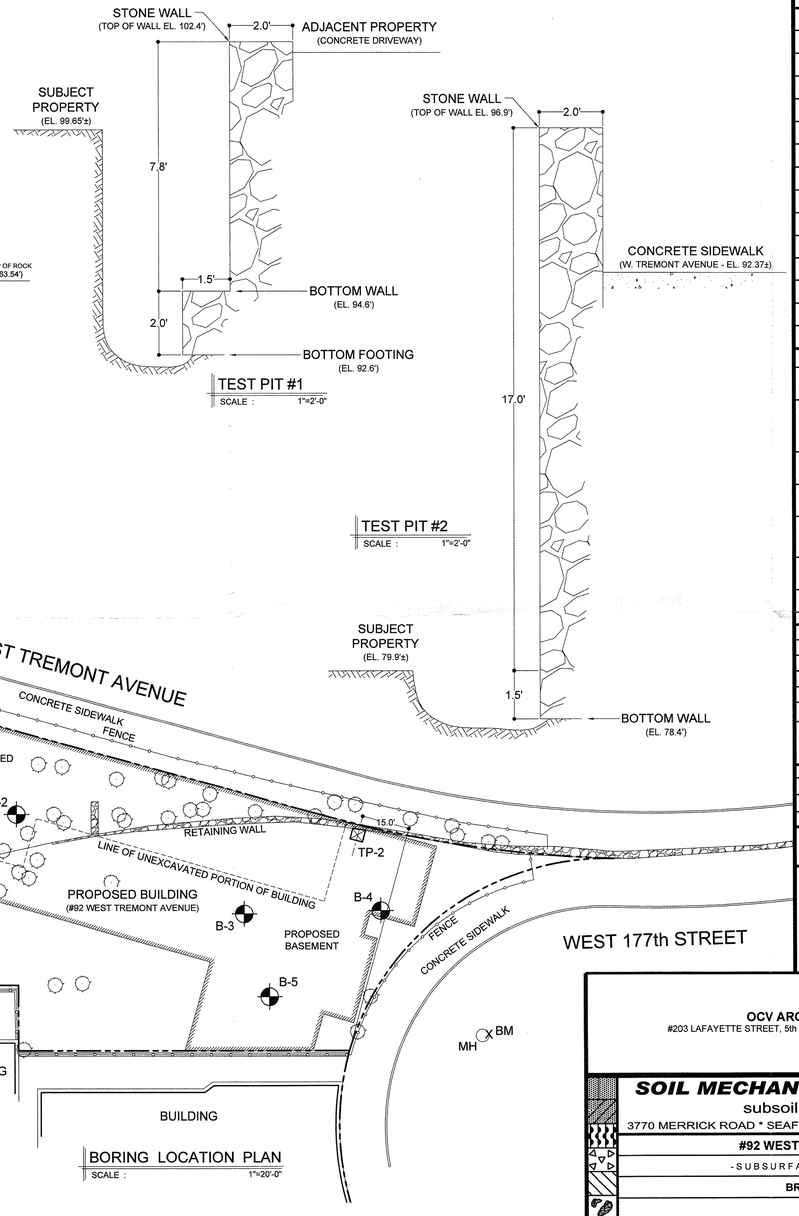
B-5

(EL. 75.39') GROUND SURFACE

FEET	NO	SB	CLASSIFICATION
1	1	6	DK. BRN./ BRN. SAND, SILT, GRAVEL, ROCK FRAG., ROOTS, BRICK, CONC., MISC. (FILL)(7)
		4	
		32	
2		12	DK. BRN./ BRN. SILTY F-M SAND, TR. GRAVEL (SM)(FILL)(7)
		9	
		7	
5	3	3	BRN. FINE SAND, LITTLE SILT, TR. THIN FINE ROOTS (SP)(3b)
		2	
		3	
4		5	BRN. FINE SAND, TR. TO LITTLE SILT (SP)(3b)
		4	
		4	
10	5	1	BRN. FINE SAND, TR. TO LITTLE SILT (SP)(6)
		2	
		4	
6		7	BRN. SILTY F-M SAND, TR. GRAVEL (SM)(3b)
		9	
		11	
		13	
15			
		7	BRN. SILTY SAND, TR. GRAVEL, ROCK FRAG. (SM)(3a)
	7	18	
		52	
		100/5"	
20			DECOMPOSED ROCK (1d)
	8	100/5"	
		- -	
25	R1	CORE	5' CORE RUN ***Bx CORE BARREL (GNEISS) (86%)(1a)***
	END OF BORING 27' - 6"		

WET WATER 16'-11"

TOP OF ROCK (52.89')



NOTES:

1. - SOIL DESCRIPTIONS ARE BY VISUAL EXAMINATION OF SOIL SAMPLES RECOVERED DURING DRILLING OPERATIONS.
2. - SOIL DESCRIPTIONS ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.
3. - GROUND WATER WAS MEASURED INSIDE THE DRILL CASING AT THE COMPLETION OF EACH BOREHOLE.
4. - SOIL STRATIFICATIONS ARE ACCURATE TO WITHIN TWO FEET VERTICALLY.
5. - ELEVATIONS WERE REFERENCED TO B.M. - AT RIM OF MANHOLE COVER IN ROADWAY. ACTUAL ELEVATION GIVEN 74.72'.
6. - SOIL SAMPLES WERE OBTAINED USING A CENTRAL MINE EQUIPMENT (CME) AUTOMATIC TRIP HAMMER.
7. - BORINGS DRILLED ARE IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE REQUIREMENTS.

UNIFIED SOIL CLASSIFICATION

SOIL GROUPS	TYPICAL NAMES AND SOIL SYMBOLS
GW	WELL GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES
GP	POORLY GRADED GRAVELS OR GRAVEL SAND MIXTURES. LITTLE OR NO FINES
GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURE
GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURE
SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES
SM	SILTY SANDS, SAND - SILT MIXTURES
SC	CLAYEY SANDS, SAND - CLAY MIXTURES
ML	INORGANIC SILTS, VERY FINE SANDS, CLAYEY SILTS, SLIGHT PLASTICITY
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS SANDY CLAYS, SILTY CLAYS
OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS

ALLOWABLE SOIL BEARING PRESSURES, N.Y.C. BLDG. CODE TABLE 1804.1

CLASS OF MATERIALS (Notes 1 & 3)	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (TSF)	MAXIMUM ALLOWABLE FOUNDATION PRESSURE (kPa)
1. BEDROCK (NOTES 2 & 7)		
1a HARD SOUND ROCK - GNEISS, DIARASE, SCHIST	60	5,746
1b MEDIUM HARD ROCK - MARBLE, SERPENTINE	40	3,830
1c INTERMEDIATE ROCK - SHALE, SANDSTONE	20	1,915
1d SOFT ROCK - WEATHERED ROCK	8	766
2. SANDY GRAVEL & GRAVEL (GW, GP) (NOTES 3, 4, 8, & 9)		
2a DENSE	10	958
2b MEDIUM	6	575
3. GRANULAR SOILS (GC, GM, SW, SP, SM, & SC)(NOTES 4, 5, 8, & 9)		
3a DENSE	6	575
3b MEDIUM	3	287
4. CLAYS (SC, CL, & CH)(NOTES 4, 6, 8, & 9)		
4a HARD	5	479
4b STIFF	3	287
4c MEDIUM	2	192
5. SILTS & SILTY SOILS (ML & MH)(NOTES 4, 8, & 9)		
5a DENSE	3	287
5b MEDIUM	1.5	144
6. ORGANIC SILTS, ORGANIC CLAYS, PEATS, SOFT CLAYS, LOOSE GRANULAR SOILS, & VARVED SILTS	SEE 1804.2.1	SEE 1804.2.1
7. CONTROLLED & UNCONTROLLED FILLS	SEE 1804.2.2 OR 1804.2.3	SEE 1304.2.2 OR 1804.2.3

COMPACTION RELATED TO SPOON BLOWS PER FOOT

SAND		SILT & CLAY	
LOOSE	15 OR LESS	SOFT	10 OR LESS
MEDIUM	16 TO 39	MEDIUM	11 TO 29
DENSE	40 OR MORE	HARD	30 OR MORE

" N " STANDARD PENETRATION TEST (2" SPOON, 140lb HAMMER, 30" FALL)

N=17 BLOWS PER FOOT

SPOON BLOW COUNT IS GENERALLY SHOWN IN 6" INCREMENTS FOR 2' DRIVE

TO OBTAIN BLOWS PER FOOT (N) USE THE 2ND & 3RD 6" INCREMENT

	ROTARY CASING	EXTRA HEAVY CASING	SAMPLE SPOON
SIZES, INCHES	2.5		2.0
HAMMER WEIGHT, POUNDS			140
HAMMER FALL, INCHES			30

CB - CASING BLOWSPER 1 FOOT DRIVE
SB - SPOON BLOWS PER 6 INCH DRIVE
P - PUSHED BY WEIGHT OF HAMMER
WOR - WEIGHT OF ROD
UD - UNDISTURBED SOIL SAMPLE
NO - SAMPLE NUMBER
FEET - DEPTH FROM GND. SUR. NOTED AT EACH 5'
WOH - WEIGHT OF HAMMER (INCLUDES ROD)

THE LIABILITY OF SOIL MECHANICS DRILLING CORP., ITS OFFICERS OR EMPLOYEES, FOR ERRORS, OMISSIONS OR NEGLIGENCE RESULTING IN PERSONAL INJURIES, PROPERTY DAMAGE OR ANY CONSEQUENTIAL DAMAGES, IS LIMITED TO THE AMOUNT OF THE FEE PAID FOR THIS REPORT. THE RETENTION OR USE OF ANY PART OF THIS REPORT WILL CONSTITUTE AN ACCEPTANCE OF THIS LIMITED LIABILITY. IF THIS IS UNACCEPTABLE, THE CLIENT MUST NOTIFY SOIL MECHANICS DRILLING CORP. IN WRITING BY CERTIFIED MAIL, WITHIN SEVEN DAYS FROM THE DATE OF RECEIPT. THE FEE CHARGED FOR THIS REPORT IS BASED ON THIS LIMITATION OF LIABILITY WHICH IS THE ESSENCE OF THIS AGREEMENT.IF THE CLIENT WANTS A HIGHER LIMITATION OF LIABILITY, SOIL MECHANICS DRILLING CORP., WILL NEGOTIATE ONE, BASED UPON A HIGHER FEE BEING CHARGED FOR THE ADDITIONAL ASSUMPTION OF LIABILITY. SOIL MECHANICS DRILLING CORP., ITS OFFICERS OR EMPLOYEES, HAVE NO LIABILITY OR RESPONSIBILITY TO PERSONS OTHER THAN THE CLIENT FOR WHOM THIS REPORT WAS PREPARED. ANYONE, OTHER THAN OUR CLIENT, RELIES ON THIS REPORT AT THEIR OWN RISK.

OCV ARCHITECTS, P.C.
#203 LAFAYETTE STREET, 5th FLOOR, NEW YORK, NEW YORK 10012

SOIL MECHANICS DRILLING CORP.
subsoil investigations
3770 MERRICK ROAD * SEAFORD, NEW YORK 11783 * 516 - 221-2333

#92 WEST TREMONT AVENUE
-SUBSURFACE INVESTIGATION-
BRONX, NEW YORK

VERTICAL BORING SCALE: 1/4"=1'-0"
DATES OF BORING: JULY 5th, 12th, 15th, & 19th, 2011
DRAWING DATE: JULY 25, 2011
DWN. BY: JMR CKD. BY: CV
DRAWING NUMBER: 11R407-5
SHEET 1 OF 1.

PROJECT
#92 WEST TREMONT AVENUE, BRONX, NEW YORK
BORING PLAN (GROUND SURFACE)

CARL VERNICO LICENSED PROFESSIONAL ENGINEER 46373 STATE OF NEW YORK

DATE: JULY 25, 2011
PROJECT No: 11R407-5
DRAWING BY: JMR
CHK. BY: CV
DWG No:
B-001.00
1 OF 1

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
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NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
SOIL ANALYSIS

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DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: key/am
SCALE: NTS

DRAWING #:
B-005.00

PAGE #:
220177350

COMcheck Software Version 3.9.1
Envelope Compliance Certificate

2010 New York Energy Conservation Construction Code

Section 1: Project Information

Project Type: **New Construction**
Project Title : Promesa West Tremont Residence

Construction Site:
92 West Tremont Avenue
Bronx, NY 10458

Owner/Agent:
Thomas Brown
ACACIA

Designer/Contractor:
John Coogan
OCV Architects
203 Lafayette St
New York, NY 10012
212-675-6470

Section 2: General Information

Building Location (for weather data):	**Bronx, New York**
Climate Zone:	**4a**
Building Type for Envelope Requirements:	**Residential**
Vertical Glazing / Wall Area Pct.:	**18%**

Activity Type(s)	Floor Area
Total Floor Area (Multifamily)	62711

Section 3: Requirements Checklist

Envelope PASSES: Designed 5% better than code.

Climate-Specific Requirements:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Roof 1: Insulation Entirely Above Deck	8058	---	30.0	0.032	0.048
Roof 2: Other Roof (b)	558	---	---	0.026	0.027
Exterior Wall 1: Concrete Block:8", Solid Grouted,Normal Density , Furring: Metal	24191	15.0	19.5	0.037	0.090
Window 1: Metal Frame:Double Pane with Low-E, Clear, SHGC 0.40	4907	---	---	0.480	0.550
Door 1: Insulated Metal, Swinging	105	---	---	0.140	0.700
Door 2: Glass (> 50% glazing):Metal Frame, Entrance Door, SHGC 0.29	290	---	---	0.580	0.850
Basement Wall 1: Solid Concrete:12" Thickness, Normal Density, Furring: None, Wall Ht 10.2, Depth B.G. 0.0	4656	---	11.5	0.076	0.108
Floor 1: Slab-On-Grade:Unheated, Horizontal with vertical 2 ft.	472	---	10.0	---	---

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.

(b) 'Other' components require supporting documentation for proposed U-factors.

Air Leakage, Component Certification, and Vapor Retarder Requirements:

- ☐ 1. All joints and penetrations are caulked, gasketed or covered with a moisture vapor-permeable wrapping material installed in accordance with the manufacturer's installation instructions.
- ☐ 2. Windows, doors, and skylights certified as meeting leakage requirements.
- ☐ 3. Component R-values & U-factors labeled as certified.
- ☐ 4. No roof insulation is installed on a suspended ceiling with removable ceiling panels.

- ☐ 5. 'Other' components have supporting documentation for proposed U-Factors.
- ☐ 6. Insulation installed according to manufacturer's instructions, in substantial contact with the surface being insulated, and in a manner that achieves the rated R-value without compressing the insulation.
- ☐ 7. Stair, elevator shaft vents, and other outdoor air intake and exhaust openings in the building envelope are equipped with motorized dampers.
- ☐ 8. Cargo doors and loading dock doors are weather sealed.
- ☐ 9. Recessed lighting fixtures installed in the building envelope are Type IC rated as meeting ASTM E283, are sealed with gasket or caulk.
- ☐ 10. Building entrance doors have a vestibule equipped with self-closing devices.

Exceptions:

- ☐ Building entrances with revolving doors.
- ☐ Doors not intended to be used as a building entrance.
- ☐ Doors that open directly from a space less than 3000 sq. ft. in area.
- ☐ Doors used primarily to facilitate vehicular movement or materials handling and adjacent personnel doors.
- ☐ Doors opening directly from a sleeping/dwelling unit.

Section 4: Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2010 New York Energy Conservation Construction Code requirements in COMcheck Version 3.9.1 and to comply with the mandatory requirements in the Requirements Checklist.

When a Registered Design Professional has stamped and signed this page, they are attesting that to the best of his/her knowledge, belief, and professional judgment, such plans or specifications are in compliance with this Code.

John		
Name - Title	Signature	Date

COMcheck Software Version 3.9.1
Exterior Lighting Compliance Certificate

2010 New York Energy Conservation Construction Code

Section 1: Project Information

Project Type: **New Construction**
Project Title : Promesa West Tremont Residence
Exterior Lighting Zone: **2 (Residentially zoned area)**

Construction Site:
92 West Tremont Avenue
Bronx, NY 10458

Owner/Agent:
Thomas Brown
ACACIA

Designer/Contractor:
John Coogan
OCV Architects
203 Lafayette St
New York, NY 10012
212-675-6470

Section 2: Exterior Lighting Area/Surface Power Calculation

A Exterior Area/Surface	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B x C)	F Proposed Watts
Side Yard (Illuminated area of facade wall or surface)	312 ft2	0.1	No	31	126
Front door (Main entry)	6 ft of door width	20	Yes	120	78
Main door @ cellar (Other door (not main entry))	3 ft of door width	20	Yes	60	26
Boiler Rm. (Other door (not main entry))	6 ft of door width	20	Yes	120	64
Recreation Rm. (Other door (not main entry))	6 ft of door width	20	Yes	120	32
Recreation Rm. (Other door (not main entry))	6 ft of door width	20	Yes	120	32
Recreation Rm. (Other door (not main entry))	6 ft of door width	20	Yes	120	32
Fire Stair B - Side Yard (Other door (not main entry))	3 ft of door width	20	Yes	60	32
Green Roof (Special feature area)	604 ft2	0.14	Yes	85	64
Fire Stair A - Roof (Other door (not main entry))	3 ft of door width	20	Yes	60	32
Fire Stair B - Roof (Other door (not main entry))	3 ft of door width	20	Yes	60	32
Green Roof (Other door (not main entry))	3 ft of door width	20	Yes	60	154
Stair-Terrace 1 (Stairway)	51 ft2	1	Yes	51	40
Stair-Terrace 2 (Stairway)	19 ft2	1	Yes	19	30
Ramp (Walkway < 10 feet wide)	65 ft of walkway length	0.7	Yes	48	50
Terrace 3 & 4 (Special feature area)	411 ft2	0.14	Yes	58	96
Side yard (Special feature area)	865 ft2	0.14	Yes	121	300
			Total Tradable Watts* =	1279	1094
			Total Allowed Watts =	1310	
			Total Allowed Supplemental Watts** =	600	

* Wattage tradeoffs are only allowed between tradable areas/surfaces.
** A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Section 3: Exterior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Side Yard (Illuminated area of facade wall or surface 312 ft2): Non-tradable Wattage				
LED: 'N': Other	1	9	14	126
Front door (Main entry 6 ft of door width): Tradable Wattage				
Compact Fluorescent 11: 'J': Spiral 26W / Electronic	1	3	26	78

COMcheck Software Version 3.9.1
Interior Lighting Compliance Certificate

2010 New York Energy Conservation Construction Code

Section 1: Project Information

Project Type: **New Construction**
Project Title : Promesa West Tremont Residence

Construction Site:
92 West Tremont Avenue
Bronx, NY 10458

Owner/Agent:
Thomas Brown
ACACIA

Designer/Contractor:
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OCV Architects
203 Lafayette St
New York, NY 10012
212-675-6470

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
Total Floor Area (Multifamily)	62711	0.7	43898
		Total Allowed Watts =	43898

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Total Floor Area (Multifamily 62711 sq.ft.)				
Linear Fluorescent 1: 'A': Boiler R./Refuse Rm./Jan. Cl / / 48" T8 32W (Super T8) / Electronic	2	51	54	3904
Linear Fluorescent 2: 'B': Laundry Rm. / 48" T8 32W / Electronic	2	3	64	192
Linear Fluorescent 3: 'C': public halls / 48" T5 28W / Electronic	1	139	28	3892
LED: 'CC': Public Hall / Other	1	7	13	91
Linear Fluorescent 4: 'D': Stairs / 24" T8 17W / Electronic	2	34	34	1156
LED: 'F': Lobby/Vest./Elev. Lobby / Other / Electronic	1	33	59	1947
Linear Fluorescent 5: 'G': Office/Rec Rm./Lounge/ / 22" T5 14W / Electronic	2	12	28	336
Linear Fluorescent 6: 'K': Mail / Other / Electronic	1	2	42	84
LED: 'M': Lobby / Other / Electronic	1	1	60	60
			Total Proposed Watts =	11682

Section 4: Requirements Checklist

Lighting Wattage:

- ☐ 1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
43898	11682	YES

Controls, Switching, and Wiring:

- ☐ 2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.
- ☐ 3. Daylight zones have individual lighting controls independent from that of the general area lighting.

Main door @ cellar (Other door (not main entry) 3 ft of door width): Tradable Wattage				
Compact Fluorescent 12: Spiral 26W / Electronic	1	1	26	26
Boiler Rm. (Other door (not main entry) 6 ft of door width): Tradable Wattage				
Compact Fluorescent 1: 'H': Wall mount / Quad 2-pin 26W / Electronic	2	2	32	64
Recreation Rm. (Other door (not main entry) 6 ft of door width): Tradable Wattage				
Compact Fluorescent 2: 'H': Quad 2-pin 26W / Electronic	2	1	32	32
Recreation Rm. (Other door (not main entry) 6 ft of door width): Tradable Wattage				
Compact Fluorescent 3: 'H': Quad 2-pin 26W / Electronic	2	1	32	32
Recreation Rm. (Other door (not main entry) 6 ft of door width): Tradable Wattage				
Compact Fluorescent 4: 'H': Quad 2-pin 26W / Electronic	2	1	32	32
Fire Stair B - Side Yard (Other door (not main entry) 3 ft of door width): Tradable Wattage				
Compact Fluorescent 5: 'H': Quad 2-pin 26W / Electronic	2	1	32	32
Green Roof (Special feature area 604 ft2): Tradable Wattage				
Compact Fluorescent 6: 'H': Quad 2-pin 26W / Electronic	2	2	32	64
Fire Stair A - Roof (Other door (not main entry) 3 ft of door width): Tradable Wattage				
Compact Fluorescent 7: 'O': Quad 2-pin 26W / Electronic	1	1	32	32
Fire Stair B - Roof (Other door (not main entry) 3 ft of door width): Tradable Wattage				
Compact Fluorescent 8: 'O': Quad 2-pin 26W / Electronic	1	1	32	32
Green Roof (Other door (not main entry) 3 ft of door width): Tradable Wattage				
Compact Fluorescent 9: 'H': Quad 2-pin 26W / Electronic	1	2	32	64
LED: 'I': Other / Electronic	1	9	10	90
Stair-Terrace 1 (Stairway 51 ft2): Tradable Wattage				
LED: 'I': Other / Electronic	1	4	10	40
Stair-Terrace 2 (Stairway 19 ft2): Tradable Wattage				
LED: 'I': Other / Electronic	1	3	10	30
Ramp (Walkway < 10 feet wide 65 ft of walkway length): Tradable Wattage				
LED: 'I': Other / Electronic	1	5	10	50
Terrace 3 & 4 (Special feature area 411 ft2): Tradable Wattage				
Compact Fluorescent 10: 'H': Quad 2-pin 26W / Electronic	2	3	32	96
Side yard (Special feature area 865 ft2): Tradable Wattage				
Incandescent 2: 'L': Incandescent 75W	1	4	75	300
			Total Tradable Proposed Watts =	1094

Section 4: Requirements Checklist

Lighting Wattage:

- ☐ 1. Within each non-tradable area/surface, total proposed watts must be less than or equal to total allowed watts. Across all tradable areas/faces, total proposed watts must be less than or equal to total allowed watts.
  Compliance: Passes using supplemental allowance watts.

Controls, Switching, and Wiring:

- ☐ 2. All exemption claims are associated with fixtures that have a control device independent of the control of the nonexempt lighting.
- ☐ 3. Lighting not designated for dusk-to-dawn operation is controlled by either a a photosensor (with time switch), or an astronomical time switch.
- ☐ 4. Lighting designated for dusk-to-dawn operation is controlled by an astronomical time switch or photosensor.
- ☐ 5. All time switches are capable of retaining programming and the time setting during loss of power for a period of at least 10 hours.

Exterior Lighting Efficacy:

- ☐ 6. All exterior building grounds luminaires that operate at greater than 100W have minimum efficacy of 60 lumen/watt.

Exceptions:

- ☐ Lighting that has been claimed as exempt and is identified as such in Section 3 table above.
- ☐ Lighting that is specifically designated as required by a health or life safety statue, ordinance, or regulation.
- ☐ Emergency lighting that is automatically off during normal building operation.
- ☐ Lighting that is controlled by motion sensor.

Exterior Lighting PASSES: Designed 39% better than code.

Section 5: Compliance Statement

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
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NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
ENERGY COMPLIANCE

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05/18/2012

JOB #:
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SCALE:

DRAWING #:
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PAGE #:
220177350

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2010 New York Energy Conservation Construction Code requirements in COMcheck Version 3.9.1 and to comply with the mandatory requirements in the Requirements Checklist.

John
Name - Title

Signature

Date

COMcheck Software Version 3.9.1

Mechanical Compliance Certificate

2010 New York Energy Conservation Construction Code

Section 1: Project Information

Project Type: **New Construction**
Project Title : Promesa West Tremont Residence

Construction Site:
92 West Tremont Avenue
Bronx, NY 10458

Owner/Agent:
Thomas Brown
ACACIA

Designer/Contractor:
John Coogan
OCV Architects
203 Lafayette St
New York, NY 10012
212-675-6470

Section 2: General Information

Building Location (for weather data): **Bronx, New York**
Climate Zone: **4a**

Section 3: Mechanical Systems List

Quantity	System Type & Description
1	HVAC System 1 (Single Zone) : Split System Heat Pump Heating Mode: Capacity = 124 kBtu/h, Efficiency = 3.30 COP Cooling Mode: Capacity = 169 kBtu/h, Efficiency = 11.10 EER, No Economizer , Economizer exception: Humidity Requirements
2	Plant 1: Heating: Hot Water Boiler, Capacity 1250 kBtu/h, Gas, Efficiency: 85.10 % Et, with Waterloop Heat Pump

Section 4: Requirements Checklist

Requirements Specific To: HVAC System 1 :

- ☐ 1. Equipment minimum efficiency: Heat Pump: 3.20 COP 10.60 EER
- ☐ 2. Integrated economizer is required for this location and system.
  Exception(s):
  - ☐ Airlevap condenser and extensive outside-air filtration
  - ☐ Airlevap condenser serving space with open-case refrigeration

Requirements Specific To: Plant 1 :

- ☐ 1. Equipment minimum efficiency: Boiler Thermal Efficiency 75% Et 80% Ec
- ☐ 2. Loop temperature controlled with 20 degrees F deadband where neither cooling tower/fluid cooler nor boiler can operate
- ☐ 3. Two-position valve on each heat pump having total heat pump system power >10hp
- ☐ 4. Newly purchased heating equipment meets the efficiency requirements
  - used equipment must meet 80% Et @ maximum capacity
- ☐ 5. Systems with multiple boilers have automatic controls capable of sequencing boiler operation
- ☐ 6. Hydronic heating systems comprised of a single boiler and >500 kBtu/h input design capacity include either a multistaged or modulating burner

Generic Requirements: Must be met by all systems to which the requirement is applicable:

- ☐ 1. Plant equipment and system capacity no greater than needed to meet loads
  Exception(s):
  - ☐ Standby equipment automatically off when primary system is operating

COMcheck Software Version 3.9.1

Mechanical Requirements Description

2010 New York Energy Conservation Construction Code

The following list provides more detailed descriptions of the requirements in Section 4 of the Mechanical Compliance Certificate.

Requirements Specific To: HVAC System 1 :

1. The specified heating and/or cooling equipment is covered by the ASHRAE 90.1 Code and must meet the following minimum efficiency: Heat Pump: 3.20 COP 10.60 EER
2. An integrated economizer is required for individual cooling systems over 54 kBtu/h in the selected project location. An integrated economizer allows simultaneous operation of outdoor-air and mechanical cooling.
   Exception(s):
   - An economizer is not required due to unusual outside air filtration requirements. Section 403.3 of the IMC sets minimum outside air ventilation requirements and requirements for filtration or purification if the outside air does not meet minimum air-quality requirements. Economizers are not required for systems having air- or evaporatively cooled condensers (i.e., those that cannot use water economizers) when the outside air pollutants can be classified as "unusual."
   - An economizer is not required for systems having air or evaporatively cooled condensers that serve spaces with open-case refrigeration.

Requirements Specific To: Plant 1 :

1. The specified heating and/or cooling equipment is covered by the ASHRAE 90.1 Code and must meet the following minimum efficiency: Boiler Thermal Efficiency 75% Et 80% Ec
2. Loop temperature controlled with 20 degrees F deadband where neither cooling tower/fluid cooler nor boiler can operate.
3. Two-position valves must be provided on each heat pump where the total heat pump system power is greater than 10 hp.
4. The specified heating equipment is covered by Federal minimum efficiency requirements. New equipment of this type can be assumed to meet or exceed ASHRAE 90.1 Code requirements for equipment efficiency. Used equipment must meet 80% Et @ maximum capacity.
5. Systems with multiple boilers have automatic controls capable of sequencing the operation of the boilers.
6. Hydronic heating systems comprised of a single boiler and >500 kBtu/h input design capacity include either a multistaged or modulating burner.

Generic Requirements: Must be met by all systems to which the requirement is applicable:

1. All equipment and systems must be sized to be no greater than needed to meet calculated loads. A single piece of equipment providing both heating and cooling must satisfy this provision for one function with the capacity for the other function as small as possible, within available equipment options.
   Exception(s):
   - The equipment and/or system capacity may be greater than calculated loads for standby purposes. Standby equipment must be automatically controlled to be off when the primary equipment and/or system is operating.
   - Multiple units of the same equipment type whose combined capacities exceed the calculated load are allowed if they are provided with controls to sequence operation of the units as the load increases or decreases.
2. Each heating or cooling system serving a single zone must have its own temperature control device.
3. Each humidification system must have its own humidity control device.
4. Design heating and cooling loads for the building must be determined using procedures in the ASHRAE Handbook of Fundamentals or an approved equivalent calculation procedure.
5. The system or zone control must be a programmable thermostat or other automatic control meeting the following criteria:
   a) capable of setting back temperature to 55°F during heating and setting up to 85°F during cooling,
   b) capable of automatically setting back or shutting down systems during unoccupied hours using 7 different day schedules,
   c) have an accessible 2-hour occupant override,
   d) have a battery back-up capable of maintaining programmed settings for at least 10 hours without power.
   Exception(s):
   - A setback or shutoff control is not required on thermostats that control systems serving areas that operate continuously.
   - A setback or shutoff control is not required on systems with total energy demand of 2 kW (6,826 Btu/h) or less.
6. The system must supply outside ventilation air as required by Chapter 4 of the International Mechanical Code. If the ventilation system is designed to supply outdoor-air quantities exceeding minimum required levels, the system must be capable of reducing outdoor-air flow to the minimum required levels.
7. Air ducts must be insulated to the following levels:

- ☐ Multiple units controlled to sequence operation as a function of load
- ☐ 2. Minimum one temperature control device per system
- ☐ 3. Minimum one humidity control device per installed humidification/dehumidification system
- ☐ 4. Load calculations per ASHRAE/ACCA Standard 183.
- ☐ 5. Automatic Controls: Setback to 55°F (heat) and 85°F (cool); 7-day clock, 2-hour occupant override, 10-hour backup
  Exception(s):
  - ☐ Continuously operating zones
  - ☐ 2 kW demand or less, submit calculations
- ☐ 6. Outside-air source for ventilation; system capable of reducing OSA to required minimum
- ☐ 7. R-5 supply and return air duct insulation in unconditioned spaces
  R-8 supply and return air duct insulation outside the building
  R-8 insulation between ducts and the building exterior when ducts are part of a building assembly
  Exception(s):
  - ☐ Ducts located within equipment
  - ☐ Ducts with interior and exterior temperature difference not exceeding 15°F.
- ☐ 8. Mechanical fasteners and sealants used to connect ducts and air distribution equipment
- ☐ 9. Ducts sealed - longitudinal seams on rigid ducts; transverse seams on all ducts; UL 181A or 181B tapes and mastics
  Exception(s):
  - ☐ Continuously welded and locking-type longitudinal joints and seams on ducts operating at static pressures less than 2 inches w.g. pressure classification
- ☐ 10. Hot water pipe insulation: 1.5 in. for pipes <=1.5 in. and 2 in. for pipes >1.5 in.
  Chilled water/refrigerant/brine pipe insulation: 1.5 in. for pipes <=1.5 in. and 1.5 in. for pipes >1.5 in.
  Steam pipe insulation: 1.5 in. for pipes <=1.5 in. and 3 in. for pipes >1.5 in.
  Exception(s):
  - ☐ Piping within HVAC equipment.
  - ☐ Fluid temperatures between 55 and 105°F.
  - ☐ Fluid not heated or cooled with renewable energy.
  - ☐ Piping within room fan-coil (with AHRI440 rating) and unit ventilators (with AHRI840 rating).
  - ☐ Runouts <4 ft in length.
- ☐ 11. Operation and maintenance manual provided to building owner
- ☐ 12. Hot water distribution systems >= 300 kBtu/h must have one of the following:
  a) controls that reset supply water temperature by 25% of supply/return delta T
  b) mechanical or electrical adjustable-speed pump drive(s)
  c) two-way valves at all heating coils
  d) multiple-stage pumps
  e) other system controls that reduce pump flow by at least 50% based on load - calculations required
  Exception(s):
  - ☐ Where the supply temperature reset controls cannot be implemented without causing improper operation of heating, cooling, humidification, or dehumidification systems.
  - ☐ Hydronic systems that use variable flow to reduce pumping energy.
- ☐ 13. Balancing devices provided in accordance with IMC (2006) 603.17
- ☐ 14. Demand control ventilation (DCV) present for high design occupancy areas (>40 person/1000 ft2 in spaces >500 ft2) and served by systems with any one of 1) an air-side economizer, 2) automatic modulating control of the outdoor air damper, or 3) a design outdoor airflow greater than 3000 cfm.
  Exception(s):
  - ☐ Systems with heat recovery.
  - ☐ Multiple-zone systems without DDC of individual zones communicating with a central control panel.
  - ☐ Systems with a design outdoor airflow less than 1200 cfm.
  - ☐ Spaces where the supply airflow rate minus any makeup or outgoing transfer air requirement is less than 1200 cfm.
- ☐ 15. Motorized, automatic shutoff dampers required on exhaust and outdoor air supply openings
  Exception(s):
  - ☐ Gravity dampers acceptable in buildings <3 stories
  - ☐ Gravity dampers acceptable in systems with outside or exhaust air flow rates less than 300 cfm where dampers are interlocked with fan
- ☐ 16. Automatic controls for freeze protection systems present
- ☐ 17. Exhaust air heat recovery included for systems 5,000 cfm or greater with more than 70% outside air fraction or specifically exempted
  Exception(s):
  - ☐ Hazardous exhaust systems, commercial kitchen and clothes dryer exhaust systems that the International Mechanical Code prohibits the use of energy recovery systems.

a) Supply and return air ducts for conditioned air located in unconditioned spaces (spaces neither heated nor cooled) must be insulated with a minimum of R-5. Unconditioned spaces include attics, crawl spaces, unheated basements, and unheated garages.
b) Supply and return air ducts or plenums must be insulated to a minimum of R-8 when located outside the building.
c) When ducts are located within exterior components (e.g., floors or roofs), minimum R-8 insulation is required only between the duct and the building exterior.
Exception(s):

- Duct insulation is not required on ducts located within equipment.
- Duct insulation is not required when the design temperature difference between the interior and exterior of the duct or plenum does not exceed 15°F.

8. Mechanical fasteners and seals, mastics, or gaskets must be used when connecting ducts to fans and other air distribution equipment, including multiple-zone terminal units.
9. All joints, longitudinal and transverse seams, and connections in ductwork must be securely sealed using weldments; mechanical fasteners with seals, gaskets, or mastics; mesh and mastic sealing systems; or tapes. Tapes and mastics must be listed and labeled in accordance with UL 181A and shall be marked "181A-P" for pressure sensitive tape, "181A-M" for mastic or "181A-H" for heat-sensitive tape. Tapes and mastics used to seal flexible air ducts and flexible air connectors shall comply with UL 181B and shall be marked "181B-FX" for pressure-sensitive tape or "181B-M" for mastic. Unlisted duct tape is not permitted as a sealant on any metal ducts.
Exception(s):

- Continuously welded and locking-type longitudinal joints and seams on ducts operating at static pressures less than 2 inches w.g. pressure classification.

10. All pipes serving space-conditioning systems must be insulated as follows:
Hot water piping for heating systems:
1 1/2 in. for pipes <=1 1/2-in. nominal diameter,
2 in. for pipes >1 1/2-in. nominal diameter.
Chilled water, refrigerant, and brine piping systems:
1 1/2 in. insulation for pipes <=1 1/2-in. nominal diameter,
1 1/2 in. insulation for pipes >1 1/2-in. nominal diameter.
Steam piping:
1 1/2 in. insulation for pipes <=1 1/2-in. nominal diameter,
3 in. insulation for pipes >1 1/2-in. nominal diameter.
Exception(s):

- Pipe insulation is not required for factory-installed piping within HVAC equipment.
- Pipe insulation is not required for piping that conveys fluids having a design operating temperature range between 55°F and 105°F.
- Pipe insulation is not required for piping that conveys fluids that have not been heated or cooled through the use of fossil fuels or electric power.
- Piping within room fan-coil (with AHRI440 rating) and unit ventilators (with AHRI840 rating).
- Pipe insulation is not required for runout piping not exceeding 4 ft in length and 1 in. in diameter between the control valve and HVAC coil.

11. Operation and maintenance documentation must be provided to the owner that includes at least the following information:
a) equipment capacity (input and output) and required maintenance actions
b) equipment operation and maintenance manuals
c) HVAC system control maintenance and calibration information, including wiring diagrams, schematics, and control sequence descriptions; desired or field-determined set points must be permanently recorded on control drawings, at control devices, or, for digital control systems, in programming comments
d) complete narrative of how each system is intended to operate.
12. Hot water space-heating systems with a capacity exceeding 300 kBtu/h supplying heated water to comfort conditioning systems must include controls that automatically reset supply water temperatures by representative building loads (including return water temperature) or by outside air temperature.
Exception(s):

- Where the supply temperature reset controls cannot be implemented without causing improper operation of heating, cooling, humidification, or dehumidification systems.
- Hydronic systems that use variable flow to reduce pumping energy.

13. Balancing devices provided in accordance with IMC (2006) 603.17.
14. Demand control ventilation (DCV) required for high design occupancy areas (>40 person/1000 ft2 in spaces >500 ft2) and served by systems with any one of 1) an air-side economizer, 2) automatic modulating control of the outdoor air damper, or 3) a design outdoor airflow greater than 3000 cfm.
Exception(s):

- Systems with heat recovery.
- Multiple-zone systems without DDC of individual zones communicating with a central control panel.
- Systems with a design outdoor airflow less than 1200 cfm.
- Spaces where the supply airflow rate minus any makeup or outgoing transfer air requirement is less than 1200 cfm.

- ☐ Systems serving spaces that are heated and not cooled to less than 60°F.
- ☐ Where more than 60 percent of the outdoor heating energy is provided from site-recovered or site solar energy.
- ☐ Heating systems in climates with less than 3500 HDD.
- ☐ Cooling systems in climates with a 1 percent cooling design wet-bulb temperature less than 64°F.
- ☐ Systems requiring dehumidification that employ energy recovery in series with the cooling coil.
- ☐ Laboratory fume hood exhaust systems that have either a variable air volume system capable of reducing exhaust and makeup air volume to 50 percent or less of design values or, a separate make up air supply meeting the following makeup air requirements: a) at least 75 percent of exhaust flow rate, b) heated to no more than 2°F below room setpoint temperature, c) cooled to no lower than 3°F above room setpoint temperature, d) no humidification added, e) no simultaneous heating and cooling.

Section 5: Compliance Statement

Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2010 New York Energy Conservation Construction Code requirements in COMcheck Version 3.9.1 and to comply with the mandatory requirements in the Requirements Checklist.

John
Name - Title

Signature

Date

Section 6: Post Construction Compliance Statement

- ☐ HVAC record drawings of the actual installation, system capacities, calibration information, and performance data for each equipment provided to the owner.
- ☐ HVAC O&M documents for all mechanical equipment and system provided to the owner by the mechanical contractor.
- ☐ Written HVAC balancing and operations report provided to the owner.

The above post construction requirements have been completed.

Principal Mechanical Designer-Name

Signature

Date

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
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1	DOB APPROVAL	09/06/2012
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DRAWING TITLE:
ENERGY COMPLIANCE

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JOB #: 09J06

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SCALE:

DRAWING #: EC-007

PAGE #: 220177350

NOTE: ALL CURB, SIDEWALK AND ROADWAY PAVEMENT, PEDESTRIAN RAMPS, 5'X5' CONCRETE FLAGS, ETC. TO COMPLY WITH D.O.T. REGULATIONS.

LEGEND:

- NEW ASPHALTIC CONC.
- CURB CUT
- LIGHT POLE
- FIRE HYDRANT
- WATER MANHOLE
- EXISTING TREE
- NEW TREE

LIST OF ESTIMATE QUANTITIES

New Curb	330'-3"	Lin. ft.
New Sidewalk (4" slab)	5,130	Sq. ft.
New Driveway (7" slab)	none	Sq. ft.
New Roadway	364	Sq. yds.
New Trees	11	Each
New CBs	none	Each
New Dip	none	Lin. ft.
New Manholes	none	Each

GENERAL REQUIREMENTS

1. ALL DESIGN, MATERIALS, CONSTRUCTION METHODS AND WORKMANSHIP SHALL COMPLY WITH THE FOLLOWING PUBLICATIONS OF THE BUREAU OF HIGHWAYS: STANDARD SPECIFICATIONS. STANDARD DETAILS OF CONSTRUCTION; RULES OF THE BUREAU OF HIGHWAY OPERATIONS; GUIDELINES FOR THE DESIGN OF INFRASTRUCTURE COMPONENTS.
2. ALL NON STANDARD MATERIALS AND CONSTRUCTION PROCEDURES SHALL BE SPECIFICALLY APPROVED IN WRITING BY THE DOB.
3. ANY WORK NOT COMPLYING WITH THE REQUIREMENTS OF THE DOT SHALL BE REMOVED AND REPLACED.
4. THIS PLAN SHALL BE VALID FOR THE ISSUANCE OF CONSTRUCTION PERMITS FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL OR SELF-CERTIFICATION, AS APPLICABLE.
5. ALL SIDEWALK AND STREET AREAS CONSTRUCTED UNDER THIS PLAN SHALL REMAIN OPEN TO THE PUBLIC AT ALL TIMES.

ISSUANCE OF PERMITS

6. NO SIDEWALK, CURB OR ROADWAY WORK SHALL BE DONE WITHOUT A PERMIT FROM THE BOROUGH HIGHWAY SUPERINTENDENT. APPLICATION SHALL BE MADE THREE DAYS BEFORE STARTING CONSTRUCTION. THE CONTRACTOR SHALL HAVE ALL REQUIRED INSURANCE COVERAGE ON FILE.
7. NO WORK ON DRAINAGE STRUCTURES SHALL BE DONE WITHOUT A PERMIT FROM THE BOROUGH OFFICE OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
8. ANY VAULT WORK AT THE SITE SHALL BE DONE AS PER THE APPLICABLE RULES OF THE DOT AND THE DEPT. OF BUILDINGS.

CONSTRUCTION ACTIVITY

9. A CONSTRUCTION PLAN SHOWING MAINTENANCE AND PROTECTION OF TRAFFIC, INCLUDING PLACEMENT OF SIDEWALK BRIDGES, BARRIERS AND SIGNAGE, SHALL BE SUBMITTED TO THE BOROUGH HIGHWAY OFFICE BEFORE CONSTRUCTION BEGINS.
10. NO SIDEWALK SHALL BE CLOSED WITHOUT A PERMIT. PEDESTRIAN AND TRAFFIC SAFETY SHALL BE PROTECTED AT ALL TIMES. ROADWAY CLOSINGS SHALL BE AS DIRECTED.
11. THE SITE SHALL BE MAINTAINED IN A CLEAN AND SAFE CONDITION.

FINAL SIGN OFF

12. PERMITS SHALL BE PRESENTED FROM ALL PUBLIC AGENCIES AND UTILITIES HAVING OWNERSHIP OF STRUCTURES RELOCATED OR REMOVED DURING CONSTRUCTION.
13. ALL PAVEMENT MARKINGS INCLUDING THERMOPLASTIC LANE DIVIDERS, REMOVED DURING CONSTRUCTION SHALL BE REPLACED IN KIND TO THE BUREAU OF TRAFFIC STDS.
14. ALL EXISTING CATCH BASINS ON SITE SHALL BE CLEANED AND MADE OPERABLE.
15. ALL DAMAGE CAUSED BY CONSTRUCTION ON THIS PROJECT OUTSIDE THE PROJECT LIMITS SHALL BE REPAIRED AS DIRECTED.
16. THE ROADWAY SHALL BE PAVED TO THE REQUIREMENTS OF THE DOB AND AS DIRECTED.

PLAN NOTES:

1. ALL SURVEY DATA OBTAINED FROM A SURVEY DONE BY JOSEPH NICOLETTI P.L.S. DATED FEB 10, 2009.
2. ALL ELEVATIONS SHOWN REFER TO THE BOROUGH OF BRONX DATUM WHICH IS 2,608 FEET ABOVE U.S.C. & G.S. DATUM, MEAN SEA LEVEL, SANDY HOOK N.J.
3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND USING LATEST EDITION OF DEPT. OF TRANSPORTATION CONSTRUCTION AND SPECIFICATIONS.
4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A PERMIT FROM THE N.Y.C. DEPT. OF PARKS AND RECREATION PRIOR TO INSTALLING ANY TREE IN THE PUBLIC RIGHT-OF-WAY.

LIST OF STANDARDS:

1. STEEL FACED CONC. CURB....H-1010
2. PEDESTRIAN RAMP....H-1011-R09/06
3. DROP CURB....H-1015-R79
4. CONCRETE CURB....H-1044
5. 4" THICK CONCRETE SIDEWALK....H1045 TYPE I
6. 7" THICK CONCRETE SIDEWALK....H1045 TYPE II (AT DRIVEWAYS)
7. TREES IN TREE PITS....H-1046

NOTE:

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND USING THE LATEST DEPT. OF TRANSPORTATION CONSTRUCTION DETAILS AND SPECIFICATIONS.

Borough: **BRONX** Sheet_1_of_1_2_

DOB Ref. No.: **220177350** BPP Ref. No.:

NEW YORK CITY
DEPARTMENT OF BUILDINGS
BUILDERS PAVEMENT PLAN

PROJECT DATA

Block(s) 2867 **Lot(s)** 125

Zoning R7-1 **Zoning Map No.** 3A/3B/3C/3D

Street Address 92 WEST TREMONT AVENUE
BRONX, NEW YORK

Owner: PROMESA

Plan prepared by:

OCV
ARCHITECTS
203 LAFAYETTE STREET
N.Y., N.Y. 10012
TEL 212 - 675 - 6470
FAX 212 - 675 - 6728

Seal

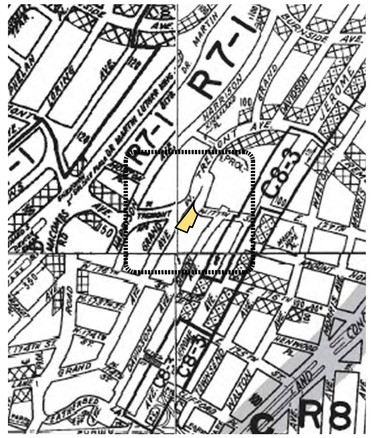
Signature

WAIVERS

DOB requirement waived. As per/Date

1)
2)
3)
4)

ZONING MAP
N.T.S.



PROFESSIONAL CERTIFICATION
(OPTIONAL)

I am submitting this plan under professional certification in compliance with all applicable requirements.

Signature __/__/__ Date

DOB APPROVAL NOT REQUIRED

DOB APPROVAL

Proposed and existing work shown here reviewed for compliance with all applicable rules and requirements by:

Plan Examiner

Approval for issuance of work permits granted by:

Chief/Builders Pavement Section __/__/__ Date

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
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3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
BUILDERS PAVING PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: key/am
SCALE: 1/16"=1'-0"

DRAWING #:
BPP-008.00

PAGE #:
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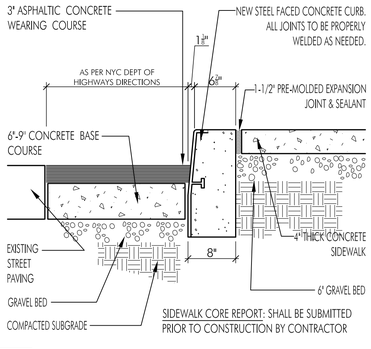

1 STREET PAVING DETAIL

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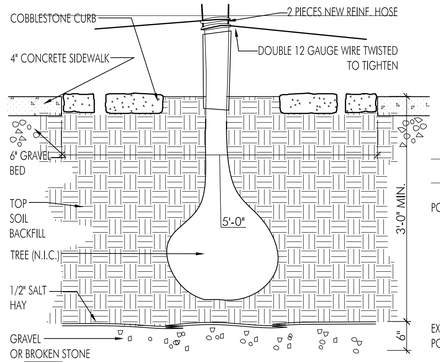
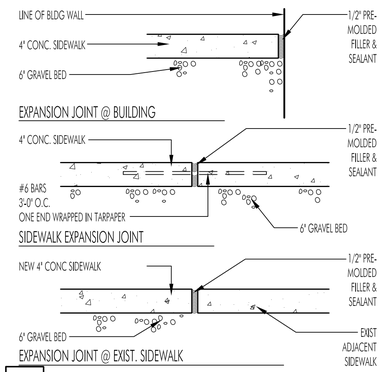


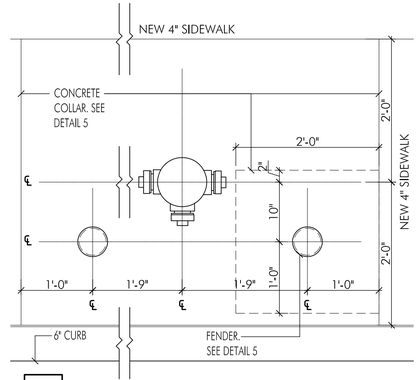
4 SECTION AT TREE PIT

1"=1'-0"



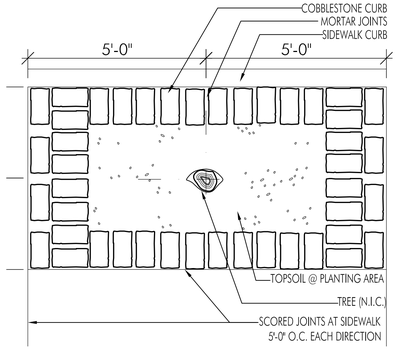
2 EXPANSION JOINT DETAILS

1-1/2"=1'-0"



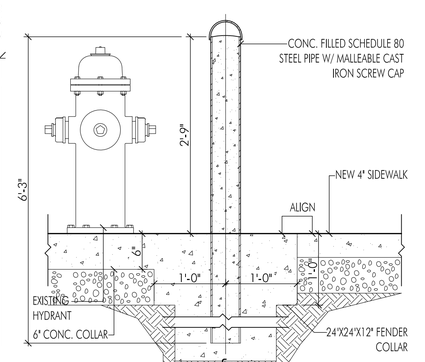
5 HYDRANT FENDER LAYOUT

1"=1'-0"



3 TREE PIT DETAIL @ SIDEWALK

N.T.S



6 HYDRANT FENDER SECTION

1"=1'-0"

ADDITIONAL NOTES REGARDING SIDEWALK PEDESTRIAN RAMPS

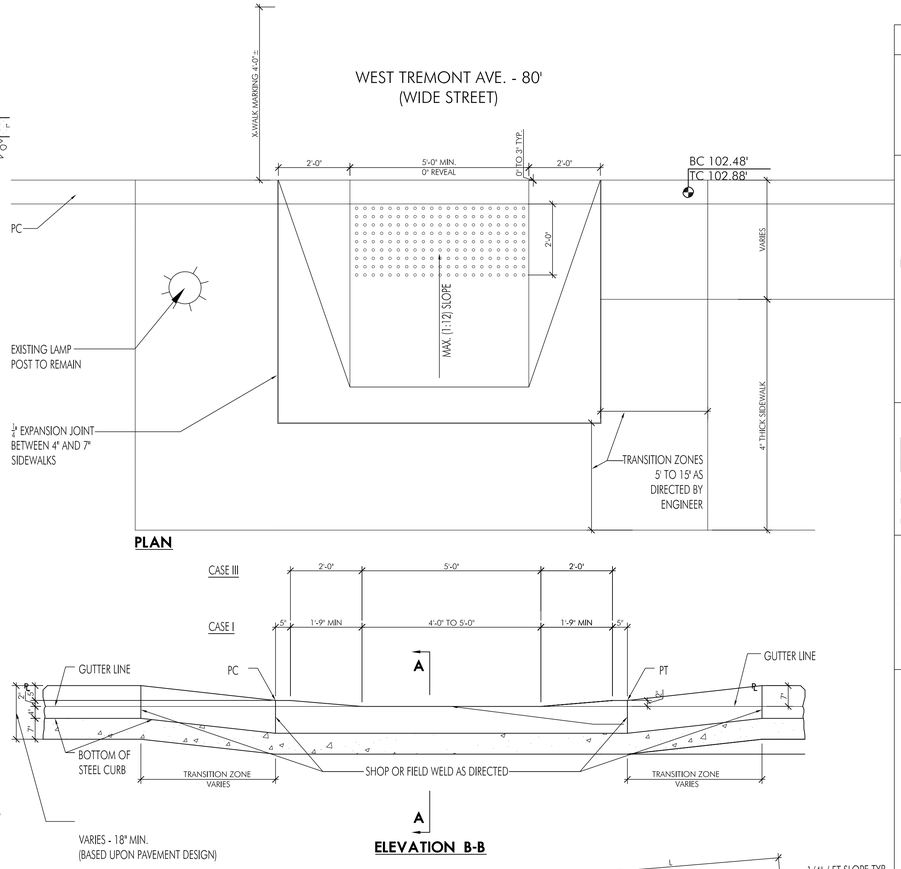
1. REFER TO H 1010 R79 (LATEST REVISION) FOR STEEL FACED CURB - TYPE D
2. ALL MATERIALS AND CONSTRUCTION METHODS USED SHALL CONFORM TO SECTIONS #4.08/4.09/4.13 OF THE STANDARD SPECIFICATIONS, LATEST EDITION, AS AMENDED.
3. WHEN INSTALLING PEDESTRIAN RAMPS IN OTHER THAN PRE-ENGINEERED CAPITAL RECONSTRUCTION PROJECTS, ALLOWANCE SHALL BE MADE FOR EXISTING CONDITIONS PROVIDED THAT THE SLOPE OF THE RAMP SHALL NOT EXCEED 1:12 AND THE ZERO INCH REVEAL IS OBTAINED. TO INSURE THAT SOUND ENGINEERING JUDGEMENT IS USED IN MEETING EXISTING CONDITIONS, ANY AND ALL VARIATIONS FROM THE DETAILS OF CONSTRUCTION HEREIN SHOWN MUST HAVE THE JOINT APPROVAL OF BOTH THE CHIEF ENGINEER OF DESIGN AND THE CHIEF ENGINEER OF CONSTRUCTION.
4. CASE II PLAN SHALL BE USED ONLY WHERE EXPLICITLY DIRECTED BY THE ENGINEER AND APPROVED BY THE COMMISSIONER PRIOR TO DESIGN/INSTALLATION.
5. SURFACE TEXTURE OF PEDESTRIAN RAMP SHALL BE STABLE, FIRM, AND SLIP RESISTANT. CONCRETE RAMP SHALL HAVE A COARSE BROOM FINISH RUNNING PERPENDICULAR TO THE SLOPE, EXCLUSIVE OF DETECTABLE WARNING FIELDS.
6. THE LANDING BETWEEN THE PROPERTY LINES AND THE BACK EDGE OF RAMPS SHALL BE 4' MINIMUM WHERE CASE I RAMPS ARE USED.
7. ALL EXPOSED STEEL SURFACES SHALL BE GROUND SMOOTH.
8. ON FULL WIDTH SIDEWALKS, EXPANSION JOINTS TO BE PLACED AT BUILDING FACES, STRUCTURES AS WELL AS AT BACK FACE OF CURB.
9. ALL DIMENSIONS AND NOTES SHALL BE APPLICABLE TO GRANITE CURB INSTALLATIONS AND/OR CONCRETE CURB INSTALLATIONS.
10. THE FOLLOWING GUIDELINES SHALL BE APPLIED IN DETERMINING THE APPLICATIONS OF THE SPECIFIC CASES:

CASE I
FOR CORNERS WITH
R = 12' INTERIOR ANGLES 90
R = 13' INTERIOR BET. 83 & 93
R = 14' INTERIOR BET. 77 & 90
R = 15' INTERIOR BET. 72 & 81

CASE II
FOR CORNERS WITH
R 12'
R = 12' INTERIOR ANGLE 90
R = 13' INTERIOR ANGLE 83
R = 14' INTERIOR ANGLE 77
R = 15' INTERIOR ANGLE 72

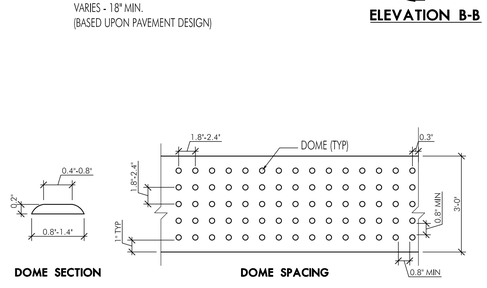
CASE III
FOR CORNERS WITH
R 15'
R = 15' INTERIOR ANGLE 81
R = 14' INTERIOR ANGLE 90
R = 13' INTERIOR ANGLE 93

11. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE, THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING FIELD (THE DOMES AND THE ENTIRE 2 FT. WIDE SURFACE) IS FOR ILLUSTRATION ONLY.
12. THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 3 FT. IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP AS SHOWN, EXCLUSIVE OF SIDE FLARES.
13. DETECTABLE WARNINGS SHALL BE LOCATED SO THAT THE EDGE OF THE WARNING FIELD NEAREST TO THE ROADWAY OR STREET SURFACE IS 0" TO 3" FROM THE BACK OF CURB, AS SHOWN.
14. DOME ALIGNMENT, DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL.
15. COLOR REQUIREMENT, THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR SHALL VISUALLY CONTRAST WITH THE ADJOINING CURB RAMP, OR OTHER ADJACENT WALKWAY SURFACES WHERE THERE IS NO CURB RAMP, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT AS DEFINED IN THE AMERICANS WITH DISABILITIES ACCESSIBILITY GUIDELINES (ADAG).
16. PAVEMENT LINES FOR DETECTABLE WARNING UNITS ARE THE 2 FT. DIMENSION SHOWN IN THE DETAILS EXTENDING THE FULL WIDTH OF THE CURB RAMP.
17. WHEN STREET FURNITURE (LAMP POSTS, TRAFFIC SIGNAL POSTS, UTILITY POSTS, HYDRANTS, ETC.) INTERFERES WITH THE CONSTRUCTION OF A SIDE FLARE ADJACENT TO A NON-WALKING (GRADED) AREA, SAID SIDE FLARE SHALL BE REPLACED WITH A CONCRETE CURB, AS DIRECTED BY THE ENGINEER, PROVIDED THE INTERFERENCE CAN BE AVOIDED AND LEFT IN PLACE.



PLAN

ELEVATION B-B

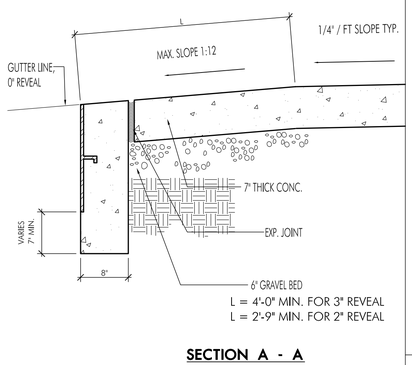


DOME SECTION DOME SPACING

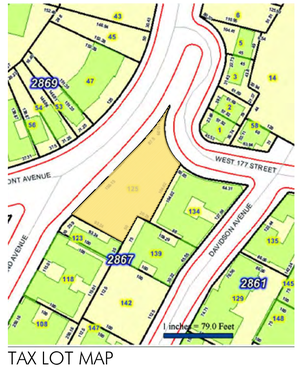
DETECTABLE WARNING SURFACE DETAILS

7 SIDEWALK PEDESTRIAN RAMPS

N.T.S.



SECTION A - A



TAX LOT MAP

Borough: **BRONX** Sheet 2 of 3

DOB Ref. No.: **220177350** BPP Ref. No.:

NEW YORK CITY DEPARTMENT OF BUILDINGS
BUILDERS PAVEMENT PLAN

PROJECT DATA

Block(s): 2867 **Lot(s):** 125

Zoning: R7-1 **Zoning Map No.** 3A/3B/3C/3D

Street Address: 92 WEST TREMONT AVENUE BRONX, NEW YORK

Owner: PROMESA

Plan prepared by:

OCV ARCHITECTS
203 LAFAYETTE STREET
N.Y., N.Y. 10012
TEL 212 - 675 - 6470
FAX 212 - 675 - 6728

Seal

Signature

WAIVERS

DOB requirement waived. As per/Date

1)
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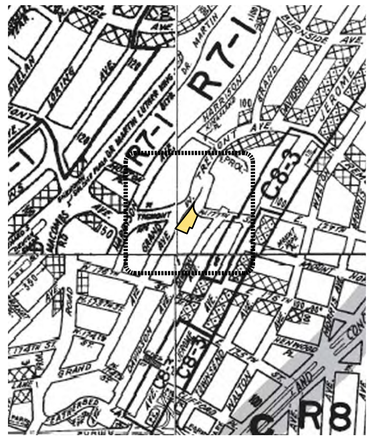
4)

ZONING MAP
N.T.S.



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Chief/Builders Pavement Section Date

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

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3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
BUILDERS PAVING PLAN

ARCHITECT:
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JOB #: 09J06
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SCALE:

DRAWING #: BPP-009.00

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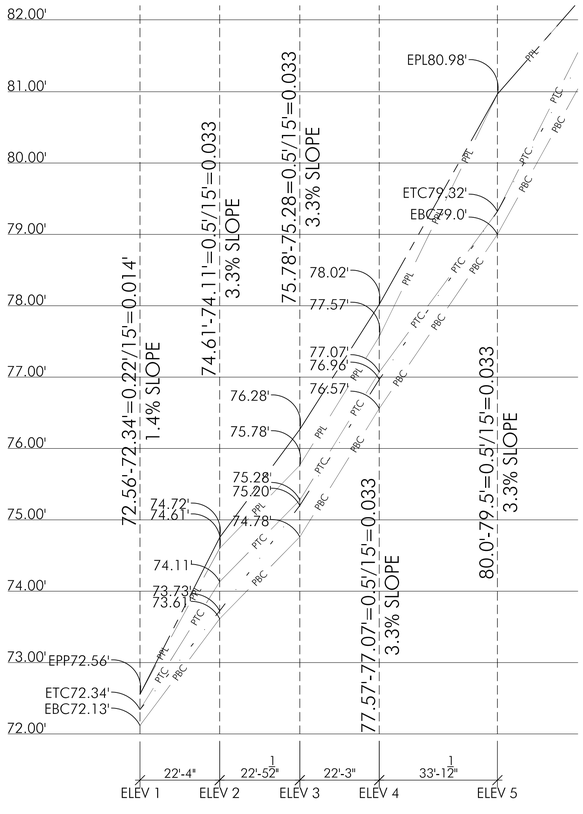
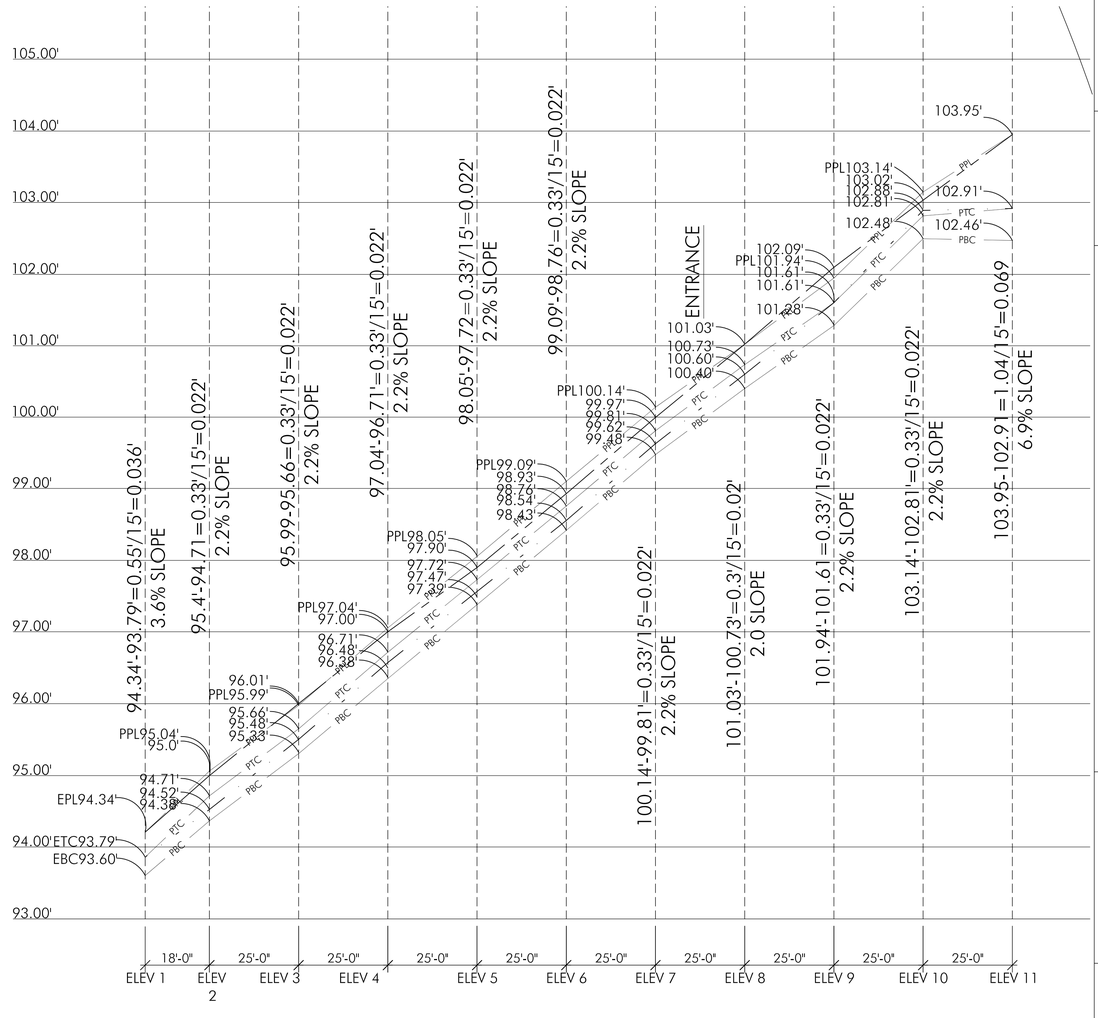


SIDEWALK GRADE STUDY
WEST 177th ST.
6" HIGH CURB



SIDEWALK GRADE STUDY
WEST TREMONT AVENUE
4" HIGH CURB

Borough: **BRONX** Sheet 3 of 3

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92 WEST TREMONT AVE.
BRONX, NY 10458

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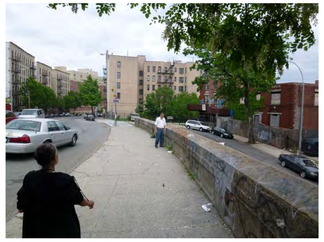

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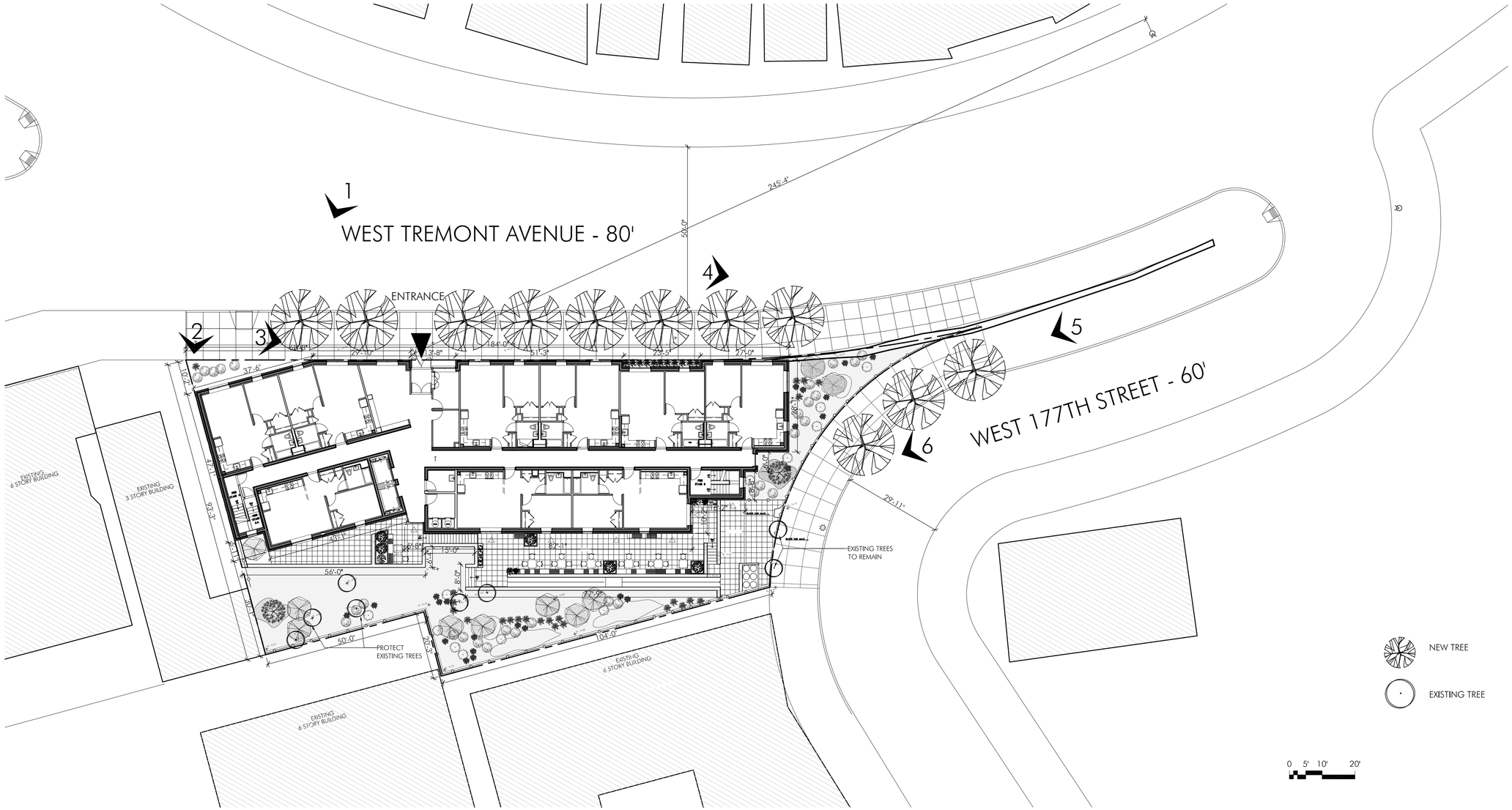

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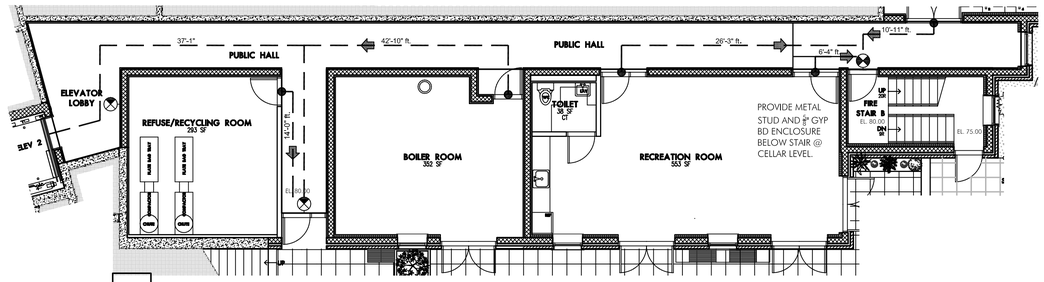
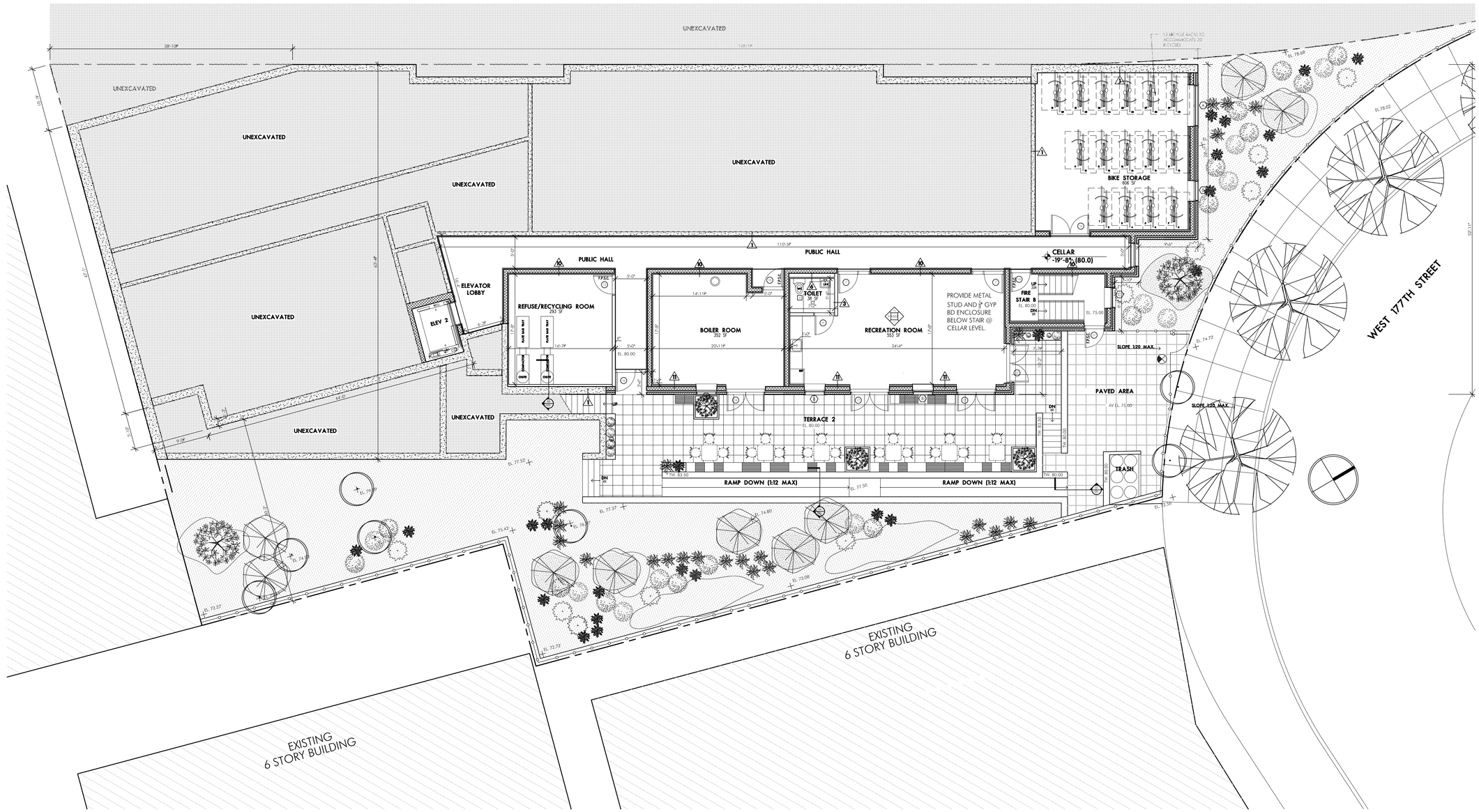


CELLAR FLOOR PLAN - EGRESS DIAGRAM

MEANS OF EGRESS

EGRESS PATH

EXIT SIGN



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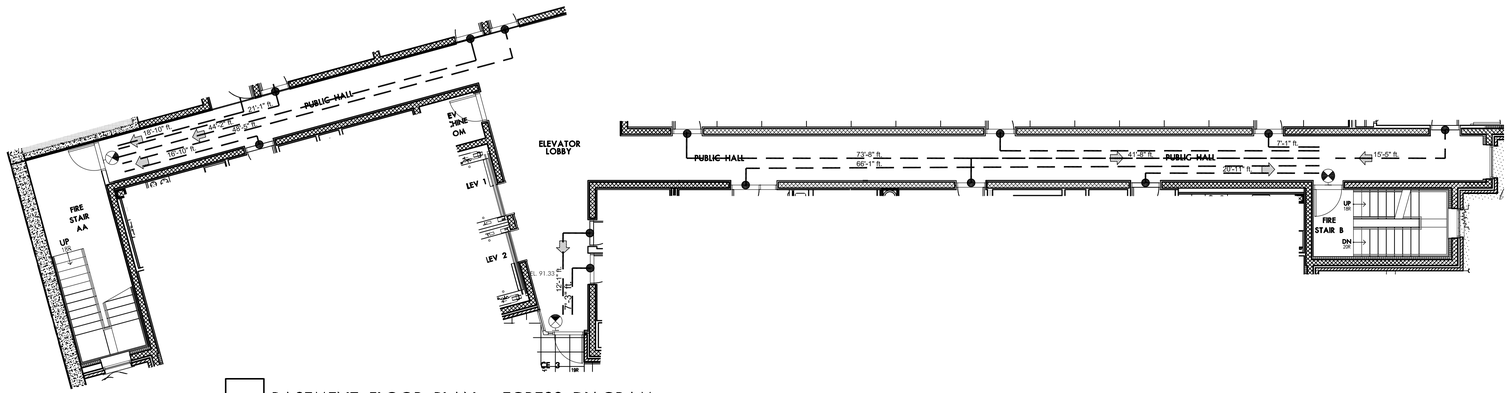
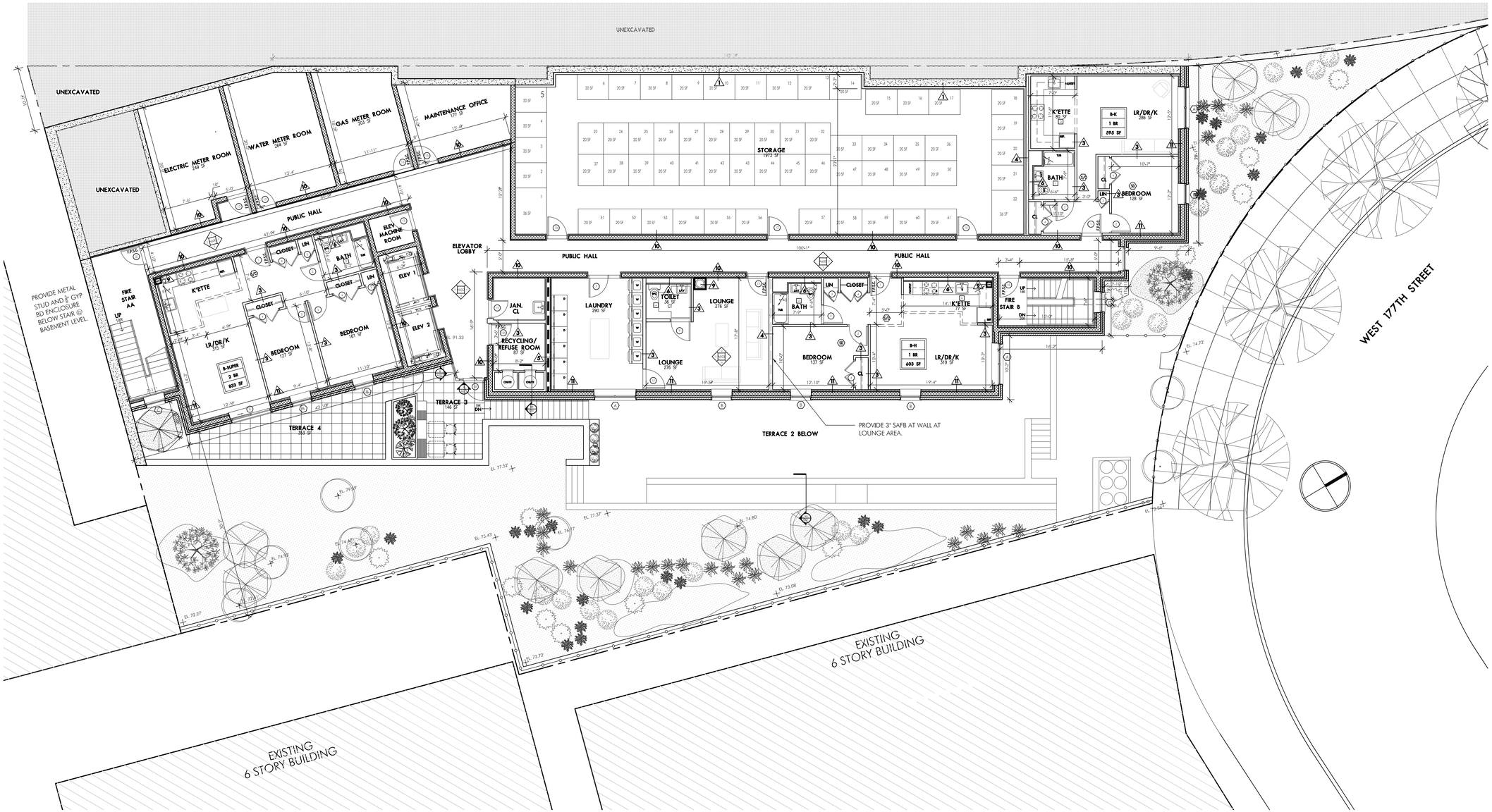


BASEMENT FLOOR PLAN - EGRESS DIAGRAM

MEANS OF EGRESS

- EGRESS PATH
- EXIT SIGN



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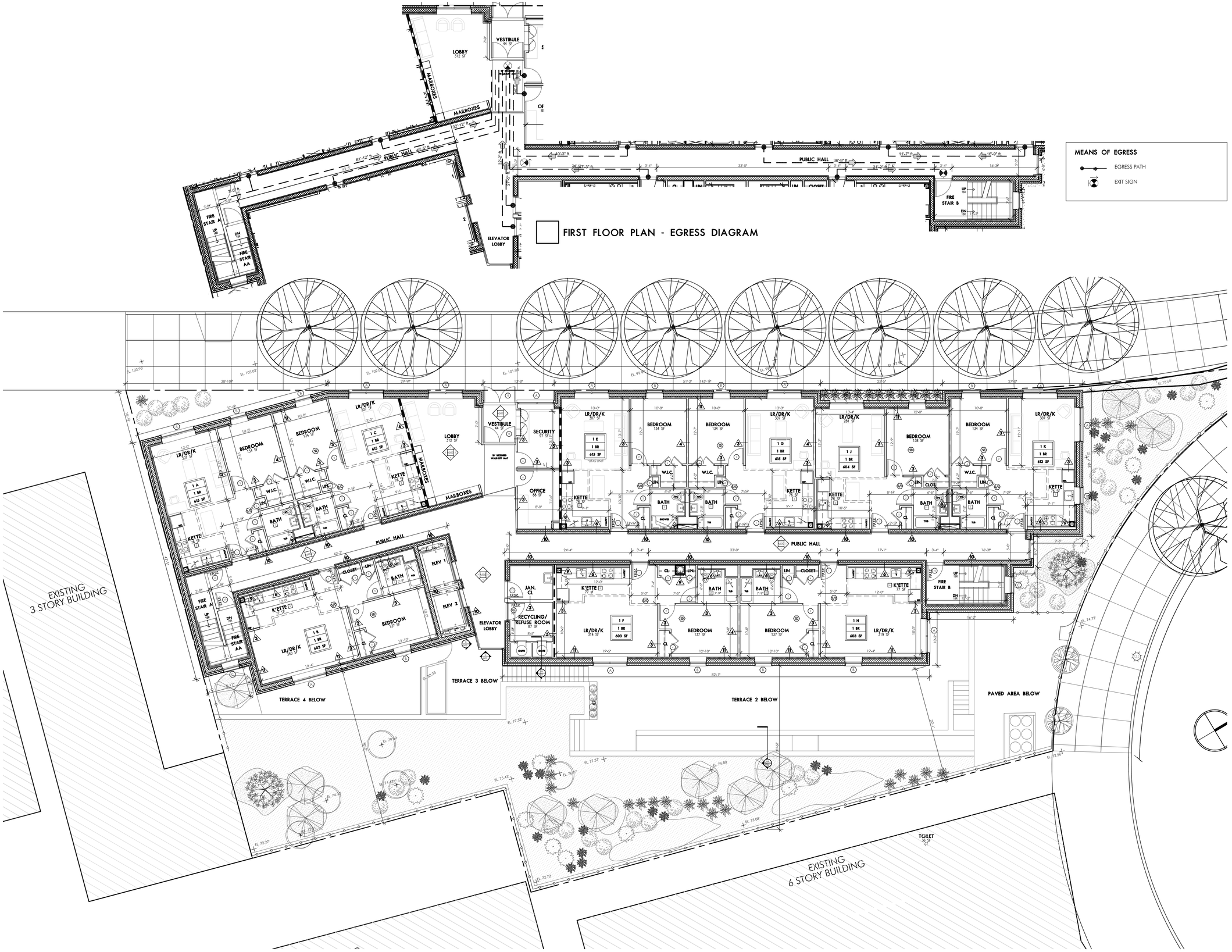

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:

ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

FIRST FLOOR PLAN

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/8" = 1'-0"

DRAWING #: A-103.00

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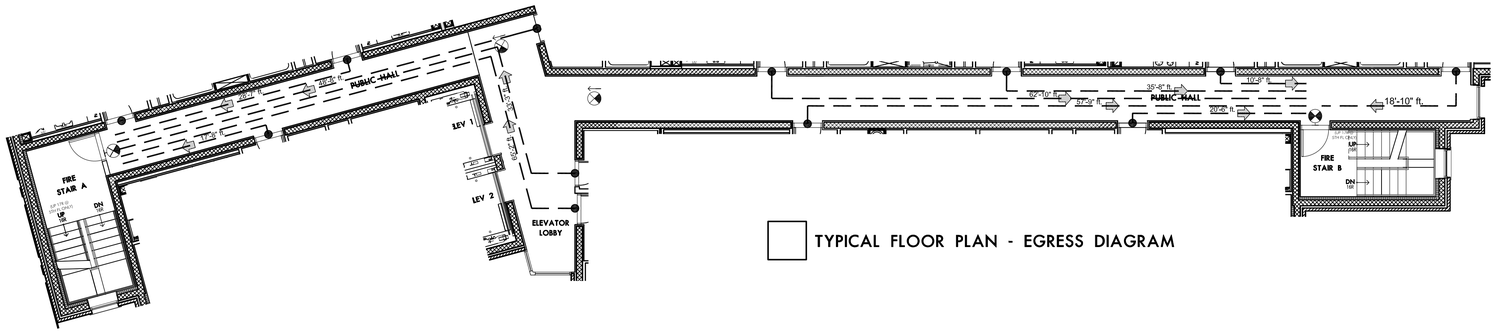


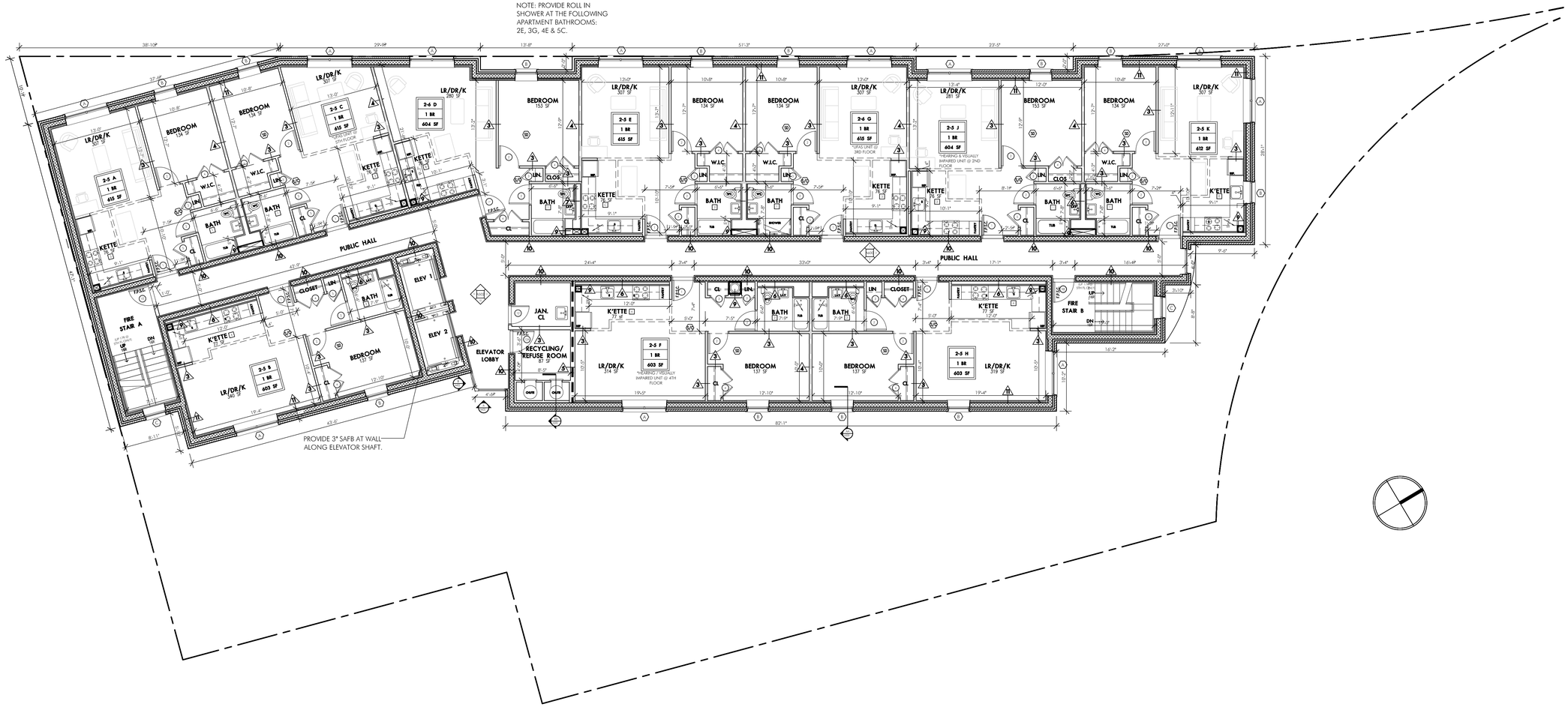
TYPICAL FLOOR PLAN - EGRESS DIAGRAM

MEANS OF EGRESS

EGRESS PATH

EXIT SIGN

NOTE: PROVIDE ROLL IN SHOWER AT THE FOLLOWING APARTMENT BATHROOMS: 2E, 3G, 4E & 5C.



PROMESA

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92 WEST TREMONT AVE.
BRONX, NY 10458

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3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

TYPICAL FLOOR PLAN (2-5)

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
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DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/8" = 1'-0"

DRAWING #:

A-104.00

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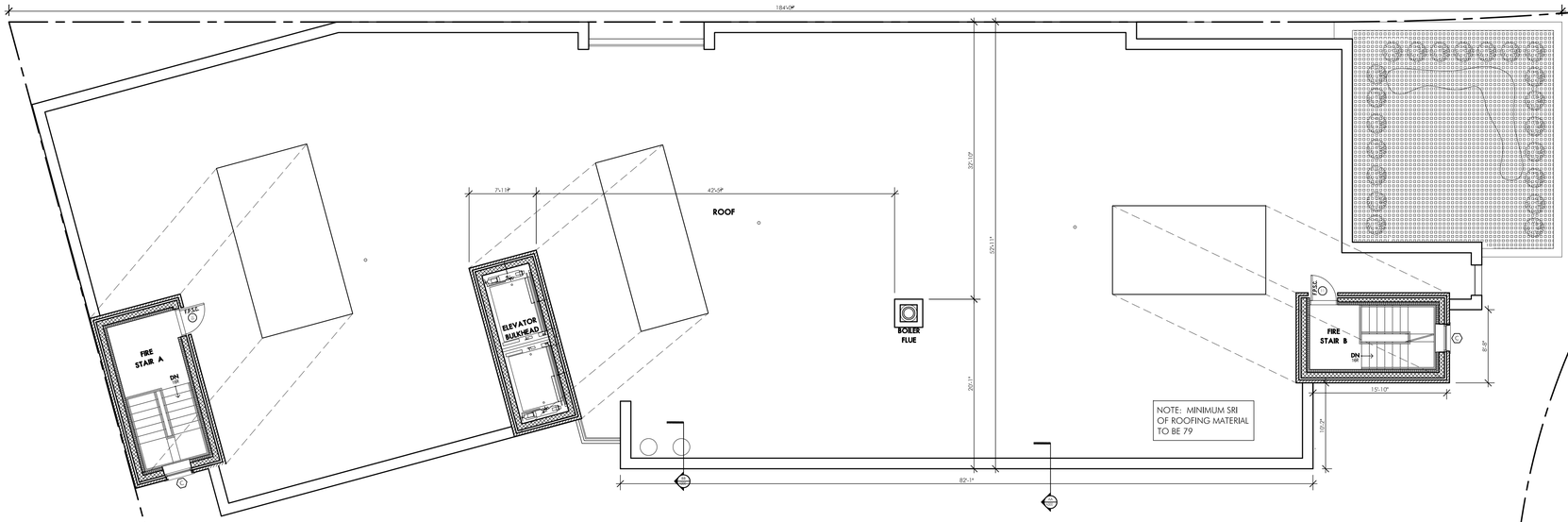
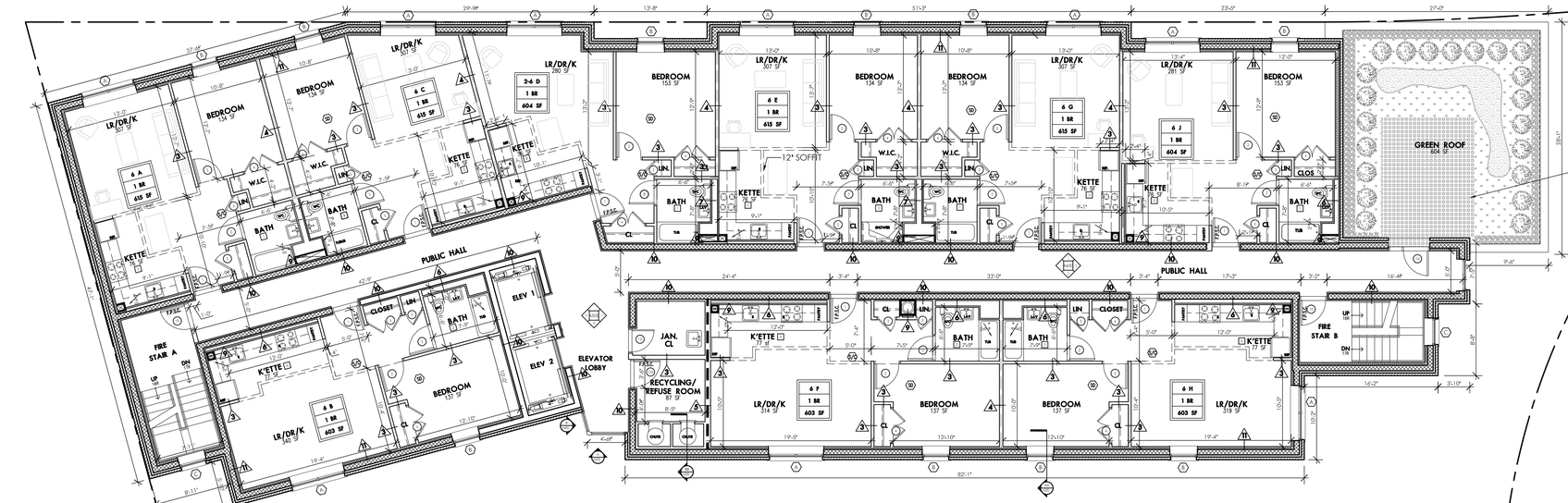
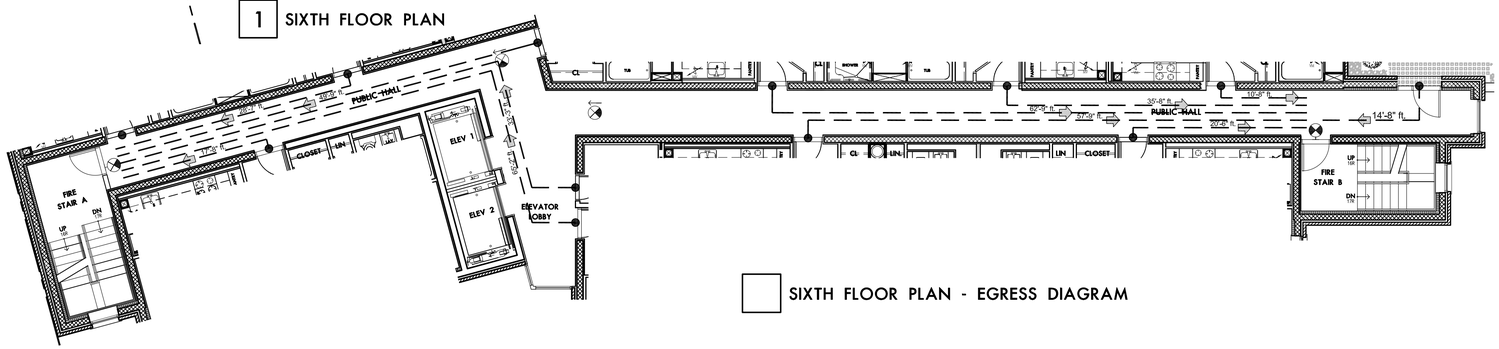


2 ROOF PLAN



1 SIXTH FLOOR PLAN



SIXTH FLOOR PLAN - EGRESS DIAGRAM

MEANS OF EGRESS

- EGRESS PATH
- EXIT SIGN

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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12 W 32ND STREET | NEW YORK, NY 10001
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4	CONTRACT SET	06/18/2013

DRAWING TITLE:
SIXTH FLOOR PLAN
ROOF PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012
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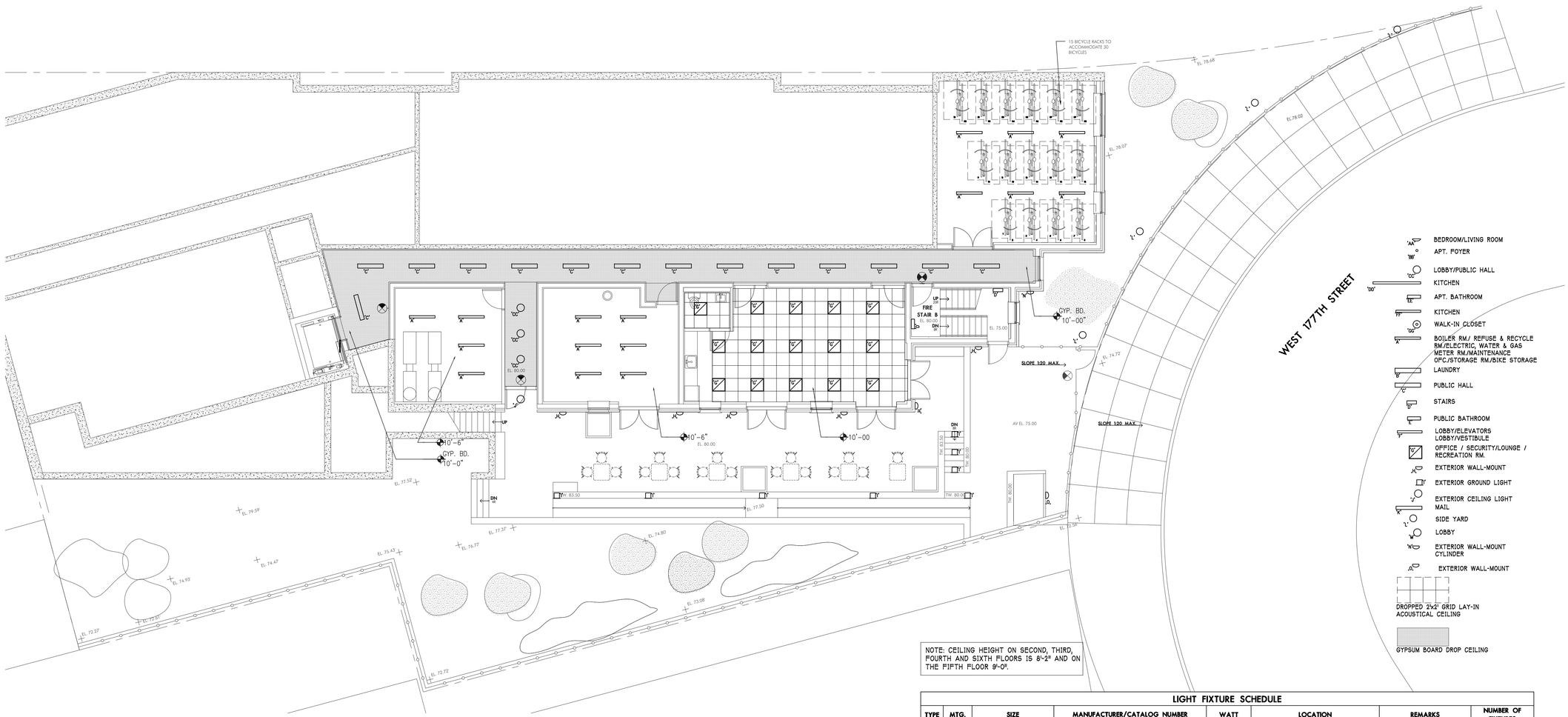

NOTE: CEILING HEIGHT ON SECOND, THIRD, FOURTH AND SIXTH FLOORS IS 8'-2" AND ON THE FIFTH FLOOR 9'-0".

LIGHT FIXTURE SCHEDULE

TYPE	MTG.	SIZE	MANUFACTURER/CATALOG NUMBER	WATT	LOCATION	REMARKS	NUMBER OF FIXTURES
'A,A'	WALL	13-7/8" W X 6-7/8" H X 3-1/2" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11857[2]3WCOMPACT[TT]120	13W	BEDROOM/LIVING ROOM		
'BB'	CEILING	7-3/8" DIA. X5"H	SEAGULL LIGHTING/DEEP CONE SATIN NICKEL/11061AT-861-69	13W	APT. FOYER	COMPACT FLUORESCENT BULB 97047-	
'CC'	CEILING	14" DIA	SEAGULL LIGHTING/6024-15 SINGLE LIGHT WHITE PENDANT/	8W	PUIBLIC HALL/LOBBY		7
'DD'	CEILING	88.25" L X 3" H X 3-1/2" D	CORONET INC./LSR SERIES/LSR-88*1-54-NT-120	54W	KITCHEN		
'EE'	WALL	27" L X 5" W X 4" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11890-RE-120	17W	APT. BATHROOM.		
'FF'	CEILING	46.25" L X 3" W X 3-1/2" D	CORONET INC./LSR SERIES/LSR-44*1-28-NT-120	28W	KITCHEN		
'GG'	CEILING	4" H X 5" W X 4 D	TCP ECOVATIONS/ GU24 CLOSET LIGHT/SPRING LAMPS/CL13	13W	WALK-IN CLOSET		
'A'	CEILING	4' L X 5-5/16" W X 3-1/2" H	CORONET INC / WELDED STRIP SERIES / WS-2-33-120-MS	32W T8	BOILER RM/ REFUSE & RECYCLE RM./ELECTRIC, WATER & GAS METER RM./MAINTENANCE OFC./JANITOR CLOSET		61
'B'	WALL	51-1/2" L X 11-1/4" W X 5-1/2" H	LIGHT CONCEPTS/ LITHONIA LIGHTING/ 10640-RE-17-120	17W T8	LAUNDRY		3
'C'	CEILING	48" L X 7-3/4" W X 2" H	CORONET INC./ECO SERIES/ECO-4FT-1-28W-PS6*-120-EMI-OP	28W	PUBLIC HALL		139
'D'	WALL	24" L X 8" H X 3.88" D	LAMAR LIGHTING/VO SERIES VOYAGER/VO-2-17-E8-120-	17W	STAIRS		34
'E'	CEILING	72" L X 4-1/2" W X 1-3/4" H	LITECONTROL/COVE-15 CC-AL-L15/ CC-AL-L15-06-MO-30K--120	58W	ELEVATORS LOBBY/LOBBY		33
'G'	CEILING	24" X 24"	CORONET INC./TSSW SERIES/TSSW-22-2-14W-T-120	14W T5	OFFICE/SECURITY OFC/LOUNGE/RECREATION RM.		12
'H'	WALL	18 L X 8" D X 7-1/4" H	LITHONIA LIGHTING/DECORATIVE WALL-MOUNTED LIGHT./WSR-MDU-120-DNAT	26W	EXTERIOR WALLS/GREEN ROOF		13
'I'	WALL/FLOOR	9-3/8" L X 4-1/2" D X 3" H	PRESCOLITE/LED STEP LIGHTS/SLLED2-35-BZ-SLD12CMB	10W	EXTERIOR/GREEN ROOF		21
'J'	CEILING	13-5/8" DIA X 5-3/8" H	PROGRESS LIGHTING/COMPACT FLUORESCENT "HOOP/ P5786-20EBWB-1-26WCFL	26W	EXTERIOR		4
'K'	WALL	72" L	DELRAY LIGHTING/ST9/11/ ST96221.11-6"-120 ST9428.411-4"-120	2-21 & 1-28	MAIL WALL		2
'L'	FLOOR	10" DIA X 7" H 2.6" DIA X 17" H	RAB LIGHTING/DOME TOP LAWN LIGHT / LLD36/PS13 RAB LIGHTING/17" MIGHTYPOST/MP17B	13W CFL	SIDE YARD	INSTALL ON MOUNTING STEM N@ 1'-0" ABOVE GRADE, BLACK FINISH	4
'M'	CEILING	5" DIA X 6-5/8" H	DELRAY LIGHTING/CYLINDRO II/ 6705-CW-S-1	60W	LOBBY		1
'N'	WALL	6" DIA x 12" H X 8-7/8" D	PRESCOLITE/6PDIRECT LED WALL MOUNT CYLINDER/LDLED30-W-35K-BZ	75 W	SIDEYARD WALL	UL-CUL WET LOCATION WITH TOP COVER	8
'O'	WALL	18"L X 12.5" D X 8" D	LITHONIA/WALL MOUNTED LIGHT/MRW/MRW-260TT-M-120-DNAT	26	ROOF		4

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
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TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
CELLAR FLOOR
REFLECTED CEILING PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO P.C.
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/8"=1'-0"

DRAWING #: A-106.00

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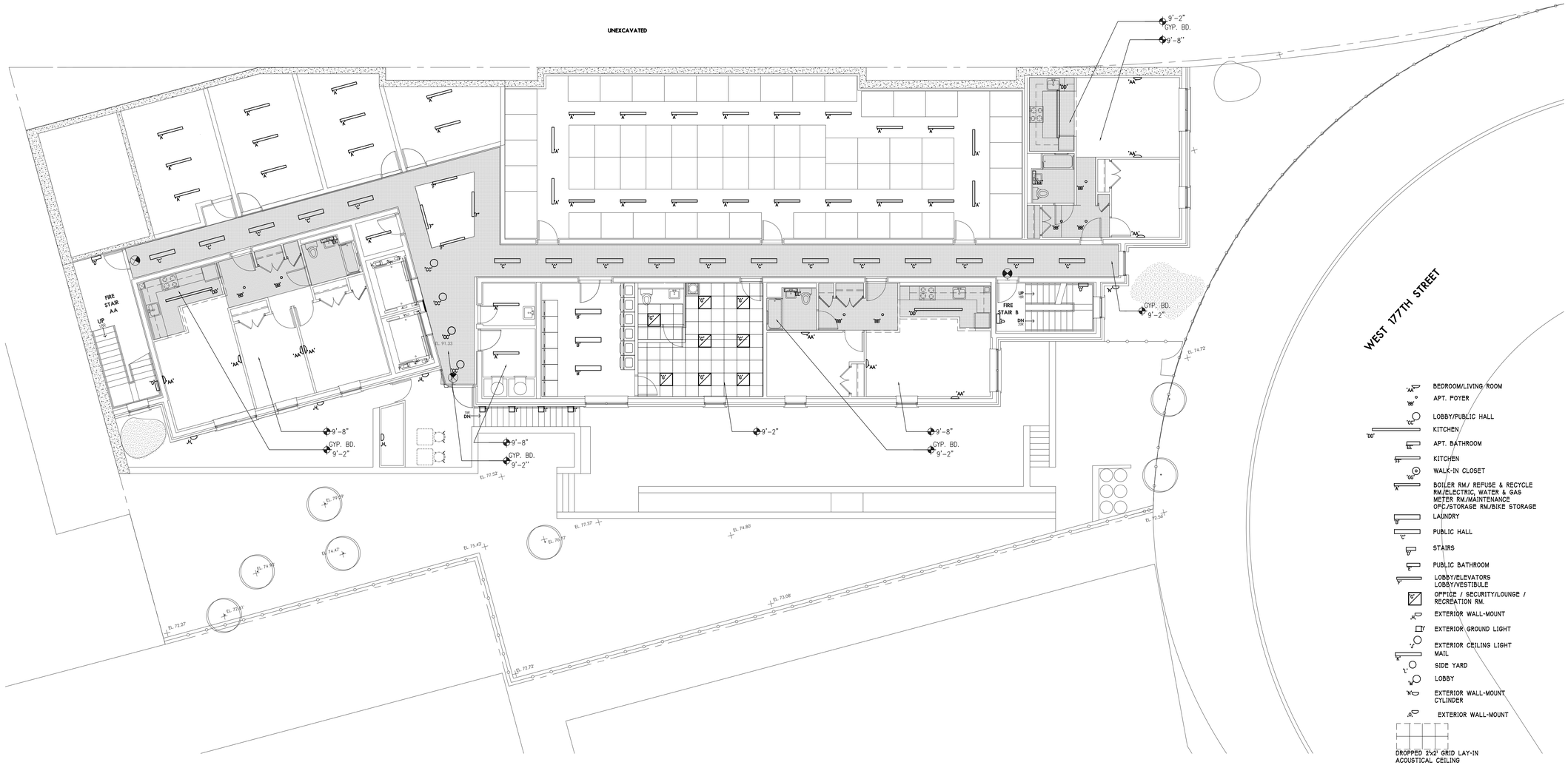

BEDROOM/LIVING ROOM
APT. FOYER
LOBBY/PUBLIC HALL
KITCHEN
APT. BATHROOM
KITCHEN
WALK-IN CLOSET
BOILER RM/ REFUSE & RECYCLE RM/ELECTRIC, WATER & GAS METER RM/MAINTENANCE OPC./STORAGE RM/BIKE STORAGE
LAUNDRY
PUBLIC HALL
STAIRS
PUBLIC BATHROOM
LOBBY/ELEVATORS LOBBY/VESTIBULE
OFFICE / SECURITY/LOUNGE / RECREATION RM.
EXTERIOR WALL-MOUNT
EXTERIOR GROUND LIGHT
EXTERIOR CEILING LIGHT
MAIL
SIDE YARD
LOBBY
EXTERIOR WALL-MOUNT CYLINDER
EXTERIOR WALL-MOUNT
DROPPED 2'x2' GRID LAY-IN ACOUSTICAL CEILING
GYPSUM BOARD DROP CEILING

NOTE: CEILING HEIGHT ON SECOND, THIRD, FOURTH AND SIXTH FLOORS IS 8'-2" AND ON THE FIFTH FLOOR 9'-0".

LIGHT FIXTURE SCHEDULE

TYPE	MTG.	SIZE	MANUFACTURER/CATALOG NUMBER	WATT	LOCATION	REMARKS	NUMBER OF FIXTURES
'AA'	WALL	13-7/8" W X 6-7/8" H X 3-1/2" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11857121313WCOMPACTITT120	13W	BEDROOM/LIVING ROOM		
'BB'	CEILING	7-3/8" DIA. X5"H	SEAGULL LIGHTING/DEEP CONE SATIN NICKEL/11061AT-861-6"	13W	APT. FOYER	COMPACT FLUORESCENT BULB 97047-	
'CC'	CEILING	14" DIA	SEAGULL LIGHTING/6024-15 SINGLE LIGHT WHITE PENDANT/	8W	PUIBLIC HALL/LOBBY		7
'DD'	CEILING	88.25" L X 3" H X 3-1/2" D	CORONET INC./LSR SERIES/LSR-88"-1-54-NT-120	54W	KITCHEN		
'EE'	WALL	27" L X 5" W X 4" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11880-RE-120	17W	APT. BATHROOM.		
'FF'	CEILING	46.25" L X 3" W X 3-1/2" D	CORONET INC./LSR SERIES/LSR-44"-1-28-NT-120	28W	KITCHEN		
'GG'	CEILING	4" H X 5" W X 4 D	TCP ECOVATIONS/ GU24 CLOSET LIGHT/SPRING LAMPS/CL13	13W	WALK-IN CLOSET		
'A'	CEILING	4' L X 5-5/16" W X 3-1/2" H	CORONET INC / WELDED STRIP SERIES / WS-2-32-120-MS	32W T8	BOILER RM/ REFUSE & RECYCLE RM/ELECTRIC, WATER & GAS METER RM./MAINTENANCE OPC./JANITOR CLOSET		61
'B'	WALL	51-1/2" L X 11-1/4" W X 5-1/2" H	LIGHT CONCEPTS/ LITHONIA LIGHTING/ 10640-RE-17-120	17W T8	LAUNDRY		3
'C'	CEILING	48" L X 7-3/4" W X 2" H	CORONET INC./ECO SERIES/ECO-4FT-1-28W-PS6"-120-EMI-OP	28W	PUBLIC HALL		139
'D'	WALL	24" L X 8" H X 3.89" D	LAMAR LIGHTING/VO SERIES VOYAGER/VO-2-17-E8-120-	17W	STAIRS		34
'E'	CEILING	72" L X 4-1/2" W X 1-3/4" H	LITECONTROL/COVE-15 CC-AL-L15/ CC-AL-L15-06-M0-30K--120	59W	ELEVATORS LOBBY/LOBBY		33
'G'	CEILING	24" X 24"	CORONET INC./TSSW SERIES/TSSW-22-2-14W-T-120	14W T5	OFFICE/SECURITY OPC/LOUNGE/RECREATION RM.		12
'H'	WALL	18 L X 8" D X 7-1/4" H	LITHONIA LIGHTING/DECORATIVE WALL-MOUNTED LIGHT./WSR-MDU-120-DNAT	26W	EXTERIOR WALLS/GREEN ROOF		13
'I'	WALL/FLOOR	9-3/8" L X 4-1/2" D X 3" H	PRESCOLITE/LED STEP LIGHTS/SLLED2-35-BZ-SLD12CMB	10W	EXTERIOR/GREEN ROOF		21
'J'	CEILING	13-5/8" DIA X 5-3/8" H	PROGRESS LIGHTING/COMPACT FLUORESCENT 1HOOP/ P5786-20EBWB-1-26WCFL	26W	EXTERIOR		4
'K'	WALL	72" L	DELRAY LIGHTING/ST8/11/ ST8622L311-6"-120 ST8428.411-4-120	2-21 & 1-28	MAIL WALL		2
'L'	FLOOR	10" DIA X 7" H 2.6" DIA X 17" H	RAB LIGHTING/DOME TOP LAWN LIGHT / LLD36/PS13 RAB LIGHTING/17" MIGHTYPOST/MP17B	13W CFL	SIDE YARD	INSTALL ON MOUNTING STEM NO 1'-0" ABOVE GRADE, BLACK FINISH	4
'M'	CEILING	5" DIA X 6-5/8" H	DELRAY LIGHTING/CYLINDRO II/ 6705-CW-S-1	60W	LOBBY		1
'N'	WALL	6" DIA x 12" H X 8-7/8" D	PRESCOLITE/6PDIRECT LED WALL MOUNT CYLINDER/LDLED30-W-35K-SZ	75 W	SIDEYARD WALL	UL-CUL WET LOCATION WITH TOP COVER	8
'O'	WALL	18"L X 12.5" D X 9" D	LITHONIA/WALL MOUNTED LIGHT/MRW/MRW-260TT-M-120-DNAT	26	ROOF		4

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
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3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
BASEMENT FLOOR REFLECTED CEILING PLAN

ARCHITECT:
OCV
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ARCHITECTS
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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

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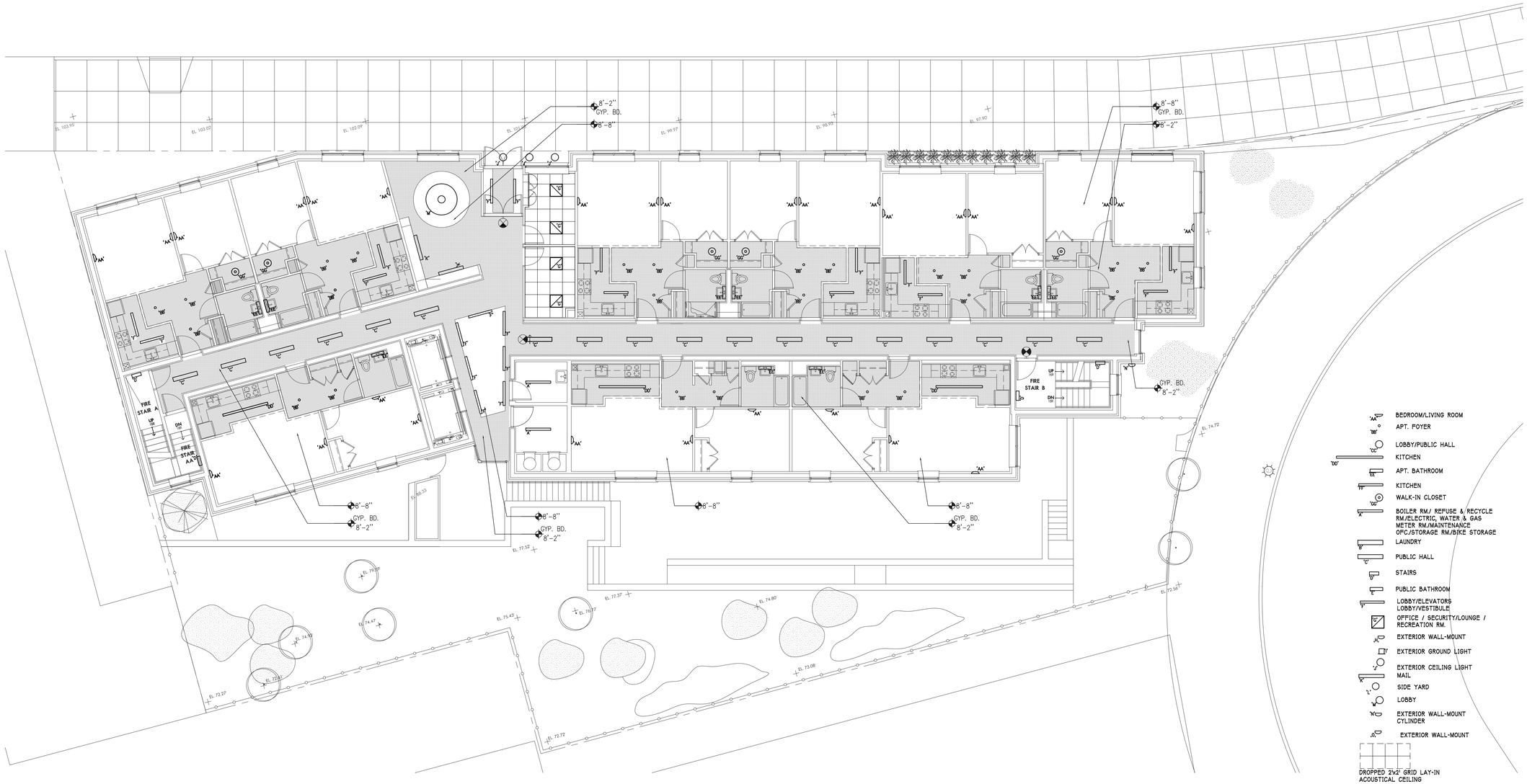

- BEDROOM/LIVING ROOM
- APT. FOYER
- LOBBY/PUBLIC HALL
- KITCHEN
- APT. BATHROOM
- KITCHEN
- WALK-IN CLOSET
- BOILER RM/ REFUSE & RECYCLE RM/ELECTRIC, WATER & GAS METER RM/MAINTENANCE OFC./STORAGE RM/BIKE STORAGE
- LAUNDRY
- PUBLIC HALL
- STAIRS
- PUBLIC BATHROOM
- LOBBY/ELEVATORS LOBBY/VESTIBULE
- OFFICE / SECURITY/LOUNGE / RECREATION RM.
- EXTERIOR WALL-MOUNT
- EXTERIOR GROUND LIGHT
- EXTERIOR CEILING LIGHT
- MAIL
- SIDE YARD
- LOBBY
- EXTERIOR WALL-MOUNT CYLINDER
- EXTERIOR WALL-MOUNT

DROPPED 2'x2' GRID LAY-IN ACOUSTICAL CEILING

GYPSUM BOARD DROP CEILING

NOTE: CEILING HEIGHT ON SECOND, THIRD, FOURTH AND SIXTH FLOORS IS 8'-2" AND ON THE FIFTH FLOOR 9'-0".

LIGHT FIXTURE SCHEDULE

TYPE	MTG.	SIZE	MANUFACTURER/CATALOG NUMBER	WATT	LOCATION	REMARKS	NUMBER OF FIXTURES
'AA'	WALL	13-7/8" W X 6-7/8" H X 3-1/2" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11957121213WCOMPACTITT120	13W	BEDROOM/LIVING ROOM		
'BB'	CEILING	7-3/8" DIA. X5"H	SEAGULL LIGHTING/DEEP CONE SATIN NICKEL/75904T-965-6"	13W	APT. FOYER	COMPACT FLUORESCENT BULB 97047-	
'CC'	CEILING	14" DIA	SEAGULL LIGHTING/6024-15 SINGLE LIGHT WHITE PENDANT/	8W	PUBLIC HALL/LOBBY		7
'DD'	CEILING	88.25" L X 3" H X 3-1/2" D	CORONET INC./LSR SERIES/LSR-88*1-54-NT-120	54W	KITCHEN		
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'FF'	CEILING	46.25" L X 3" W X 3-1/2" D	CORONET INC./LSR SERIES/LSR-44*1-28-NT-120	28W	KITCHEN		
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'A'	CEILING	4' L X 5-5/16" W X 3-1/2" H	CORONET INC / WELDED STRIP SERIES / WS-2-32-120-MS	32W T8	BOILER RM/ REFUSE & RECYCLE RM/ELECTRIC, WATER & GAS METER RM./MAINTENANCE OFC./JANITOR CLOSET		61
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'C'	CEILING	48" L X 7-3/4" W X 2" H	CORONET INC./ECO SERIES/ECO-4FT-1-28W-PS6*-120-EMI-OP	28W	PUBLIC HALL		139
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'H'	WALL	18 L X 8" D X 7-1/4" H	LITHONIA LIGHTING/DECORATIVE WALL-MOUNTED LIGHT./WSR-MDU-120-DNAT	26W	EXTERIOR WALLS/GREEN ROOF		13
'I'	WALL/FLOOR	8-3/8" L X 4-1/2" D X 3" H	PRESCOLITE/LED STEP LIGHTS/SLLED2-35-BZ-SLD12CMB	10W	EXTERIOR/GREEN ROOF		21
'J'	CEILING	13-5/8" DIA X 5-3/8" H	PROGRESS LIGHTING/COMPACT FLUORESCENT 'HOOP/ P5786-20EBWB-1-26WCFL	26W	EXTERIOR		4
'K'	WALL	72" L	DELRAY LIGHTING/ST8/1U ST96221311-6'-120 ST94128.411-4'-120	2-21 & 1-28	MAIL WALL		2
'L'	FLOOR	10" DIA X 7" H 2.6" DIA X 17" H	RAB LIGHTING/DOME TOP LAWN LIGHT / LLD36B/PS13 RAB LIGHTING/17" MIGHTYPOST/MP17B	13W CFL	SIDE YARD	INSTALL ON MOUNTING STEM N@ 1'-0" ABOVE GRADE, BLACK FINISH	4
'M'	CEILING	5" DIA X 6-5/8" H	DELRAY LIGHTING/CYLINDRO II/ 6705-CW-S-1	60W	LOBBY		1
'N'	WALL	6" DIA x 12" H X 8-7/8" D	PRESCOLITE/4PDIRECT LED WALL MOUNT CYLINDER/LDLED20-W-35K-BZ	75 W	SIDEYARD WALL	UL-CSL WET LOCATION WITH TOP COVER	8
'O'	WALL	18"L X 12.5" D X 9" D	LITHONIA/WALL MOUNTED LIGHT/MRW/MRW-26DTT-M-120-DNAT	26	ROOF		4

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
FIRST FLOOR
REFLECTED CEILING PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO P.C.
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T: 212 675 6470 F: 212 675 6728

DATE: 05/18/2012

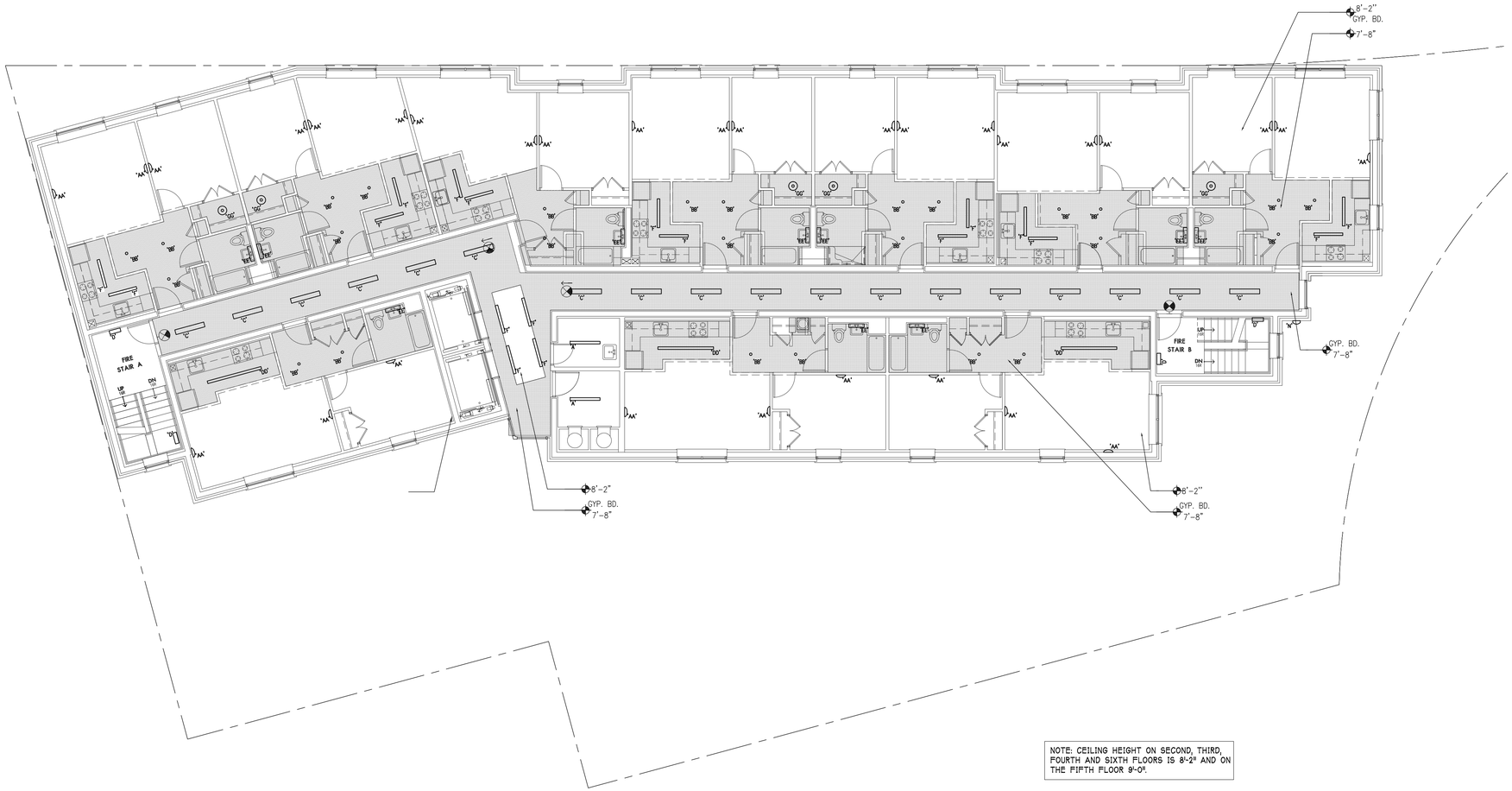
JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/8"=1'-0"

DRAWING #: A-108.00

PAGE #: 220177350



BEDROOM/LIVING ROOM

APT. FOYER

LOBBY/PUBLIC HALL

KITCHEN

APT. BATHROOM

KITCHEN

WALK-IN CLOSET

BOILER RM./ REFUSE & RECYCLE RM./ELECTRIC, WATER & GAS METER RM./MAINTENANCE OFC./STORAGE RM./BIKE STORAGE

LAUNDRY

PUBLIC HALL

STAIRS

PUBLIC BATHROOM

LOBBY/ELEVATORS LOBBY/VESTIBULE

OFFICE / SECURITY/LOUNGE / RECREATION RM.

EXTERIOR WALL-MOUNT

EXTERIOR GROUND LIGHT

EXTERIOR CEILING LIGHT

MAIL

SIDE YARD

LOBBY

EXTERIOR WALL-MOUNT CYLINDER

EXTERIOR WALL-MOUNT

DROPPED 2'x2' GRID LAY-IN ACOUSTICAL CEILING

GYPSUM BOARD DROP CEILING

NOTE: CEILING HEIGHT ON SECOND, THIRD, FOURTH AND SIXTH FLOORS IS 8'-2" AND ON THE FIFTH FLOOR 9'-0".

LIGHT FIXTURE SCHEDULE

TYPE	MTG.	SIZE	MANUFACTURER/CATALOG NUMBER	WATT	LOCATION	REMARKS	NUMBER OF FIXTURES
'AA'	WALL	13-7/8" W X 6-7/8" H X 3-1/2" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11857201DWCOMPACTTT1201	13W	BEDROOM/LIVING ROOM		
'BB'	CEILING	7-3/8" DIA. X5"H	SEAGULL LIGHTING/DEEP CONE SATIN NICKEL/11061AT-861-6"	13W	APT. FOYER	COMPACT FLUORESCENT BULB 97047-	
'CC'	CEILING	14" DIA	SEAGULL LIGHTING/6024-15 SINGLE LIGHT WHITE PENDANT/	8W	PUIBLIC HALL/LOBBY		7
'DD'	CEILING	88.25" L X 3" H X 3-1/2" D	CORONET INC./LSR SERIES/LSR-88"-1-54-NT-120	54W	KITCHEN		
'EE'	WALL	27" L X 5" W X 4" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11890-RE-120	17W	APT. BATHROOM.		
'FF'	CEILING	46.25" L X 3" W X 3-1/2" D	CORONET INC./LSR SERIES/LSR-44"-1-28-NT-120	28W	KITCHEN		
'GG'	CEILING	4" H X 5" W X 4 D	TCP ECOVATIONS/ GU24 CLOSET LIGHT/SPRING LAMPS/CL13	13W	WALK-IN CLOSET		
'A'	CEILING	4' L X 5-5/16" W X 3-1/2" H	CORONET INC / WELDED STRIP SERIES / WS-2-32-120-MS	32W T8	BOILER RM/ REFUSE & RECYCLE RM./ELECTRIC, WATER & GAS METER RM./MAINTENANCE OFC./JANITOR CLOSET		61
'B'	WALL	51-1/2" L X 11-1/4" W X 5-1/2" H	LIGHT CONCEPTS/ LITHONIA LIGHTING/ 10640-RE-17-120	17W T8	LAUNDRY		3
'C'	CEILING	48" L X 7-3/4" W X 2" H	CORONET INC./ECO SERIES/ECO-4FT-1-28W-PSE"-120-EMI-OP	28W	PUBLIC HALL		139
'D'	WALL	24" L X 8" H X 3.89" D	LAMAR LIGHTING/VO SERIES VOYAGER/VO-2-17-E8-120-	17W	STAIRS		34
'E'	CEILING	72" L X 4-1/2" W X 1-3/4" H	LITECONTROL/COVE-15 CC-AL-L15/ CC-AL-L15-06-MO-30K--120	59W	ELEVATORS LOBBY/LOBBY		33
'G'	CEILING	24" X 24"	CORONET INC./TSSW SERIES/TSSW-22-2-14W-T-120	14W T5	OFFICE/SECURITY OFC/LOUNGE/RECREATION RM.		12
'H'	WALL	18 L X 9" D X 7-1/4" H	LITHONIA LIGHTING/DECORATIVE WALL-MOUNTED LIGHT/WGR-MDU-S10-DNAT	26W	EXTERIOR WALLS/GREEN ROOF		13
'I'	WALL/FLOOR	9-3/8" L X 4-1/2" D X 3" H	PRESCOLITE/LED STEP LIGHTS/SLLED2-35-BZ-SLD12CMB	10W	EXTERIOR/GREEN ROOF		21
'J'	CEILING	13-5/8" DIA X 5-3/8" H	PROGRESS LIGHTING/COMPACT FLUORESCENT 1HOOP/ P5786-20EBWB-1-26WCFL	26W	EXTERIOR		4
'K'	WALL	72" L	DELRAY LIGHTING/ST9/11/ ST86221.11-6"-120 ST94128.411-A"-120	2-21 & 1-28	MAIL WALL		2
'L'	FLOOR	10" DIA X 7" H 2.6" DIA X 17" H	RAB LIGHTING/DOME TOP LAWN LIGHT / LLD35/IFS13 RAB LIGHTING/17" MIGHTYPOST/MPT17S	13W CFL	SIDE YARD	INSTALL ON MOUNTING STEM NO 1'-0" ABOVE GRADE, BLACK FINISH	4
'M'	CEILING	5" DIA X 6-5/8" H	DELRAY LIGHTING/CYLINDRO II/ 6705-CW-S-1	60W	LOBBY		1
'N'	WALL	6" DIA x 12" H X 8-7/8" D	PRESCOLITE/6"DIRECT LED WALL MOUNT CYLINDER/LDWLED30-W-30K-BZ	75 W	SIDEYARD WALL	UL-CUL WET LOCATION WITH TOP COVER	8
'O'	WALL	18"L X 12.5" D X 9" D	LITHONIA/WALL MOUNTED LIGHT/MRW/MRW-26DTT-M-120-DNAT	26	ROOF		4

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:

ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

TYPICAL (2-5) REFLECTED CEILING PLAN

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO, PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/8"=1'-0"

DRAWING #: A-109.00

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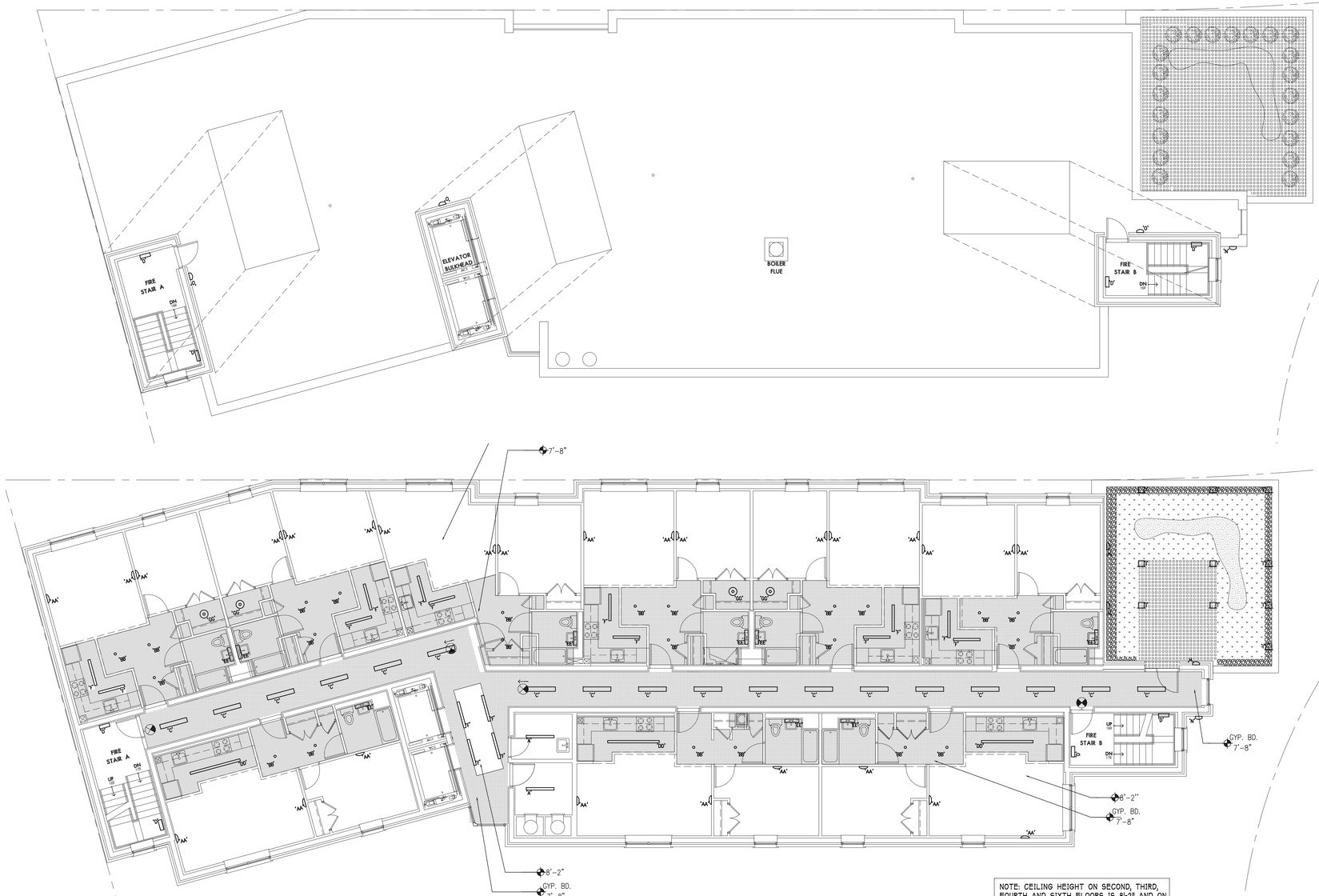

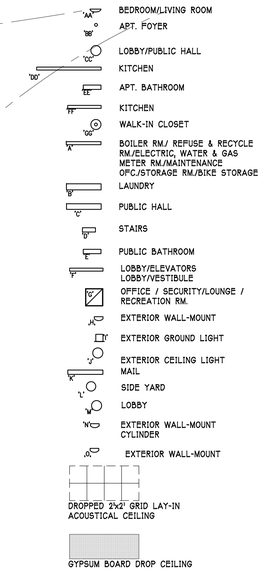

NOTE: CEILING HEIGHT ON SECOND, THIRD, FOURTH AND SIXTH FLOORS IS 8'-2" AND ON THE FIFTH FLOOR 9'-0".

LIGHT FIXTURE SCHEDULE

TYPE	MTG.	SIZE	MANUFACTURER/CATALOG NUMBER	WATT	LOCATION	REMARKS	NUMBER OF FIXTURES
'AA'	WALL	13-7/8" W X 6-7/8" H X 3-1/2" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11857121313WCOMPACTITT120	13W	BEDROOM/LIVING ROOM		
'BB'	CEILING	7-3/8" DIA X5"H	SEAGULL LIGHTING/DEEP CONE SATIN NICKEL/11D61AT-861-6"	13W	APT. FOYER	COMPACT FLUORESCENT BULB 97047-	
'CC'	CEILING	14" DIA	SEAGULL LIGHTING/6024-15 SINGLE LIGHT WHITE PENDANT/	8W	PUIBLIC HALL/LOBBY		7
'DD'	CEILING	88.25" L X 3" H X 3-1/2" D	CORONET INC./LSR SERIES/LSR-88*1-54-NT-120	54W	KITCHEN		
'EE'	WALL	27" L X 5" W X 4" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11880-RE-120	17W	APT. BATHROOM.		
'FF'	CEILING	46.25" L X 3" W X 3-1/2" D	CORONET INC./LSR SERIES/LSR-44*1-28-NT-120	28W	KITCHEN		
'GG'	CEILING	4" H X 5" W X 4 D	TCP ECOVATIONS/ GU24 CLOSET LIGHT/SPRING LAMPS/CL13	13W	WALK-IN CLOSET		
'A'	CEILING	4' L X 5-5/16" W X 3-1/2" H	CORONET INC / WELDED STRIP SERIES / WS-2-32-120-MS	32W T8	BOILER RM/ REFUSE & RECYCLE RM/ELECTRIC, WATER & GAS METER RM./MAINTENANCE OFC./JANITOR CLOSET		61
'B'	WALL	51-1/2" L X 11-1/4" W X 5-1/2" H	LIGHT CONCEPTS/ LITHONIA LIGHTING/ 10640-RE-17-120	17W T8	LAUNDRY		3
'C'	CEILING	48" L X 7-3/4" W X 2" H	CORONET INC./ECO SERIES/ECO-4FT-1-28W-PS6*-120-EMI-OP	28W	PUBLIC HALL		139
'D'	WALL	24" L X 8" H X 3.89" D	LAMAR LIGHTING/VO SERIES VOYAGER/VO-2-17-E8-120-	17W	STAIRS		34
'E'	CEILING	72" L X 4-1/2" W X 1-3/4" H	LITECONTROL/COVE-15 CC-AL-L15/ CC-AL-L15-06-MO-30K--120	59W	ELEVATORS LOBBY/LOBBY		33
'G'	CEILING	24" X 24"	CORONET INC./TSSW SERIES/TSSW-22-2-14W-T-120	14W T5	OFFICE/SECURITY OFC/LOUNGE/RECREATION RM.		12
'H'	WALL	18 L X 8" D X 7-1/4" H	LITHONIA LIGHTING/DECORATIVE WALL-MOUNTED LIGHT./WSR-MDU-120-DNAT	26W	EXTERIOR WALLS/GREEN ROOF		13
'I'	WALL/FLOOR	9-3/8" L X 4-1/2" D X 3" H	PRESCOLITE/LED STEP LIGHTS/SLLED2-35-BZ-SLD12CMB	10W	EXTERIOR/GREEN ROOF		21
'J'	CEILING	13-5/8" DIA X 5-3/8" H	PROGRESS LIGHTING/COMPACT FLUORESCENT 'HOOP/ P5786-20EBWB-1-26WCFL	26W	EXTERIOR		4
'K'	WALL	72" L	DELRAY LIGHTING/ST9/11/ ST9622L311-6"-120 ST9428.411-4-120	2-21 & 1-28	MAIL WALL		2
'L'	FLOOR	10" DIA X 7" H 2.6" DIA X 17" H	RAB LIGHTING/DOME TOP LAWN LIGHT / LLD35B/PS13 RAB LIGHTING/17" MIGHTYPOST/MP17B	13W CFL	SIDE YARD	INSTALL ON MOUNTING STEM N@ 1'-0" ABOVE GRADE, BLACK FINISH	4
'M'	CEILING	5" DIA X 6-5/8" H	DELRAY LIGHTING/CYLINDRO II/ 6705-CW-S-1	60W	LOBBY		1
'N'	WALL	6" DIA x 12" H X 8-7/8" D	PRESCOLITE/6PDIRECT LED WALL MOUNT CYLINDER/LDLED30-W-35K-SZ	75 W	SIDEYARD WALL	UL-CUL WET LOCATION WITH TOP COVER	9
'O'	WALL	18"L X 12.5" D X 9" D	LITHONIA/WALL MOUNTED LIGHT/MRW/MRW-26DTT-M-120-DNAT	26	ROOF		4

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:

ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

SIXTH FLOOR
REFLECTED CEILING PLAN

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO P.C.
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/8"=1'-0"

DRAWING #: A-110.00

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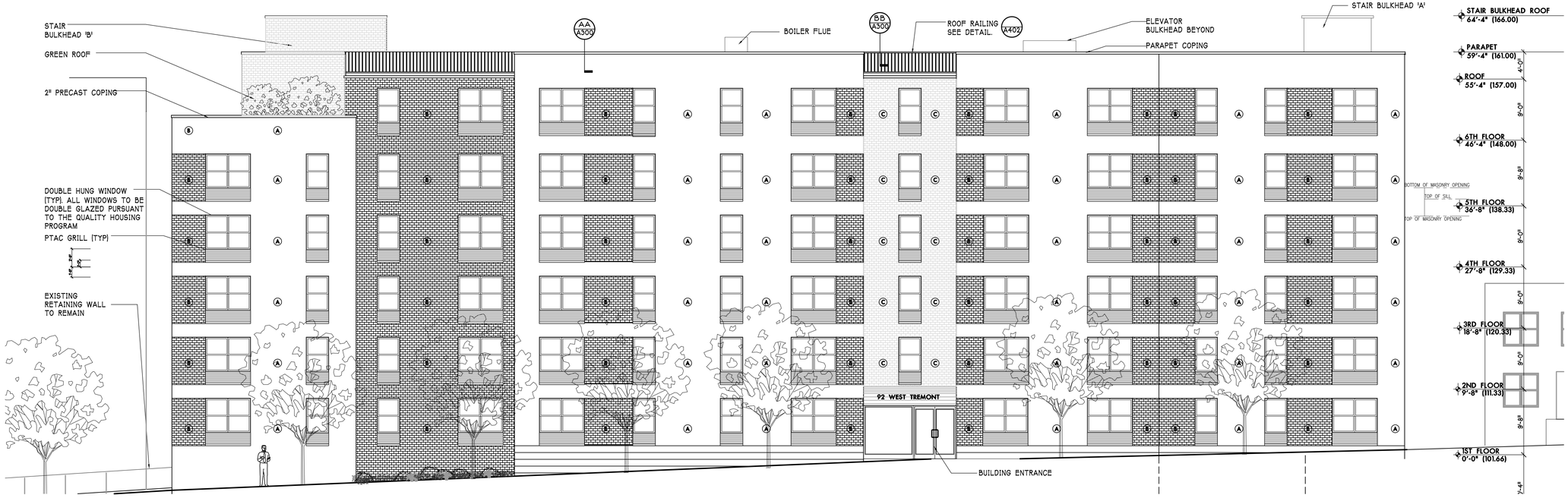
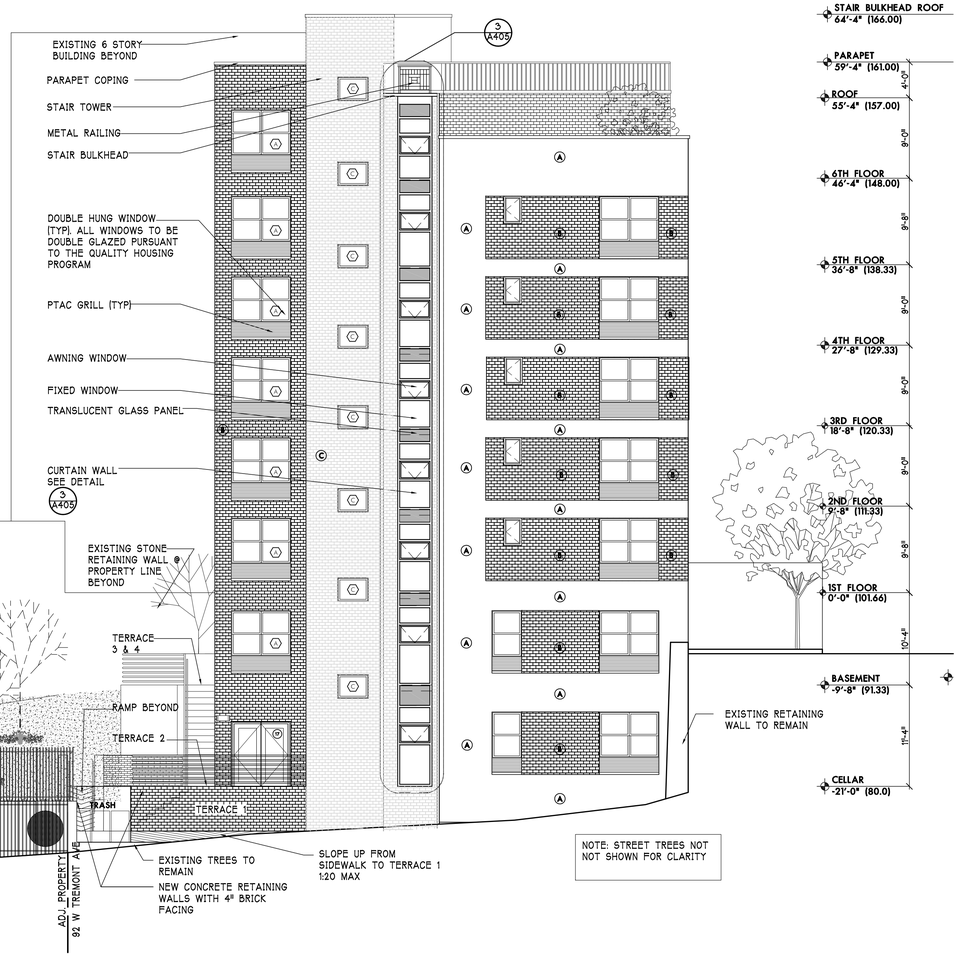


LEGEND	
CAST STONE: ROCK CAST WHEATSTONE GP-A	① COPING STONE CO-300 ② MASONRY STONE - SILLS SL-225 STANDARD LENGTH 24"
BRICK: BELDEN	Ⓐ YELLOW BRICK - 481-483 SMOOTH A Ⓑ GREY BROWN BRICK - 661 SMOOTH A Ⓒ ORANGE BRICK - 470-478 LIGHT
MORTAR	SPEC MIX KHAKI C788-N



NOTE: STREET TREES NOT NOT SHOWN FOR CLARITY

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
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DRAWING TITLE:
WEST TREMONT ELEVATION
W 177TH ST ELEVATION

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

JOB #: 09J06

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SCALE: 1/8"=1'-0"

DRAWING #: A-200.00

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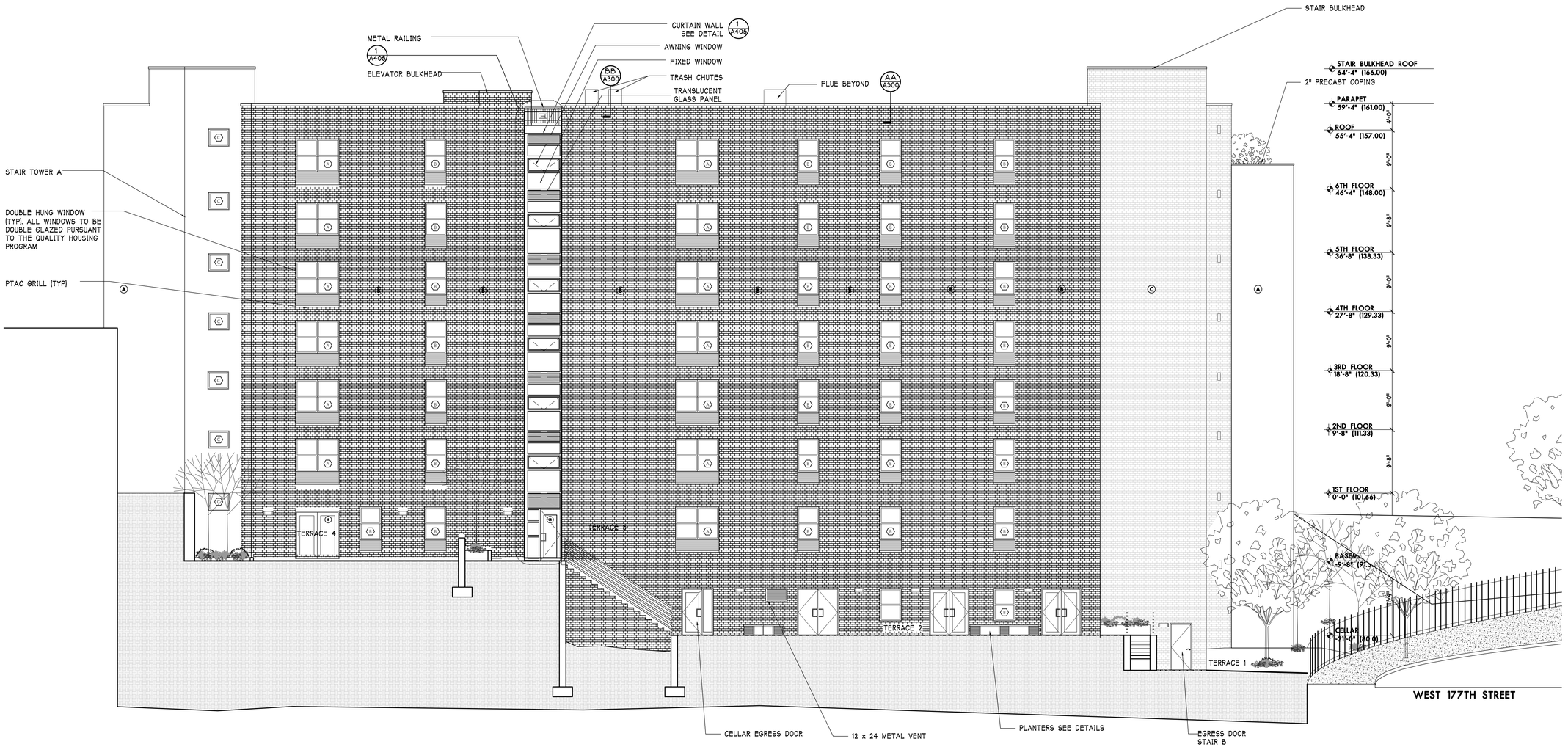

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
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DRAWING TITLE:

EAST ELEVATION

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO PC
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WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

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A-201.00

PAGE #:

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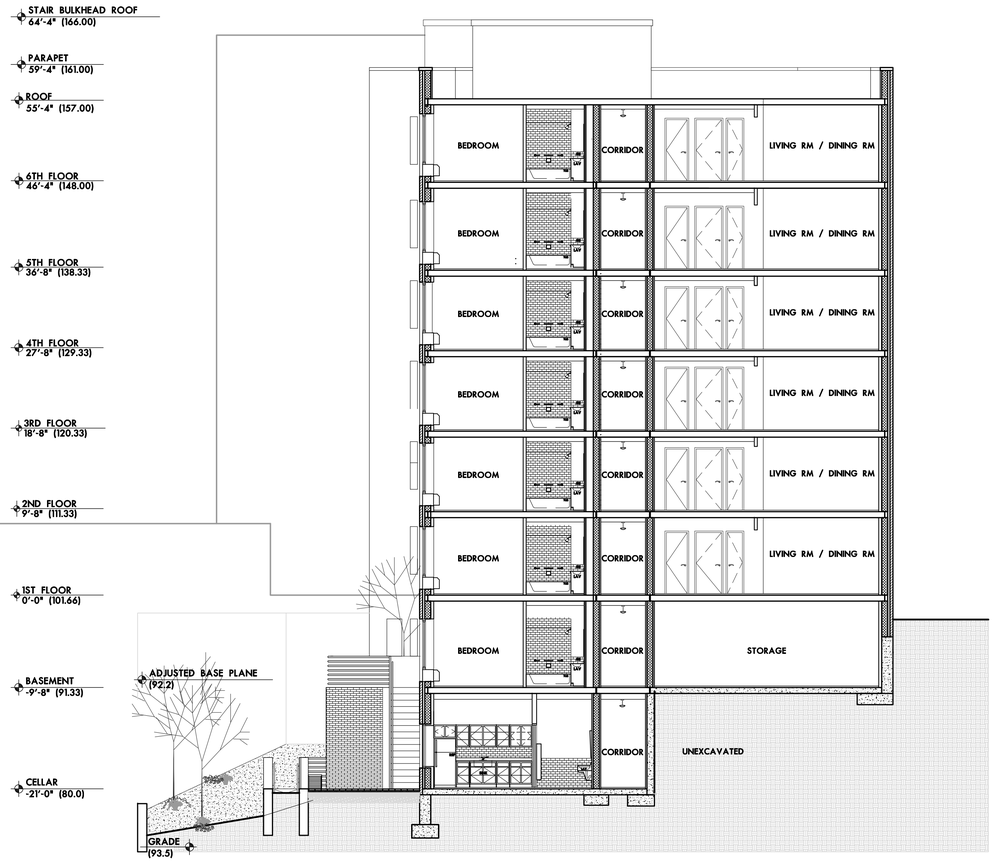

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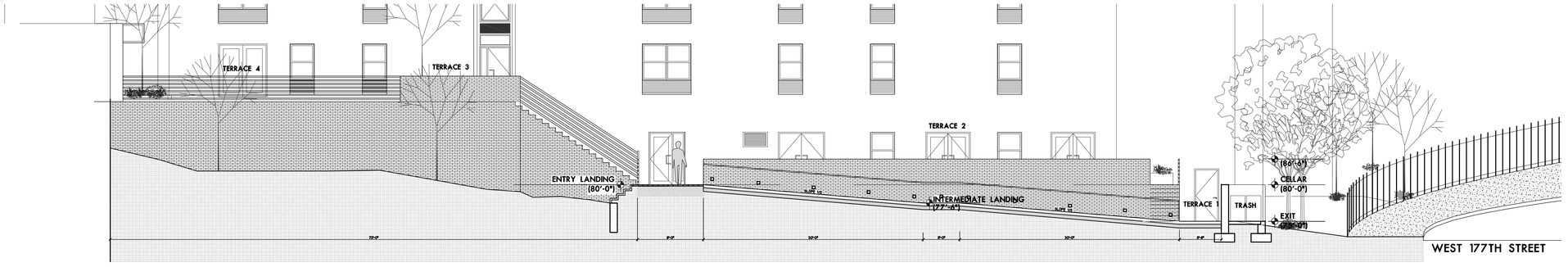
2 SECTION 'BB' 1/8"=1'-0"



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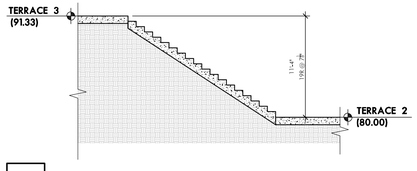

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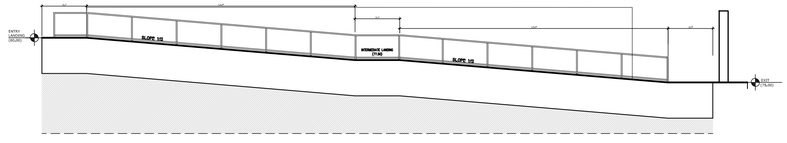

5 RAMP SECTION 1/8"=1'-0

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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DRAWING TITLE:

SECTIONS

ARCHITECT:
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203 LAFAYETTE STREET 5TH FL
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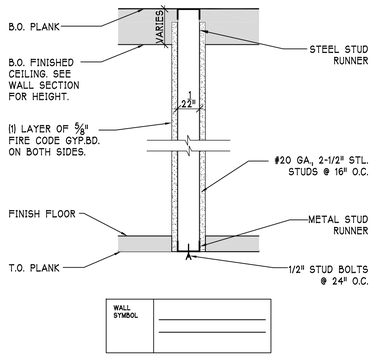
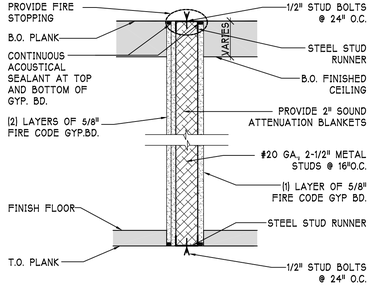


WALL SYMBOL	

3 METAL STUD PARTITION (NON-BEARING)

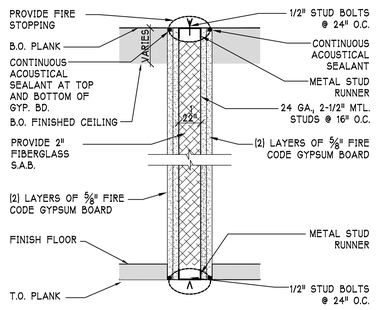
SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	1 HOUR
BSA#	#453-73SM
S.T.C.	50

4 METAL STUD PARTITION (NON-BEARING)

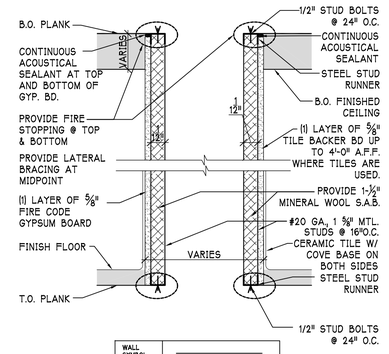
SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	2 HOUR
BSA#	#301-60-SM
S.T.C.	--

5 METAL STUD PARTITION (NON BEARING)

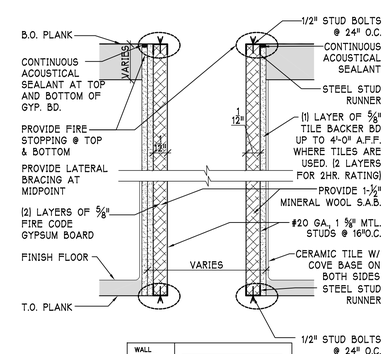
SCALE 1-½"=1'-0"



WALL SYMBOL	

6 METAL STUD CHASE WALL

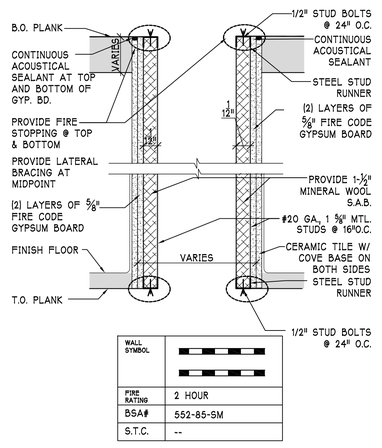
SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	1 HOUR
BSA#	553-85-SM
S.T.C.	50

7 METAL STUD CHASE WALL 1 HR. RATED

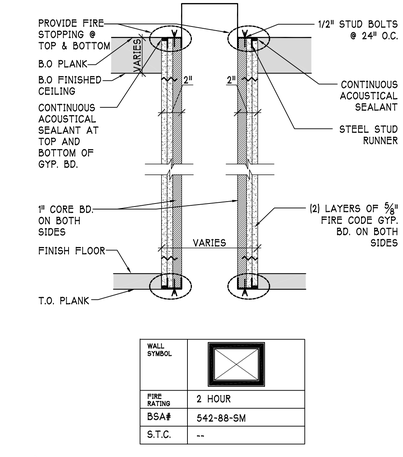
SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	2 HOUR
BSA#	552-85-SM
S.T.C.	--

8 METAL STUD CHASE WALL 2 HR. RATED

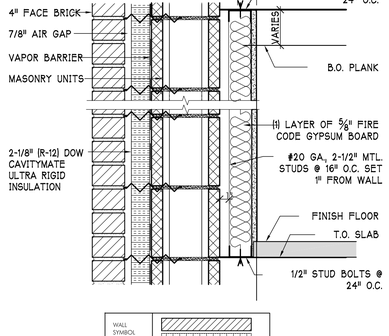
SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	2 HOUR
BSA#	542-88-SM
S.T.C.	--

9 METAL STUD SHAFT WALL

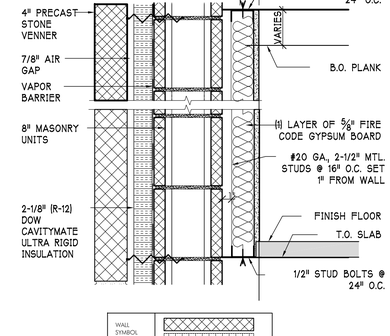
SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	3 HOUR

10 INTERIOR MASONRY 100% SOLID WALL

SCALE 1-½"=1'-0"



WALL SYMBOL	
FIRE RATING	
STC RATING	66
FIRE TEST #	MEA# 1-74-M

11 EXTERIOR MASONRY WALL

SCALE 1-½"=1'-0"

WALL SYMBOL	
FIRE RATING	3 HOUR
STC RATING	66
FIRE TEST #	MEA# 1-74-M

12 EXTERIOR MASONRY WALL W/ PRECAST

SCALE 1-½"=1'-0"

WALL SYMBOL	
FIRE RATING	2 HOUR
MEA#	439-70-SM
S.T.C.	--

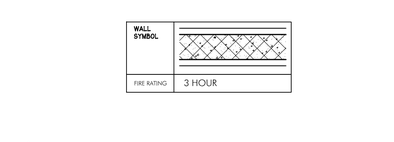
13 EXTERIOR METAL STUD WALL

SCALE 1-½"=1'-0"

WALL SYMBOL	
FIRE RATING	2 HOUR
MEA#	1-74-M
S.T.C.	--

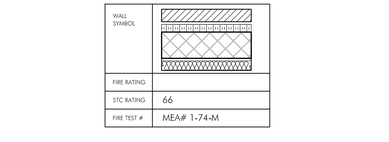
14 EXTERIOR MASONRY WALL W/ STUCCO

SCALE 1-½"=1'-0"



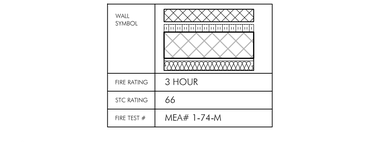
15 WOOD FLOOR

SCALE 1-½"=1'-0"



16 CARPET/RUBBER FLOOR

SCALE 1-½"=1'-0"



17 PORCELAIN TILE FLOOR

SCALE 1-½"=1'-0"

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

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2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

PARTITION DETAILS

ARCHITECT:

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DATE: 05/18/2012

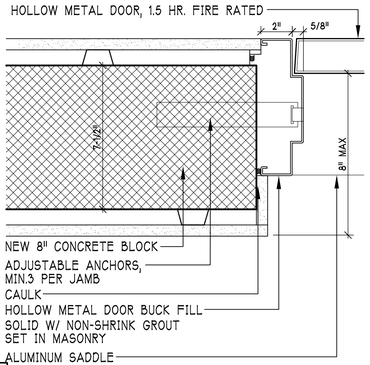
JOB #: 09J06

DRAWN BY: key/am

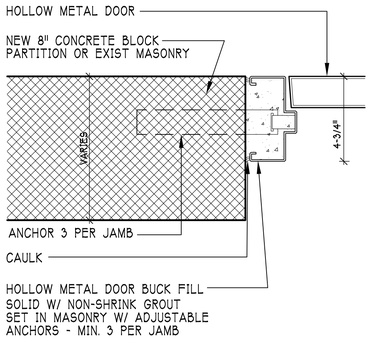
SCALE: AS NOTED

DRAWING #: A-400.00

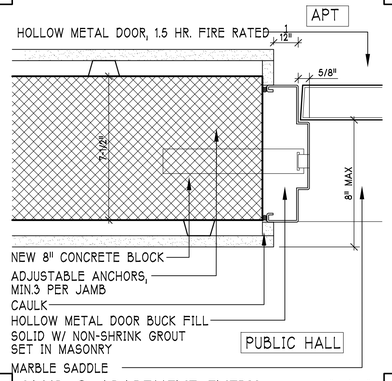
PAGE #: 220177350



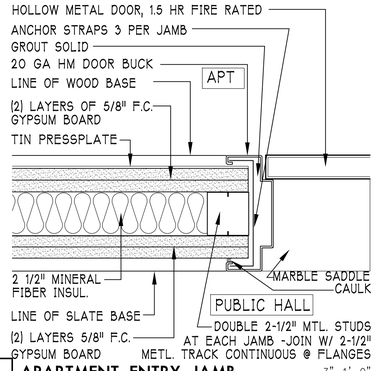
1 JAMB @ PUBLIC STAIRS 3"=1'-0"



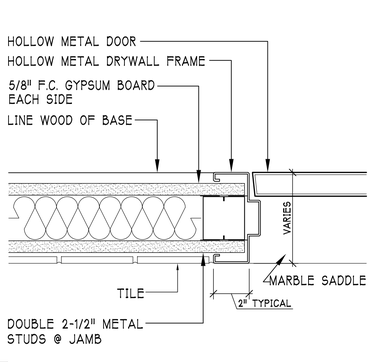
2 JAMB @ MASONRY WALL 3"=1'-0"



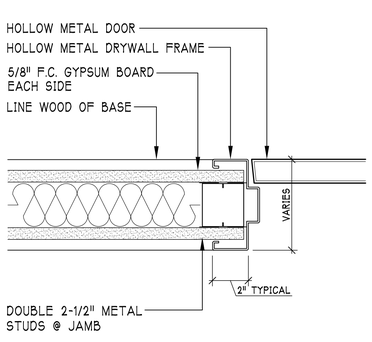
3 JAMB @ APARTMENT ENTRY @ MASONRY WALL 3"=1'-0"



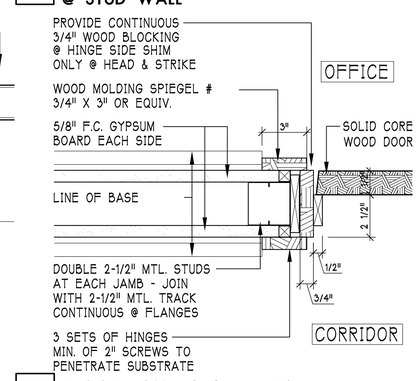
4 APARTMENT ENTRY JAMB STUD WALL 3"=1'-0"



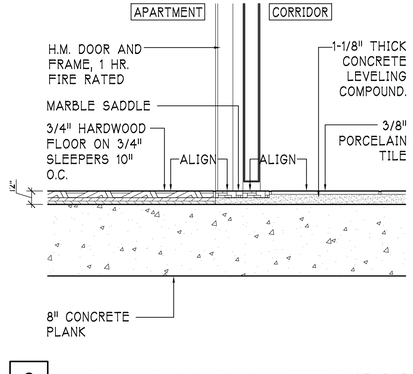
5 JAMB @ PUBLIC BATHROOM 3"=1'-0"



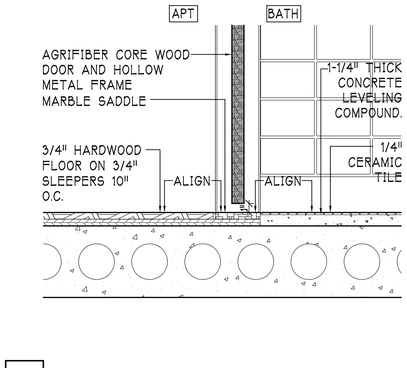
6 HOLLOW METAL JAMB @ STUD WALL 3"=1'-0"



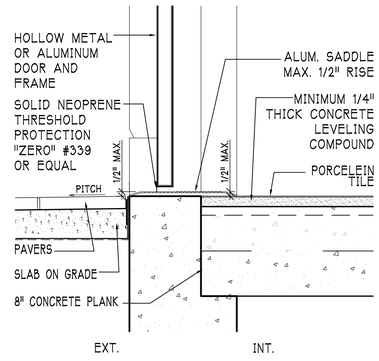
7 WOOD JAMB @ STUD WALL 3"=1'-0"



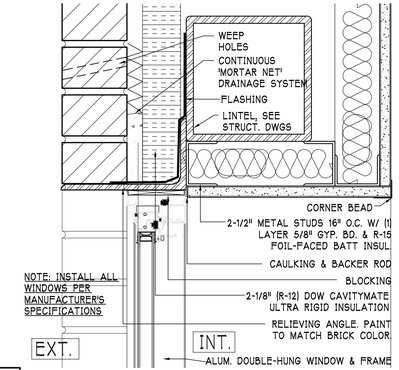
8 APT. ENTRY DOOR SADDLE 1-1/2"=1'-0"



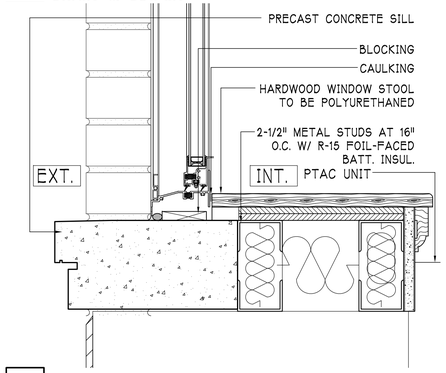
9 SADDLE @ PRIVATE BATHS 1-1/2"=1'-0"



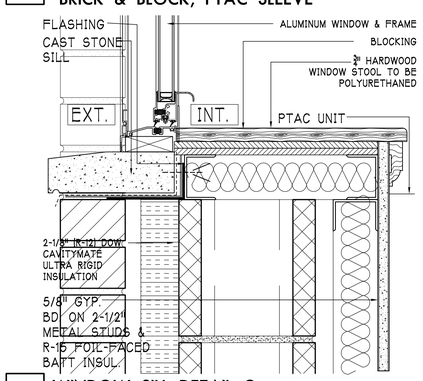
10 EXTERIOR DOOR SADDLE 1-1/2"=1'-0"



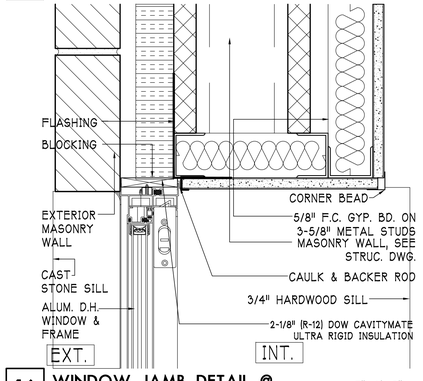
13 WINDOW HEAD DETAIL @ BRICK & BLOCK 3"=1'-0"



14 WINDOW HEAD DETAIL @ BRICK & BLOCK, PTAC SLEEVE 3"=1'-0"



15 WINDOW SILL DETAIL @ 3"=1'-0"



16 WINDOW JAMB DETAIL @ TYPICAL MASONRY WALL 3"=1'-0"

PROMESA

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3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

DOOR & WINDOW DETAILS

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
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DATE: 05/18/2012

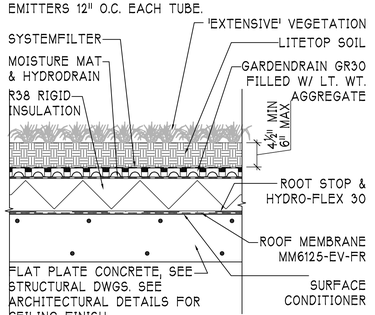
JOB #: 09J06

DRAWN BY: key/am

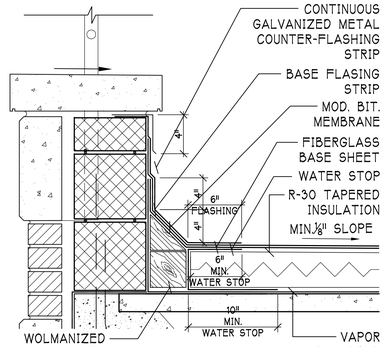
SCALE: AS NOTED

DRAWING #: A-401.00

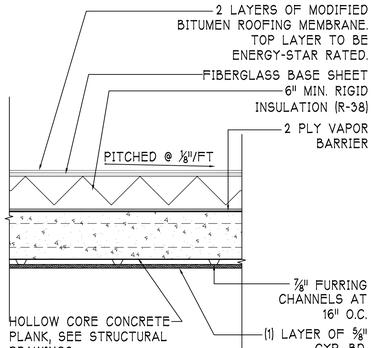
PAGE #: 220177350



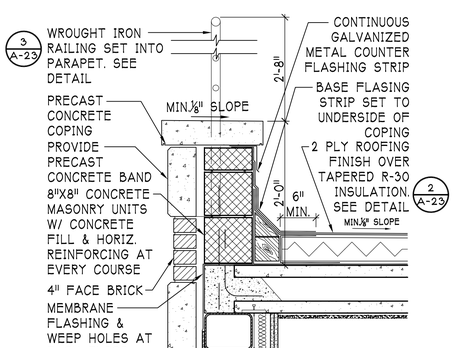
1 'EXTENSIVE' GREEN ROOF SYSTEM AT 1ST AND 2ND FLOOR 1"=1'-0"



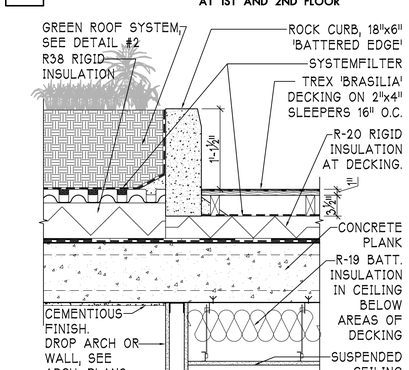
2 TYPICAL ROOF PERIMETER FLASHING 1-1/2"=1'-0"



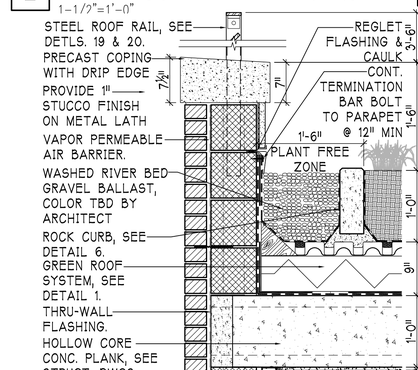
3 ENERGY-STAR RATED ROOF 1"=1'-0"



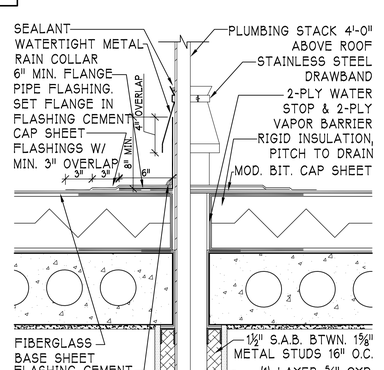
4 PARAPET DETAIL 1"=1'-0



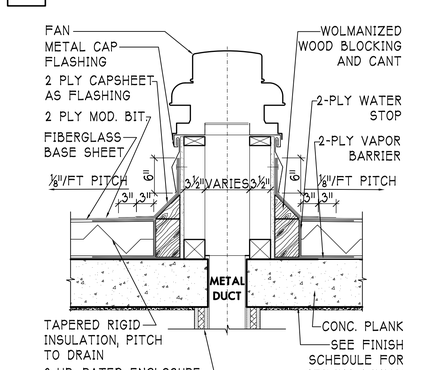
6 CURB @ GREEN ROOF SYSTEM 1"=1'-0"



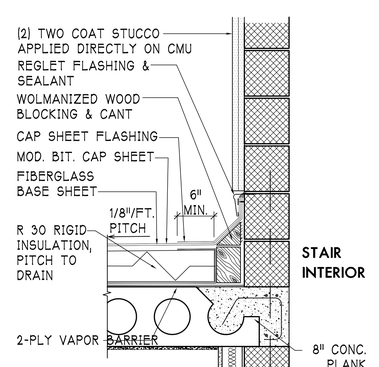
7 FLASHING @ GREEN ROOF PARAPET 1"=1'-0"
'INTENSIVE'



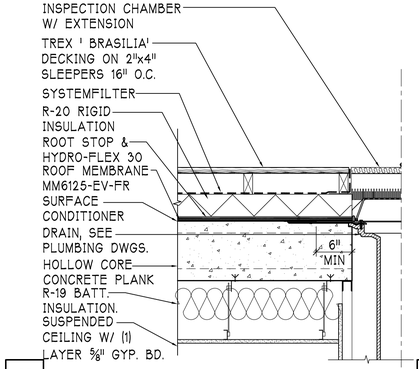
8 PIPE PENETRATION @ ROOF 1-1/2"=1'-0



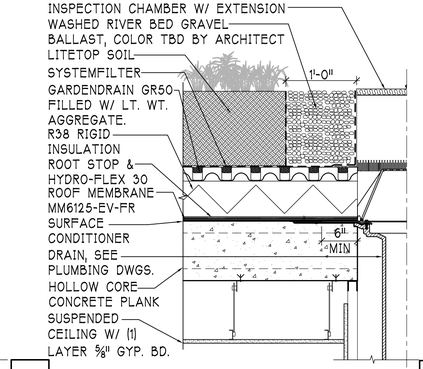
9 FLASHING DETAIL @ ROOF FANS 1"=1'-0



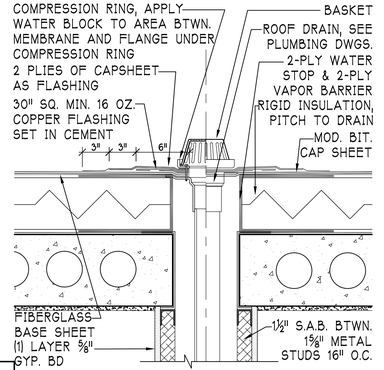
10 FLASHING @ BASE OF STAIR BULKHEAD 1"=1'-0"



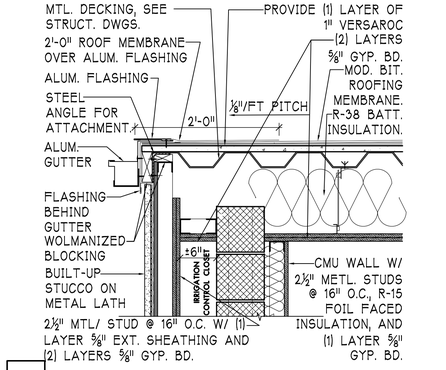
11 GREEN ROOF DRAIN AT DECKING 1"=1'-0"



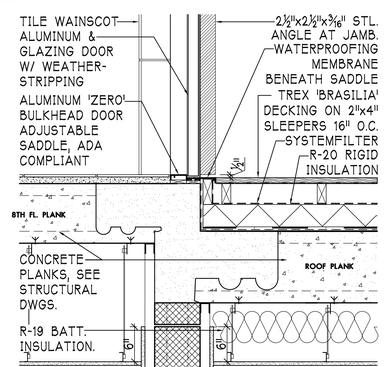
12 GREEN ROOF DRAIN DETAIL AT 1ST & 6TH FLOOR 1"=1'-0"



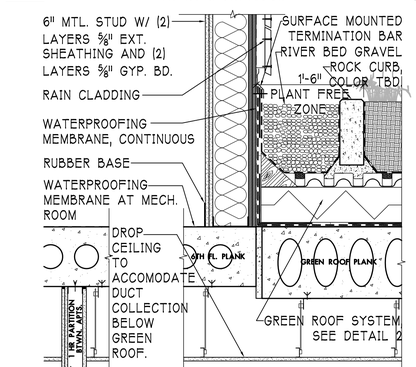
13 ROOF DRAIN @ 8TH FLOOR ROOF - EAST 1-1/2"=1'-0



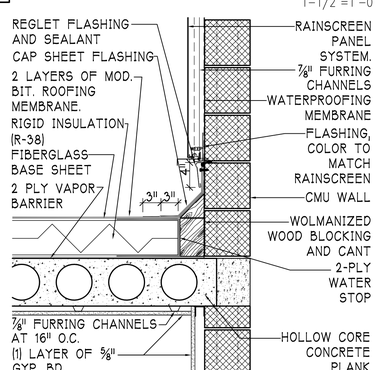
14 GUTTER @ BULKHEAD ROOF AT FIRE STAIR #2 1"=1'-0"



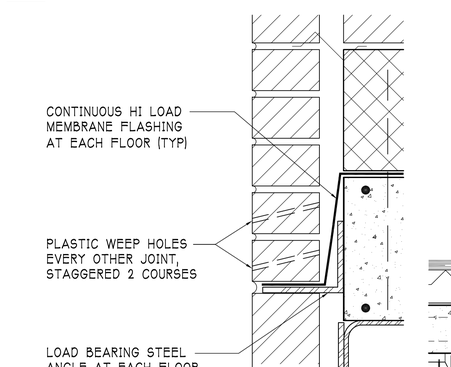
16 FLASHING @ BULKHEAD DOOR 1"=1'-0
GREEN ROOF



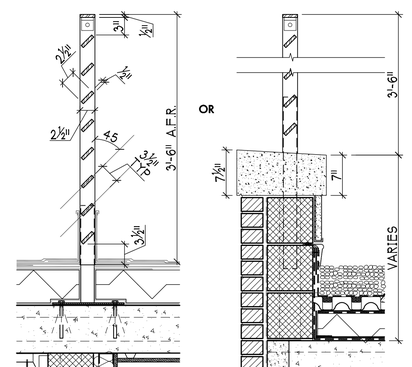
17 WALL FLASHING & GREEN ROOF AT 6TH FLOOR 1"=1'-0"



18 FLASHING @ METAL RAINSCREEN 1"=1'-0"



19 TYPICAL FLASHING DETAIL



20 SECTION AT ROOF RAILING 1"=1'-0"

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NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

ROOF DETAILS

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NEW YORK CITY NEW YORK 10012
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DATE: 05/18/2012

JOB #: 09J06

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SCALE: AS NOTED

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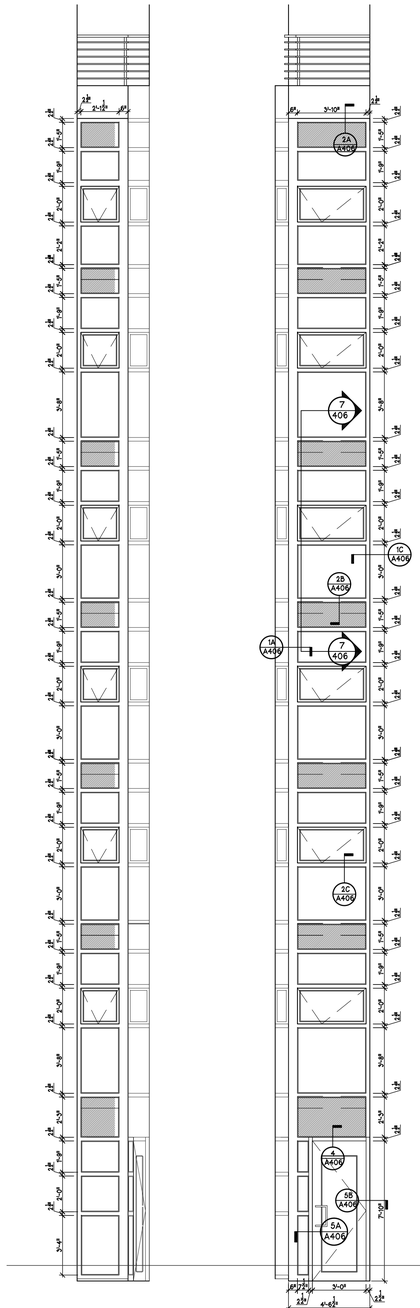
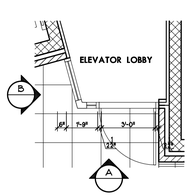
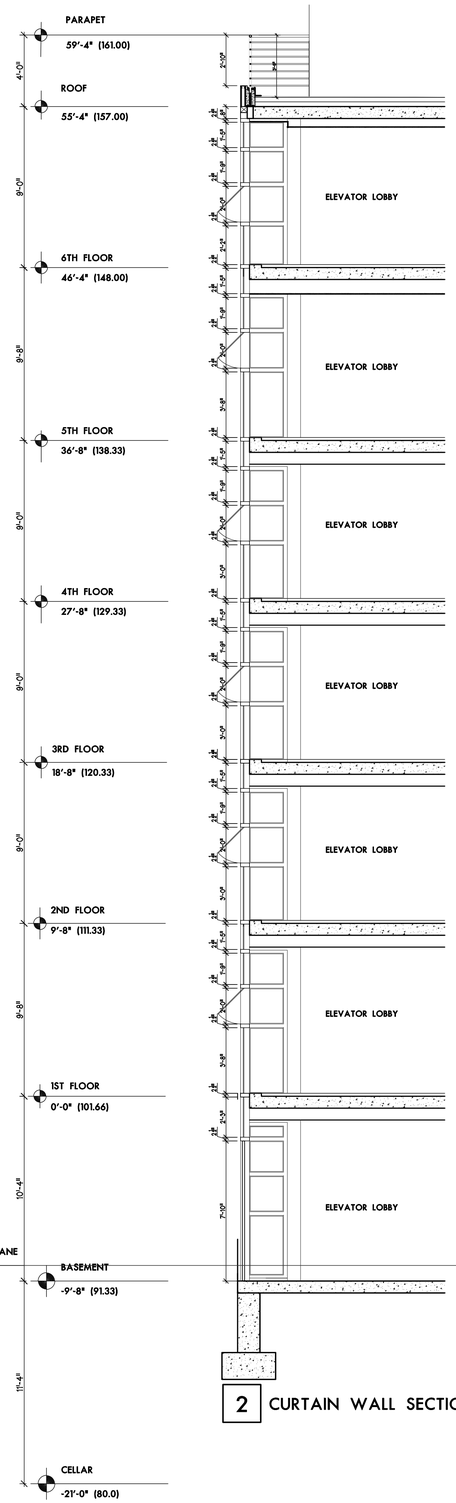
PAGE #: 220177350

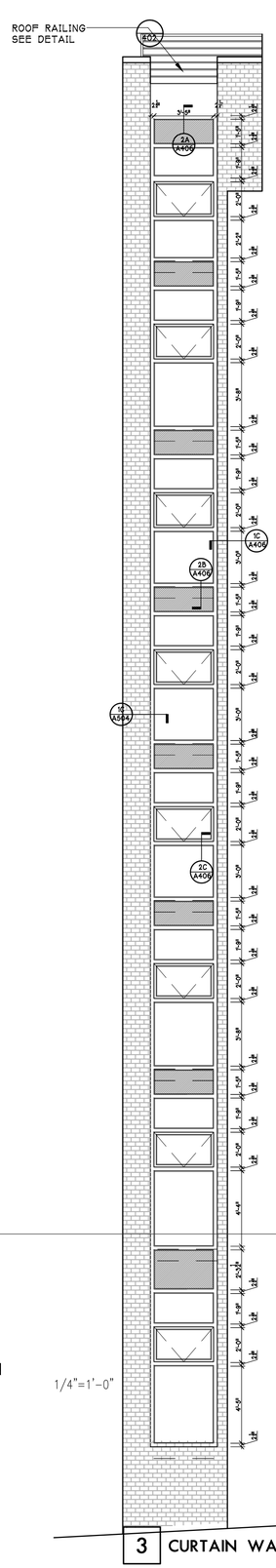


1 ELEVATIONs 'A' & 'B'
1/4"=1'-0"

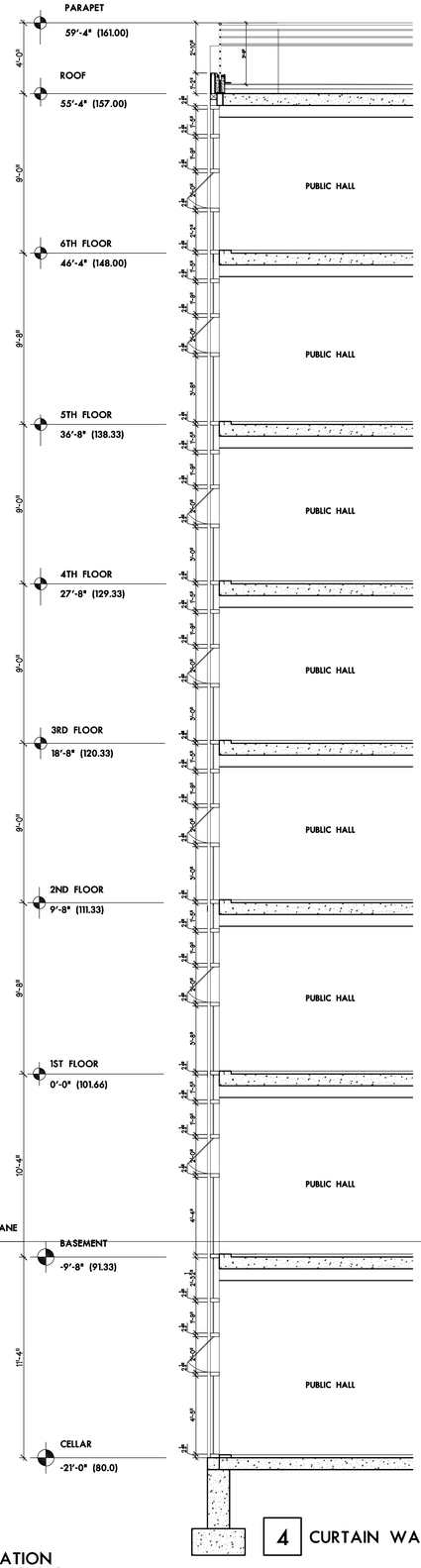




2 CURTAIN WALL SECTION



3 CURTAIN WALL EXTERIOR ELEVATION
1/4"=1'-0"



4 CURTAIN WALL SECTION
1/4"=1'-0"

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
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DRAWING TITLE:
CURTAIN WALL ELEVATIONS & SECTION

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DATE:
05/18/2012

JOB #:
09J06

DRAWN BY:
key/am

SCALE:
1/8"=1'-0"

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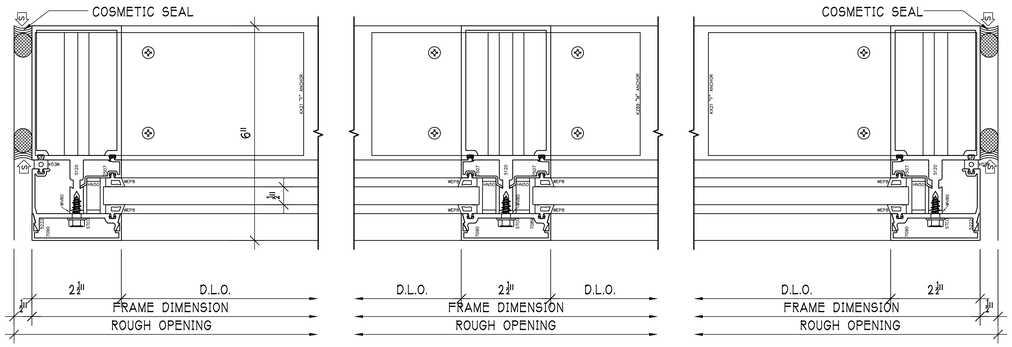
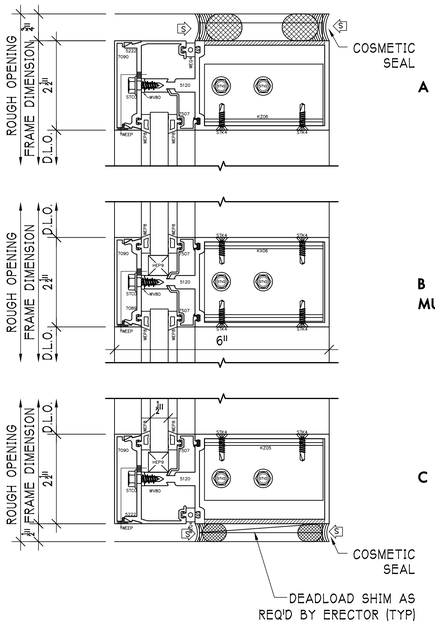
A-403.00

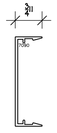
PAGE #:
220177350



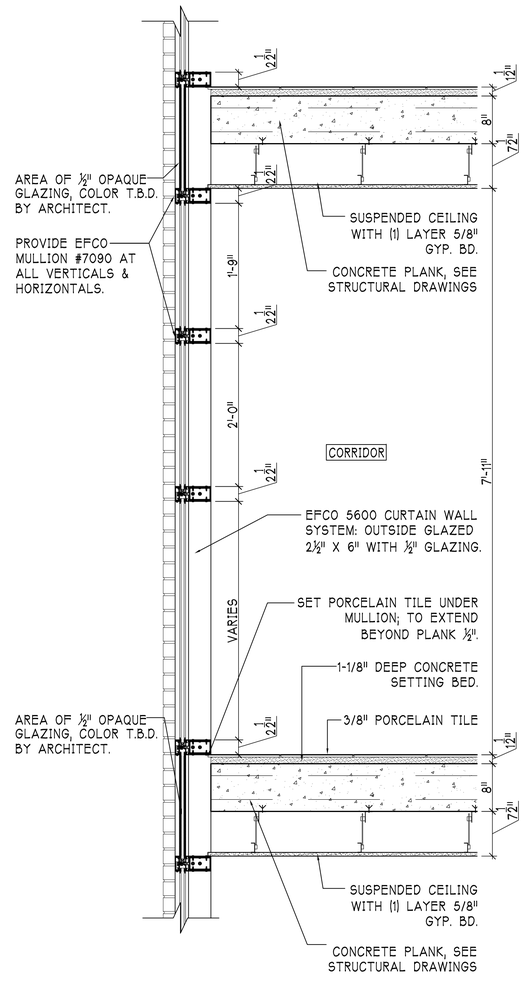
1 OUTSIDE GLAZED JAMB & VERTICAL MULLION DETAIL
6"=1'-0"



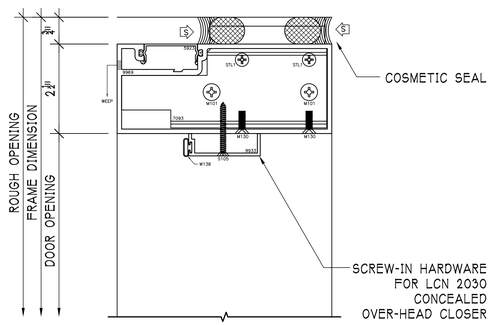
2 OUTSIDE GLAZED HEAD, SILL & HORIZONTAL MULLION DETAIL
6"=1'-0"



3 MULLION PROFILE #7090
6"=1'-0"



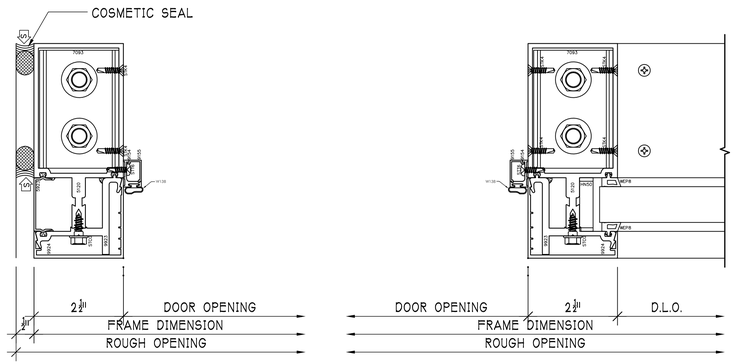
7 CURTAIN WALL SECTION 1"=1'-0"



4 OUTSIDE GLAZED DOOR HEAD DETAIL
6"=1'-0"

A - JAMB @ WALL

B - JAMB @ WINDOW



5 OUTSIDE GLAZED DOOR JAMBS
6"=1'-0"

PROMESA

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PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

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DRAWING TITLE:
CURTAIN WALL
SECTIONS & DETAILS

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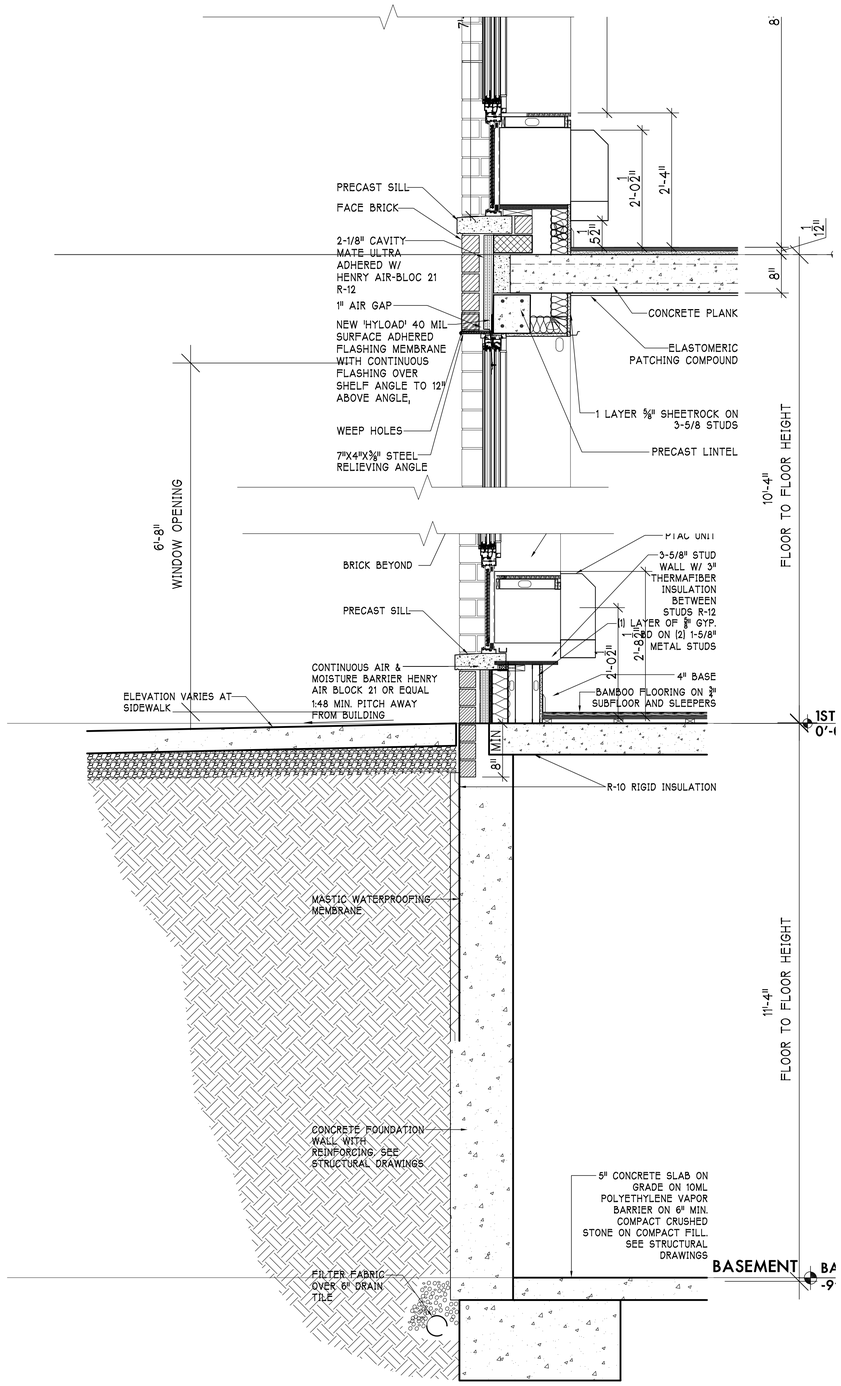
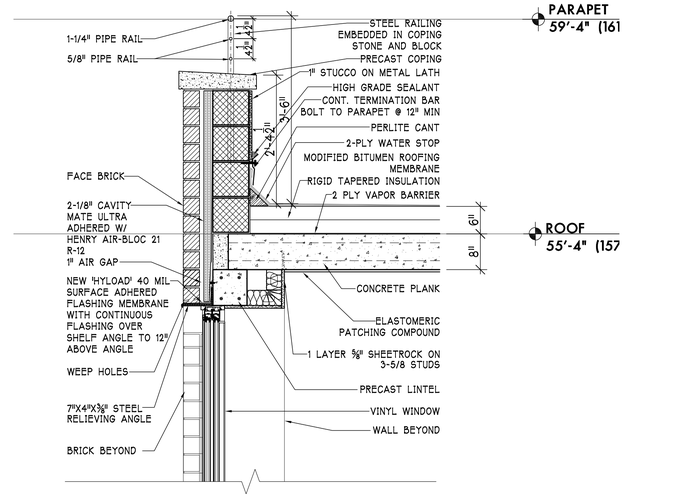
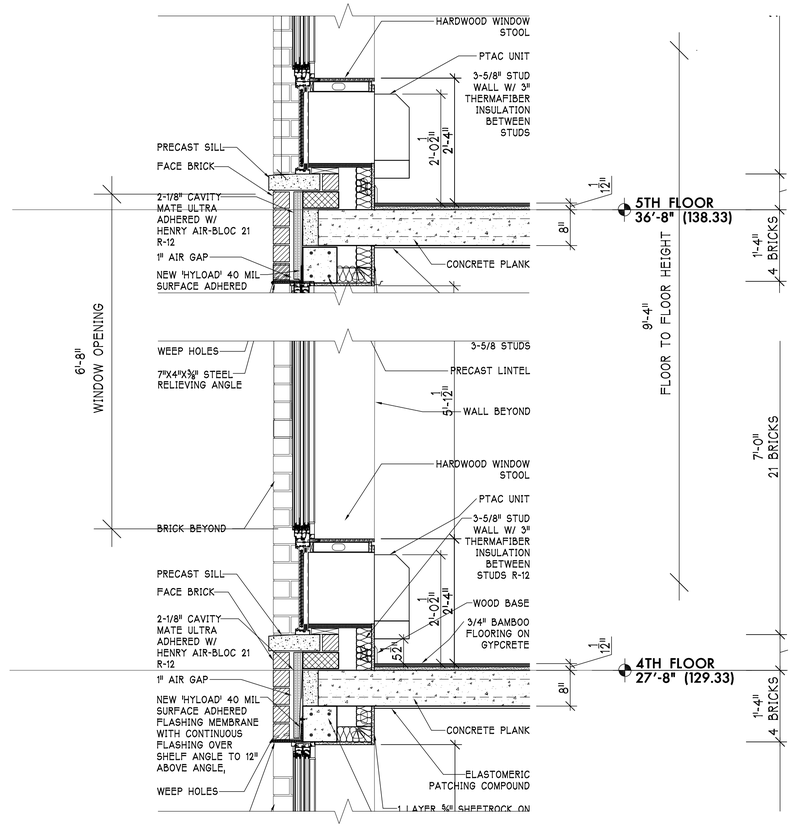
220177350







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DRAWING TITLE:

TYPICAL WALL SECTION

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JOB #: 09J06

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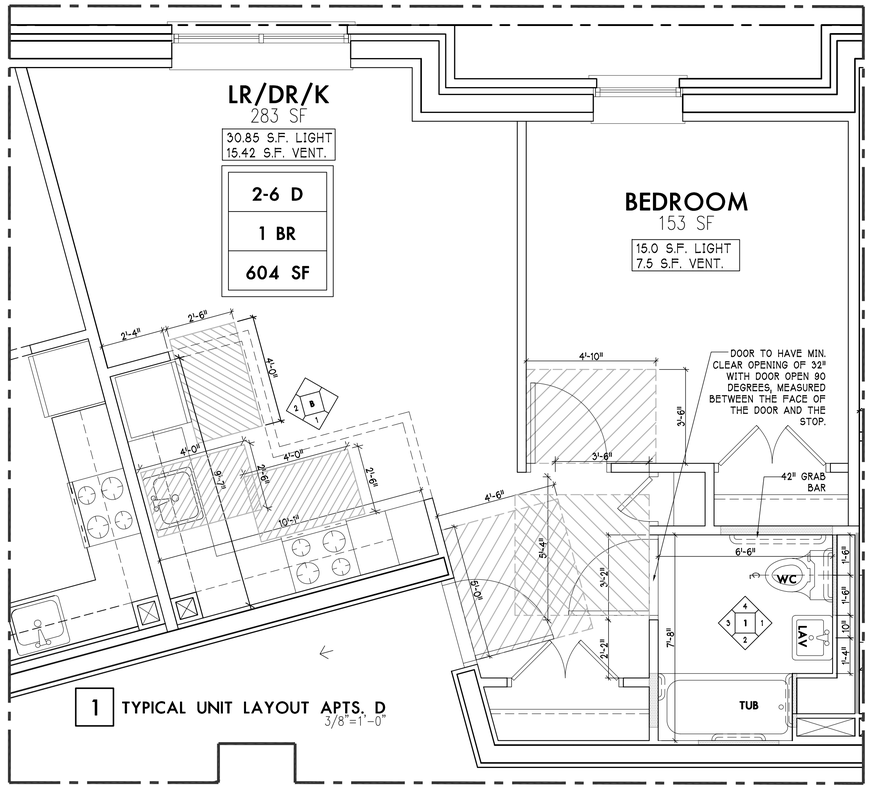
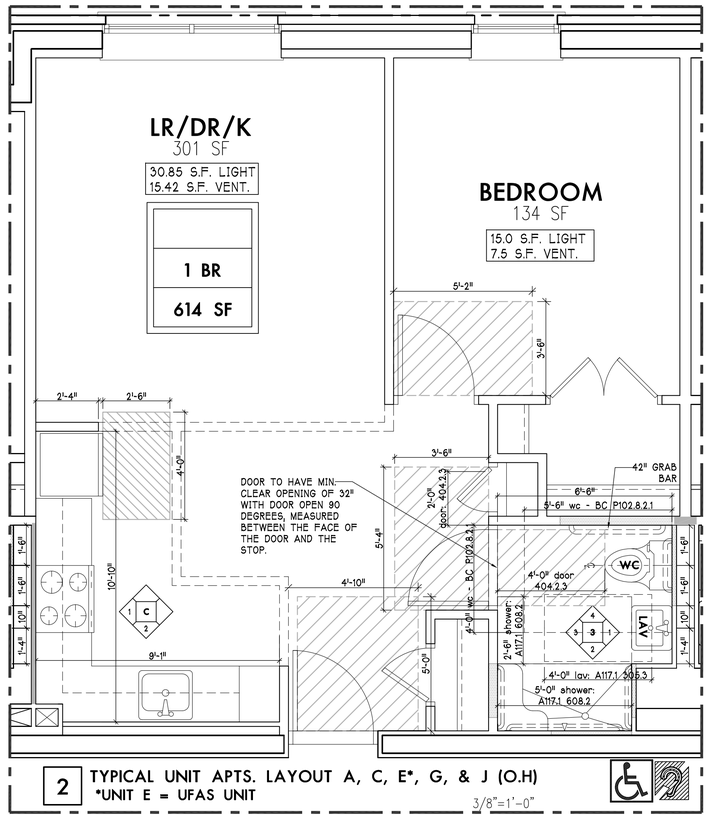
SCALE: 3/4"=1'-0"

DRAWING #: A-405.00

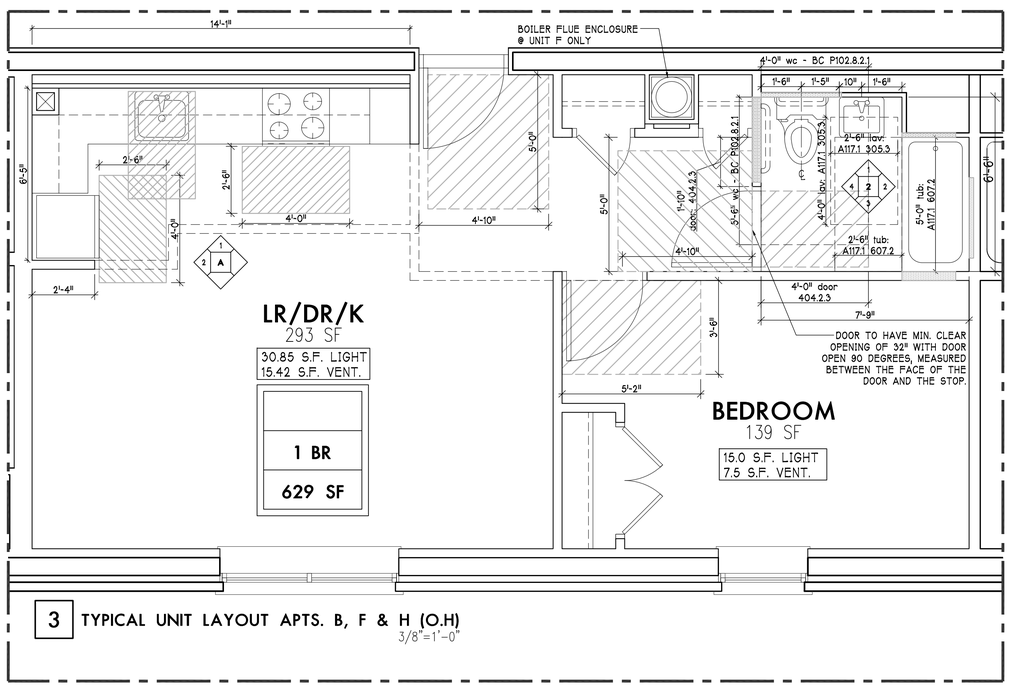
PAGE #: 220177350



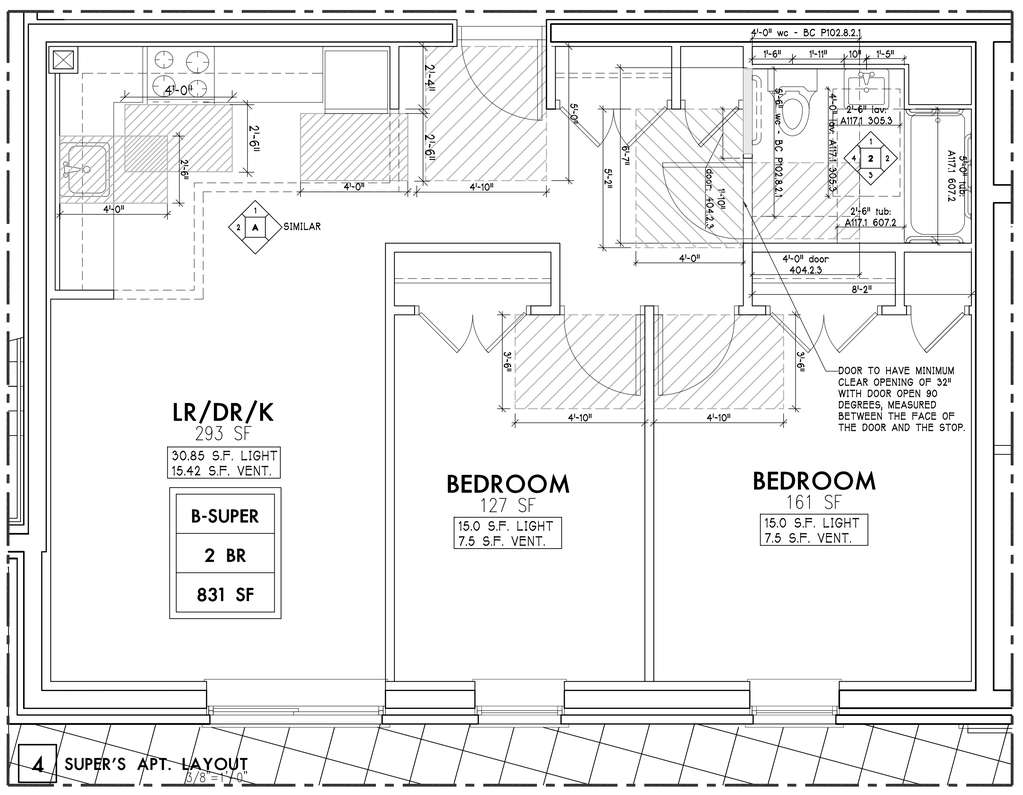
1 TYPICAL UNIT LAYOUT APTS. D
3/8"=1'-0"



2 TYPICAL UNIT APTS. LAYOUT A, C, E*, G, & J (O.H)
*UNIT E = UFAS UNIT
3/8"=1'-0"



3 TYPICAL UNIT LAYOUT APTS. B, F & H (O.H)
3/8"=1'-0"



4 SUPER'S APT. LAYOUT
3/8"=1'-0"

*1-E UFAS UNIT
*2-J VISION/HEARING IMPARED
*3-G UFAS UNIT
*4-F VISION & HEARING IMPARED
*5-C UFAS UNIT
*6-A UFAS UNIT

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DRAWING TITLE:

TYPICAL UNIT LAYOUTS WITH CLEARANCES

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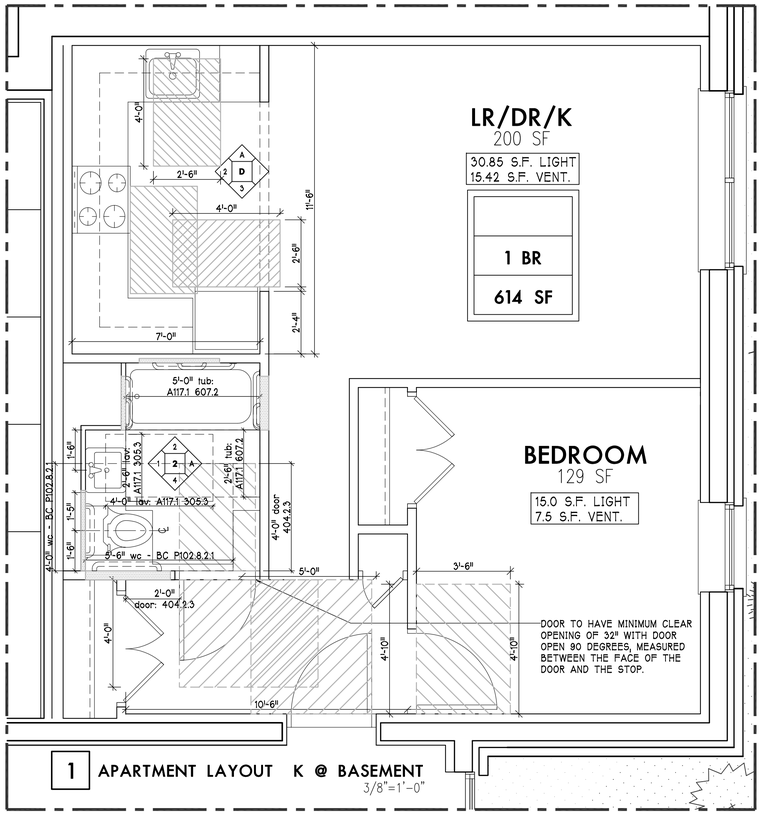
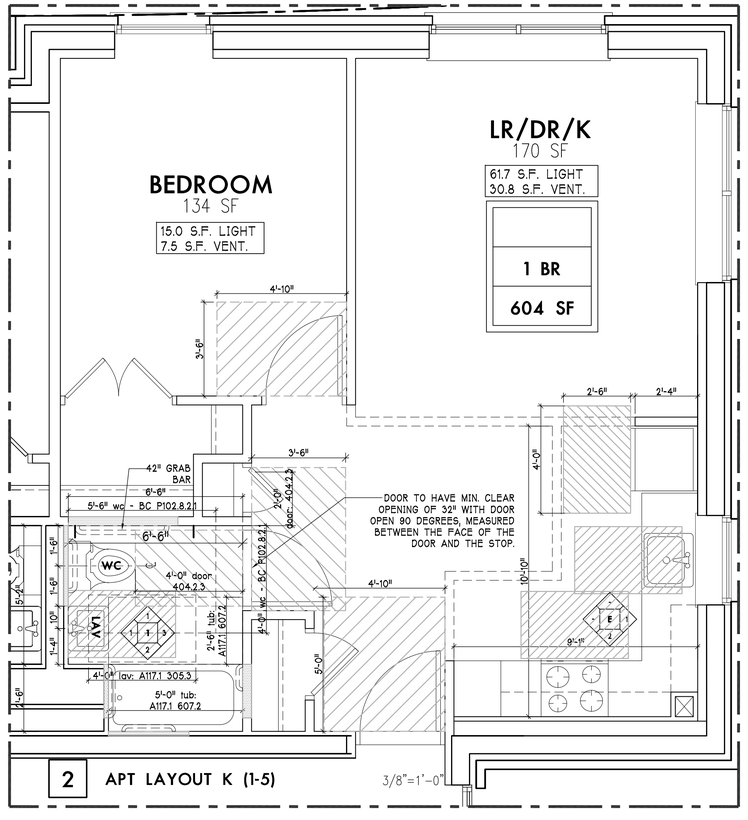
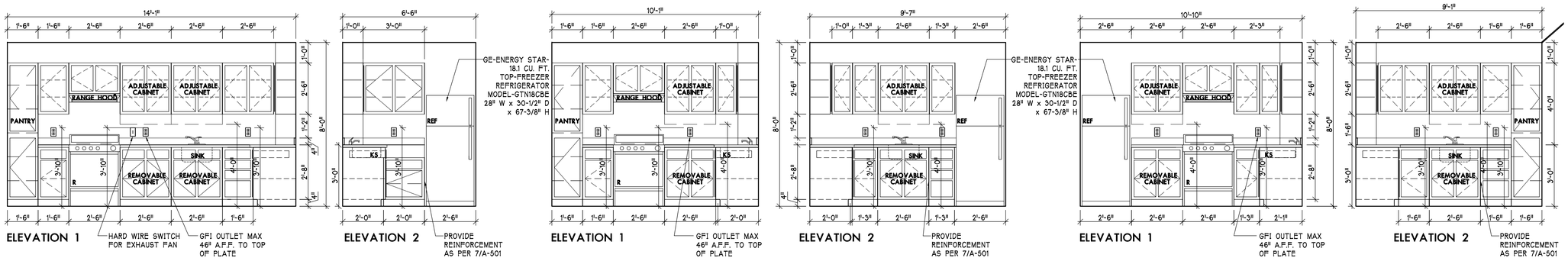


1 APARTMENT LAYOUT K @ BASEMENT
3/8"=1'-0"



2 APT LAYOUT K (1-5)
3/8"=1'-0"

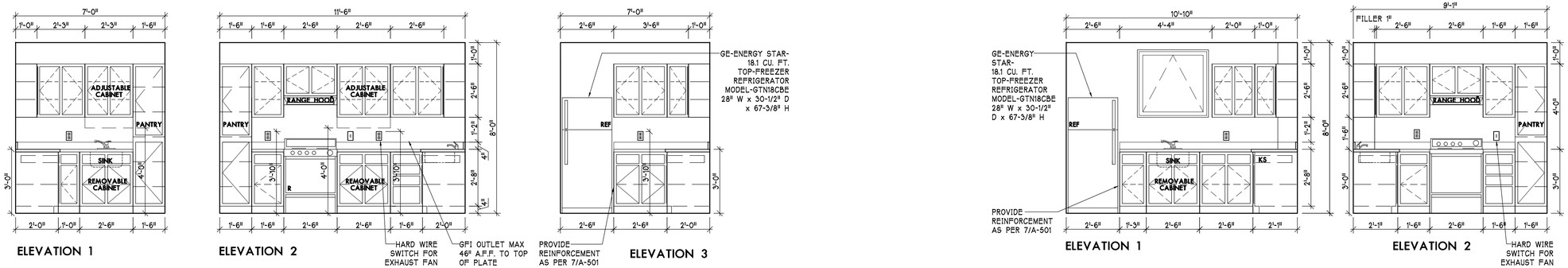


ELEVATION 1 ELEVATION 2 ELEVATION 1 ELEVATION 2 ELEVATION 1 ELEVATION 2

A ADAPTABLE KITCHEN ELEVATIONS @ UNITS B, F, H
3/8"=1'-0"

B ADAPTABLE KITCHEN ELEVATIONS @ UNIT D
3/8"=1'-0"

C ADAPTABLE KITCHEN ELEVATIONS @ UNITS A, C, E, G & J
*UNIT 1-E = UFAS UNIT
3/8"=1'-0"



ELEVATION 1 ELEVATION 2 ELEVATION 3 ELEVATION 1 ELEVATION 2

D ADAPTABLE KITCHEN ELEVATIONS UNIT K @ BASEMENT
3/8"=1'-0"

E ADAPTABLE KITCHEN ELEVATIONS UNIT K (1-5)
3/8"=1'-0"

PROMESA

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DRAWING TITLE:
TYP. UNIT LAYOUTS
KITCHEN ELEVATIONS

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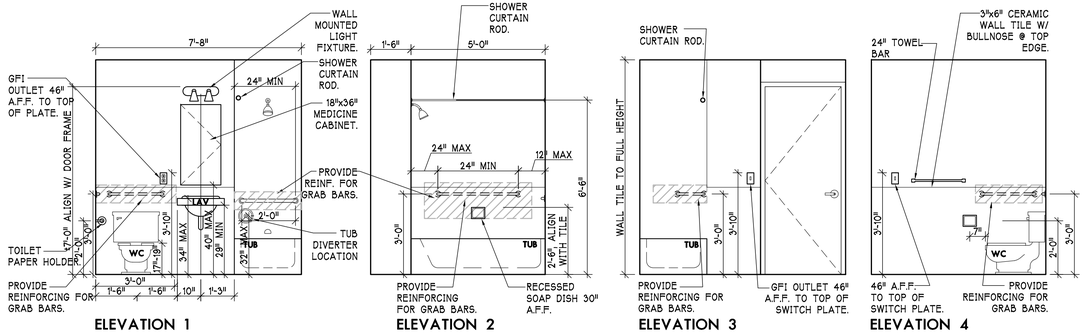
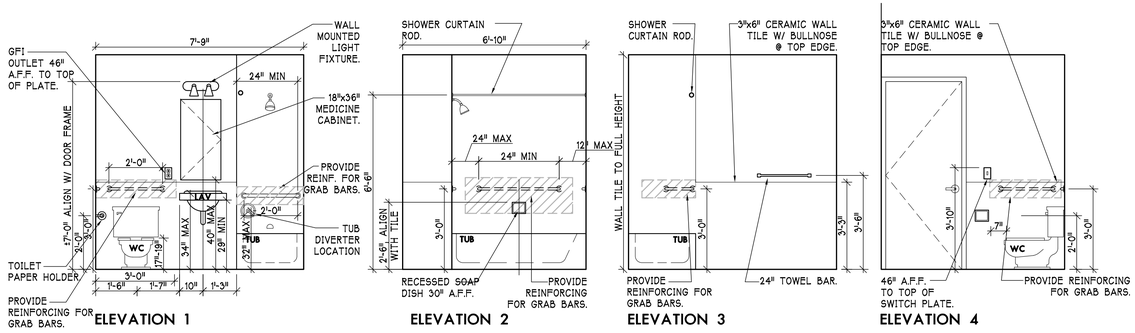


1 BATH ELEVATIONS @ UNITS A, C, D, G, J, K

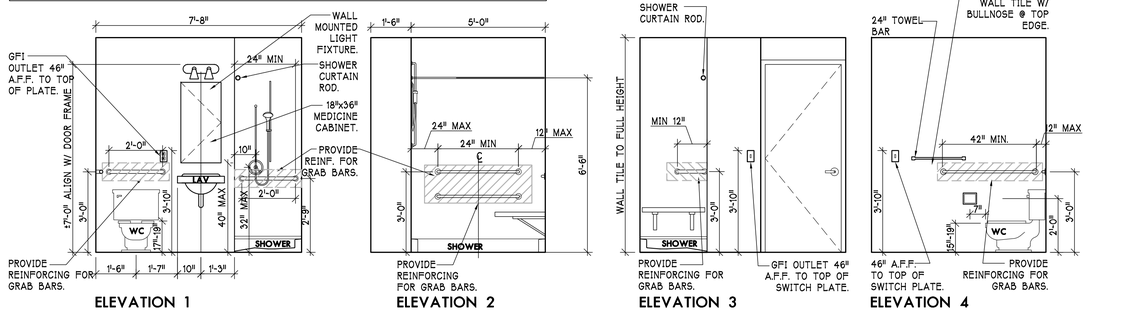
3/8"=1'-0"



2 BATH ELEVATIONS @ UNITS F, H & B

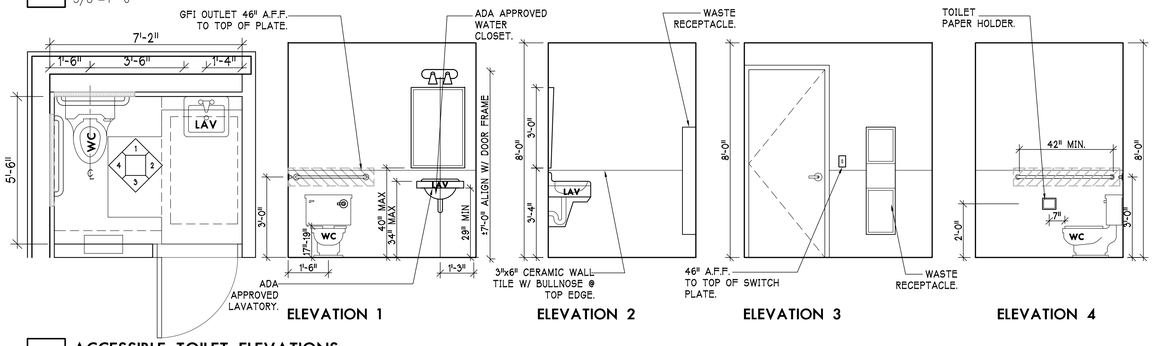
3/8"=1'-0"

NOTE: INSULATE ALL EXPOSED DRAINAGE PIPING INCLUDING HOT, COLD, AND TEMPERED WATER SUPPLIES UNDER LAVATORIES. PIPE COVER MATERIAL TO BE ⅛" THICK PVC WITH ANTIMICROBIAL, ANTIFUNGAL AND U/V INHIBITED PROPERTIES. COVER SHALL HAVE THERMAL PROPERTIES TO PROTECT FROM HOT & COLD CONTACT.



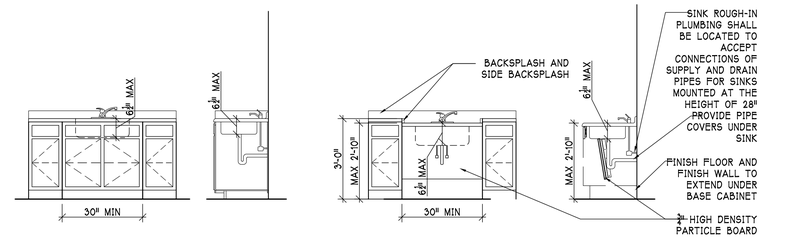
3 UFAS UNIT BATH ELEVATIONS WITH SHOWER (UFAS UNIT E)

3/8"=1'-0"



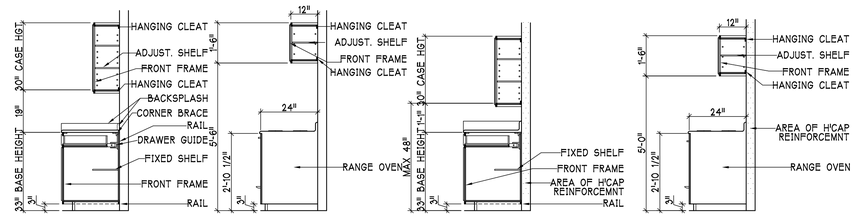
4 ACCESSIBLE TOILET ELEVATIONS @ LOUNGE & RECREATIONAL ROOM

3/8"=1'-0"



A KITCHEN SINK - REMOVAL & HEIGHT ALTERNATIVES

3/8"=1'-0"

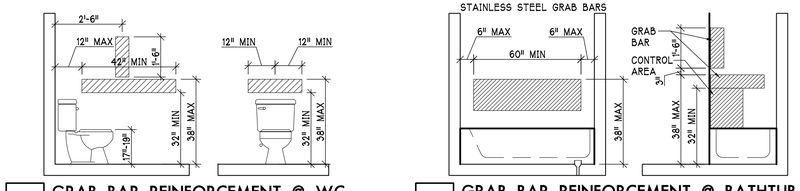


B TYPICAL KITCHEN CABINET DETAILS

3/8"=1'-0"

C ACCESSIBLE KITCHEN CABINET DETAILS

3/8"=1'-0"

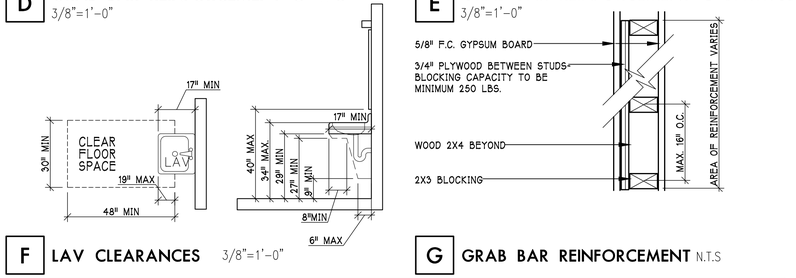


D GRAB BAR REINFORCEMENT @ WC

3/8"=1'-0"

E GRAB BAR REINFORCEMENT @ BATHTUB

3/8"=1'-0"



F LAV CLEARANCES

3/8"=1'-0"

G GRAB BAR REINFORCEMENT

N.T.S

NOTE:
BATHROOM HARDWARE: HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS AND APPLIANCES (INCLUDING LAV AND SHOWER/TUB) SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE.

PROMESA

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DRAWING TITLE:

BATH
ELEVATIONS & DETAILS

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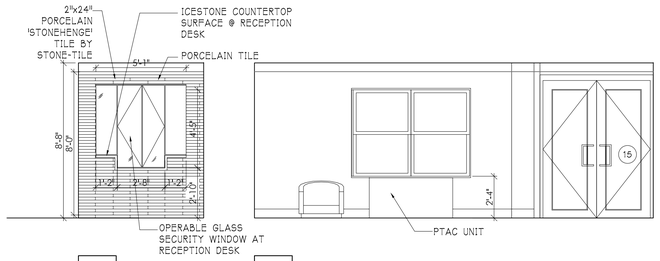
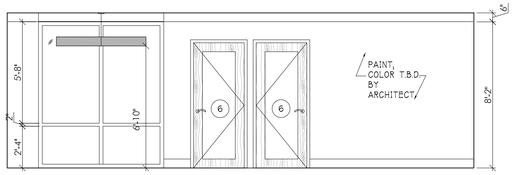
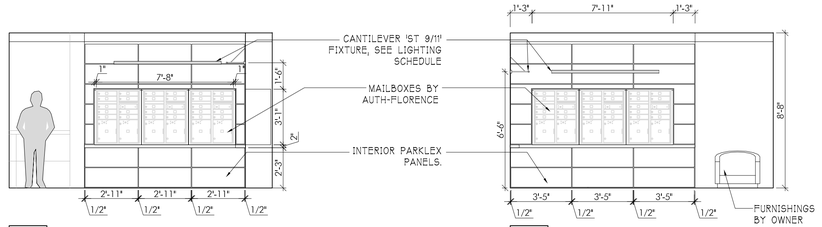


1 VESTIBULE 1/4"=1'-0"

2 LOBBY 1/4"=1'-0"

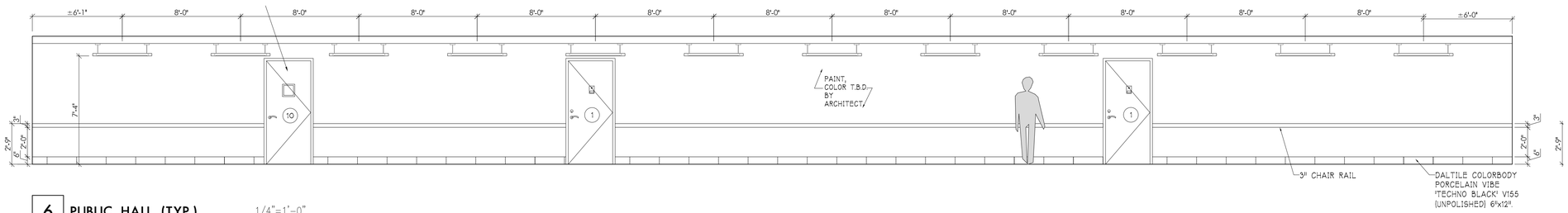


3 LOBBY 1/4"=1'-0"

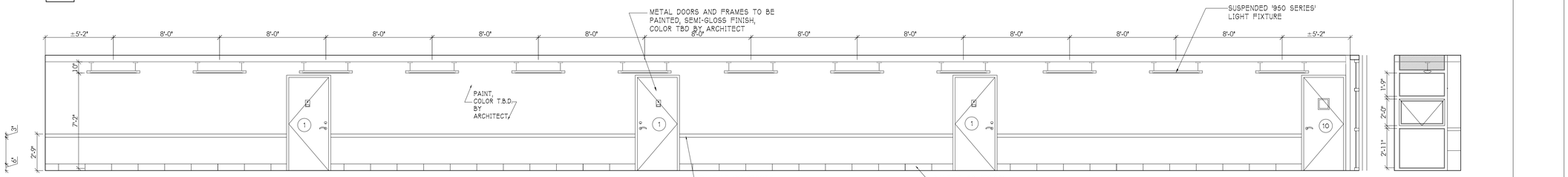


4 LOBBY 1/4"=1'-0"

5 LOBBY 1/4"=1'-0"

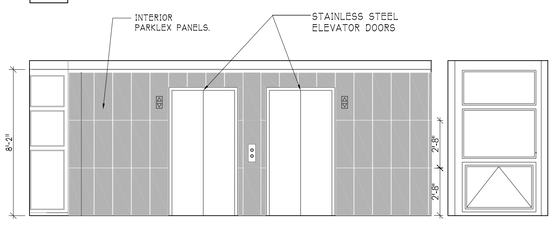


6 PUBLIC HALL (TYP.) 1/4"=1'-0"

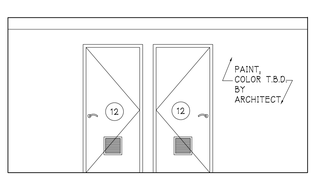


7 PUBLIC HALL (TYP.) 1/4"=1'-0"

8 PUBLIC HALL 1/4"=1'-0"

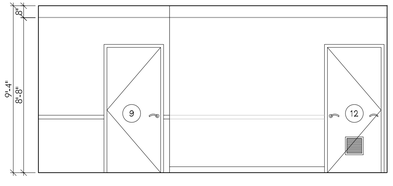


9 ELEVATOR LOBBY @ FIRST FLOOR. 1/4"=1'-0"

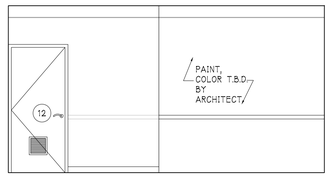


10 ELEVATOR LOBBY 1/4"=1'-0"

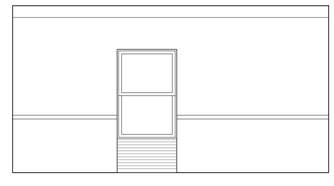
11 ELEVATOR LOBBY 1/4"=1'-0"



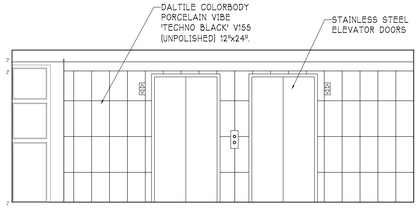
12 LOUNGE 1/4"=1'-0"



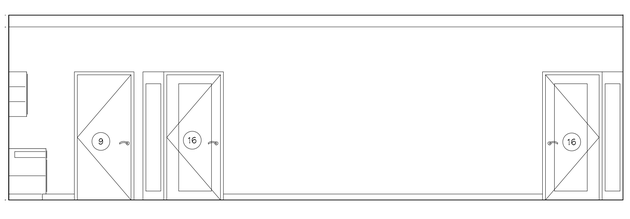
13 LOUNGE 1/4"=1'-0"



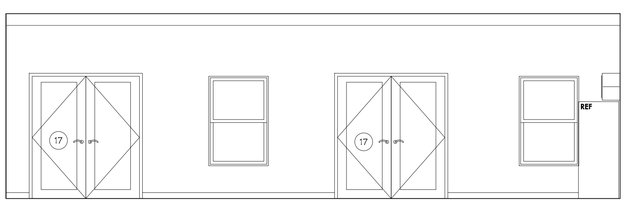
14 LOUNGE 1/4"=1'-0"



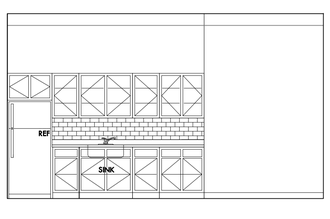
15 TYP. ELEVATOR LOBBY 1/4"=1'-0"



16 RECREATION ROOM @ CELLAR 1/4"=1'-0"



17 RECREATION ROOM 1/4"=1'-0"



18 RECREATION ROOM 1/4"=1'-0"

PROMESA

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92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

INTERIOR ELEVATIONS

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DATE: 05/18/2012

JOB #: 09J06

DRAWN BY: key/am

SCALE: 1/4"=1'-0"

DRAWING #: A-503.00

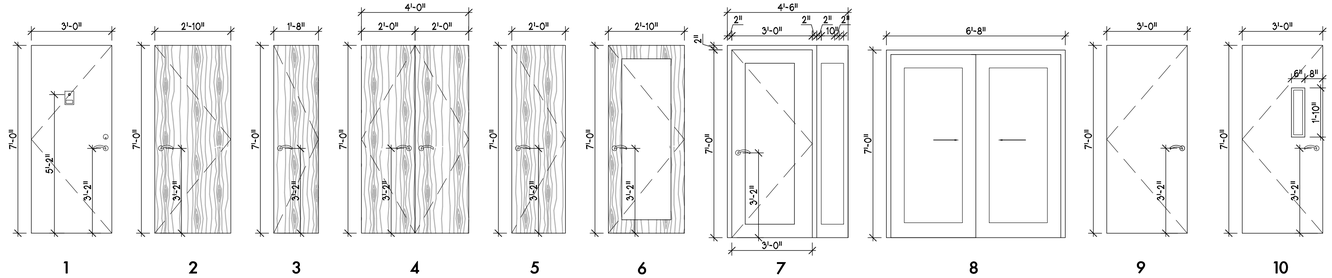
PAGE #: 220177350

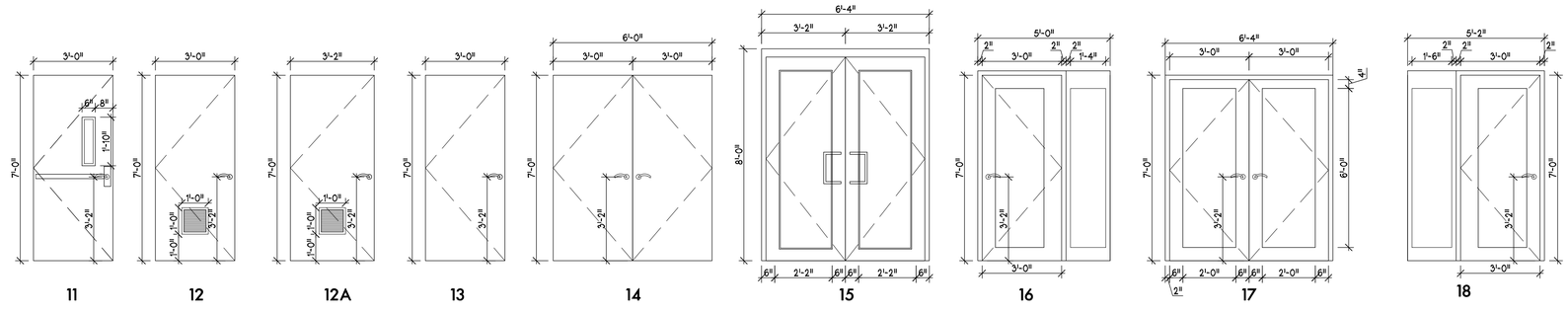
DOOR SCHEDULE

NO.	SIZE	MATERIAL	BUCK	SADDLE	ELEV.	REMARKS
1	3'-0" x 7'-0"	H.M.	H.M.	MARBLE	1	APARTMENT ENTRY; F.P.S.C. 1-1/2 HR. FIRE RATED; PROVIDE INTERVIEWER & CHIME; COMPLY WITH MDL 51-A; SELF-CLOSING
2	2'-10" x 7'-0"	H.C. WOOD	H.M.	MARBLE	2	BATHROOM, BEDROOM
3	1'-8" x 7'-0"	H.C. WOOD	H.M.	NONE	3	TENANT LINEN CLOSETS, AGRIFIBER CORE
4	4'-0" x 7'-0"	H.C. WOOD	H.M.	NONE	4	TENANT CLOSETS; DOUBLE, AGRIFIBER CORE
5	2'-0" x 7'-0"	H.C. WOOD	H.M.	NONE	5	TENANT CLOSET; AGRIFIBER CORE
6	2'-10" x 7'-0"	WOOD/GLASS	WOOD	NONE	6	OFFICE
7	4'-6" x 7'-2"	H.M./GLASS	H.M.	ALUM	7	RECREATION ROOM AND LAUNDRY; WITH SIDELIGHT
8	6'-8" x 7'-0"	H.M./GLASS	H.M.	MARBLE	8	ENTRY AT SUPER'S APT; SLIDING
9	3'-0" x 7'-0"	H.M.	H.M.	MARBLE *	9	TOILET, PUBLIC UTILITY
10	3'-0" x 7'-0"	H.M.	H.M.	ALUM	10	PUBLIC STAIR; MIN. 100 SQ.IN. VISION GLASS; SELF-CLOSING; F.P.S.C. 1-1/2 HR. FIRE RATED
11	3'-0" x 7'-0"	H.M.	H.M.	ALUM	11	PUBLIC STAIRS; MIN. 100 SQ.IN VISION GLASS; EMERGENCY PUSH BAR; SELF-CLOSING; F.P.S.C. 1-1/2 HR. RATED
12	3'-0" x 7'-0"	H.M.	H.M.	NONE	12	UTILITY ROOMS; WITH LOUVER; SELF-CLOSING; F.P.S.C. 1-1/2 HR. FIRE RATED
12A	3'-2" x 7'-0"	H.M.	H.M.	NONE	12A	RECYCLING/REFUSE ROOM; WITH LOUVER; SELF-CLOSING; F.P.S.C. 1-1/2 HR. FIRE RATED
13	3'-0" x 7'-0"	H.M.	H.M.	ALUM	13	ELECTRICAL CLOSETS; WITH LOUVER; DOUBLE, F.P.S.C. 1-1/2 HR. FIRE RATED
14	6'-0" x 7'-0"	H.M.	H.M.	ALUM	14	UTILITY ROOMS, BASEMENT, METER RMS, BOILER RM; SELF-CLOSING; F.P.S.C. 1-1/2 HR. FIRE RATED; DOUBLE
15	5'-4" x 7'-0"	H.M./GLASS	H.M.	ALUM	15	LOBBY; DOUBLE
16	6'-4" x 11'-7"	ALUM/GLASS	ALUM	ALUM	16	STOREFRONT; BUILDING ENTRY AT CELLAR; GREEN ROOF ACCESS; DOUBLE
17	6'-4" x 11'-7"	ALUM/GLASS	ALUM	ALUM	17	REAR YARD TERRACE ACCESS; RECREATION RM.
18	5'-0" x 7'-2"	ALUM/GLASS	ALUM	ALUM	18	STORE FRONT; BUILDING ENTRY AT BASEMENT; DOUBLE

DOOR NOTES:

- PROVIDE BAKED OR FACTORY-PAINTED NEW ALUMINUM ENTRY DOORS WITH HARDWARE, FRAMES, TRANSOM AND WITH 1/4" THICK LAMINATED SAFETY GLASS. CAULK UNDER SADDLES AND PROVIDE NEW COMPRESSIBLE NEOPRENE SPONGE WEATHERSTRIPPING.
- PROVIDE FACTORY-FINISHED NEW 14 GAUGE STEEL ENTRY AND VESTIBULE DOORS WITH HARDWARE, FRAMES, TRANSOM AND WITH 1/4" LAMINATED SAFETY GLASS FOR DOOR AND SIDELITES.
- PROVIDE SELF CLOSING DEVICES ON ALL APARTMENT ENTRY DOORS AND ALL DOORS OPENING ONTO A STAIRWELL
- PROVIDE AND PAINT NEW ALUMINUM VESTIBULE DOOR WITH HARDWARE, FRAMES, TRANSOM AND WITH 1/4" THICK WIRE GLASS FOR DOOR AND SIDELITES.
- PROVIDE AND PAINT KNOCK DOWN HOLLOW METAL FRAMES FOR ALL INTERIOR HOLLOW METAL DOORS.
- PROVIDE AND PAINT WOOD FRAMES FOR ALL INTERIOR WOOD DOORS.
- CAULK UNDER SADDLES AND PROVIDE NEW COMPRESSIBLE NEOPRENE SPONGE WEATHERSTRIPPING AT ALL EXTERIOR DOORS.
- FOR ALL HANDICAPPED ACCESSIBLE DOORWAYS, PROVIDE HANDICAPPED ACCESSIBLE SADDLES AND HANDICAPPED COMPLIANT HARDWARE.
- PROVIDE TEMPERED SAFETY GLASS AT ALL DOORS RECEIVING GLAZING.
- ALL DIMENSIONS TO BE VERIFIED IN THE FIELD.
- ALL BUILDING ENTRY DOORS MUST HAVE 5 SQ. FT. MIN. GLAZED PANEL.
- ENTRANCE DOORS AS PER MDL 35, 50(a) & 51(a).
- SEE SPECIFICATION FOR HARDWARE SET.





1 DOOR ELEVATIONS 3/8"=1'-0"

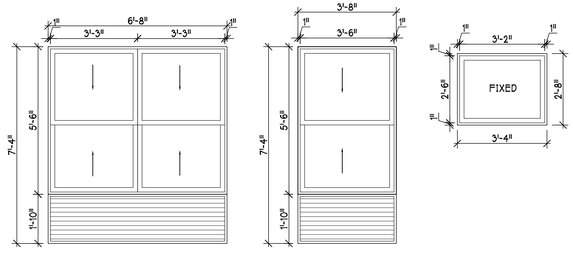
WINDOW SCHEDULE

NOTE: ALL WINDOWS SHALL BE DOUBLE GLAZED W/ LOW-E GLASS AND ARGON FILLED

WIN.	MASONRY OPENING W x H	B.S.B. W x H	LIGHT AREA S.F.	VENT. AREA S.F.	MAT.	TYPE	REMARKS
A	6'-8" x 7'-0"	5'-10" x 5'-4"	31.11	15.55	ALUMINUM	D.H.	ALL FLOORS, APARTMENTS
B	3'-6" x 7'-0"	3'-0" x 5'-4"	16.0	8.0	ALUMINUM	D.H.	ALL FLOORS, APARTMENTS
C	3'-4" x 2'-8"	3'-2" x 2'-6"	6.16	--	ALUMINUM	FIXED	ALL FLOORS, STAIRWELLS

WINDOW NOTES:

- PROVIDE NEW ALUMINUM DOUBLE-HUNG AND CASEMENT WINDOWS W/ INSECT SCREENS THROUGHOUT (TYPICAL).
- PROVIDE CLEAR INSULATING GLASS FOR ALL APARTMENT WINDOWS, EXCEPT OBSCURE GLASS FOR BATHS AND LAVATORY WINDOWS.
- PROVIDE 1/4" WIREGLASS FOR PUBLIC HALL AND LOT LINE BATHROOM WINDOWS.
- COMPLY WITH LIGHT & VENTILATION PER SEC. BC 1203.4 & BC 1205.2.1
- ~~INSULATING GLASS UNITS TO BE LOW-E, 95% ARGON FILLED GLAZING CAVITY.~~
- ALL WINDOWS AT TREMONT FACADE TO HAVE GLAZING TO BE 1/4"CLEAR ANNEALED OVER 1/8" LOW E SOLAR BAN 60 WITH ARGON GAS.. MASTER FRAME TO BE WRAPPED WITH 3" FOAM MINERAL WRAP.



2 WINDOW ELEVATIONS 3/8"=1'-0"

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2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

DOOR & WINDOW SCHEDULE

ARCHITECT:

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SCALE: AS NOTED

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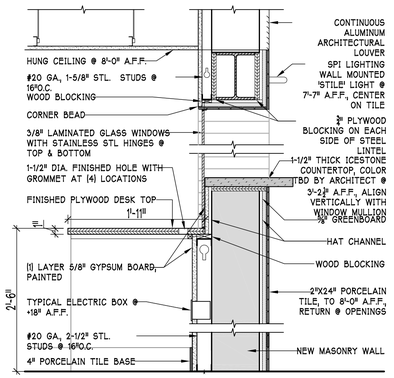
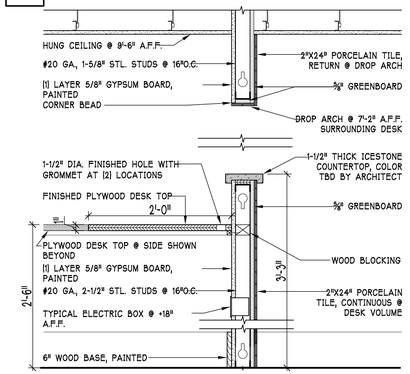
PAGE #: 220177350



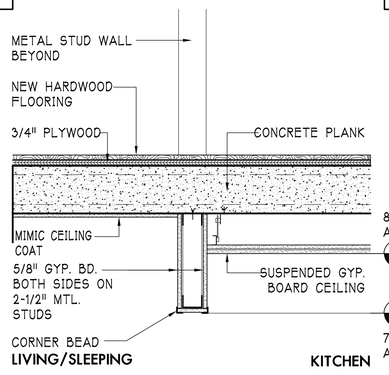
1 FRONT DESK DETAIL

1"=1'-0"



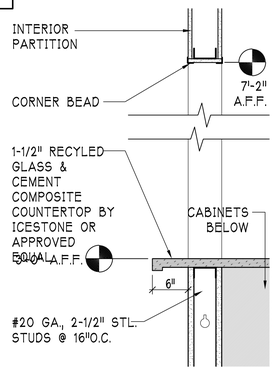
2 DESK DETAIL @ FIRST FLOOR

1"=1'-0"



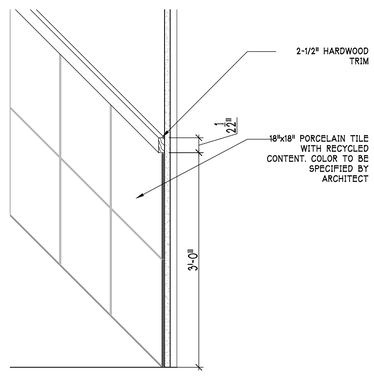
3 DROP ARCH DETAIL

1"=1'-0"



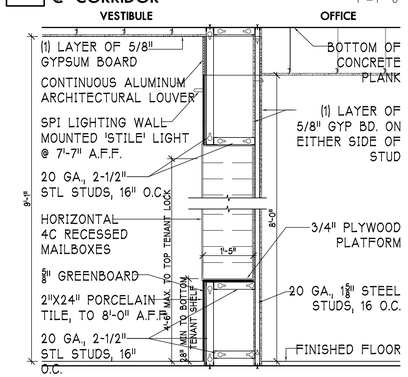
4 PASS-THRU WINDOW @ COMMUNITY KITCHEN

1"=1'-0"



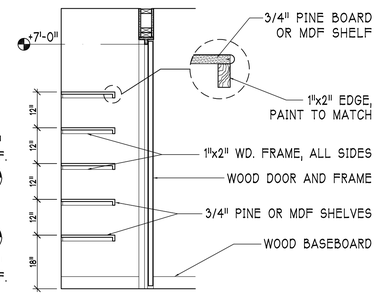
5 SECTION THROUGH WAINSCOTTING @ CORRIDOR

1"=1'-0"



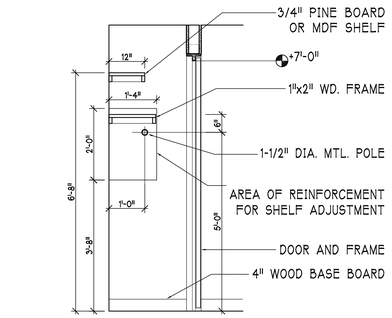
6 MAILBOX

1/2"=1'-0"



7 LINEN CLOSET DETAIL

1/2"=1'-0"



8 CLOSET DETAIL

1/2"=1'-0"

FINISH SCHEDULE

USE	FL	ROOM	FLOOR		BASE		WAINSCOT		WALLS		CEILING			REMARKS
			MATERIAL	COLOR	MATERIAL	COLOR	MATERIAL	COLOR	MATERIAL	COLOR	MATERIAL	COLOR	HEIGHT	
COMMON	1	VESTIBULE	PT-1 / PT-2		-		PT-2/WD		PT-3		GYP-P	P1		
	1	MAIN LOBBY/MAIL	PT-1 / PT-2		-		PT-2/WD		GYP-P	P2	GYP-P	P1		
	C-6	PUBLIC CORRIDOR	PT-1		-		PT-2/WD		GYP-P	P2	GYP-P	P1		
	C-6	ELEV. LOBBY	PT-1		-		-		AL-1		GYP-P	P1		
	C-R	STAIR A	CONC		-		NONE		GYP-P	P3	CONC-P	P3	6'-8" MIN	P4 PAINT @ RAILINGS & STRINGERS
	C-R	STAIR B	CONC		-		NONE		GYP-P	P3	CONC-P	P3	6'-8" MIN	P4 PAINT @ RAILINGS & STRINGERS
	B-6	TRASH ROOM	PT-2		PT-1		PT-2		GYP-P	P2	GYP-P	P1		
OFFICE	1	OFFICE	WD	W-2	WB-2		NONE		GYP-P	P5	GYP-P	P6		
	1	SECURITY	WD	W-2	WB-2		NONE		GYP-P	P5	GYP-P	P6		
TENANT PUBLIC	C-B	PUBLIC RESTROOM	CT-3		-		CT-4		GYP-P	P8	GYP-P	P10		SEE BATHROOM ELEVATIONS
	B	LOUNGE	WD	W-2	WB-2		NONE		GYP-P	P9	GYP-P	P10		
	C	RECREATION ROOM	WD	W-1	WB-1		CT-7 BACKSPLASH		GYP-P	P9	GYP-P	P10		SEE KITCHEN ELEVATIONS
	B	LAUNDRY ROOM	QT-1		QT-1		NONE		GYP-P	P12	GYP-P	P4		
TYPICAL APT.	B-6	LIV/DIN	WD	W-1	WB-1		NONE		GYP-P	P11	CONC-P	P12		
	B-6	KITCHENETTE	WD	W-1	WB-1		CT-8 BACKSPLASH		GYP-P	P11	GYP-P	P12		SEE KITCHEN ELEVATIONS
	B-6	BEDROOM	WD	W-1	WB-1		NONE		GYP-P	P11	GYP-P	P12		
	B-6	BATHROOM	CT-5		-		CT-6		GYP-P	P11	GYP-P	P12		SEE BATHROOM ELEVATIONS
	B-6	CLOSETS	WD	W-1	WB-1		NONE		GYP-P	P11	GYP-P	P12		
AUXILLIARY	B	MAINT. OFFICE	CONC	S1	NONE		NONE		CMU-P	P13	CONC-P	P13		
	B	UTILITY ROOMS	CONC	S1	NONE		NONE		CMU-P	P13	CONC-P	P13		
	C	BUILDING STORAGE	CONC	S1	NONE		NONE		CMU-P	P13	CONC-P	P13		
	C	REFUSE ROOM	CONC	S1	NONE		NONE		CMU-P	P13	CONC-C	P13		
	C-6	JANITOR'S CLOSET	QT-1		QT-1		QT-1		GYP-P	P-13	GYP-P	P13		
	B	ELEVATOR MACH RM	QT-1		QT-1		NONE		GYP/CMU-P	P13	GYP-P	P13		
	C	BOILER ROOM	CONC	S1	NONE		NONE		GYP-P	P13	GYP-P	P13		

FINISH COLOR LEGEND

ABBREV.	MATERIAL	MANUFACTURER	NUMBER	COLOR NAME/FINISH	REMARKS
P1	PAINT	SHERWIN-WILLIAMS	RM WHITE	WHITE/PEARL FINISH	PAINTS TO BE CHOSEN BY ARCHITECT FROM ENTIRE SERIES OF "SHERWIN-WILLIAMS" COLOR COLLECTION. ALL PAINTS TO BE LOW-VOC, GREENGUARD RATED. PROGREEN 200 OR BETTER.
P2	PAINT	SHERWIN-WILLIAMS	SW 6917	NERVY HUE/SEMI GLOSS	
P3	PAINT	SHERWIN-WILLIAMS	SW 3163	GRASSLAND/PEARL FINISH	
P4	PAINT	SHERWIN-WILLIAMS	SW 0077	CLASSIC FRENCH GRAY/SEMI GLOSS	
P5	PAINT	SHERWIN-WILLIAMS	TBD	TBD	
P6	PAINT	SHERWIN-WILLIAMS	TBD	TBD/FLAT FINISH	
P7	PAINT	SHERWIN-WILLIAMS	TBD	TBD	
P8	PAINT	SHERWIN-WILLIAMS	TBD	TBD	
P9	PAINT	SHERWIN-WILLIAMS	TBD	TBD	
P10	PAINT	SHERWIN-WILLIAMS	TBD	TBD/FLAT FINISH	
P11	PAINT	SHERWIN-WILLIAMS	TBD	TBD	
P12	PAINT	SHERWIN-WILLIAMS	TBD	TBD/FLAT FINISH	
P13	PAINT	SHERWIN-WILLIAMS	TBD	TBD/FLAT FINISH	
PT-1	PORCELAIN TILE	DALTILE	V151	VIBE 'TECHNO GRAY'	E
PT-2	PORCELAIN TILE	DALTILE	V155	VIBE 'TECHNO BLACK'	(UNPOLISHED); 24"x24" @ 1ST FLOOR; 12"x24" @ WAINSCOT
PT-3	PORCELAIN TILE	DALTILE	TDB	TDB	UNPOLISHED 2X24
S1	PAINT	BENJAMIN MOORE	TBD	TBD	CONCRETE SEALER
CT-1	CERAMIC TILE	COVERINGS ECT	TBD	CARBON	1"x1"; ECO GRES MOSAIC
CT-2	CERAMIC TILE	DALTILE	K775-MT	MATTE BISCUIT	3"x6"
CT-3	CERAMIC TILE	DALTILE	TBD	TBD	1"x1"
CT-4	CERAMIC TILE	DALTILE	TBD	TBD	3"x6"
CT-5	CERAMIC TILE	DALTILE	TBD	TBD	1"x1"
CT-6	CERAMIC TILE	DALTILE	TBD	TBD	3"x6"
CT-7	CERAMIC TILE	DALTILE	TBD	TBD	1"x1"
CT-8	CERAMIC TILE	DALTILE	TBD	TBD	1"x1"
QT-1	QUARRY TILE	DALTILE	TBD	TBD	6"x6"
W-1	WOOD FLOOR	SMITH & FONG	PLYBOO PURE	AMBER	BAMBOO FLOORING: PRE-FINISHED, UREA-FORMALDEHYDE FREE, FSC CERTIFIED
W-2	WOOD FLOOR	SMITH & FONG	PLYBOO PURE	FOUNDATION BROWN STAIN	BAMBOO FLOORING: PRE-FINISHED, UREA-FORMALDEHYDE FREE, FSC CERTIFIED
WB-1	WOOD BASE	DYKE'S MOULDING	TBD	TBD	4"
WB-2	WOOD BASE	DYKE'S MOULDING	TBD	TBD	6"

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:

ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

FINISH SCHEDULE AND DETAILS

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE: 05/18/2012

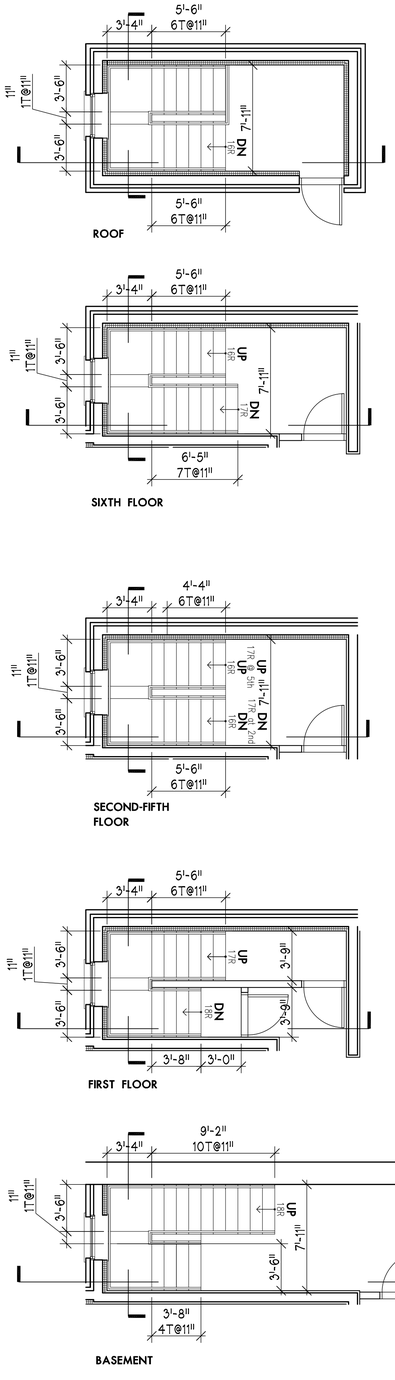
JOB #: 09J06

DRAWN BY: key/am

SCALE: AS NOTED

DRAWING #: A-601.00

PAGE #: 220177350



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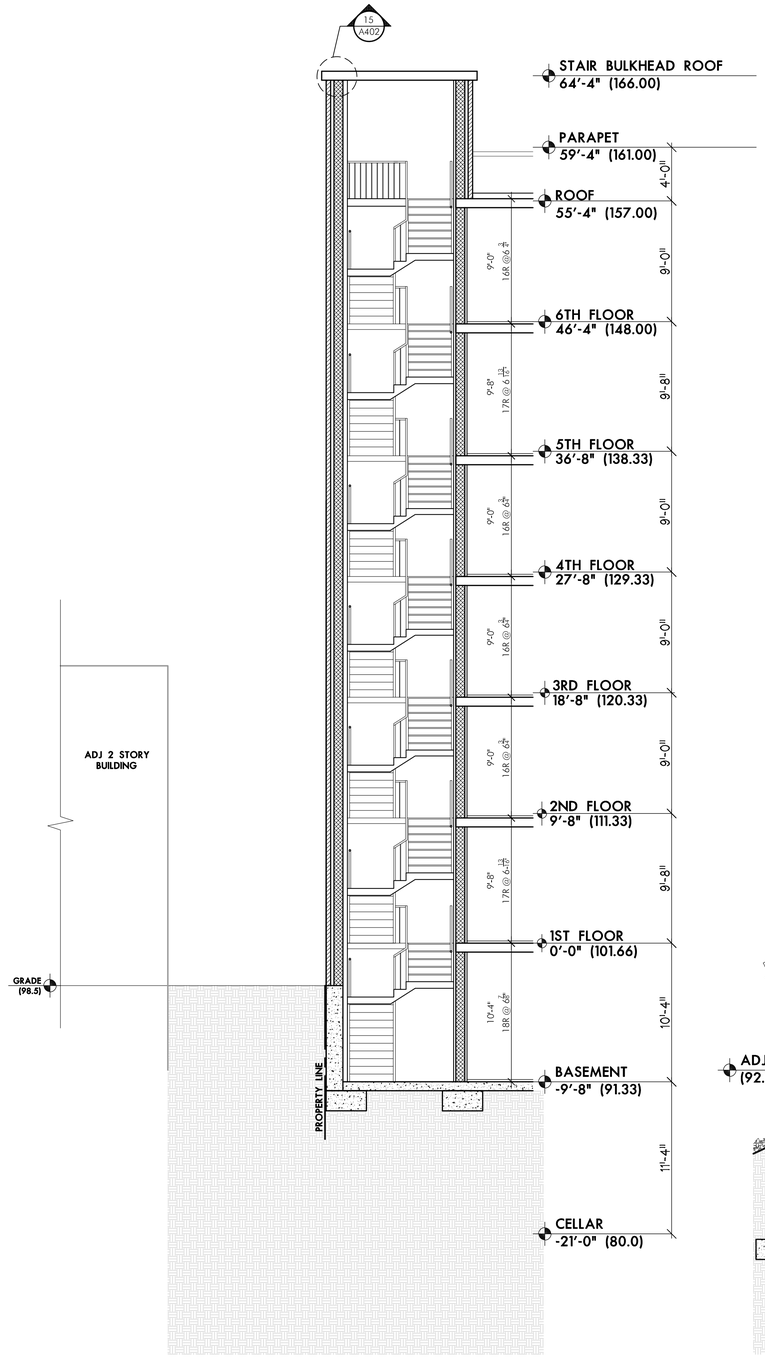

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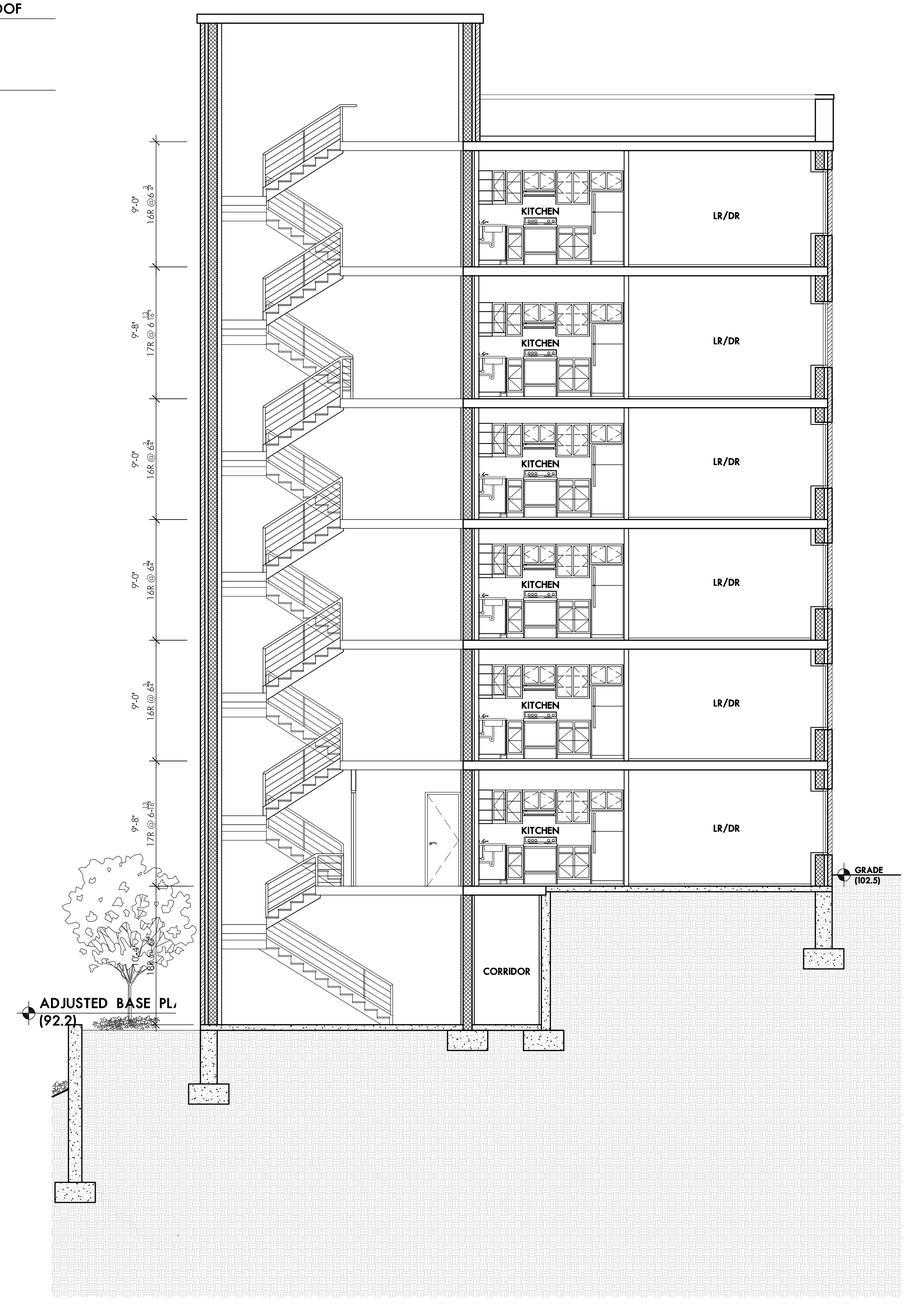

3 FIRE STAIR A 3/16"=1'-0

PROMESA

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92 WEST TREMONT AVE.
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4	CONTRACT SET	06/18/2013

DRAWING TITLE:
STAIR PLANS & SECTIONS

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: key/am
SCALE: 3/16"=1'-0"

DRAWING #:
A-700.00

PAGE #:
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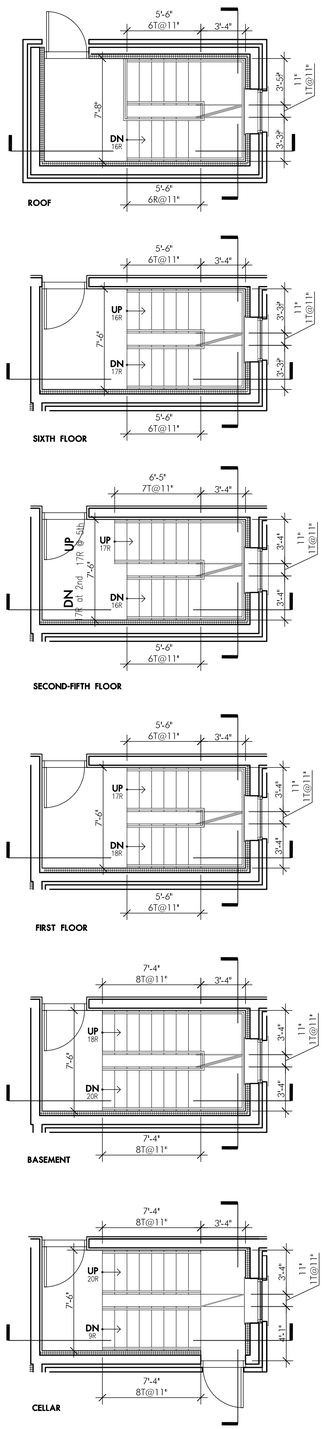

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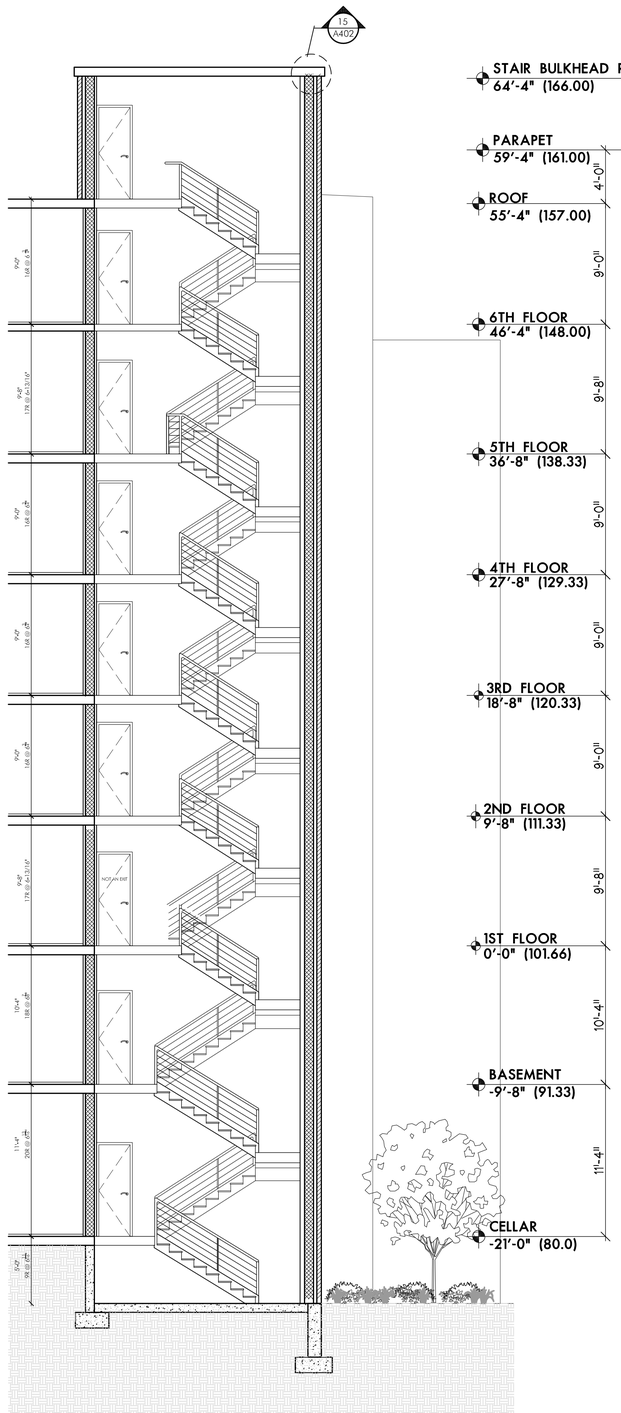

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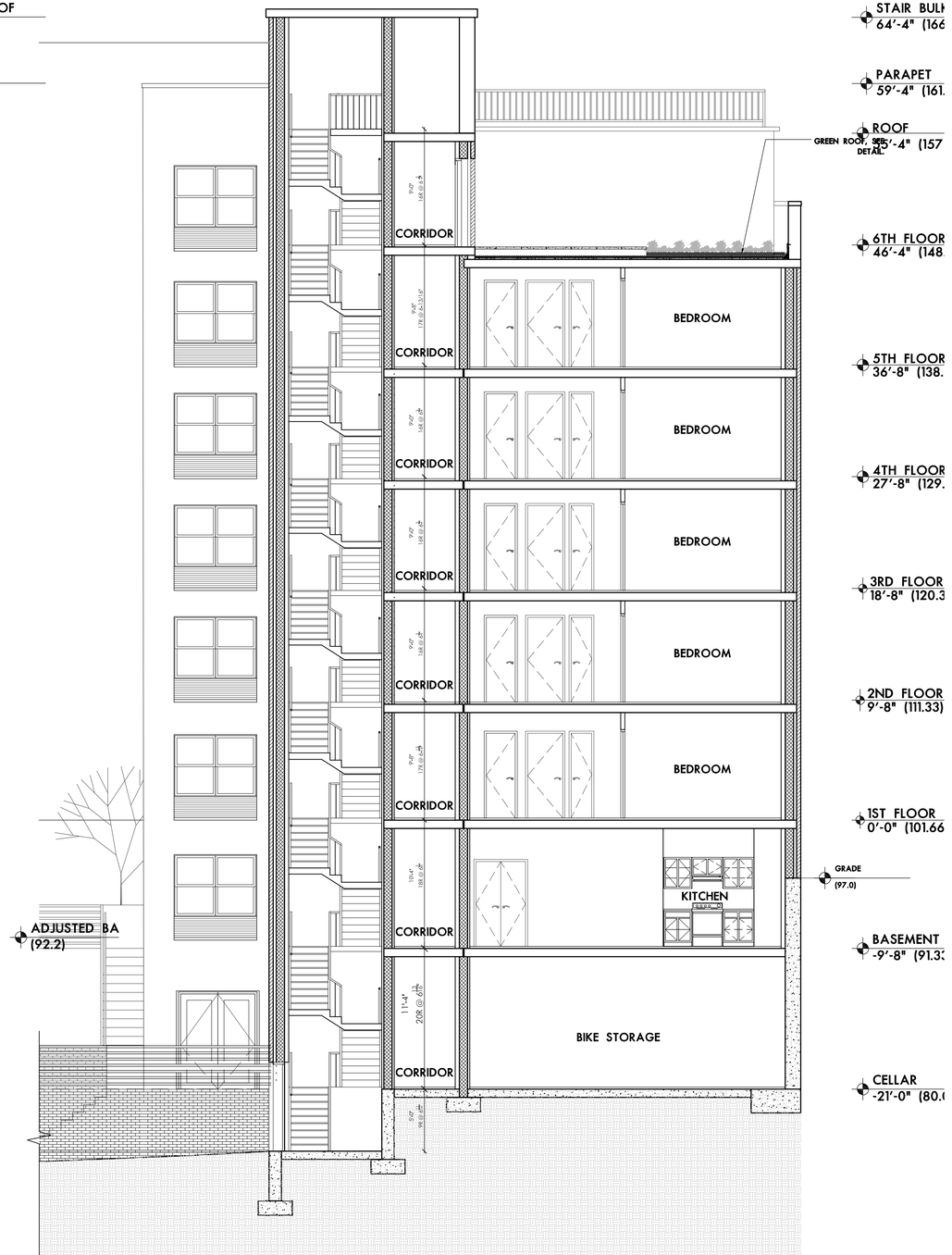

3 FIRE STAIR B 3/16"=1'-0"

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STAIR PLANS & SECTIONS

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NEW YORK CITY NEW YORK 10012
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SCALE: 1/8"=1'-0"

DRAWING #:

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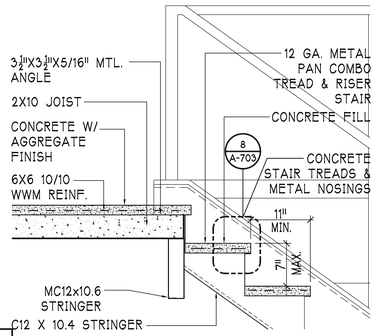
220177350



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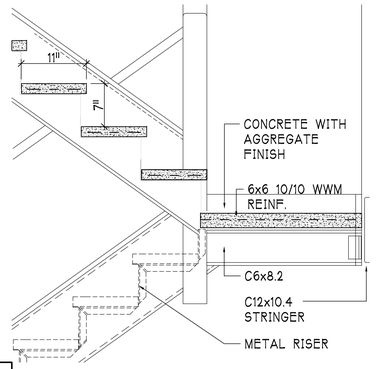

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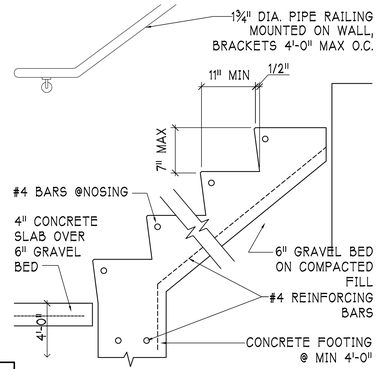
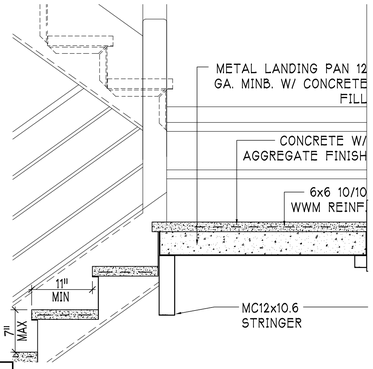
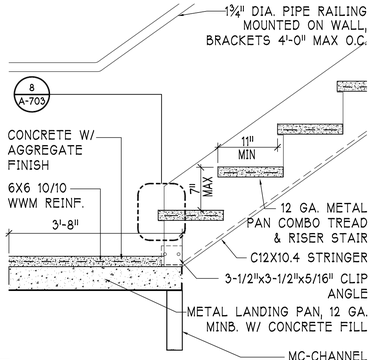


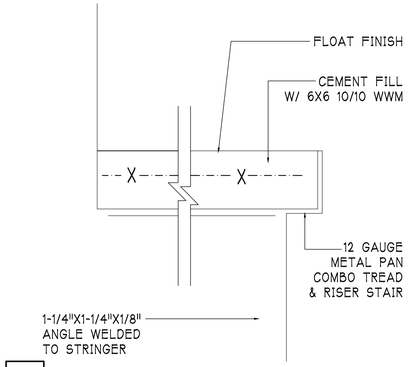
4 CONCRETE STAIR DETAIL @ CELLAR 1"=1'-0"



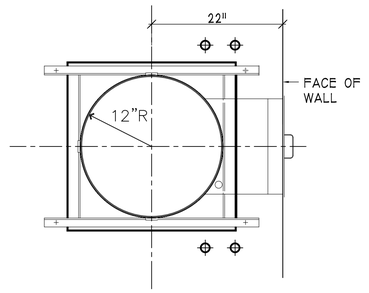
5 PUBLIC HALL STAIR 1"=1'-0"



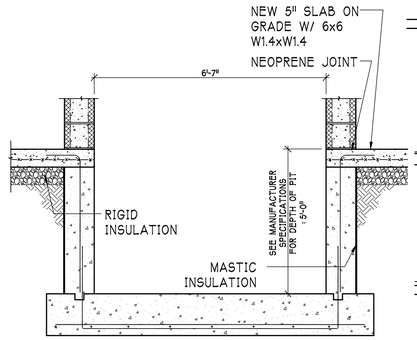
2 PUBLIC HALL STAIR (TYP) 1"=1'-0"



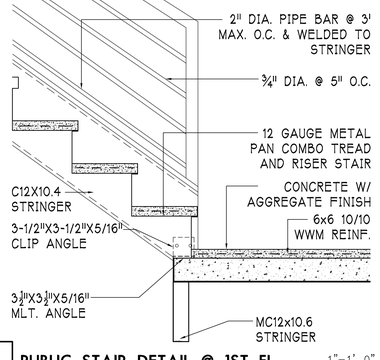
8 N.T.S. HALF FULL



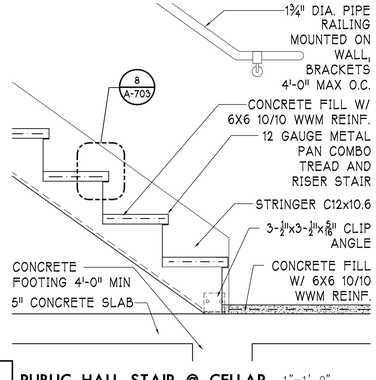
9 TRASH CHUTE PLAN 1"=1'-0"



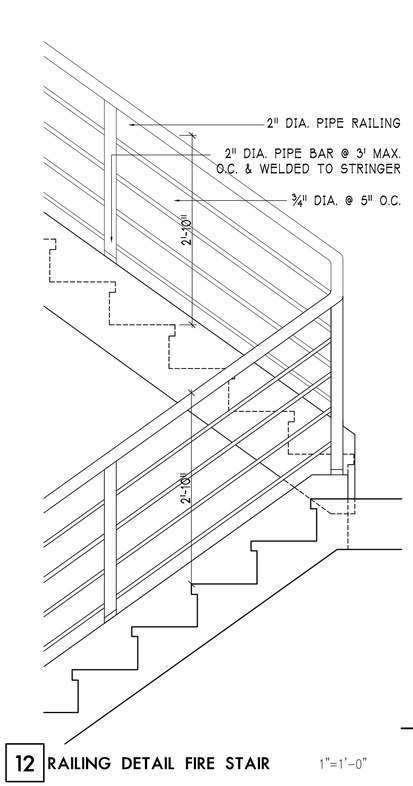
10 ELEVATOR PIT DETAIL 1/2"=1'-0"



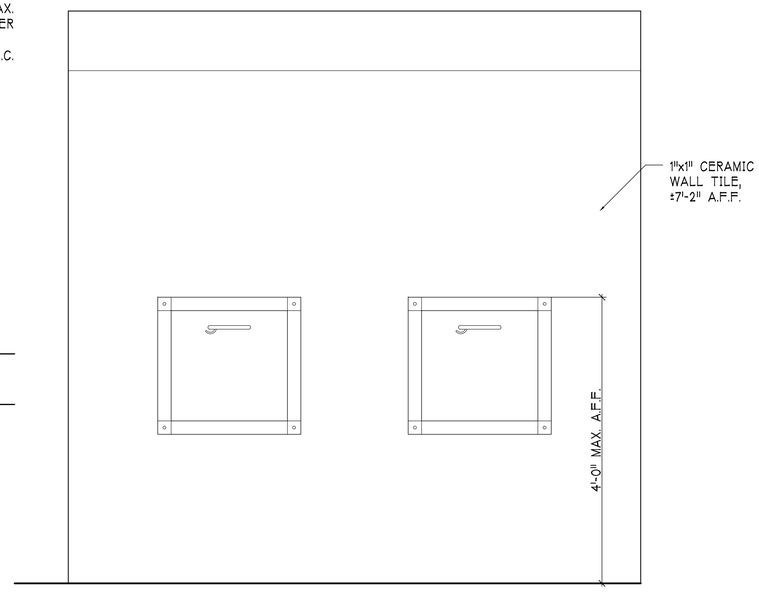
6 PUBLIC STAIR DETAIL @ 1ST FL 1"=1'-0"



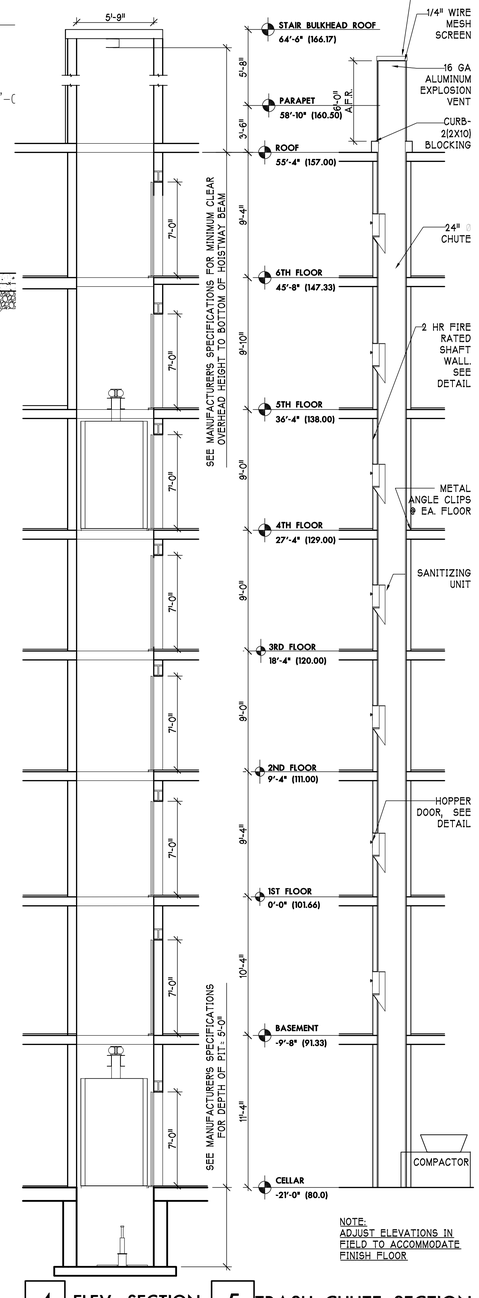
7 PUBLIC HALL STAIR @ CELLAR 1"=1'-0"



12 RAILING DETAIL FIRE STAIR 1"=1'-0"



13 TRASH CHUTE ELEVATION 1"=1'-0"



4 ELEV. SECTION 3/16"=1'-0"

5 TRASH CHUTE SECTION 3/16"=1'-0"

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
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1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:
ELEVATOR, TRASH CHUTE & STAIR DETAILS

ARCHITECT:
OCV
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WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
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DATE: 05/18/2012
JOB #: 09J06
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SCALE: AS NOTED
DRAWING #: A-702.00
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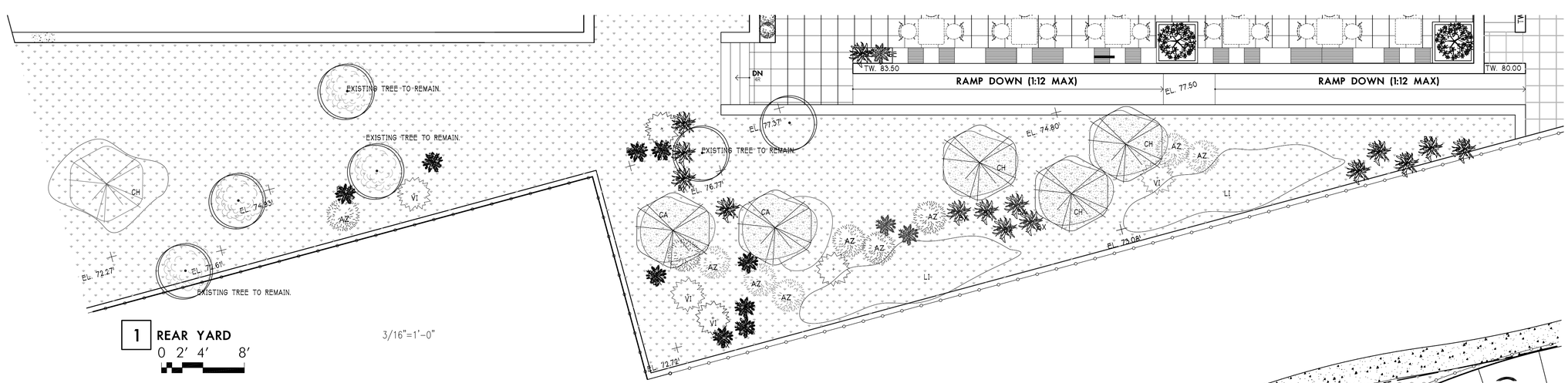
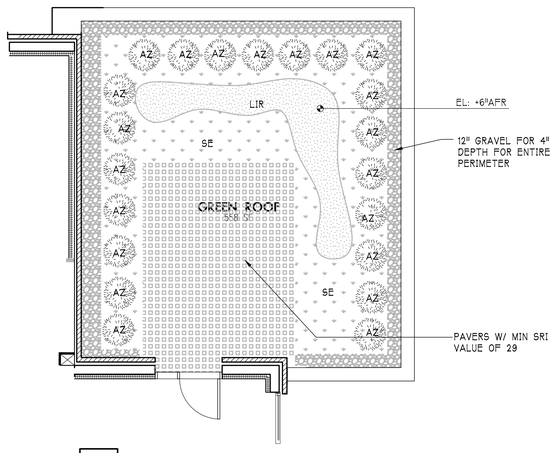


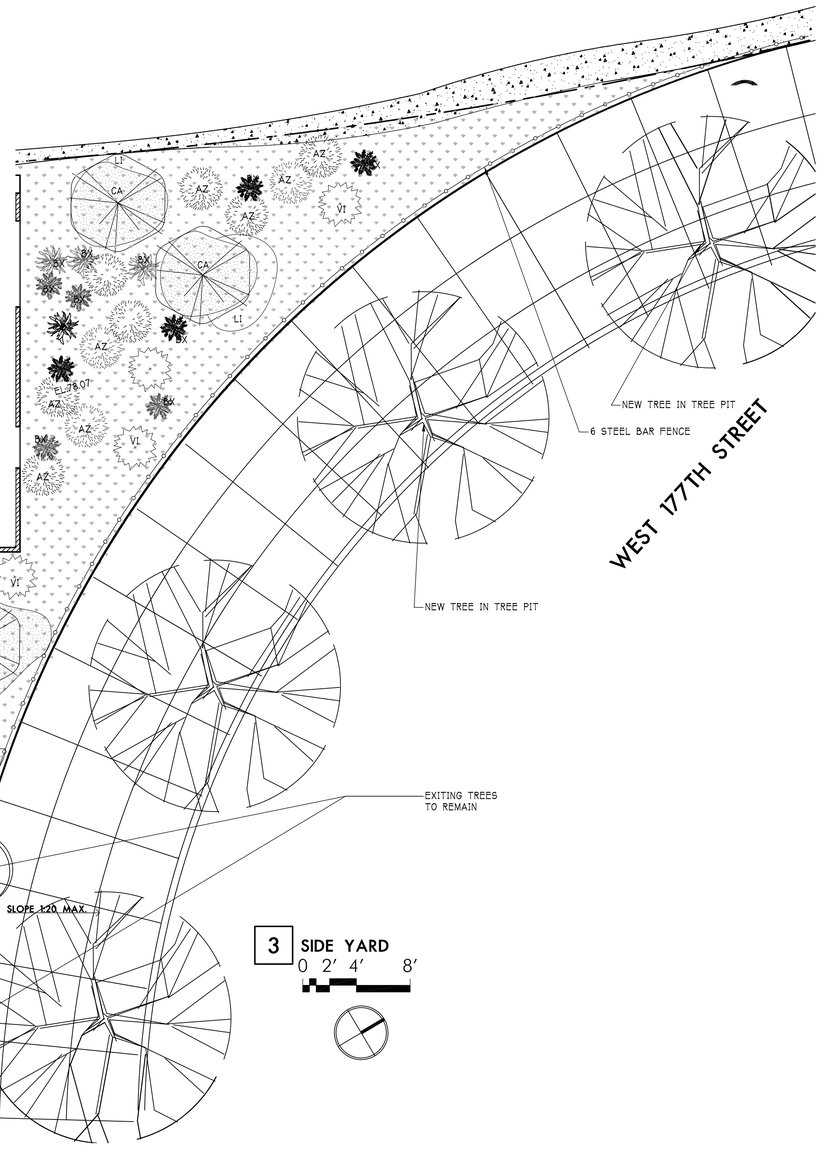
1 **REAR YARD** 3/16"=1'-0"

0 2' 4' 8'



2 **GREEN ROOF (SIXTH FLOOR)** 3/16"=1'-0"

0 2' 4' 8'



3 **SIDE YARD**

0 2' 4' 8'

PLANTING SCHEDULE

ABBREV.	BOTANICAL NAME	COMMON NAME	QUANT.	HEIGHT	SPREAD	ROOT	BALL SIZE	COMMENTS
AZ	RHODODENDRON PRINOPHYLLUM	AZALEA	45	2'-6"	-	-	-	
LI	LILIUM	LILLY, WHITE FLOWERS	116	-	-		3-6"	PLANT 12" O.C.
LIR	LIRIOPE	LIRIOPE	-	-	-			
SE	SEDUM		-	-	-			
CA	MALUS	WEEPING CRABAPPLE	4	-	-			
PA	PACHYSANDRA	PACHYSANDRA	-	6"-12"	-			
VI	VIBURNUM	BLACK VIBURNUM	9	12'-0"-15'-0"	6'-0"-12'-0"			
BX	BUXUS SEMPERVIRENS 'PULLMAN'	BOXWOOD	30	4'-0"-7'-0"	2'-0"-4'-0"			
CH	PRUNUS SERRULATA	WEEPING CHERRY	5					

WOOD CHIP MULCH

ALL PLANTING AREAS INCLUDING SHRUB BEDS, TREE PITS, BUT NOT GROUND COVER AREAS SHOULD RECEIVE A 2" MIN. LAYER OF CEDAR WOOD CHIP MULCH.

TOPSOIL

ALL TOPSOIL FOR PLANTING SHOULD HAVE A LABORATORY TESTED ORGANIC VALUE OF 5% MINIMUM. SOIL SHALL HAVE A PH VALUE BETWEEN 6-8. SOIL SHALL BE FREE OF ALL STONES AND ORGANIC MATTER LARGER THAN 1 1/2" DIAMETER. SOIL FOR PLANTING PITS SHALL BE AMENDED AT THE RATE OF 7 CUBIC YARDS OF WELL ROTTED MANURE PER CUBIC YARDS OF TOPSOIL.

IRRIGATION

GC. TO PROVIDE AUTOMATIC IRRIGATION DRIP TUBING SYSTEM AT PERENIAL BEDS AND SPRAY HEADS AT ALL SOD AREAS. GC TO SUBMIT SHOP DRAWING FOR ARCHITECT'S APPROVAL.

LEGEND

- LANDSCAPE BOULDER, MIN 18" DIAM.
- AREA OF GRAVEL FOR 4" DEPTH
- CEDAR DECKING, 5/4"X3"
- GROUND COVER TO BE PACHYSANDRA
- GRANITE PAVERS, 'BELGIAN BLOCKS' 8"x4"x4" - BELGIAN BLOCK SALES CO., INC. (800) 718-7880 MINIMUM SRI = 29
- TERRA COTTA PLANTER, 18", 24", & 36"ø TERRACAST PLANTERS (800) 423-8539

PROMESA

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DRAWING TITLE:

LANDSCAPE PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO P.C.
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
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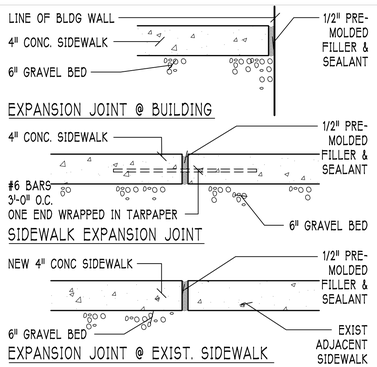
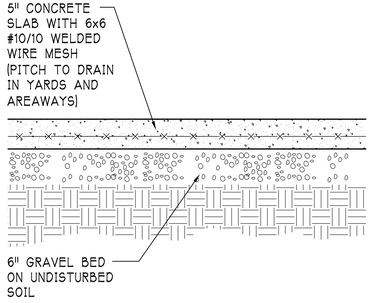
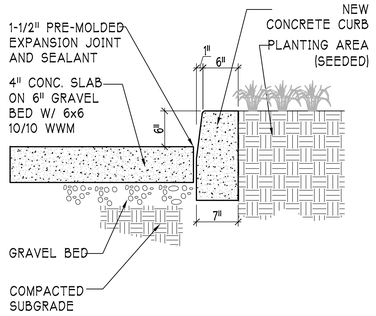


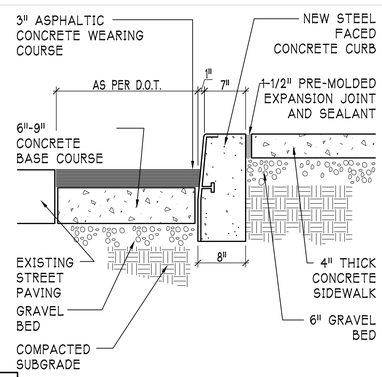
1 EXPANSION JOINT DETAILS 1"=1'-0"



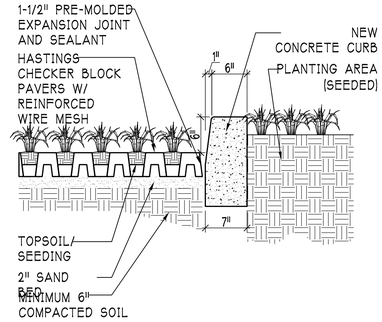
2 CONCRETE SLAB ON GRADE 1"=1'-0



3 CURB DETAIL 1"=1'-0"



4 STREET PAVING DETAIL 1"=1'-0"



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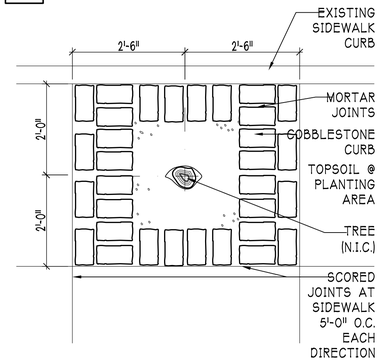
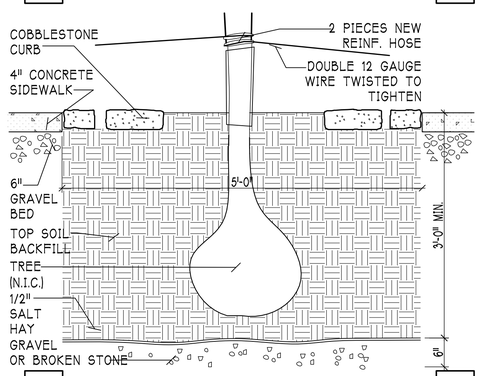


6 TREE PIT DETAIL @ SIDEWALK N.T.S



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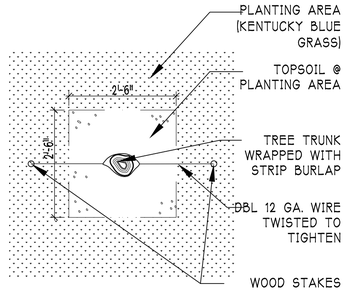
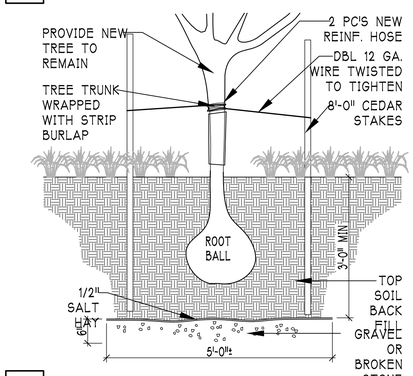
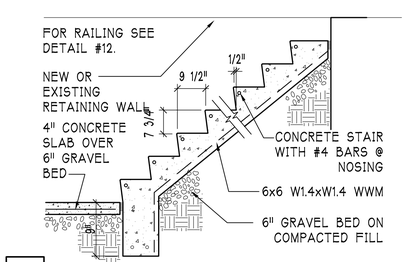


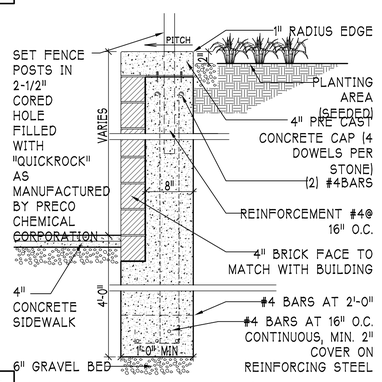
8 TREE PIT DETAIL @ YARD N.T.S



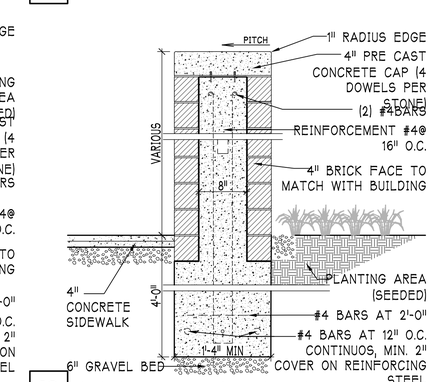
9 SECTION @ TREE PIT N.T.S



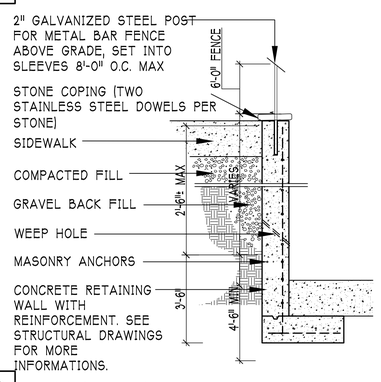
10 CONC. STAIR 1"=1'-0"



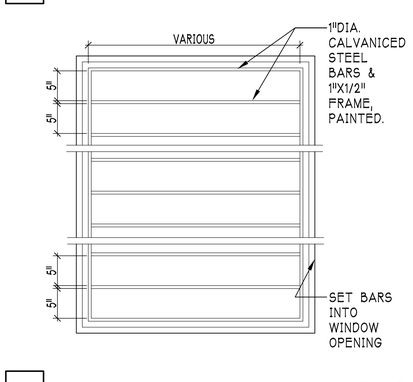
11 CONCRETE FOOTING @ REAR 1"=1'-0



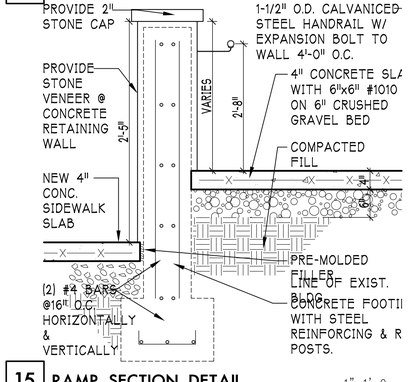
12 CONCRETE FOOTING @ REAR 1"=1'-0"



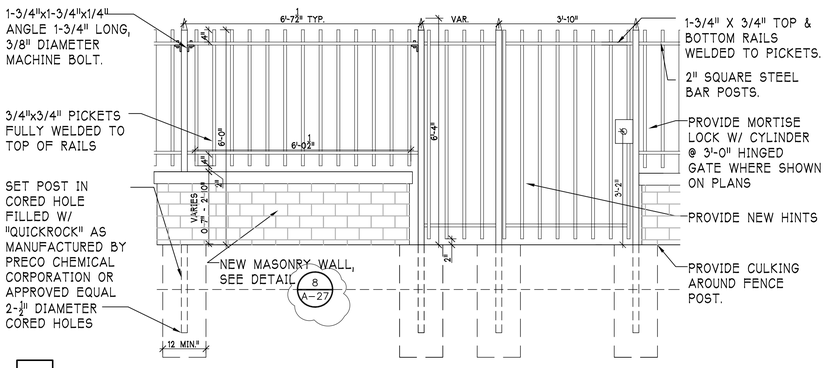
13 RETAINING WALL @ PROPERTY LINE N.T.S.



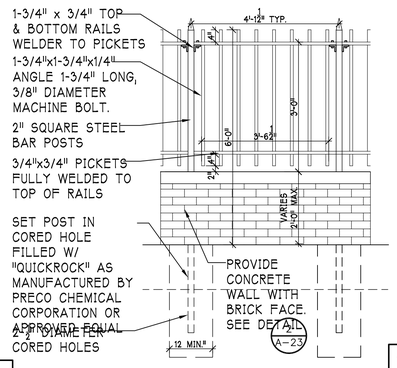
14 BURGLAR BARS @ WINDOWS 1"=1'-0"



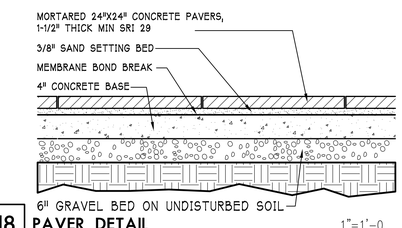
15 RAMP SECTION DETAIL 1"=1'-0"



16 FENCE ELEVATION 1/2"=1'-0"



17 FENCE ELEVATION 1/2"=1'-0"



18 PAVER DETAIL 1"=1'-0"

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:

ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	DOB APPROVAL	09/06/2012
2	SWA COMMENTS	12/10/2012
3	HPD FINAL REVIEW	05/14/2013
4	CONTRACT SET	06/18/2013

DRAWING TITLE:

SITE DETAILS

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

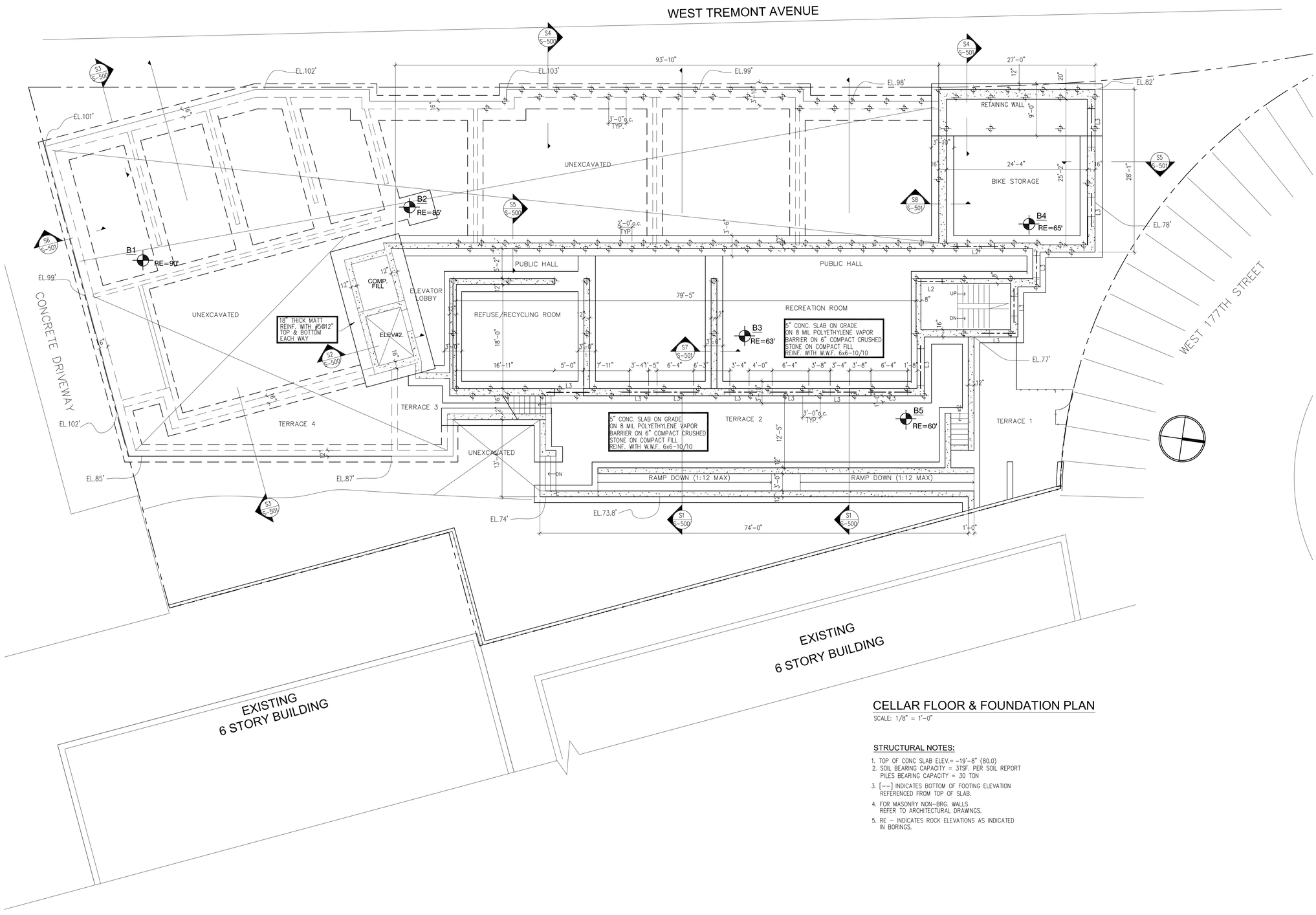
JOB #: 09J06

DRAWN BY: key/am

SCALE: AS NOTED

DRAWING #: A-801.00

PAGE #: 220177350



CELLAR FLOOR & FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF CONC SLAB ELEV.= -19'-8" (80.0)
2. SOIL BEARING CAPACITY = 3TSF. PER SOIL REPORT
   PILES BEARING CAPACITY = 30 TON
3. [--] INDICATES BOTTOM OF FOOTING ELEVATION REFERENCED FROM TOP OF SLAB.
4. FOR MASONRY NON-BRG. WALLS REFER TO ARCHITECTURAL DRAWINGS.
5. RE - INDICATES ROCK ELEVATIONS AS INDICATED IN BORINGS.

PROMESA

PROJECT TITLE:

SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
BRONX, NY 10458

KEY PLAN:

THE LISBON

ENGINEERING CONSULTANT:
WEXLER & ASSOCIATES
STRUCTURAL ENGINEERS
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960
MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY10001
TEL: 212.736.2584 | FAX: 212.736.2520

NO:	REVISION:	DATE:
1	PRELIMINARY	06/21/2012
3	ISSUED FOR BID	10-12-12

DRAWING TITLE:

CELLAR AND FOUNDATION PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 02/03/2010

JOB #: 09J06

DRAWN BY: LM

SCALE: AS NOTED

DRAWING #: FO-100.00

PAGE #:

DRAWING INDEX

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	S-101	FIRST FLOOR FRAMING PLAN
	S-102	SECOND FLOOR FRAMING PLAN
	S-103	TYPICAL (3-5) FLOOR FRAMING PLAN
	S-106	SIXTH & EIGHTH FLOOR FRAMING PLAN
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SECTIONS & DETAILS	S-300	WALL SECTIONS
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	S-401	TYPICAL SECTIONS & DETAILS
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GENERAL NOTES

1. ALL WORK PERTAINING TO SHEETING, BRACING, SUPPORT OF ADJOINING LOTS AND SIDEWALKS, PLACEMENT OF FOUNDATION CONCRETE ON SOIL SUBGRADE IS SUBJECT TO CONTROLLED INSPECTION. DESIGN FOR SHEETING & BRACING SHALL BE DONE BY ENGINEER IN CHARGE OF CONTROLLED INSPECTION & PAID BY THE CONTRACTOR.
2. PROPER NOTICES SHALL BE GIVEN FOR PERFORMANCE OF THE CONTROLLED INSPECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE NYC BLDG CODE: "BEFORE ANY WORK IS COMMENCED ON AN ITEM OF CONSTRUCTION REQUIRING CONTROLLED INSPECTION, ALL PERSONS RESPONSIBLE FOR SUCH CONTROLLED INSPECTION SHALL BE NOTIFIED IN WRITING AT LEAST 72 HOURS PRIOR TO SUCH COMMENCEMENT."
3. NOTICE SHALL BE PROVIDED BY THE PROJECTS OWNER TO ADJOINING PROPERTY OWNERS IN ACCORDANCE WITH THE NYC BLDG CODE: "NO FOUNDATION OF EARTHWORK PERMIT SHALL BE ISSUED UNLESS AND UNTIL AT LEAST FIVE DAYS PRIOR WRITTEN NOTICE OF THE PERMIT APPLICATION SHALL HAVE BEEN GIVEN BY THE APPLICANT TO THE OWNERS OF ALL ADJOINING LOTS, BUILDINGS AND SERVICE FACILITIES WHICH MAY BE AFFECTED BY THE PROPOSED FOUNDATION WORK OR EARTHWORK OPERATIONS."
4. NOTICE SHALL BE PROVIDED BY THE PROJECTS OWNER TO ADJOINNG PROPERTY OWNERS IN ACCORDANCE WITH THE NYC BLDG CODE: "AT LEAST 24 HOURS WRITTEN NOTICE SHALL BE GIVEN TO COMMISSIONER BEFORE THE COMMENCEMENT OF ANY WORK FOR WHICH A PERMIT HAS BEEN ISSUED."
5. ALL WORK PERFORMED IN CONNECTION WITH SHEETING, BRACING, UNDERPINNING, EXCAVATION SHALL ADHERE TO THE APPLICABLE PROVISIONS OF THE NEW YORK CITY BUILDING CODE, THE NEW YORK STATE CODE, REGULATIONS OF THE NEW YORK STATE DEPARTMENT OF LABOR AND OSHA.
6. PRIOR TO COMMENCEMENT OF MASS EXCAVATION, THE ADJOINING PROPERTIES, AND STREETS SHALL BE VISUALLY SURVEYED BY THE CONTRACTOR, SUITABLY MARKED WITH PERMANENT MONITORING POINTS TO BE MEASURED DURING CONSTRUCTION FOR THE PURPOSES OF DETERMINING CONSTRUCTION-RELATED EFFECTS. REPORT WITH PHOTOGRAPHS SHALL BE PROVIDED TO ARCHITECT IN TRIPLICATE COPIES. A PRECONSTRUCTION DAMAGE CONDITION SURVEY OF THE ADJOINING PROPERTIES SHALL BE MADE IN WRITTEN AND PICTORIAL FORM, AND TWO COPIES SHALL BE FURNISHED TO THE OWNER'S REPRESENTATIVE.
7. ANY WATER INFLOW INTO THE EXCAVATION SHALL BE CONTROLLED BY SUMPING OR OTHER SUITABLE METHODS. DISPOSAL OF WATER SHALL BE MADE OUT OF THE EXCAVATED AREA IN ACCORDANCE WITH LOCAL REGULATION. THE ELEVATION OF THE WATER LEVELS BEYOND THE LIMITS OF THE PROJECT SITE SHALL NOT BE LOWERED SO AS TO PREVENT DISTRESS TO ADJOINING STRUCTURES.
8. A COMPETENT REPRESENTATIVE OF THE CONTRACTOR SHALL INSPECT THE SUBGRADE OF THE EXCAVATION, ANY AND ALL BRACING AND BLOCKING, AT THE COMMENCEMENT OF EACH SHIFT, TO ASSURE INTEGRITY, PRIOR TO PERMITTING WORKMEN TO WORK WITHIN ANY EXCAVATED AREA.
9. THE CONTRACTOR SHALL PROVIDE ANY TEMPORARY EXCAVATION RESTRAINT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT. IF A SHEETING OR BRACING SYSTEM IS TO BE UTILIZED, THE DETAILS OF A SHOP DRAWINGS AND SUBMITTED FOR REVIEW AND APPROVAL BY THE ARCHITECT BEFORE COMMENCEMENT OF WORK.
10. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SUBGRADE CONDITIONS PRIOR TO START OF WORK. THESE DRAWINGS DISCOUNT UNDERGROUND WATER CONDITIONS.

SPECIAL NOTES TO OWNER

CONCRETE CRACKS

UNDER NORMAL CONDITIONS, AND FOR CONVENTIONAL BUILDINGS SUCH AS THE SUBJECT MATTER, REINFORCED CONCRETE AS WELL AS CONCRETE BLOCK WALLS DEVELOP CRACKS. THE CRACKS ARE DUE TO INHERENT SHRINKAGE OF CONCRETE, CREEP AND RESTRAINING EFFECTS OF WALLS AND OTHER STRUCTURAL ELEMENTS TO WHICH THE BEAMS/SLABS ARE TIED.

THE CRACKS FORMED ARE NORMALLY COSMETIC.THE SLAB MAINTAINS ITS SERVICEABILITY AND STRENGTH REQUIREMENTS. ITS POSSIBLE THAT A NUMBER OF HAIR CRACKS, WHICH WOULD NORMALLY SPREAD OVER A WIDE AREA, WILL INTEGRATE INTO A SINGLE CRACK WITH A WIDTH EXCEEDING 0.01 INCH. IT IS EMPHASIZED THAT ALTHOUGH SPECIAL EFFORT IS MADE TO REDUCE THE POTENTIAL CAUSES AND NUMBER OF SUCH CRACKS, IT IS NOT PRACTICAL TO PROVIDE TOTAL ARTICULATION BETWEEN THE FLOOR/ROOF SYSTEM AND ITS SUPPORTS AND THEREBY ACHIEVE COMPLETE INHIBITION OF ALL CRACKS.

MOST SUCH CRACKS DEVELOP OVER THE FIRST TWO YEARS OF THE LIFE OF THE FLOOR SYSTEM. CRACKS WHICH ARE WIDER THAN 0.01 INCH MAY NEED TO BE PRESSURE EPOXIED. PROVIDE ALLOWANCE FOR SUCH CRACKS.

THE OBJECT OF THE JOINTS PROVIDED IS TO ALLOW MOVEMENT. MOVEMENTS DUE TO CREEP AND SHRINKAGE MAY BE NOTICEABLE AT JOINTS UP TO TWO YEARS AFTER CONSTRUCTION, BEYOND WHICH MOVEMENTS DUE TO VARIATIONS IN TEMPERATURE WILL PERSIST.

THE BUILDING WAS DESIGNED WITH A MAT FOUNDATION. WHILE OTHER OPTIONS WERE CONSIDERED BY THE DESIGN TEAM (SUCH AS PILES),THE OWNER SELECTED A MAT IN ORDER TO REDUCE THE INITIAL COSTS.

DUE TO THE EXISTING SOIL CONDITIONS WHICH ARE SOFT, SOME FOUNDATION SETTLEMENT IS ANTICIPATED. MOST SETTLEMENT WILL OCCUR INITIALLY, BUT SOME CAN BE EXPECTED TO OCCUR POST CONSTRUCTION. SETTLEMENT CAN MANIFEST ITSELF AS MASONRY AND CONCRETE CRACKS IN THIS BUILDING AND ADJACENT STRUCTURES.

THE OWNER WILL RETAIN THE SERVICES OF A PHOTO-SURVEY CONTRACTOR WHO WILL DOCUMENT ALL PRE- EXISTING CONDITIONS IN ADJACENT BUILDINGS, PRIOR TO START OF CONSTRUCTION. COPIES OF SUCH REPORTS WILL BE KEPT BY THE OWNER.
TO REPAIR THE CRACKS BACK TO ORIGINAL CONDITION, AND PAY FOR SAME.
IN THE EVENT THAT CRACKING OCCURS, THE OWNER WILL INSTRUCT THE CONTRACTOR

STRUCTURAL STEEL

1. UPON AWARD OF CONTRACT, THE CONTRACTOR SHALL RETAIN THE SERVICES OF WES CONSULTANTS LLC TEL. NO.(212)643-0745 OR ANOTHER DETAILER WITH A MIN. OF 5 YEARS PROVEN EXPERIENCE AND ACCEPTABLE TO THE OWNER AND ENGINEER TO PRODUCE SHOP DRAWINGS.
2. ALL STRUCTURAL STEEL WORK SHALL CONFORM WITH AISC SPECIFICATIONS FOR STRUCTURAL STEEL FOR BUILDINGS, LATEST EDITION (LRFD), AS AMENDED TO DATE.
3. ALL STEEL TO BE ASTM-572 (Fy=50 KSI), BASE PL'S CONNECTIONS, ETC. TO BE ASTM A36, Fy=36 KSI. COLUMNS & GIRDERS STIFFENER PLATES - ASTM A572 Fy = 50 KSI.
4. SHOP CONNECTIONS-WELDED OR HIGH STRENGTH BOLTED. FIELD CONNECTIONS HIGH STRENGTH BOLTED UNLESS OTHERWISE SHOWN. ALL WELDED CONNECTIONS SHELL DEVELOP THE FULL STRENGTH OF THE MEMBERS, UNLESS OTHERWISE NOTED.
5. BOLT STEEL SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATION LATEST EDITION: HIGH STRENGTH BOLTS A-325 FRICTION TYP. WELDING ELECTRODES: AMERICAN WELDING SOCIETY A 5.1 E-70 SERIES.
6. ALL BOLTS SHALL BE MINIMUM 3/4" DIA. A 325-F. OPEN HOLES 13/16" DIA. UNLESS OTHERWISE SHOWN OR NOTED. NO SLOTTED HOLES PERMITTED.
7. CONNECTION DESIGN: SHEAR CONNECTIONS: FOR NON-COMPOSITE BEAMS USE THE REACTIONS CAUSED BY THE UNIFORM LOAD REQUIRED TO STRESS THE OUTER FIBERS TO 0.75 Fy, UNLESS OTHERWISE NOTED. FOR COMPOSITE BEAMS USE 2.0 TIMES AFOREMENTIONED REACTION.
8. ALL SHOP AND FIELD WELDS SHALL BE MADE BY APPROVED CERTIFIED WELDERS, AND SHALL CONFORM TO THE AMERICAN WELDING SOCIETY CODE. UNLESS OTHERWISE NOTED, ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE MATERIALS BEING WELDED.
9. THE FRAME SHALL BE CARRIED UP TRUE AND PLUMB, AND TEMPORARY BRACING SHALL BE INTRODUCED WHEREVER NECESSARY TO TAKE CARE OF ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING EQUIPMENT AND THE OPERATION OF SAME. SUCH BRACING SHALL BE THE RESPONSIBILITY OF THE STEEL CONTRACTOR AND SHALL BE LEFT IN PLACE AS LONG AS REQUIRED FOR SAFETY.
10. PROVIDE ALL REQUIRED PLATES, GUSSETS, STIFFENERS, BOLTS, BEAM FILLER METAL, LINTELS, ETC., WHETHER SHOWN ON THE DRAWINGS OR NOT.
11. THE MINIMUM ANGLE THICKNESS SHALL BE 3/8". THE MINIMUM BOLTS SHALL BE 3/4" DIA., AND THE MINIMUM WELD SHALL BE 1/4".
12. ANCHOR BOLTS, BASE PLATES OR BEARING PLATES SHALL BE LOCATED AND BUILT INTO CONNECTING WORK, PRESET BY TEMPLATES OR SIMILAR METHODS. ALL PLATES SHALL BE SET IN FULL BEDS OR NON-SHRINK GROUT.
13. STRUCTURAL MEMBERS WHICH REQUIRE SPRAY-ON FIRE PROOFING SHALL HAVE THE RATING INDICATED ON THE DRAWINGS OR SPECIFICATIONS.
14. SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED BEFORE FABRICATING OR ERECTING ANY WORK. ALL IN ACCORDANCE WITH THE SPECIFICATIONS.
15. STRUCTURAL STEEL DETAILS NOT SPECIFICALLY SHOWN SHALL BE SIMILAR TO THOSE FOR MOST SIMILAR SITUATIONS AS DETERMINED BY THE ARCHITECT.
16. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE (1986), EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS.
17. THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS. CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE SCHEMATIC AND ARE ONLY INTENDED TO SHOW THE RELATIONSHIP OF MEMBERS CONNECTED. CONNECTION DETAILS INDICATED ON THE DRAWINGS SHALL BE INCORPORATED INTO FABRICATOR'S CONNECTION DESIGN. ALL SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY THE FABRICATOR'S ENGINEER WITH THE ENGINEER'S SEAL MAY BE QUALIFIED "FOR DESIGN OF CONNECTIONS ONLY."
18. SPLICING OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.
19. UNLESS NOTED OTHERWISE, BEAMS SHALL BEAR 8" MINIMUM ON CONCRETE OR MASONRY
20. ALL EXPOSED STEEL, GALVANIZE + PAINT.

FOUNDATION

1. ALL FOOTINGS ARE TO REST ON UNDISTURBED SOIL HAVING A MIN. SAFE BEARING CAPACITY OF TONS PER SQUARE FOOT.
2. ISOLATED FOOTINGS SHALL BE LOWERED OR RAISED, AND PIERS SHALL BE ADDED, REDUCED OR INCREASED IN HEIGHT, ALL AS APPROVED BY THE ENGINEER, WHERE UNDISTURBED SOIL OF THE SPECIFIED BEARING CAPACITY IS FOUND AT A LOWER OR HIGHER ELEVATION THAN SHOWN ON THE PLANS.
3. BACKFILLING AGAINST FOUNDATION WALLS SHALL NOT BE DONE UNTIL CONCRETE HAS ATTAINED SUFFICIENT STRENGTH AND WALLS ARE PROPERLY SHORED OR BRACED OBTAIN APPOVAL FROM ENGINEER PRIOR TO
4. EDGES OF FOOTINGS SHALL NOT BE PLACED AT A GREATER THAN 1 (VERTICAL) TO 2 (HORIZONTAL) SLOPE WITH RESPECT TO ANY ADJACENT BACKFILLING
5. THE CONTRACTOR SHALL SAFEGUARD AND PROTECT ALL EXCAVATIONS. FOOTINGS.
6. THE DESIGN OF THE FOUNDATION IS BASED ON BORINGS TAKEN BY SOIL MECHANICS DRILLING CORP. DATED JULY 2011.

SPECIAL EXCAVATION NOTES TO THE CONTRACTOR

1. EXCAVATE ON PROPERTY LINES SUCH AS TO MAINTAIN ADJACENT PROPERTIES UNDAMAGED AT ALL TIMES.
2. REPAIR DAMAGE TO ADJACENT PROPERTIES AT NO COST TO THE OWNER.

MASONRY NOTES

1. MASONRY UNITS SHALL BE CLEARLY INDENTIFIED TO SHOW THE GRADE OF UNIT AND THE COMPRESSIVE STRENGTH WHERE CALLED FOR ON PLANS. REINFORCING BARS SHALL BE ROLLED TO INDENTIFY GRADE OF STEEL AND SIZE, AND TAGGED.
2. MATERIALS SHALL CONFORM TO THE FOLLOWING STANDARDS:

CONCRETE MASONRY UNITS	
SOLID LOADBEARING	ASTM C145
HOLLOW LOADBEARING	ASTM C90
CAST STONE	
HOLLOW NON LOADBEARING	ASTM C 129 (NO EXPOSURE)
METAL ANCHORS AND TIES	
ZINC COATING IN IRON OR STEEL	ASTM A173 1965
ZINC COATING ON WIRE	ASTM A116 1965
COPPER COATED WIRE GRDE 30 HS	ASTM B227 1965

3. PROVIDE STANDARD GALVANIZED DUR-O-WALL REINFORCING EVERY OTHER COURSE, #9 GA. WIRE EA. WAY.
4. CONTROL JOINTS TO BE DUR-O-WALL RAPID CONTROL JOINT, OR APPROVED EQUAL.
5. AT ALL WALL OPENINGS 4'-0" OR GREATER, FILL JAMS SOLID. FILL MASONRY SOLID.
6. MORTAR TO BE TYPE "M" OR "S", ASTM C270.
7. ALL MASONRY TO BE PROPERLY BONDED AND BRACED.
8. BONDING: ALL MULTIPLE WYTHE MASONRY WALLS BY THE FOLLOWING METHODS:
   a. PREFABRICATED JOINT REINFORCEMENT MIN. ONE CROSS WIRE EVERY MAXIMUM VERTICAL SPACING NOT TO EXCEED 16 INCHES.
   b. GROUT BOND, BY PURGING BACK OF BRICK. SS-S-721 1964 FED SPECIFICATION
   c. BRICK HEADERS WHERE SHOWN ON THE DRAWINGS.
9. INTERSECTING WALLS AND PARTITIONS SHALL BE BONDED BY EITHER A TRUE MASONRY BOND BY LAYING AT LEAST 50% OF THE UNITS 3 IN. ON THE UNIT BELOW OR BY 1/4 IN. BY 1-1/2 IN. METAL ANCHORS, ENDS BENT UP 2 IN. OR CROSS PINS ANCHORS 2 FT. LONG. MAXIMUM VERTICAL SPACING 4 FT. OF OTHER EQUIVALENT.
10. WALLS AT JOINING OR INTERSECTION STRUCTURAL FRAMING SHALL BE ANCHORED WITH FLEXIBLE METAL ANCHORS TI STRUCTURAL MEMBERS.
11. CHASES NOT TO BE DEEPER THAN 1/8 THE WALL THICKNESS.
12. LINTELS TO HAVE MINIMUM BEARING ON WALL AT EACH END FOR AT LEAST 6 IN.
13. PARAPET WALLS , ALL CELLS IN HOLLOW MASONRY UNITS TO BE FILLED SOLIDLY. PROVIDE JOINT REINFORCEMENT AT ALL CORNERS EXTENDING AT LEAST 4 FT. IN BOTH DIRECTIONS. PROVIDE COPING AND WEATHERPROOF. FLASHING. HEIGHT OF PARAPET NOT TO EXCEED THREE TIMES THE THICKNESS, UNLESS REINFORCED.
14. PROVIDE TEMPORARY BRACING WHEREVER NECESSARY TO SUPPORT LOADS.
15. MIX MORTAR FOR A MINIMUM OF 5 MIN. MORTAR MAY BE RETEMPERED BY ADDING WATER AND REMIXING. MORTAR SHALL BE USED WITHIN 2-1/2 HOURS OF INITIAL MIXING.
16. THICKNESS OF MORTAR BETWEEN MASONRY UNITS AND REINFORCEMENT MIN. 1/4 IN. BARS OR WIRE 1/4 IN. OR LESS IN DIAMETER EMBEDDED IN HORIZONTAL MORTAR JOINS SHALL HAVE AT LEAST 5/8 IN. HORIZONTAL COVER.
17. PROTECT MASONRY DURING FREEZING OR NEAR FREEZING WEATHER. NO FROZEN MATERIALS SHALL BE USED. HEAT SAND OR WATER TO REMOVE FROST. MANTAIN MIN. 40 DEG. F. AIR TEMP. ON BOTH SIDES FOR A PERIOD OF 48 HOURS IF TYPE N OR O MORTAR IS USED. DO NOT USE CHEMICALS TO LOWER FREEZING TEMPERATURE.
18. STORE MATERIALS IN A MANNER THAT THEY ARE KEPT FREE OF EXCESSIVE DIRT AND WETNESS.
19. MASNORY WORK SHALL PROCEED ONLY AFTER CERTIFICATES INDETIFYING MASONRY STRENGTH & TYPE HAVE BEEN REVIEWED AND APPROVED BY STRUCTURAL ENGINEER.
20. FILL MASNORY VOIDS SOLID UNDER ALL BEARING PLATES. ALSO ALL JAMBS, AND AT 2 BLOCKS MIN.
21. WHERE BRICKS ARE MISSING AT EXISTING BRICKWALLS, FILL IN NEW BRICKS TO RESULT IN SOLID CONSTRUCTION OF MINIMUM THICKNESS REQUIRED. ALL SUCH BRICKS SHALL BE BONDED BY TOOTHING. PROVIDE SUCH REPAIRS THROUGHOUT AS NEEDED.
22. ALL REINFORCEMENT SPLICES, MIN. 40 RE-BAR DIAMETER.
23. SEISMIC PROVISIONS:
   a. MIN. WALL REINFORCEMENT #4 AT 48 INCHES ON CENTER, VERTICAL.
   b. DUR-O-WAL, #9 GA WIRE @16" o.c.-JOINT REINF..
   c. 2#4 AROUND OPENINGS.

SEISMIC LOAD PROVISIONS PER NYCBC (ASCE 07-02)

ITEM	DESCRIPTION/MAGNITUDE	CODE REFERENCE
1. DESIGN SPECTRA DESPONSE S_{DS}	S_{DS}=0.367	NYCBC EQ. No.16-40
DESIGN SPECTRA RESPONSE S_{D1}	S_{D1}=0.114	NYCBC EQ. NO. 16-41
2. SITE (SOIL) CLASS DEFINITIONS	D	NYCBC TABLE No.1615.1.1
3. IMPORTANCE FACTOR	I=1.0	NYCBC TABLE No.1604.5
4. BASIC STRUCTURAL SYSTEM	BUILDING FRAME	NYCBC TABLE No.1617.6.2
5. COEFFICIENT R_w	SPECIAL REINF. MASON. SHEAR WALLS R=5.0 ORDINARY MOMENT FRAMES R=3.0	NYCBC TABLE No.1617.6.2
6. ANALYSIS PROCEDURE	EQUIVALENT STATIC LATERAL FORCE	

SPECIAL INSPECTIONS

1. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN THE SERVICES OF N.WEXLER, P.E., P.C., OR ANOTHER ACCEPTABLE LICENSED PROFESSIONAL ENGINEER WHO SHALL HAVE PROVEN EXPERIENCE ACCEPTABLE TO THE OWNER AND ARCHITECT. MINIMUM REQUIRED QUALIFICATIONS SHALL INCLUDE A PROFESSIONAL LIABILITY INSURANCE COVERAGE OF 1 MILLION DOLLARS AND A MINIMUM PROVEN EXPERIENCE OF 5 YEARS WITH SIMILAR WORK.
2. THE CONTRACTOR'S ENGINEER SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. HE SHALL PROVIDE SPECIAL INSPECTION SERVICES AS FOLLOWS:
   A. STRUCTURAL STEEL - WELDING AND HIGH STRENGTH BOLTING.
   B. STABILITY AND INTEGRITY OF STRUCTURES DURING CONSTRUCTION OPERATIONS.
   C. SHORING AND BRACING.
   D. UNDERPINNING.
   E. SUBGRADE FOR FOOTINGS.
   F. COMPACT FILL.
   G. MASONRY
      -MORTAR, BLOCK, BRICK.
      -THICKNESS
      -REINF.
      -PLACEMENT
      -HEADERS
      -BONDING
   H. CONCRETE
3. THE ENGINEER SHALL PREPARE PLANS, CALCULATIONS, AND NOTES IN THE FORM OF SHOP DRAWINGS, FOR ALL ITEMS OF WORK WHICH DIFFER FROM WHAT IS SHOWN ON THE STRUCTURAL DRAWINGS DUE TO FIELD CONDITIONS. HE SHALL ALSO PREPARE PLANS IN THE FORM OF SHOP DRAWINGS, CALCULATIONS AND NOTES FOR ALL TEMPORARY SHORES AND BRACES AND CLEARLY INDICATE METHOD OF INSTALLATION, SEQUENCE OF OPERATIONS, AND QUALITY CONTROL.
4. THESE SHOP DRAWINGS SHALL BE REVIEWED BY THE ENGINEER OF RECORD AND ARCHITECT PRIOR TO CONSTRUCTION. WORK SHALL BE EXECUTED FROM REVIEWED SHOP DRAWINGS ONLY.
5. COPIES OF SUCH DRAWINGS WHICH INCLUDE THE ARCHITECT'S COMMENTS SHALL BE FILED WITH THE DEPARTMENT OF BUILDINGS (ON AMENDMENT FORMS). ADDITIONALLY, AT COMPLETION OF WORK, FORMS INCLUDING ALL INSPECTION REPORTS PREPARED BY THE CONTRACTOR'S ENGINEER SHALL BE FILED WITH THE DEPARTMENT OF BUILDINGS.
6. THE SPECIAL INSPECTION ENGINEER SHALL DETERMINE THE FREQUENCY OF INSPECTIONS NEEDED AND WHETHER HE OR SHE SHOULD INSPECT THE SITE PERSONALLY OR SEND A PERSON UNDER HIS OR HER DIRECT SUPERVISION. AT A MINIMUM, THE SITE MUST BE INSPECTED TWICE, ONCE AT A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR AND ONCE DURING CONSTRUCTION OPERATIONS.
7. THE SPECIAL INSPECTION ENGINEER, SHALL MAINTAIN A LOG IN HIS OR HER OFFICE WHICH INCLUDES THE FOLLOWING INFORMATION:
   (i) ADDRESS OF THE PREMISES, JOB NUMBER, CONTRACTOR NAME AND ADRESS, AND
   (ii) DATE AND TIME OF EACH INSPECTION INCLUDING
      (A) NAMES OF PERSONNEL WHO INSPECTED THE SITE, AND
      (B) ANY SIGNIFICANT OBSERVATIONS OR INSTRUCTIONS GIVEN RELATING TO ANY OF THE FOLLOWING:
      (1) DEVIATIONS FROM THE CONTRACT DOCUMENTS.
      (2) ANTICIPATED FIELD CONDITIONS;
      (3) PROPER EXECUTION OF THE WORK;
      (4) GOOD ENGINEERING PRACTICE;
      (5) SAFE JOB-SITE CONDITIONS;
      (6) PRECAUTIONS TAKEN TO MAINTAIN SAFE CONDITIONS IF WORK IS STOPPED FOR ANY REASON.
   (iii) THE DATE OF AND PARTICIPANTS IN ANY CONVERSATIONS WITH THE SPECIAL INSPECTION ENGINEER OCCURING OFF-SITE AND RELATING TO ANY SIGNIFICANT OBSERVATIONS OR INSTRUCTIONS.
8. THE SPECIAL INSPECTION ENGINEER SHALL RETAIN A COPY OF THE DOCUMENTS DESCRIBED ABOVE IN HIS OR HER OFFICE AND SHALL PROVIDE A COPY TO THE CONTRACTOR AND/OR OWNER TO BE KEPT AT THE CONSTRUCTION SITE.
9. THE SPECIAL INSPECTION ENGINEER RESPONSIBLE FOR SPECIAL INSPECTION SHALL REPORT UNSAFE CONDITIONS TO THE DEPARTMENT OF BUILDINGS AND/OR ANY OTHER AFFECTED PARTIES OR AGENCIES.
10. UPON REQUEST OF THE DEPARTMENT, THE SPECIAL INSPECTION ENGINEER SHALL MAKE AVAILABLE FOR REVIEW BY THE DEPARTMENT DOCUMENTS AND THE LOG DESCRIBED ABOVE.

PRECAST CONCRETE

1. UPON AWARD OF CONTRACT, THE CONTRACTOR SHALL RETAIN THE SERVICES OF A DETAILER WITH A MIN. OF 5 YEARS PROVEN EXPERIENCE AND ACCEPTABLE TO THE OWNER AND ENGINEER TO PRODUCE SHOP DRAWINGS.
2. ALL PRECAST CONCRETE SHALL BE STONE CONCRETE HAVING AN ULTIMATE COMPRESSIVE STRENGTH OF 4000 PSI AFTER 28 DAYS, MIN. 6.5 BAGS CUBIC YARD.
3. MANUFACTURING PROCEDURES SHALL BE IN GENERAL COMPLIANCE WITH PCI MNL-117.
4. CURE PRECAST UNITS UNTIL 2000 PSI MIN. COMPRESSIVE STRENGTH HAS DEVELOPED, BEFORE REMOVING THE UNITS FROM FORMS.
5. MARK EACH PIECE TO CORRESPOND TO IDENTIFICATION MARK ON SHOP DRAWINGS AND MARK THE DATE CAST.
6. FOR CONCRETE WORK QUALITY CONTROL AND TOLERANCES - SEE SPECIFICATIONS AND MNL-117.
7. FIELD CONDITIONS SHALL BE DETERMINED BY ACTUAL MEASUREMENTS PRIOR TO CASTING.
8. PROVIDE ALL TEMPORARY SUPPORTS, BRACING, ETC. AS REQUIRED TO MAINTAIN POSITION, STABILITY, ALIGMENT, AS UNITS ARE BEING CONNECTED.
9. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY AT ALL TIMES DURING CONSTRUCTION. REPORT ANY DEVIATION TO THE ENGINEER FOR POSSIBLE REDESIGN AND PROPER COORDINATION.
10. STORE UNITS AT THE SITE PRIOR TO ERECTION. WELDING OF CONNECTIONS SHALL NO BE DONE UNTIL AT LEAST 40 DAYS AFTER CONCRETE HAS BEEN CAST.
11. SHOP DRAWINGS & CALCULATIONS, PREPARED & SIGNED BY A LICENSED PROFESSIONAL ENGINEER IN NY STATE, SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.
12. PROVIDE MANUFACTURER'S CATALOG IDENTIFYING STRENGTH OF PRECAST PLANK UNITS PRIOR TO CONSTRUCTION.
13. WARRANTY ALL WORK FOR A PERIOD OF 12 MONTHS FROM DATE OF ACCEPTANCE.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM WITH THE REQUIREMENTS OF THE CONCRETE INSTITUTE (ACI) 318.89.
2. ALL CONCRETE, EXCEPT AS SPECIFICALLY NOTED HEREIN, SHALL BE STONE CONCRETE HAVING AN ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AFTER 28 DAYS AND SHALL HAVE A MINIMUM CEMENT CONTENT OF AT LEAST 5-1/2 BAGS PER CUBIC YARD. CONCRETE FOR SLAB ON GRADE SHALL BE 4000 PSI CONCRETE. CONCRETE ON METAL DECK SHALL BE STONE AGGREGATE, 3000 PSI CONCRETE. CONCRETE FOR FOOTINGS AND FOUNDATIONS, 4000psi.
3. (a) REINFORCING FOR REINFORCED CONCRETE ELEMENTS, UNLESS OTHERWISE SHOWN OR SPECIFIED, SHALL BE DEFORMED IN ACCORDANCE WITH ASTM-A615, GRADE 60 AND SHALL HAVE A MINIMUM YIELD POINT OF 60,000 PSI.
   (b) REINFORCING FOR COLUMN TIES AND BEAM STIRRUPS SHALL BE DEFORMED IN ACCORDANCE WITH ASTM-A615, GRADE 40 AND SHALL HAVE A MINIMUM YIELD POINT OF 40,000 PSI.
4. WELDED WIRE FABRIC SHALL HAVE A MINIMUM ULTIMATE STRENGTH OF 70,000 PSI.
5. MINIMUM REINFORCEMENT PROTECTION, UNLESS OTHERWISE SHOWN, SHALL BE 3/4" FOR SLABS AND INTERIOR FACES OF WALLS, 1-1/2" FOR BEAMS AND GIRDERS, 2" FOR EXTERIOR FACES OF WALLS, 3" FOR FOOTINGS AND OTHER STRUCTURAL CONCRETE DEPOSITED AGAINST GROUND.
6. NO CONCRETE SHALL BE POURED UVIT THE REQUIRED PRELIMINARY TESTE (PER NYCBC) HAVE BEEN MADE AND APPROVED.
7. ALL STRUCTURAL MEMBERS SHALL BE POURED FOR THEIR FULL DEPTH IN ONE OPERATION. CONSTRUCTION JOINTS, SUCH AS DAYS POUR JOINTS, SHALL BE LOCATED IN THE MIDDLE THIRD OF THE SPAN. MAIN REINFORCING SHALL RUN THROUGH THE JOINT. POUGHEN AND PICK JOINTS TO EXPOSE AGGREGATE FOR CHEMICAL BOND. WET THOROUGHLY AND SLUSH JOINT WITH 1:2 MORTAR, 1/2"THICK, NOT MORE THAN 5 MINUTES BEFORE FRESH CONCRETE IS POURED AGAINST SURFACE.
8. ALL OPENINGS IN FOUNDATION WALLS, UNLESS OTHERWISE SHOWN, SHALL HAVE 2 #6 BARS ADDITIONAL ON ALL SIDES AND SHALL EXTEND 2'-6" BEYOND EDGES OF OPENINGS.
9. THE CONTRACTOR SHALL COOPERATE WITH OTHER TRADES AND WHERE REQUIRED, INSTALL ALL BUILT-IN-WORK, SLEEVES, OPENINGS, INSERTS, ETC. AS REQUIRED FOR A CONCRETE JOB. LOCATION OF SLEEVES AND OPENINGS NOT SHOWN ON PLANS IS SUBJECT TO APPROVAL OF STRUCTURAL ENGINEER.
10. PROVIDE VERTICAL DOVETAIL INSERTS AT 2'-0" O.C. MAXIMUM IN ALL CONCRETE SURFACES FACED WITH 1'-3" OR GREATER HEIGHT OF BRICK OR BLOCK.

SLABS ON GRADE NOTES

1. FLOOR SLABS ON GROUND SHAL BE POURED TO THE THICKNESS SHOWN ON THE DRAWINGS ON VAPOR BARRIER.
2. VAPOR BARRIER SHALL BE POLYETHYLENE PLASTIC HAVING A MINIMUM THICKNESS OF 8 MILS (.008), FREE OF PINHOLES AND OTHER BLEMISHES AND SHALL BE INSTALLED OVER COMPACTED POROUS FILLING ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. ALL JOINTS SHALL BE LAPPED 12" AND TAPED.
3. PROVIDE A 6" THICK LAYER OF POROUS FILL BENEATH ALLSLABS ON GROUND. COMPACT FILL TO 95% OF MAXIMUM DENSITY IN COMFORMANCE TO ASTM D1557-66T. MATERIAL SHALL CONSIST OF HARD, DURABLE PARTICLES, FREE OF ORGANIC MATTER, RUBBLE AND ALL DELETERIOUS SUBSTANCWS. MAXIMUM PARTICLE SIZE SHALL BE 2", 10% TO 60% BY WEIGHT RETAINED ON THE #10 SIEVE, LESS THAN 40% BY WEIGHT PASSING THE No.60 SIEVE, AND NOT MORE THAN 10% WEIGHT PASSING THE No.200 SIEVE.
4. SLABS ON GROUND SHALL BE POURED IN CHECKERBOARD FASHION TO MINIMIZE THE SHRINKAGE. THE MAXIMUM AREA OF POUR SHALL BE 1000 SQUARE FEET WITH NO DIMENSION EXCEEDING 35 FEET.
5. MAXIMUM OUTSIDE DIAMETER OF PIPE OR CONDUIT PLACED IN SLABS ON GROUND SHALL BE LIMITED TO ONE-THIRD THE THICKNESS OF THE SLAB. THE MINIMUM CONCRETE COVER TOP AND BOTTOM SHALL BE ONE-THIRD THE THICKNESS OF THE SLAB.
6. PROVIDE A 9" THICKENED SLAB FOR WIDTH OF 6" EACH SIDE OF JOINT AND A 2" x 3" CONTINUOUS KEY AT CONSTRUCTION JOINTS AND CONTINUE MESH THROUGH JOINTS.

PROMESA

PROJECT TITLE:
SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
BRONX, NY 10458

KEY PLAN:

THE LISBON

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JOB #: 09J06
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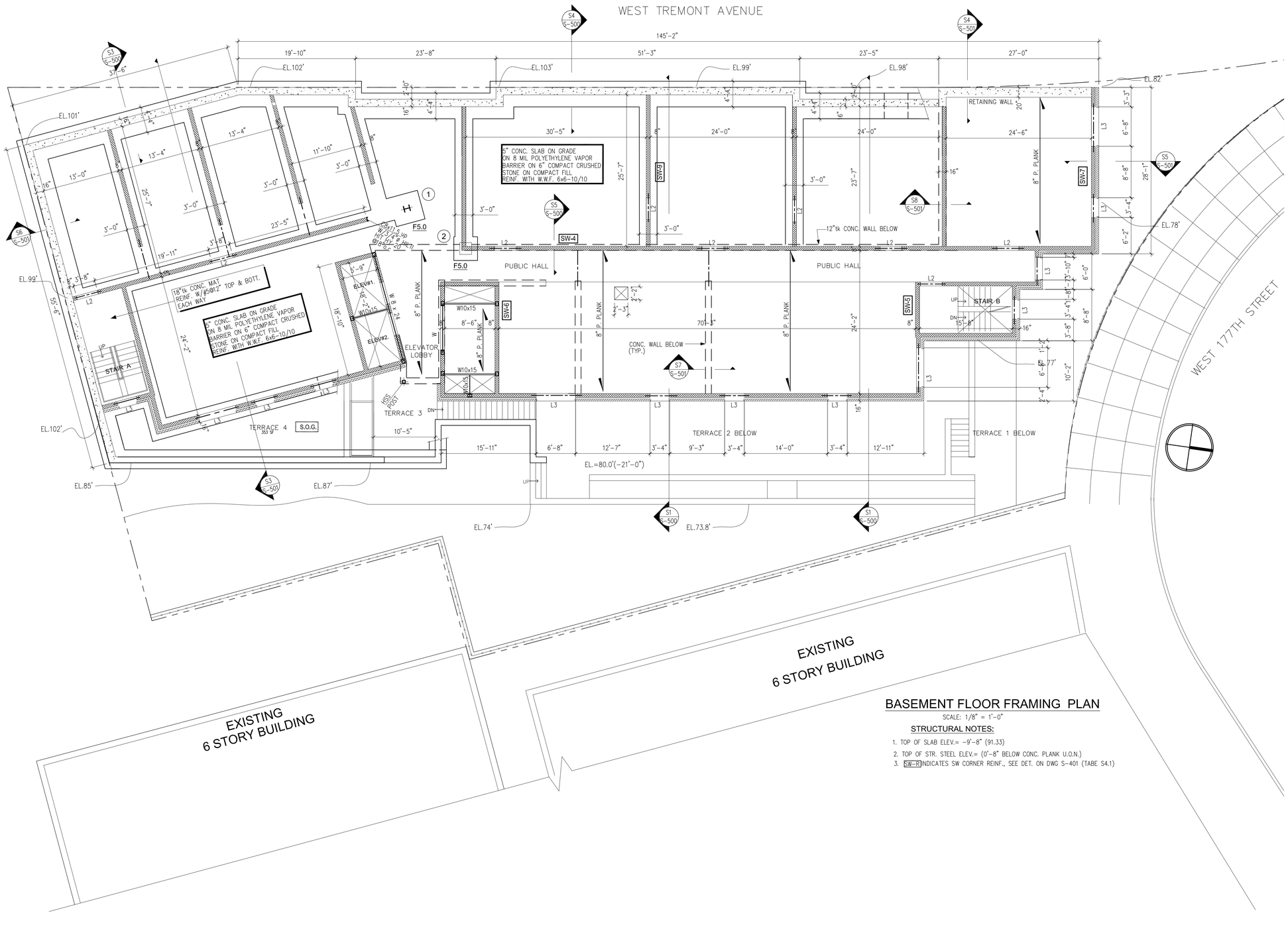

BASEMENT FLOOR FRAMING PLAN

SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF SLAB ELEV.= -9'-8" (91.33)
2. TOP OF STR. STEEL ELEV.= (0'-8" BELOW CONC. PLANK U.O.N.)
3. SW-# INDICATES SW CORNER REINF., SEE DET. ON DWG S-401 (TABE S4.1)

PROMESA

PROJECT TITLE:

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BASEMENT FLOOR FRAMING PLAN

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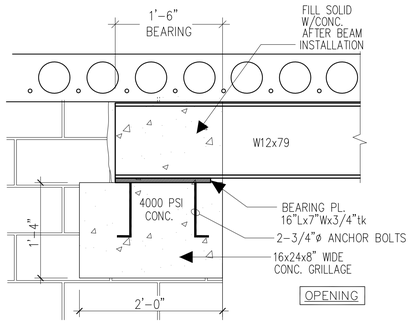
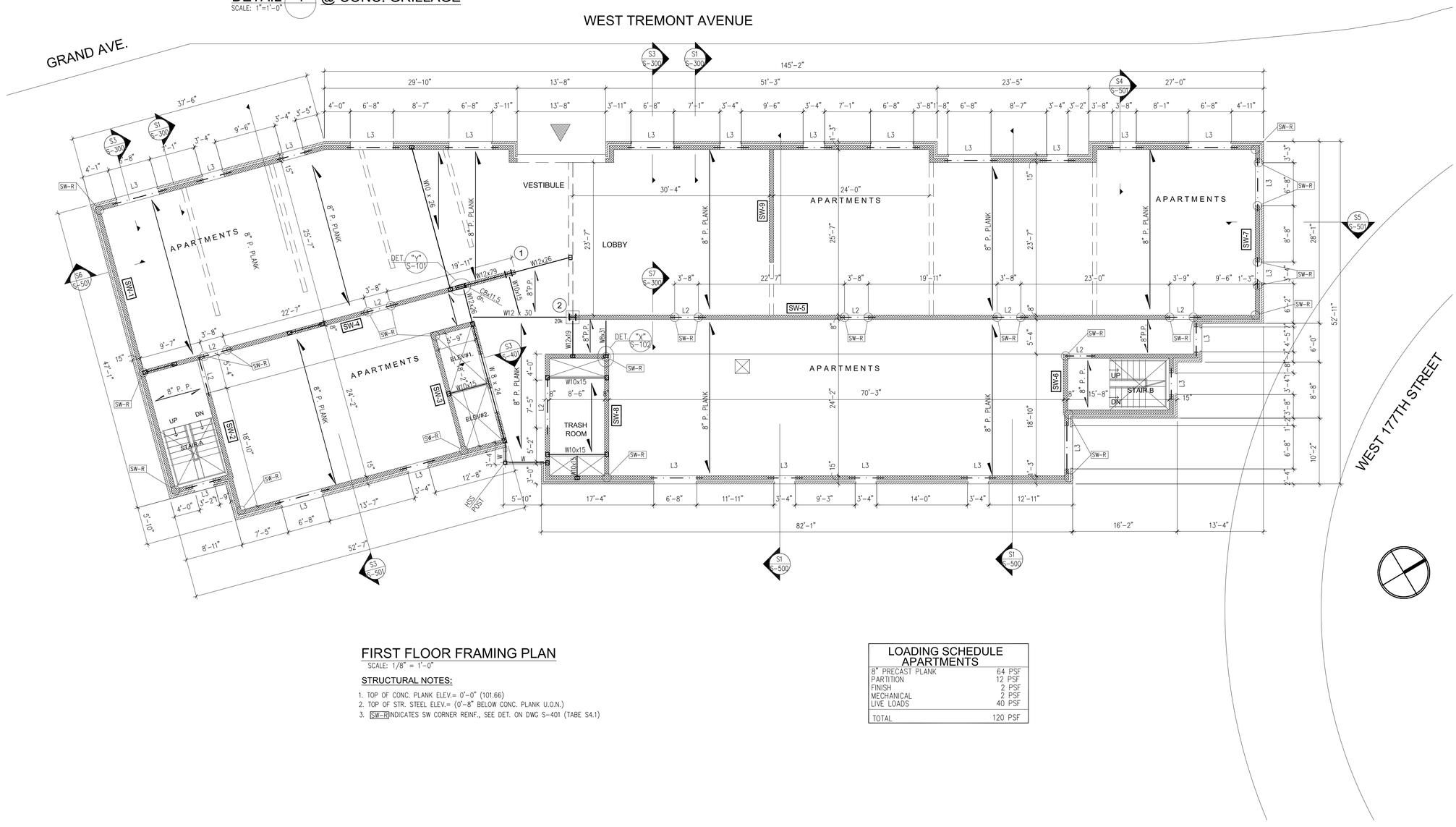


DETAIL "Y" @ CONC. GRILLAGE
SCALE: 1"=1'-0"



FIRST FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF CONC. PLANK ELEV.= 0'-0" (101.66)
2. TOP OF STR. STEEL ELEV.= (0'-8" BELOW CONC. PLANK U.O.N.)
3. SW-R INDICATES SW CORNER REINF., SEE DET. ON DWG S-401 (TABE S4.1)

LOADING SCHEDULE APARTMENTS	
8" PRECAST PLANK	64 PSF
PARTITION	12 PSF
FINISH	2 PSF
MECHANICAL	2 PSF
LIVE LOADS	40 PSF
TOTAL	120 PSF

PROMESA

PROJECT TITLE:
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FIRST FLOOR FRAMING PLAN

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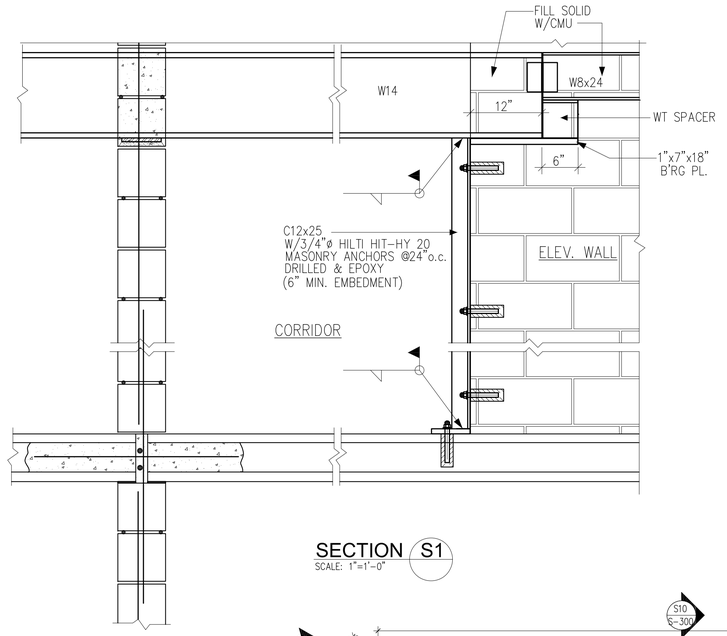
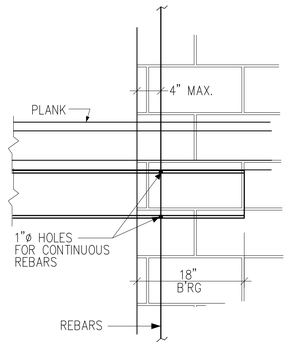
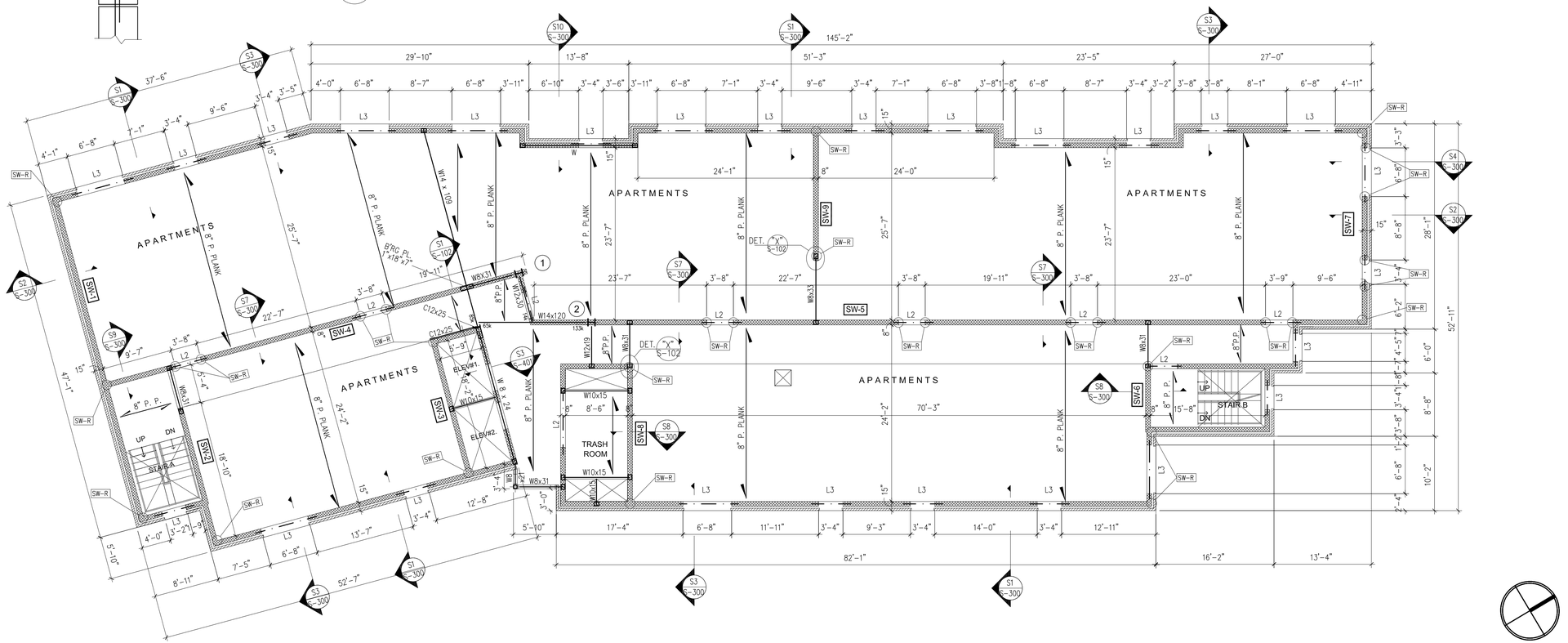


SECTION S1
SCALE: 1"=1'-0"



DETAIL "X"
SCALE: 1"=1'-0"



SECOND FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF CONC. PLANK ELEV.= 9'-6" (111.16)
2. TOP OF STR. STEEL ELEV.= (0'-8" BELOW CONC. PLANK U.O.N.)
3. SW-R INDICATES SW CORNER REINF., SEE DET. ON DWG S-401 (TABE S4.1)

LOADING SCHEDULE APARTMENTS	
8" PRECAST PLANK	64 PSF
PARTITION	12 PSF
FINISH	2 PSF
MECHANICAL	2 PSF
LIVE LOADS	40 PSF
TOTAL	120 PSF

PROMESA

PROJECT TITLE:

SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
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SECOND FLOOR FRAMING PLAN

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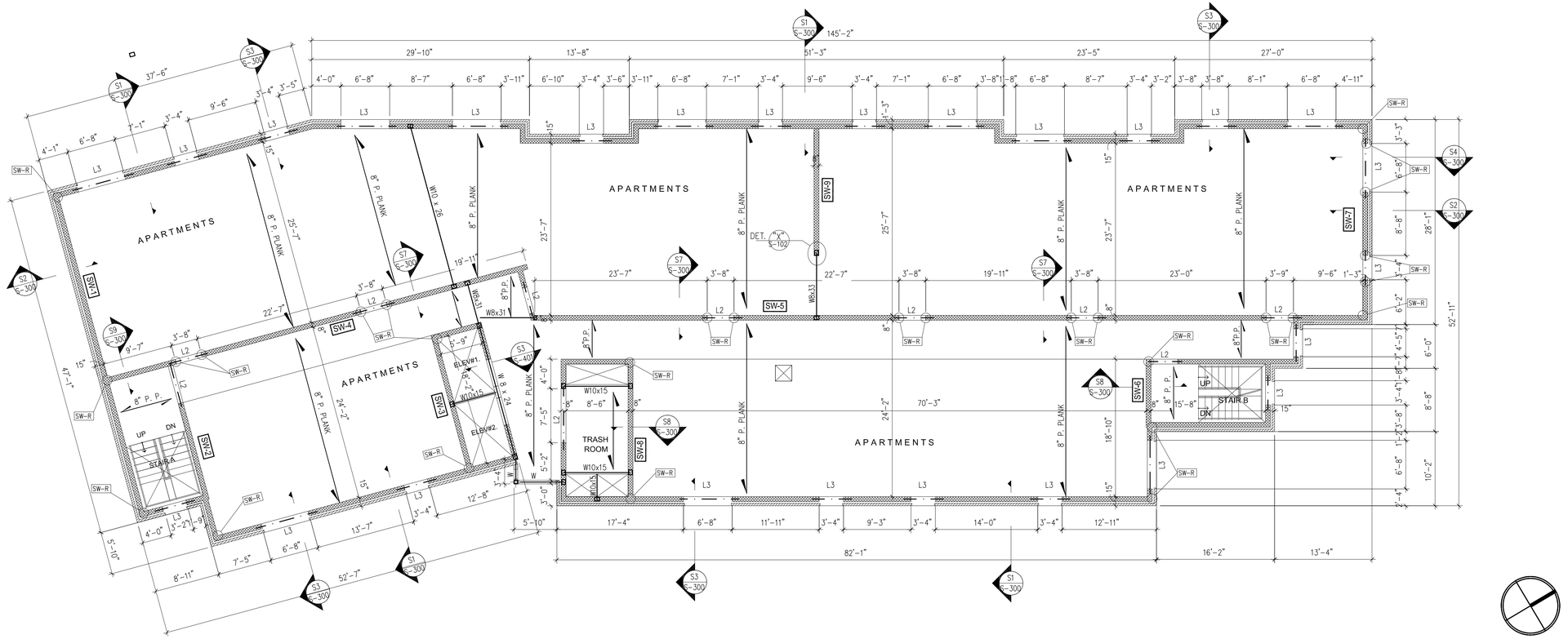

TYPICAL (3-5) FLOOR FRAMING PLAN

SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF CONC. PLANK ELEV.- 3rd FLOOR =18'-6" (120.16)
   4th FLOOR =27'-6" (129.16)
   5th FLOOR =36'-6" (138.16)
2. TOP OF STR. STEEL ELEV.= (0'-8" BELOW CONC. PLANK U.O.N.)
3. SW-R INDICATES SW CORNER REINF., SEE DET. ON DWG S-401 (TABE S4.1)

LOADING SCHEDULE APARTMENTS	
8" PRECAST PLANK	64 PSF
PARTITION	12 PSF
FINISH	2 PSF
MECHANICAL	2 PSF
LIVE LOADS	40 PSF
TOTAL	120 PSF

PROMESA

PROJECT TITLE:

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TYPICAL(3-5) FLOOR
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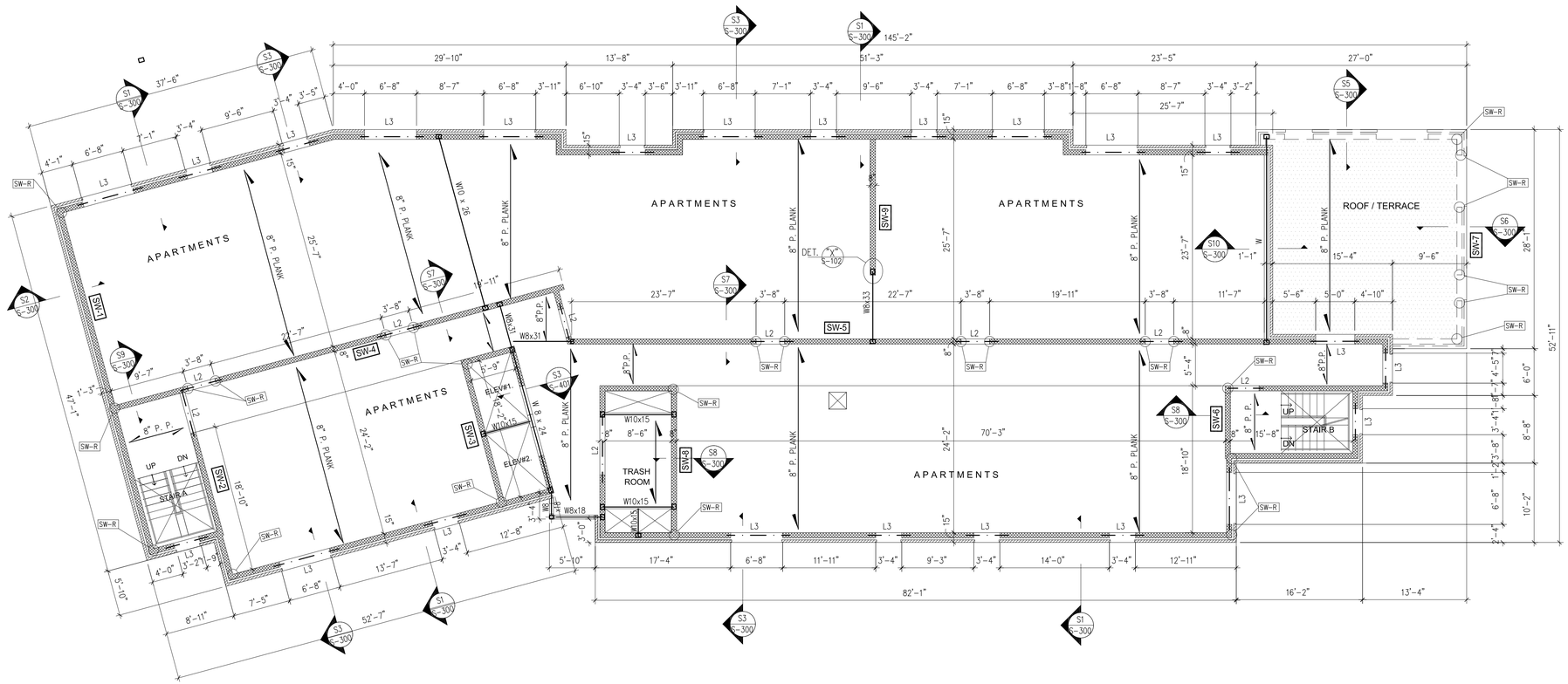

SIXTH FLOOR FRAMING PLAN

SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF CONC. PLANK ELEV.= 45'-10" (147.49)
2. TOP OF STR. STEEL ELEV.= (0'-8" BELOW CONC. PLANK U.O.N.)
3. SW-R INDICATES SW CORNER REINF., SEE DET. ON DWG S-401 (TABE S4.1)

LOADING SCHEDULE APARTMENTS	
8" PRECAST PLANK	64 PSF
PARTITION	12 PSF
FINISH	2 PSF
MECHANICAL	2 PSF
LIVE LOADS	40 PSF
TOTAL	120 PSF

LOADING SCHEDULE ROOF/TERRACE	
8" PRECAST PLANK	64 PSF
ROOFING+INS.	7 PSF
TOPPING	30 PSF.
MECHANICAL	2 PSF
LIVE LOADS	100 PSF
TOTAL	203 PSF

PROMESA

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1	PRELIMINARY	06/21/2012
3	ISSUED FOR BID	10-12-12

DRAWING TITLE:

SIXTH FLOOR
FRAMING PLAN

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JOB #: 09J06

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SCALE: AS NOTED

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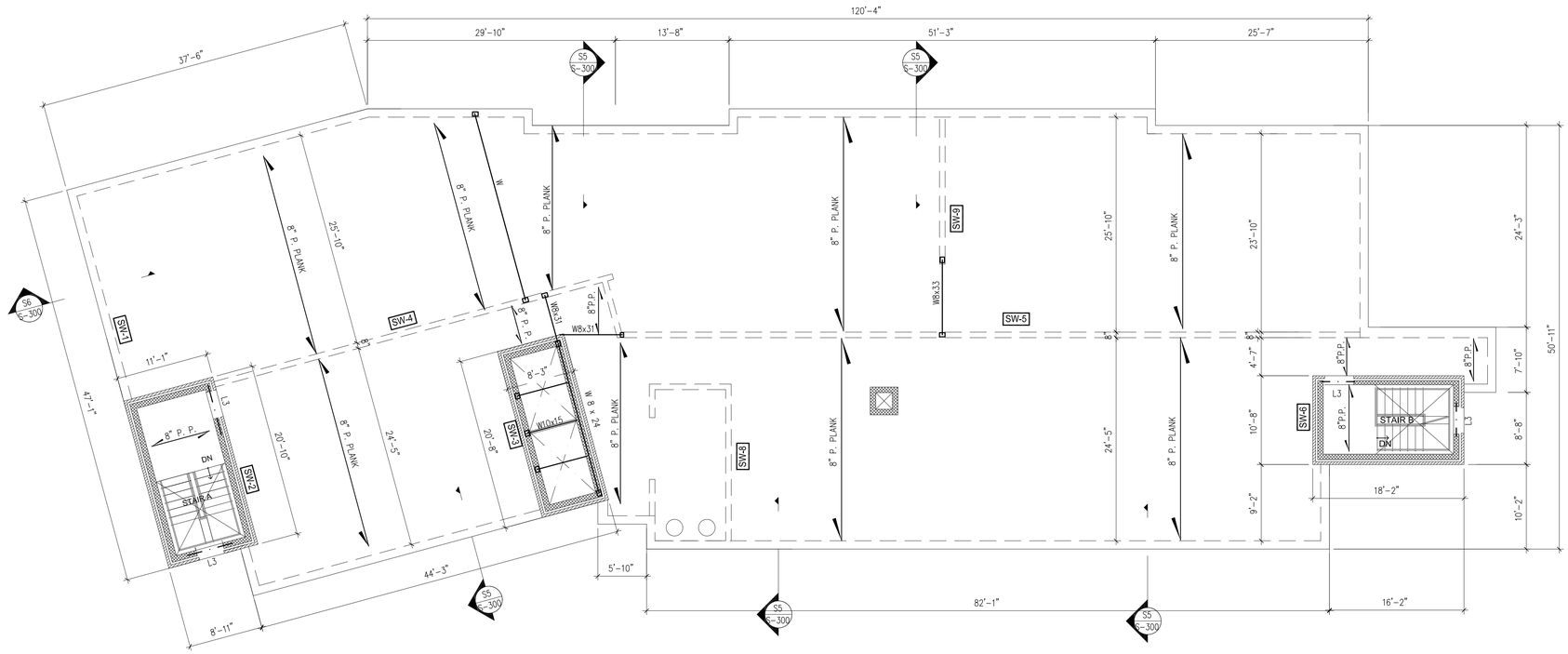


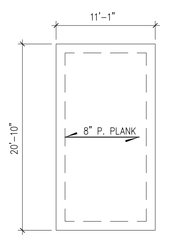
ROOF FRAMING PLAN

SCALE: 1/8" = 1'-0"

STRUCTURAL NOTES:

1. TOP OF PLANK ELEVATION=55'-6" (157.16)
2. TOP OF STR. STEEL ELEV.= (0'-8" BELOW CONC. PLANK U.O.N.)
3. SW-R INDICATES SW CORNER REINF., SEE DET. ON DWG S-401 (TABE S4.1)

LOADING SCHEDULE ROOF	
8" PRECAST PLANK	64 PSF
ROOFING+INS.	7 PSF
TOPPING	30 PSF.
MECHANICAL	2 PSF
LIVE LOADS	60 PSF
TOTAL	163 PSF

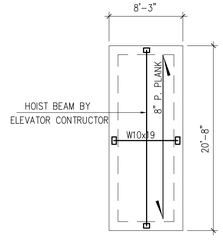


STAIR "A" BULKHEAD FRAMING PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. TOP OF PLANK ELEV.= 64'-8" (166.33)

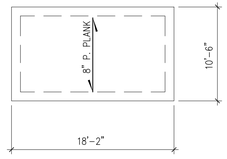


ELEVATOR BULKHEAFRAMING PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. TOP OF PLANK ELEV.=



STAIR "B" BULKHEAD FRAMING PLAN

SCALE: 1/8" = 1'-0"

NOTES:

1. TOP OF PLANK ELEV.= 64'-8" (166.33)

PROMESA

PROJECT TITLE:

SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
BRONX, NY 10458

KEY PLAN:

THE LISBON

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NO:	REVISION:	DATE:
1	PRELIMINARY	06/21/2012
3	ISSUED FOR BID	10-12-12

DRAWING TITLE:

ROOF & BULKHEADS
FRAMING PLAN

ARCHITECT:
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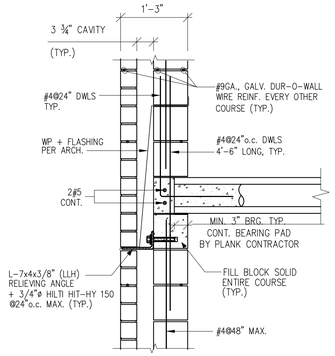

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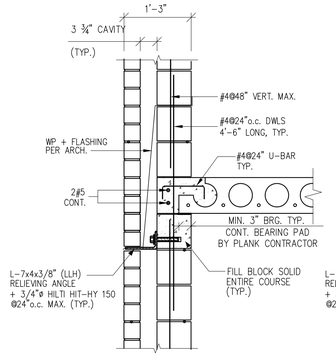

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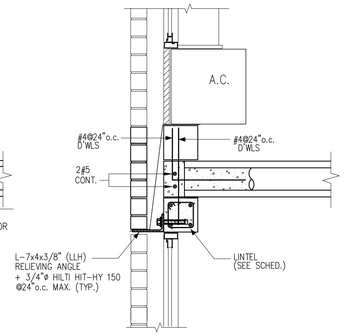

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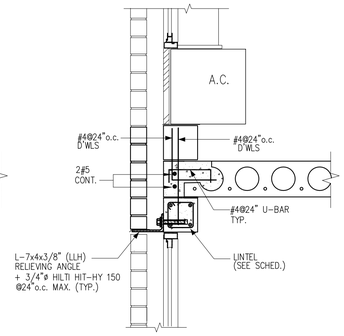

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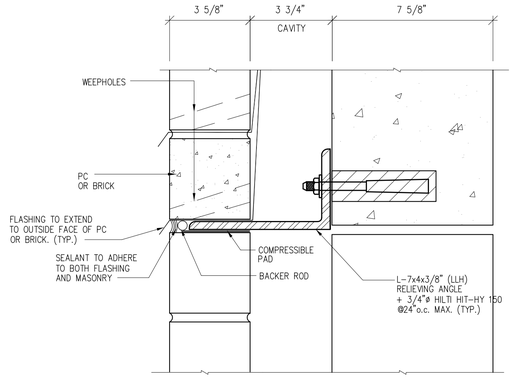
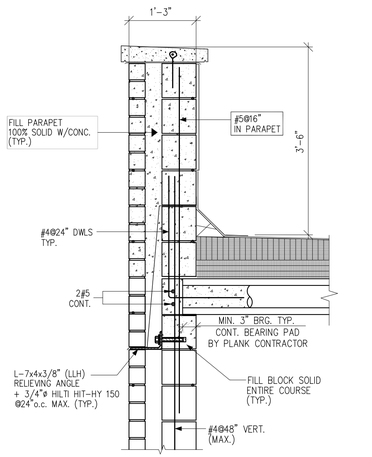


DETAIL "Y"
SCALE: N.T.S.



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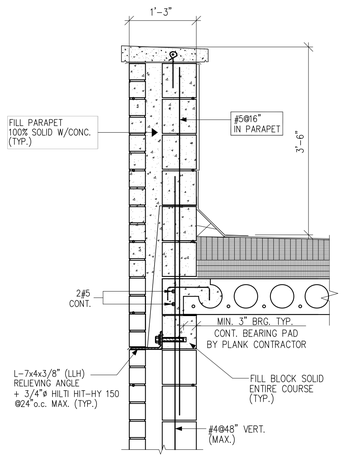

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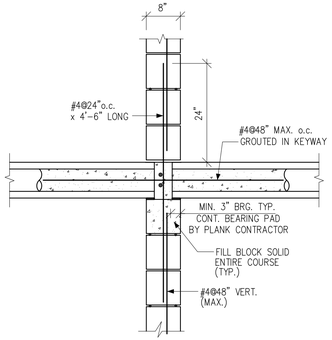

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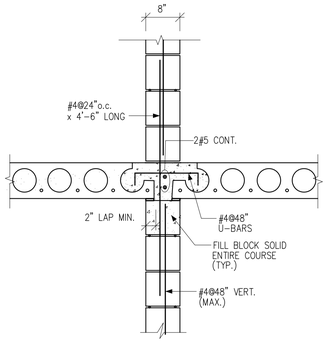

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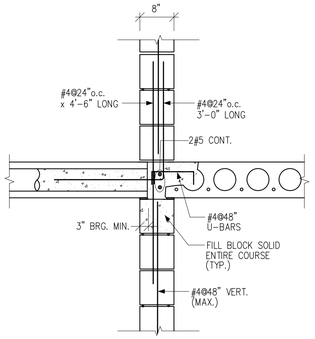

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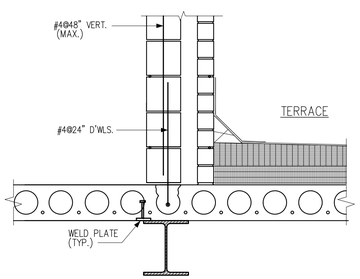

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WALL SECTIONS

ARCHITECT:
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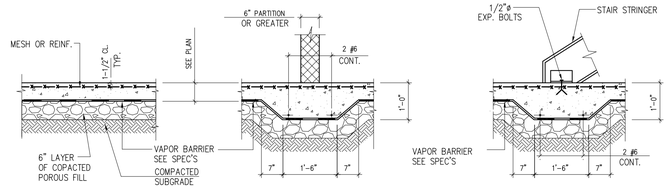


A

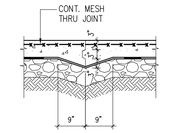
TYPICAL

B

AT PARTITION

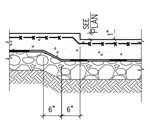
C

AT STAIR SUPPORT



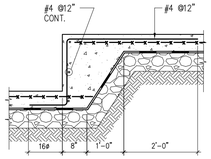
D

AT CONSTRUCTION JOINT



E

AT DEPRESSION 8" OR LESS

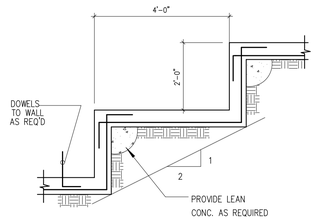


F

AT DEPRESSION GREATER THAN 8"

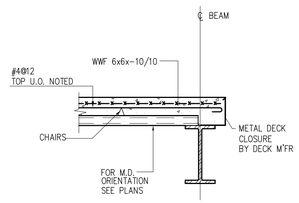
TYPICAL SLAB ON GRADE DETAILS

S1



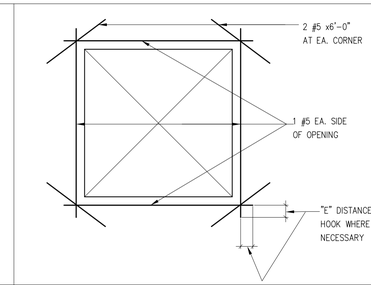
TYP. STEPPED FOOTING DETAIL

S2



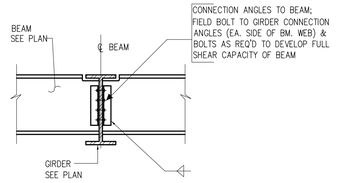
TYP. DETAIL AT FLOOR OPENING

S4



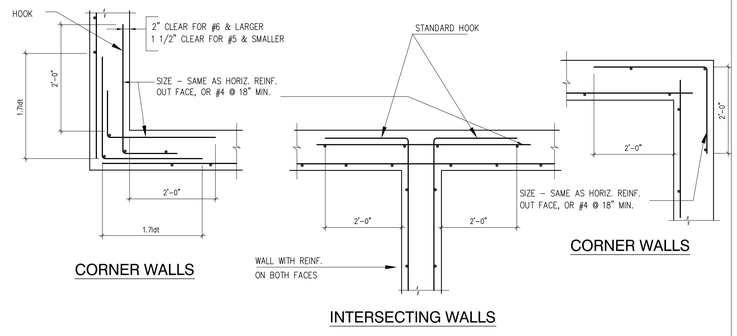
TYP. DETAIL OF ADDED REINF. @ WALL OPENING

S3



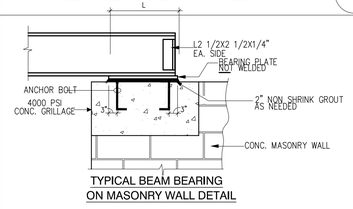
TYP. BEAM TO GIRDER CONNECTION

S5

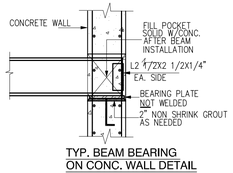


DETAIL OF REINFORCING AT WALL CORNERS

S6



TYPICAL BEAM BEARING ON MASONRY WALL DETAIL



TYP. BEAM BEARING ON CONC. WALL DETAIL

BEAM BEARING PLATE ON 8" MASONRY WALL		
REACTION	SIZE (W x L)	GRILLAGE
50k	6 x 8	——
75k	6 x 12	——
100k	7 x 14	——
150k	7 x 12	11 x 20 CONC. GRILLAGE
200k	7 x 12	12 x 24 CONC. GRILLAGE
250k	7 x 12	12 x 36 CONC. GRILLAGE

BEAM BEARING PLATE ON 12" MASONRY WALL		
REACTION	SIZE (W x L)	GRILLAGE
50k	10 x 8	——
75k	10 x 12	——
100k	11 x 14	——
150k	11 x 12	11 x 20 CONC. GRILLAGE
200k	11 x 12	12 x 24 CONC. GRILLAGE
250k	11 x 12	12 x 36 CONC. GRILLAGE

BEAM BEARING PLATE ON CONCRETE WALL	
REACTION	SIZE (L x W x thickness)
50k	10 x 10 x 3/4"
100k	12 x 12 x 3/4"
150k	12 x 12 x 1"
200k	14 x 12 x 1"
250k	16 x 12 x 1 1/2"

TYPICAL BEAM BEARING PLATE DETAIL

S7

PROMESA

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TYPICAL SECTIONS & DETAILS

ARCHITECT:
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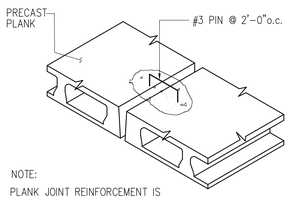
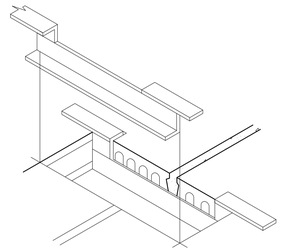
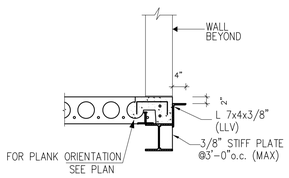


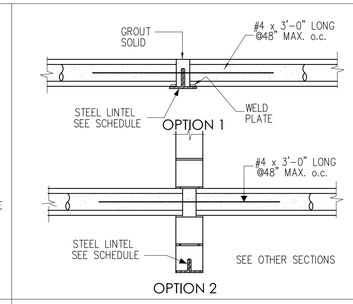
TYP. JOINT REINFOCEMENT DETAIL S1



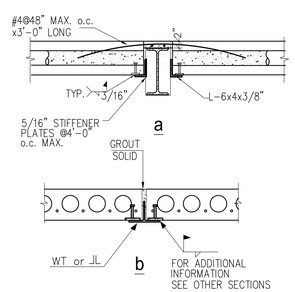
TYPICAL PLANK SUPPORT DETAIL AT FLOOR OPENING S2



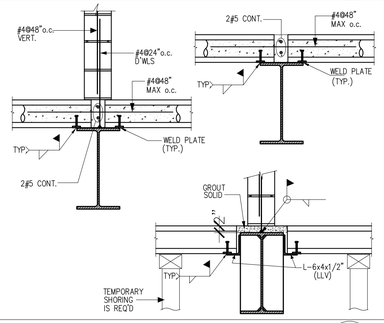
ELEVATOR SILL DETAIL S3



SECTIONS @ LINTELS S4



SECTION S5



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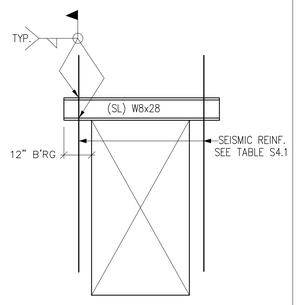
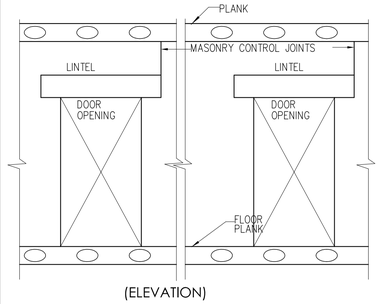
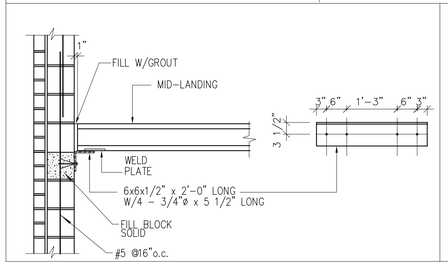


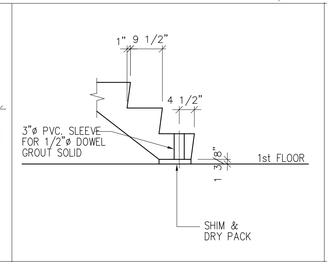
TYPICAL DETAIL @ SEISMIC LINTEL (SL) S7



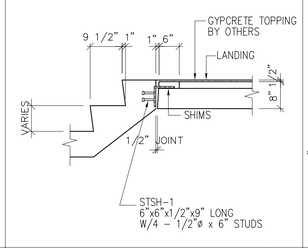
TYPICAL MASONRY CONTROL JOINT AT INTERIOR MASONRY BEARING WALLS S8



SECTION S9



SECTION S10



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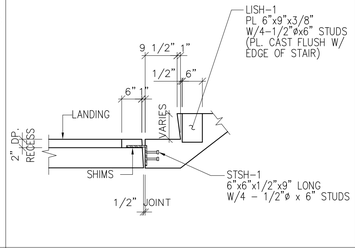
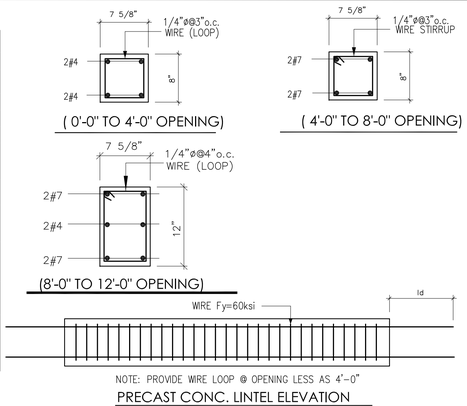


SECTION S12

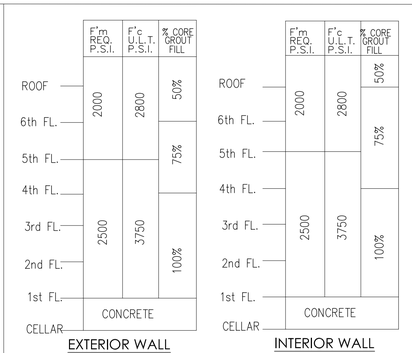
TYPICAL PRECAST CONCRETE STAIRS SUPPORT DETAILS

LOOSE LINTEL SCHEDULE

MARK	SIZE			
	WALL THICKNESS	UNDER 4'-0" OPENING	4'-0" TO 8'-0" OPENING	8'-0" TO 12'-0" OPENING
L1	4"	IL-4x3 1/2x5/16	IL-4x3 1/2x3/8	
	6"	IL-5x3 1/2x5/16	IL-5x5x3/8	1L-8x6x7/16
	8"	2Ls-4x3x5/16	2Ls-4x3x3/8	2Ls-6x3 1/2x3/8
	NOTES: 1.-PLACE 5"LEG HORIZONTAL(MIN.) 2.-ADD 1L FOR EA. ADDITIONAL 4" EA. OF MASONRY WALL			
L2	UNDER 4'-0" OPENING		4'-0" TO 6'-0" OPENING	6'-0" TO 8'-0" OPENING
	OPTION 1	∡ 2- 6x4x3/8(LLV)	∡ 2- 6x4x3/8(LLV)	W8x24
L3	L-7x4x3/8" LLH, CONT. , EXTERIOR EXPOSURE, OR GALV. + HSS 7x7x1/4" (DO NOT WELD ANGLE TO HSS TUBE!)			
L3 (OPTIONAL)	L-7x4x3/8" LLH, CONT. , EXTERIOR EXPOSURE, OR GALV. + PRECAST CONC. LINTEL (SEE DETAILS)			
NOTES: 1.-PROVIDE 6" BEARING AT EA. END a. L1 AT NON-BEARING MASONRY WALLS. b. L2 AT BEARING MASONRY WALLS. c. L3 AT EXTERIOR WALLS.				



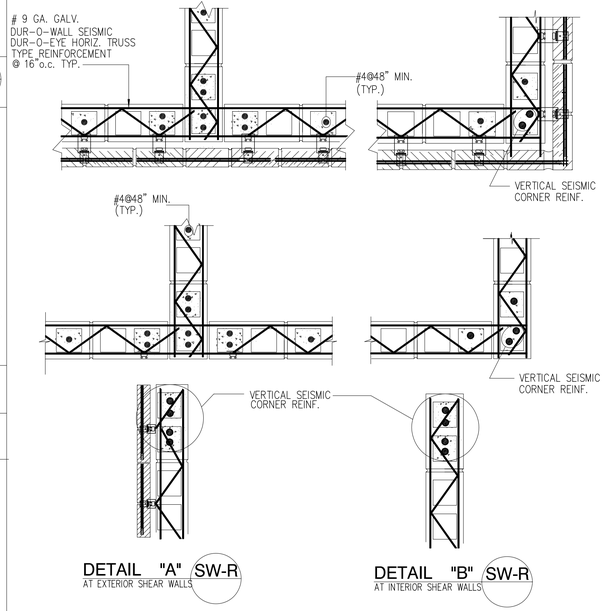
LOOSE LINTEL SCHEDULE S13



TYPICAL BEARING WALL SCHEDULE S14

TABLE S4.1 SHEAR WALL END ZONE MASONRY WALL REINF.	
BULKHEAD	2#5
ROOF	2#6
6th FL.	2#6
5th FL.	4#6
4th FL.	4#6
3rd FL.	4#7
2nd FL.	4#7
1st FL.	4#7
CELLAR	

SHEAR WALL REINFORCEMENT



DETAIL "A" SW-R
AT EXTERIOR SHEAR WALLS

DETAIL "B" SW-R
AT INTERIOR SHEAR WALLS

PROMESA

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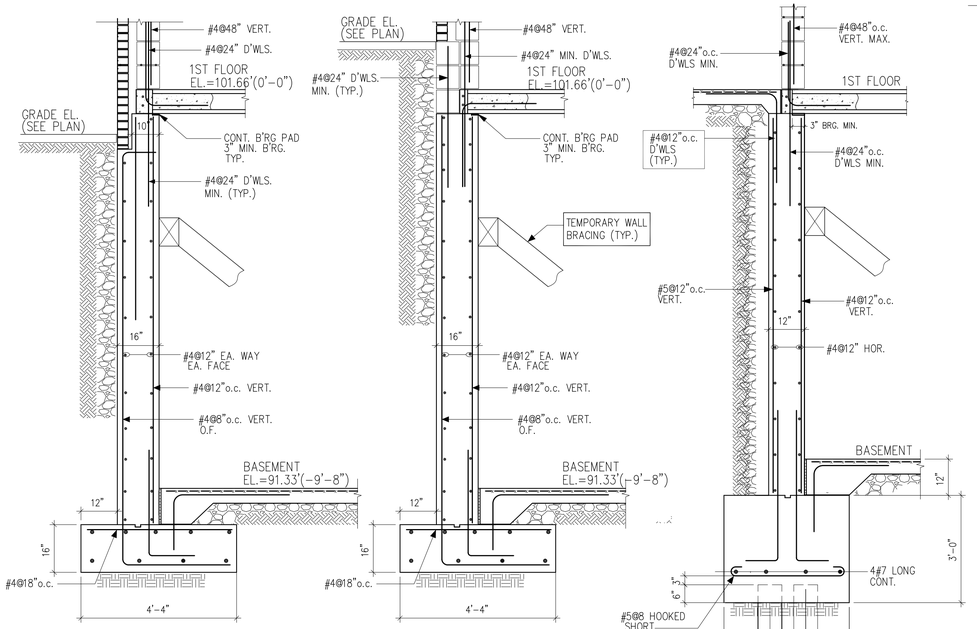

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SECTION S3
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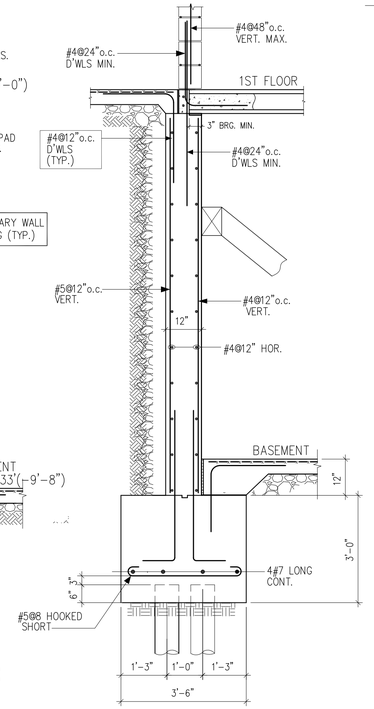

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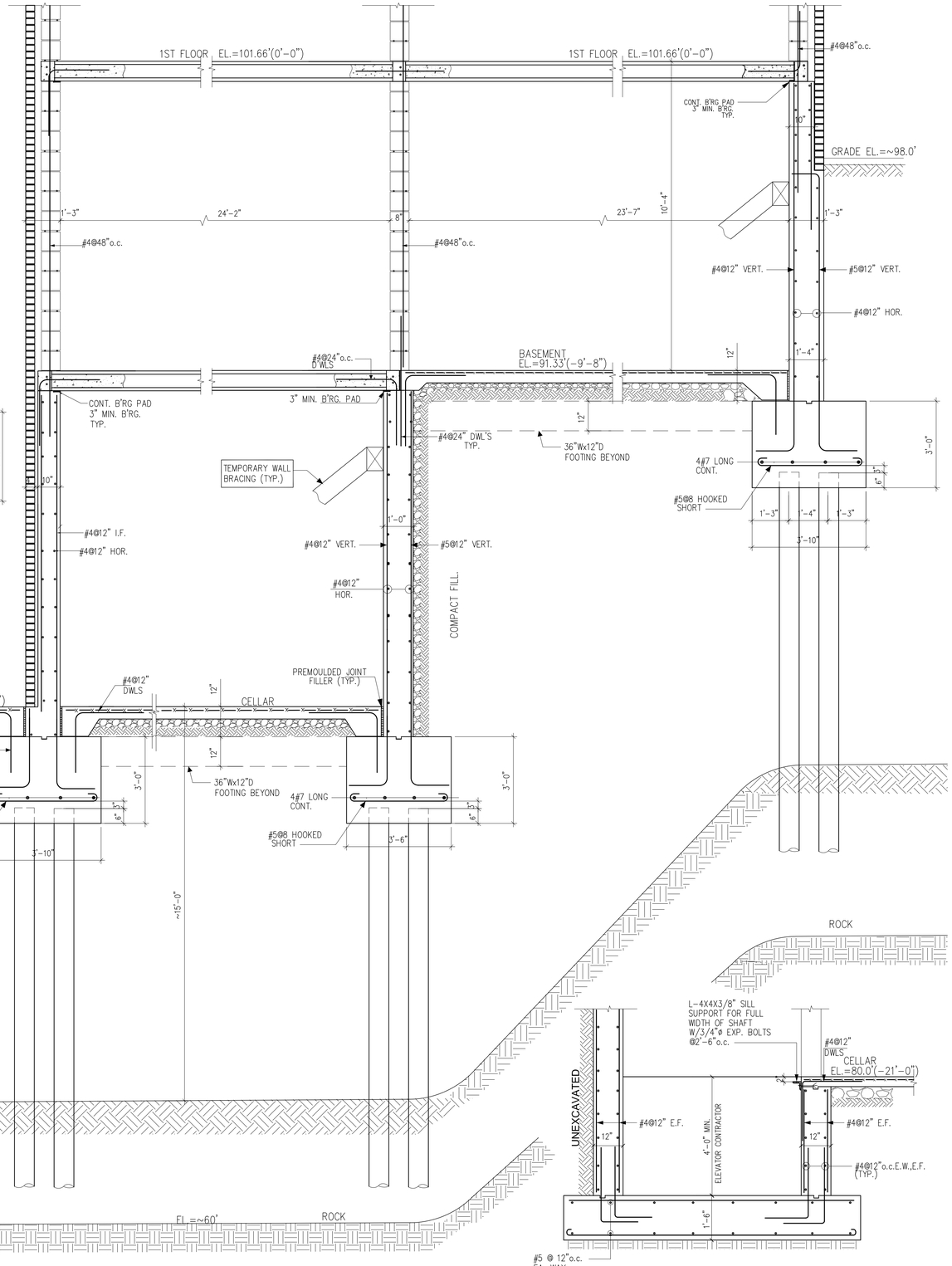

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SECTION S2 @ ELEVATOR PIT
SCALE: 1/2"=1'-0"

PROMESA

PROJECT TITLE:

SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
BRONX, NY 10458

KEY PLAN:

THE LISBON

ENGINEERING CONSULTANT:
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3	ISSUED FOR BID	10-12-12

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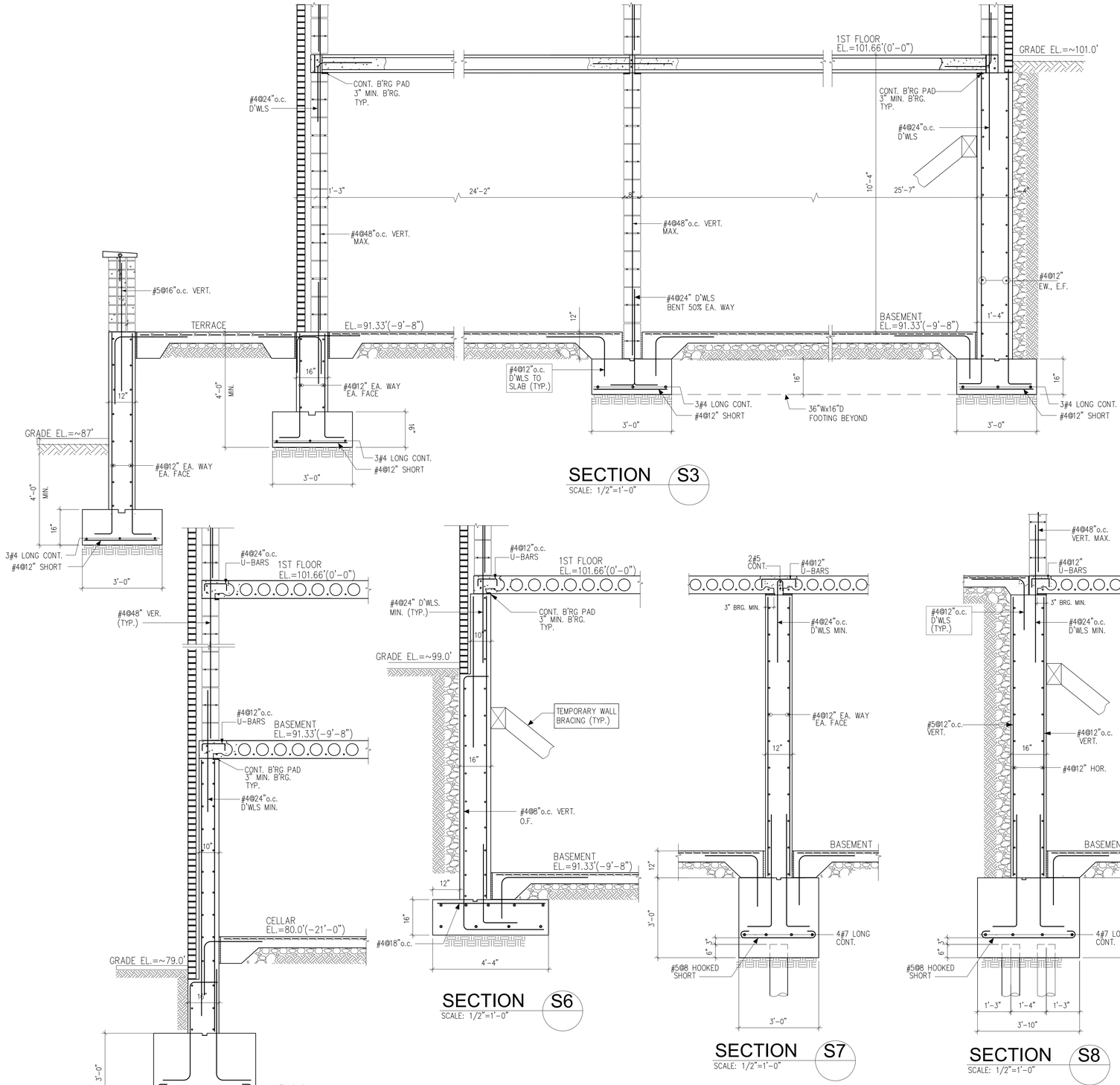

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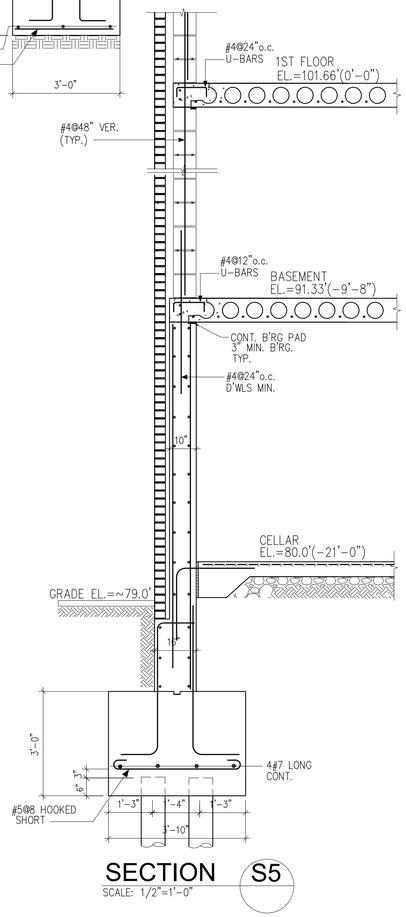

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SECTION S6
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SECTION S7
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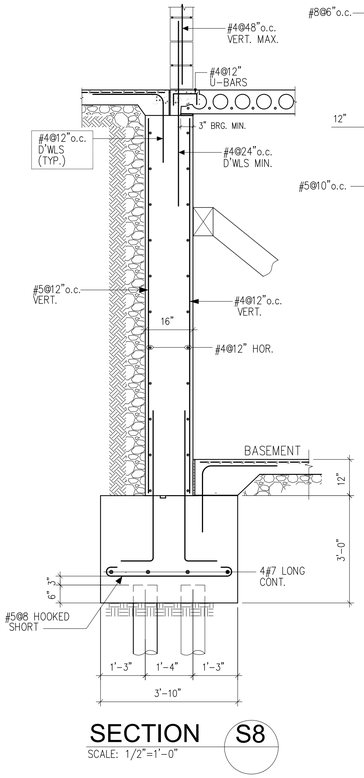

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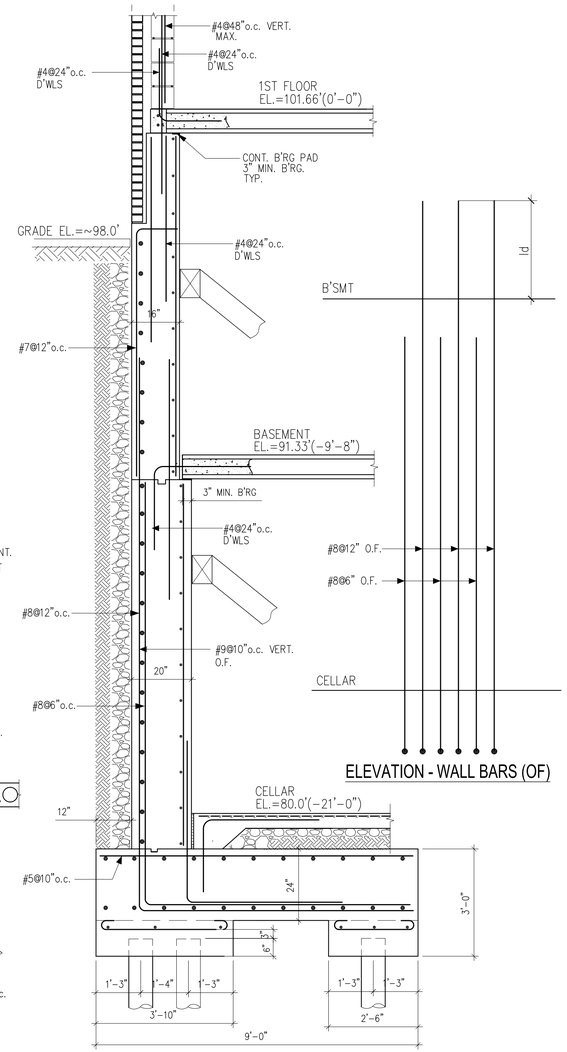

ELEVATION - WALL BARS (OF)

SECTION S4 @ RETAINING WALL
SCALE: 1/2"=1'-0"

PROMESA

PROJECT TITLE:

SENIOR CITIZENS RESIDENCE
92 WEST TREMONT AVE
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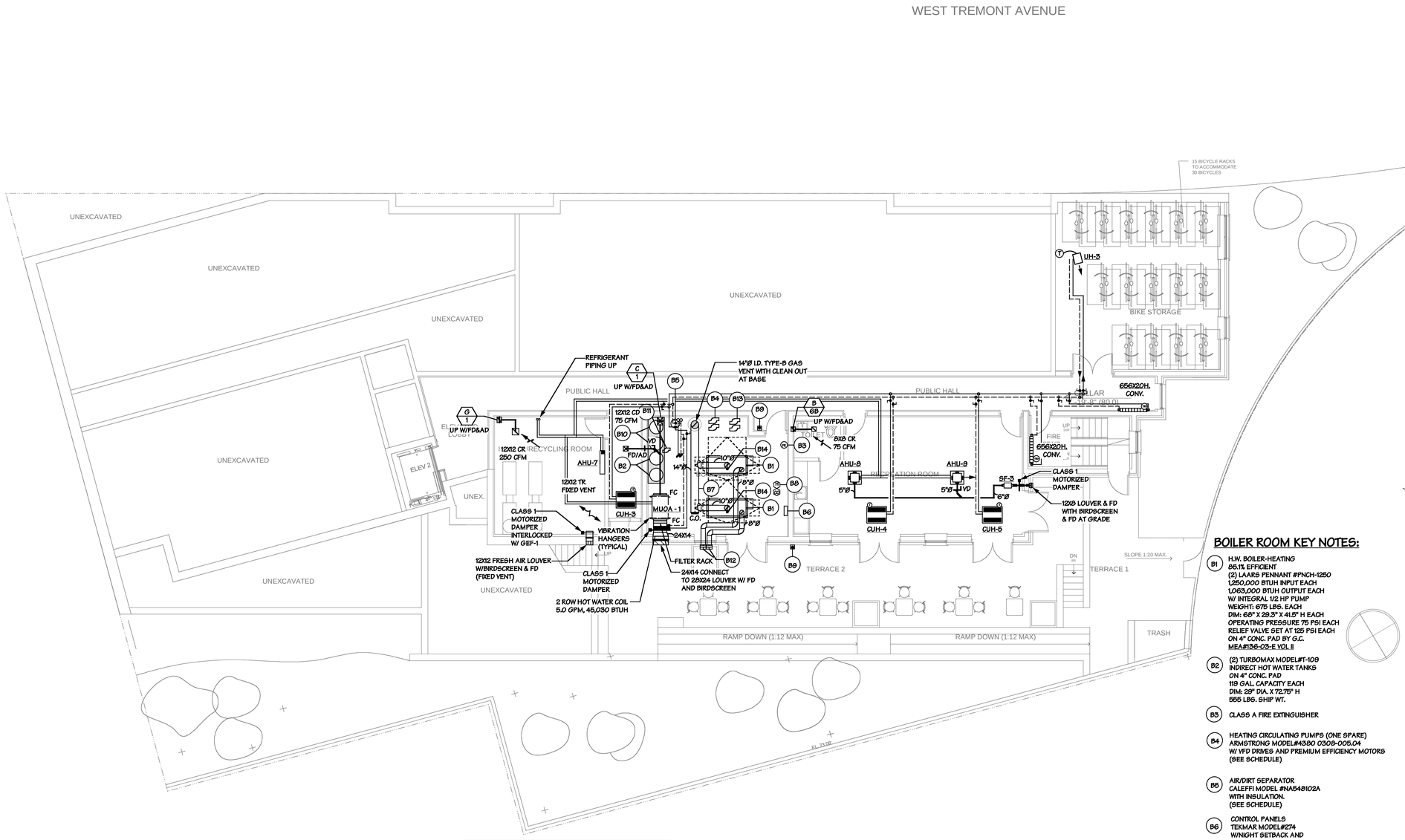

BOILER ROOM KEY NOTES:

- (B1) H.W. BOILER-HEATING
  95.1% EFFICIENT
  (2) LAARS PENNANT #PNCH-1250
  1,250,000 BTUH INPUT EACH
  1,063,000 BTUH OUTPUT EACH
  W/ INTEGRAL 1/2 HP PUMP
  WEIGHT: 675 LBS. EACH
  DIM: 68" X 29.3" X 41.5" H EACH
  OPERATING PRESSURE 75 PSI EACH
  RELIEF VALVE SET AT 125 PSI EACH
  ON 4" CONC. PAD BY G.C.
  MEA#136-03-E VOL II
- (B2) (2) TURBOMAX MODEL#T-109
  INDIRECT HOT WATER TANKS
  ON 4" CONC. PAD
  119 GAL. CAPACITY EACH
  DIM: 29" DIA. X 72.75" H
  555 LBS. SHIP WT.
- (B3) CLASS A FIRE EXTINGUISHER
- (B4) HEATING CIRCULATING PUMPS (ONE SPARE)
  ARMSTRONG MODEL#4380 0308-005.04
  W/ VFD DRIVES AND PREMIUM EFFICIENCY MOTORS
  (SEE SCHEDULE)
- (B5) AIR/DIRT SEPARATOR
  CALEFFI MODEL #NA548102A
  WITH INSULATION.
  (SEE SCHEDULE)
- (B6) CONTROL PANELS
  TEKMAR MODEL#274
  W/NIGHT SETBACK AND
  OUTDOOR TEMPERATURE
  CONTROL RESET
  AND (2) TEKMAR #132
  PUMP SEQUENCERS
- (B7) NEW 14"Ø TYPE-B GAS VENT
- (B8) HEAT DETECTOR AND CARBON MONOXIDE DETECTOR
- (B9) EMERGENCY DISCONNECT SWITCH FOR BOILERS (WEATHERPROOF)
- (B10) EXPANSION TANKS
  (2) ARMSTRONG MODEL #AX-180V
  91 GALLONS EA. 24"DIA. X 56" H.
  WT.265 LBS
- (B11) HOT WATER RECIRC. PUMP
  1/3 HP BRONZE CIRCULATOR
  PREMIUM NEMA EFFICIENT MOTOR
- (B12) LAARS VENT TERMINATION KIT
  MODEL# CA001403
- (B13) TURBOMAX PUMPS (ONE SPARE)
  ARMSTRONG MODEL#E-E33-0.4 HP, PREMIUM
  EFFICIENCY MOTORS. (SEE SCHEDULE)
- (B14) BAROMETRIC DAMPER

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BUILDING DEPARTMENT NOTES

GENERAL NOTES FOR VENTILATING EXAMINATION UNDER NEW BUILDING CODE

1. TEMPERATURE REQUIREMENTS AS PER MECHANICAL CODE (MC) 309.1 & SECTION 1224 IN NYC BUILDING CODE.
2. VENTILATION OF ALL REQUIRED ROOMS ACCORDING TO SECTION MC 403.
3. NOISE CONTROL OF EXTERIOR MECHANICAL EQUIPMENT AS PERTINENT TO MC 3506.
4. CONSTRUCTION OF DUCTS FOR VENTILATING AS PER MC 603.
5. MATERIAL AND THICKNESS OF DUCTS AS PER MC 603, TABLE 603.4
6. DUCT COVERING AND LINING AS PER MC 604.3 FLAME SPREAD RATING NOT OVER 25 AND SMOKE DEVELOPED RATING NOT OVER 50.
7. FIRE DAMPERS WILL BE PROVIDED - AS PER MC 607 & SECTION 712 OF NYC BUILDING CODE.
8. CONSTRUCTION OF FIRE DAMPERS AS PER MC 607.3.10
9. ALL MECHANICAL PLANS WILL COMPLY WITH NYC BUILDING CODE CHAPTERS: 12, 15, 27, AND 28; AND MECHANICAL CODE CHAPTERS: 3, 4, 5, 10, AND 11.
10. ALL ELECTRICAL WIRING AS PER THE NEC 2008, CH.2 & CH. 3
11. THE OWNER IS AWARE OF THE REQUIREMENTS INDICATED IN ARTICLE 118 OF THE ADMINISTRATIVE PROVISIONS IN THE 2008 NYC BUILDING CODE FOR OBTAINING A CERTIFICATE OF OCCUPANCY.
12. FIRE STOPPING OF DUCTS, PIPES AND CONDUITS THROUGH RATED CONSTRUCTION AS PER NYC BUILDING CODE 712.3
13. SPECIAL INSPECTION SHALL BE PERFORMED AS REQUIRED IN ARTICLE 116 AND ARTICLE 116 OF THE ADMINISTRATIVE PROVISION IN THE 2008 NYC BUILDING CODE AS WELL AS RC 109 AND RC 110A-1R.
14. OPERATION AND MAINTENANCE REQUIREMENTS OUTLINED IN CH. 3 OF THE ADMINISTRATIVE PROVISIONS OF THE 2008 NYC BUILDING CODE.
15. WHEN OPTIONAL SPECIAL INSPECTIONS REQUIRING CONTROLLED SPECIAL INSPECTION SHALL HAVE ALL NECESSARY FORMS FILLED OUT BY THE END OF THE PART OF SAID WORK AND PRIOR TO OBTAINING A CERTIFICATE OF OCCUPANCY.
16. INSULATION AND CLEARANCES FOR ALL PIPING CONTAINING STEAM, HOT WATER OR OTHER FLUID AS PER MC 1204.

SPECIAL INSPECTIONS REQUIRED (TR-1):

1.MECHANICAL SYSTEMS.
2. HEATING SYSTEMS.

PROGRESS INSPECTIONS REQUIRED (TR-1):

1.PRELIMINARY:
2. ENERGY CODE COMPLIANCE INSPECTIONS.
3. FINAL.

ENERGY CODE PROGRESS INSPECTIONS REQUIRED (TR-8):

1.HVAC AND SERVICE WATER HEATING EQUIPMENT.
2. HVAC AND SERVICE WATER HEATING SYSTEM CONTROLS.
3. MAINTENANCE INFORMATION.

PROMESA

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PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

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CELLAR FLOOR PLAN

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JOB #: 09J06

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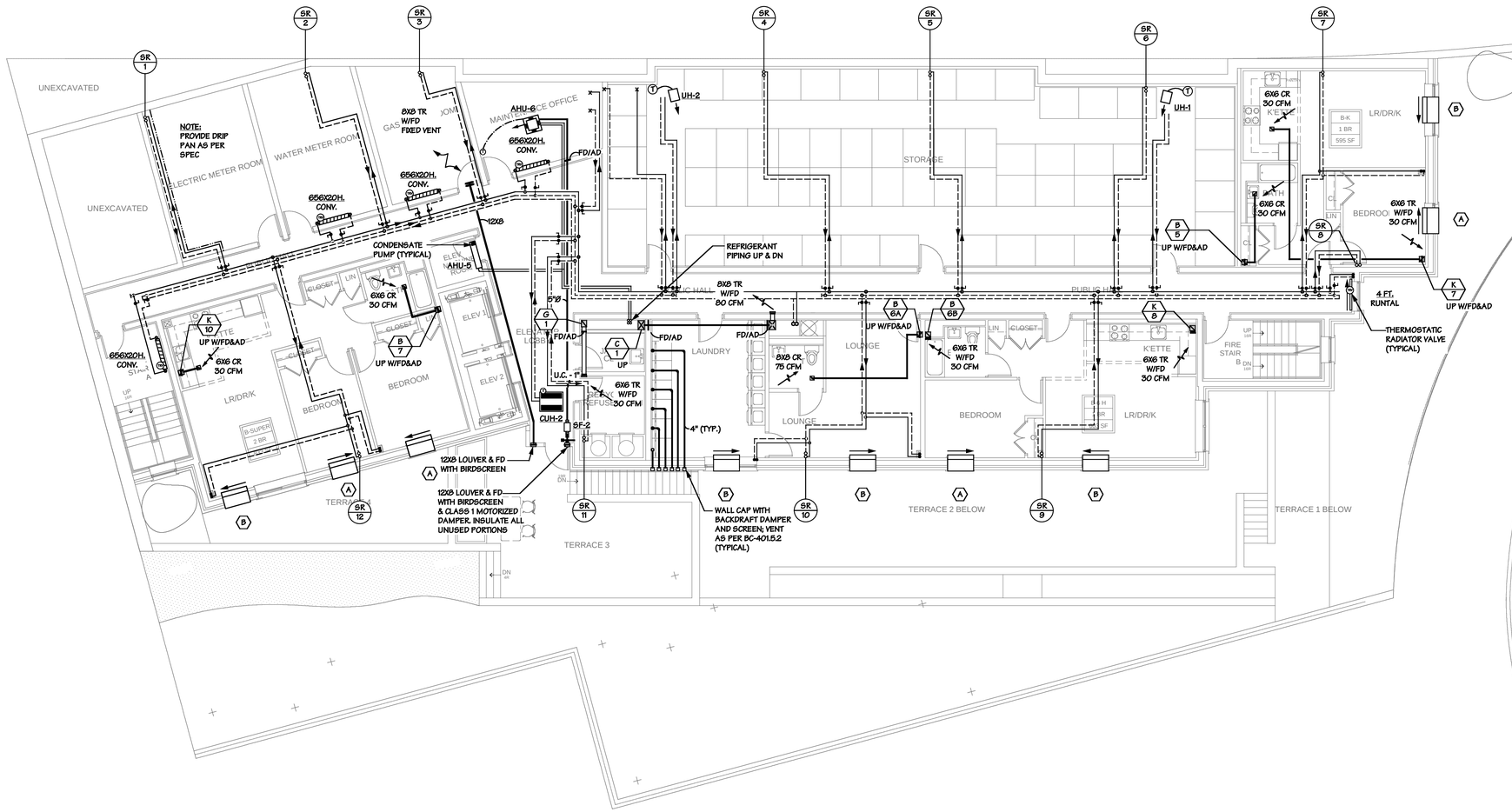

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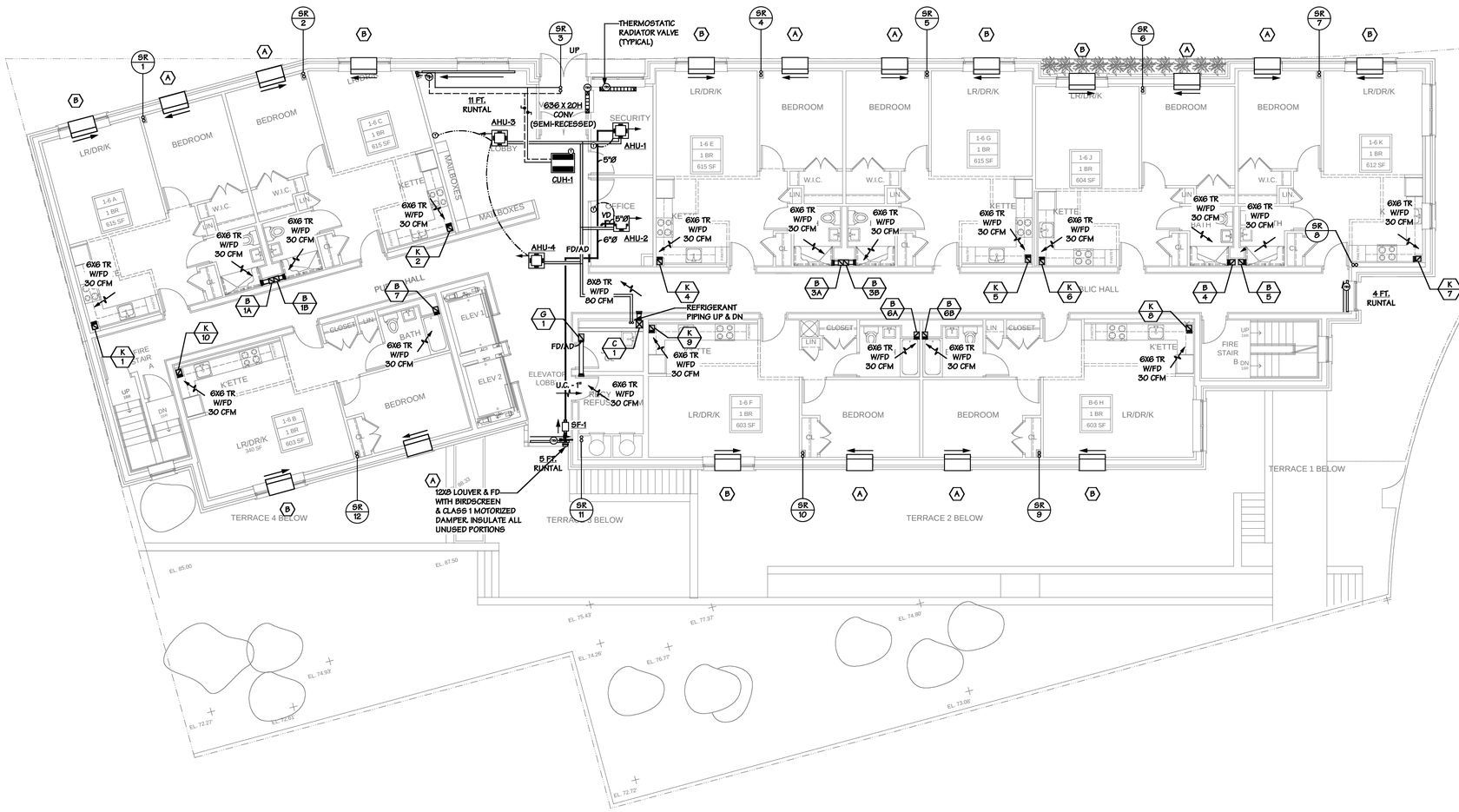

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BRONX, NY 10458

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ENGINEERING CONSULTANT:

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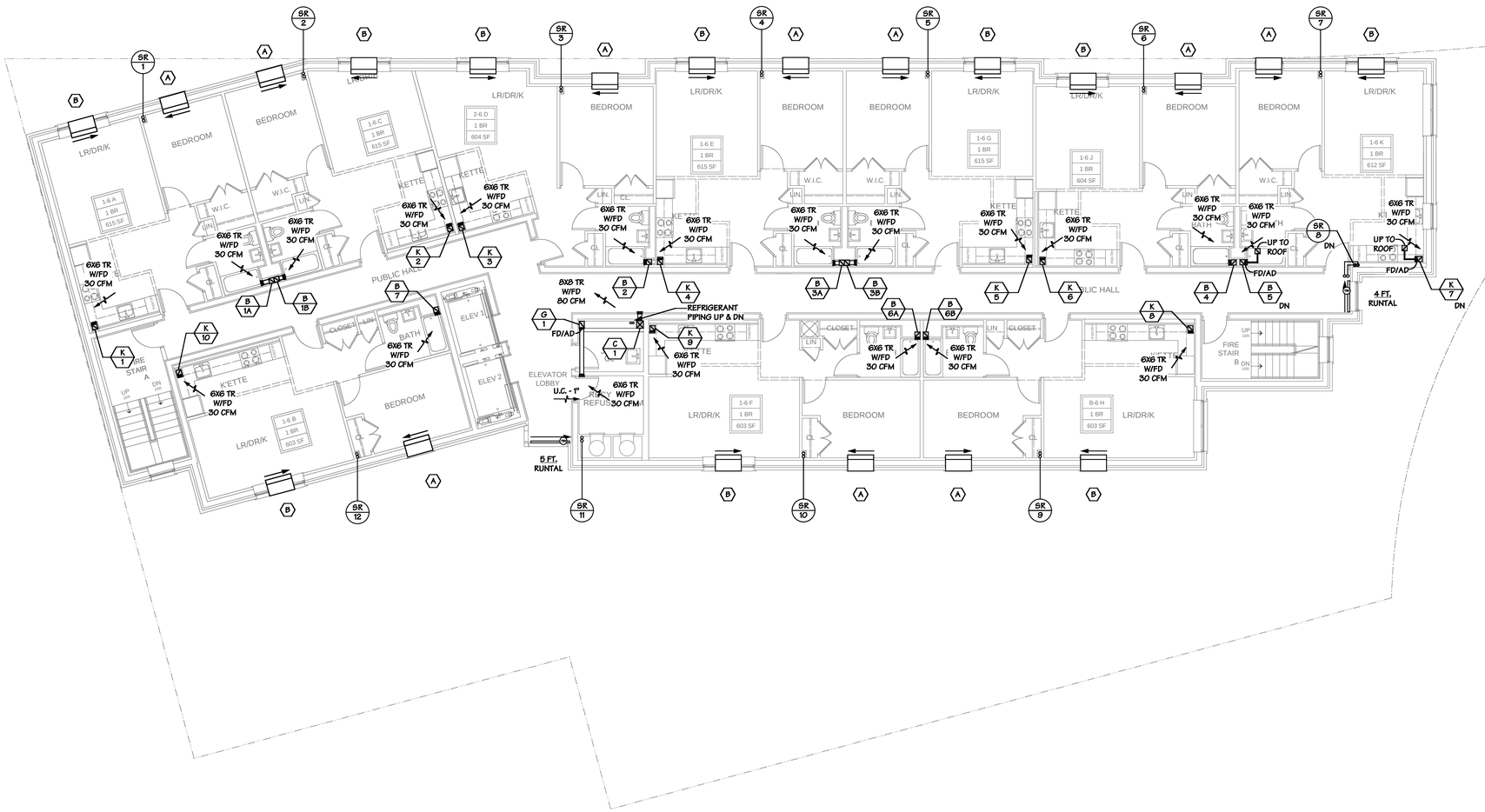

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TYPICAL (2-5) FLOOR PLAN

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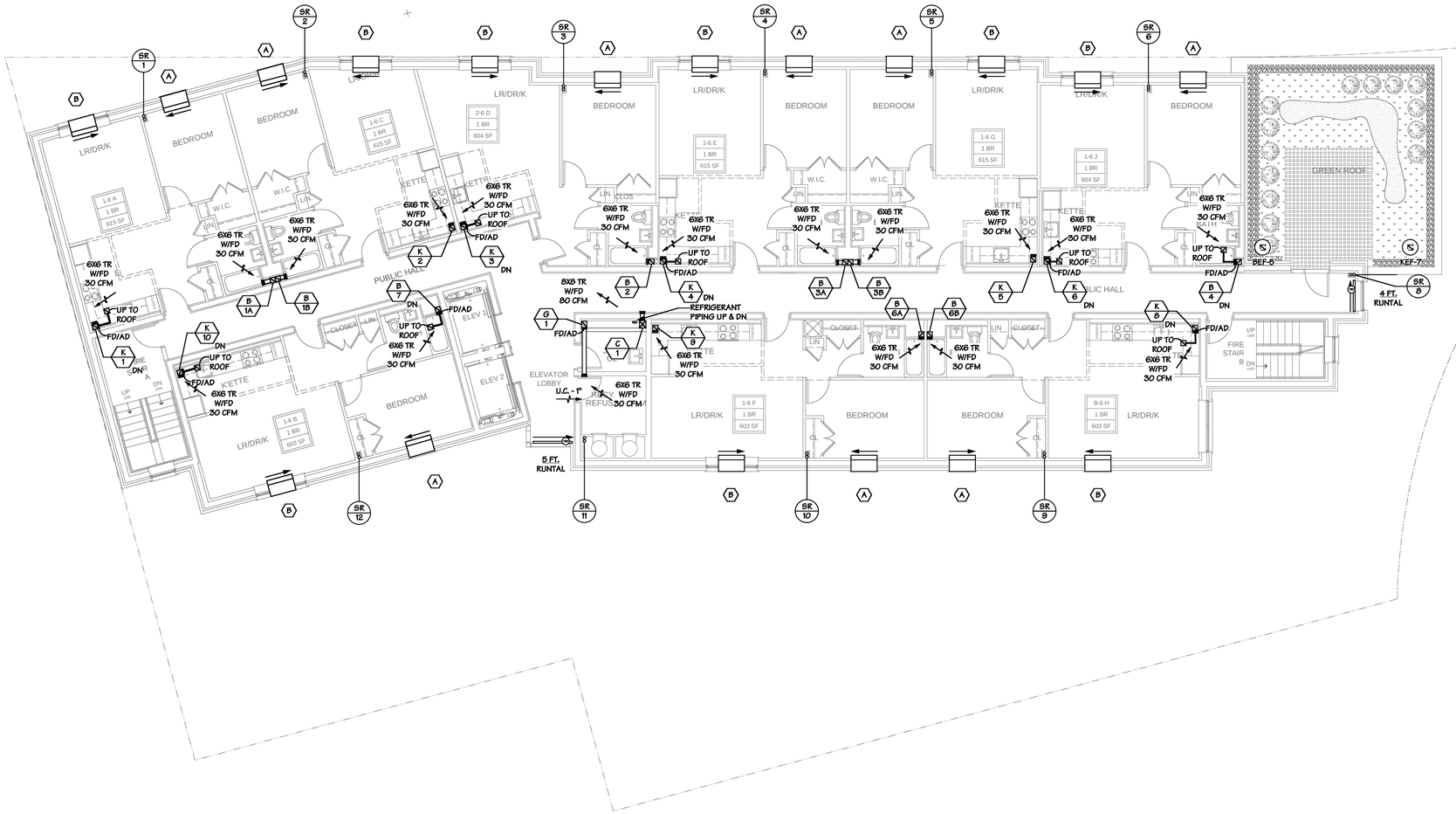

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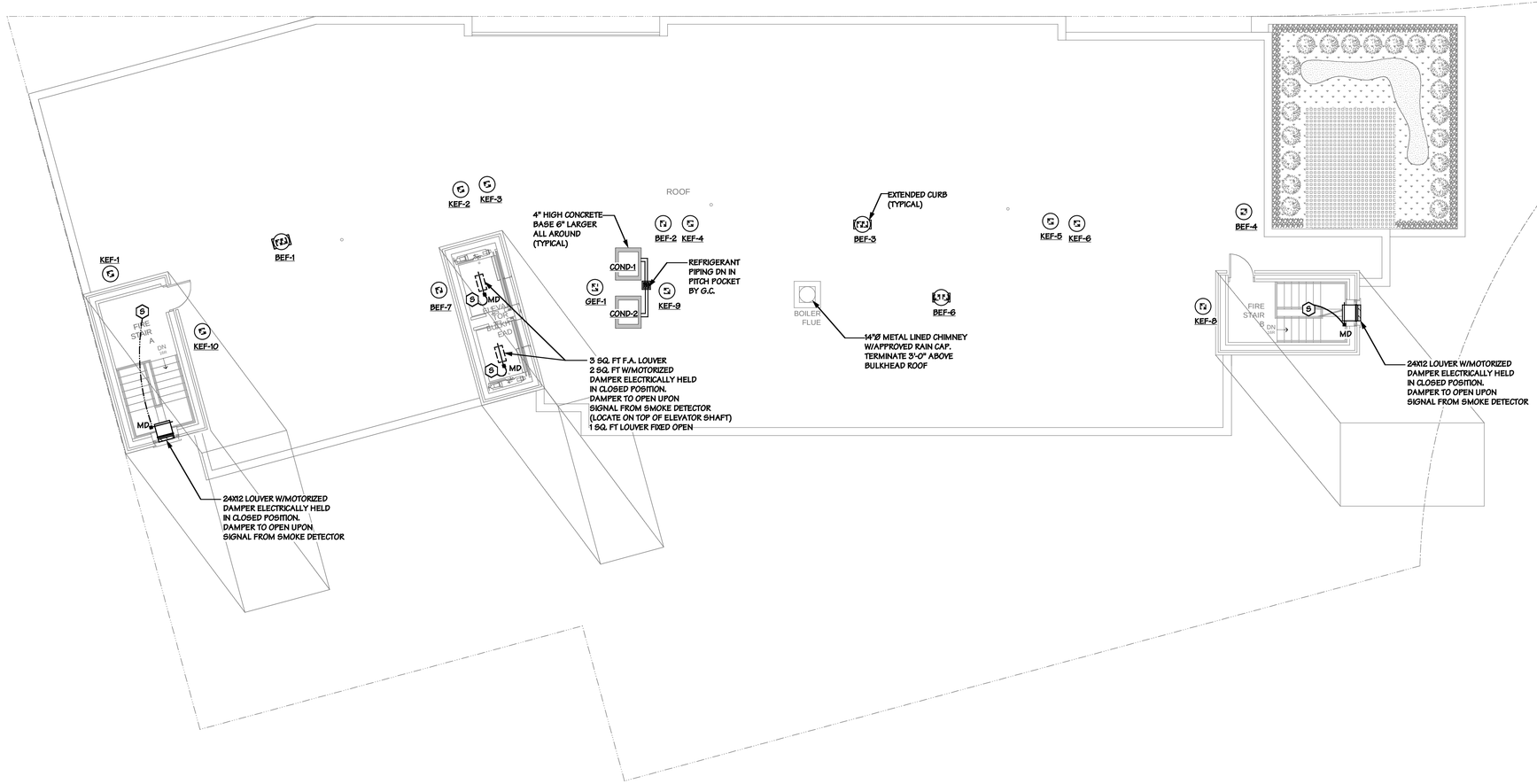

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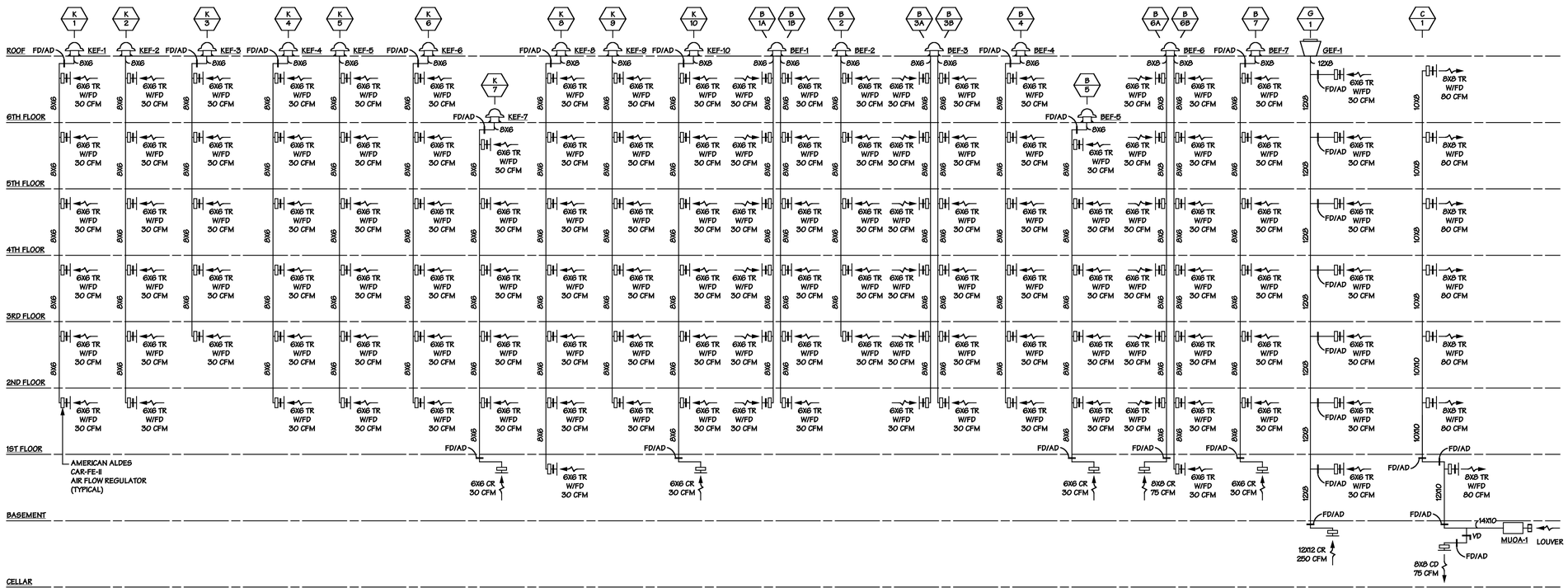
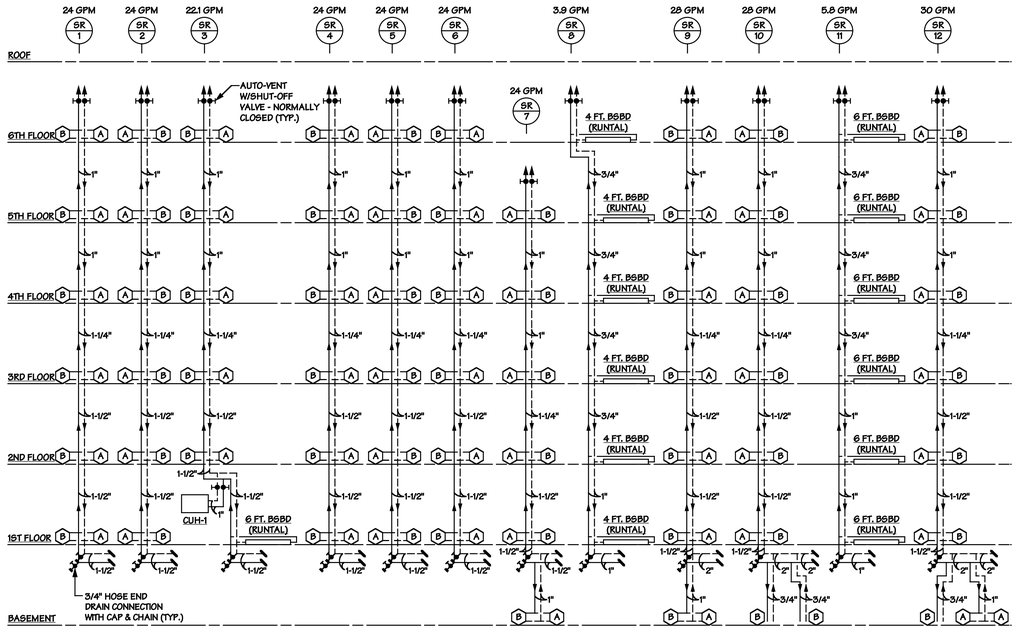


VENTILATION RISER DIAGRAM

NOT TO SCALE

VENTILATION NOTES

1. BATHROOM EXHAUST DUCTS TO 22 GAUGE.
2. KITCHEN EXHAUST TO BE 18 GAUGE.
3. CORRIDOR SUPPLY AND COMPACTOR EXHAUST DUCT TO BE 18 GAUGE
4. SEE PLANS FOR OFFSETS AND ADDITIONAL FD'S.

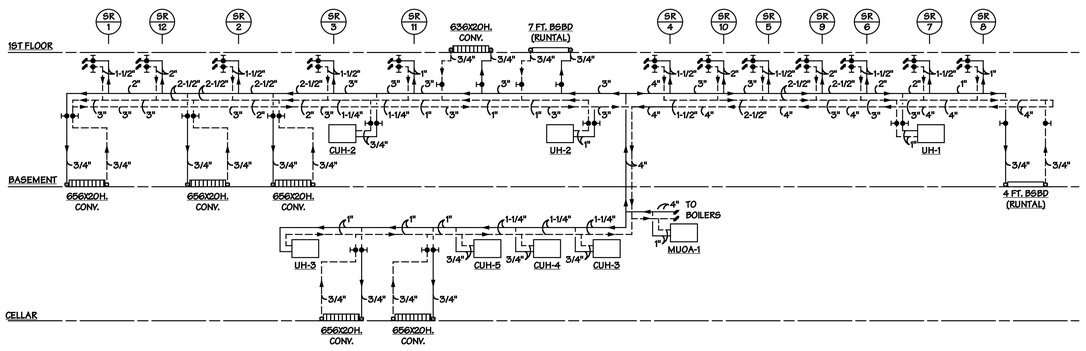


HOT WATER HEATING RISER DIAGRAM

NOT TO SCALE

HOT WATER HEATING NOTES

1. VENT ALL HIGH POINTS
2. DRAIN ALL LOW POINTS
3. SEE PLANS FOR ADDITIONAL OFFSETS



HOT WATER HEATING CONNECTION DIAGRAM

NOT TO SCALE

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RISER DIAGRAMS

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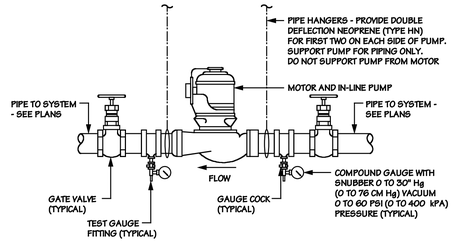
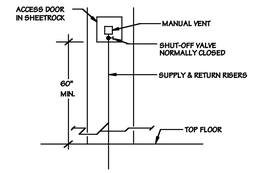


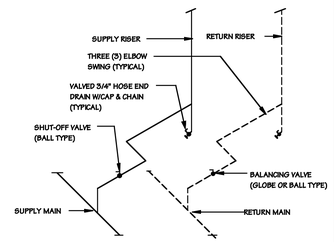
1 TYPICAL IN-LINE PIPE CONNECTION DETAIL

NOT TO SCALE



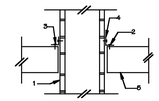
2 RISER VENT DETAIL

NOT TO SCALE



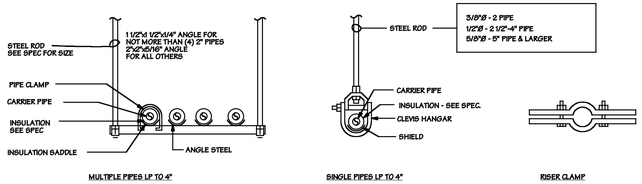
3 TYPICAL RISER CONNECTION DETAIL

NOT TO SCALE



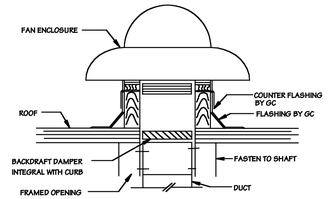
4 SUPPORT FOR DUCTWORK AT FLOOR PENETRATION DETAIL

NOT TO SCALE



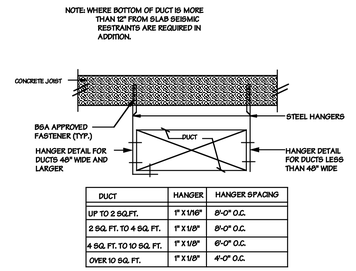
5 TYPICAL PIPE HANGER AND SUPPORT DETAILS

NOT TO SCALE



6 ROOF FAN INSTALLATION DETAIL

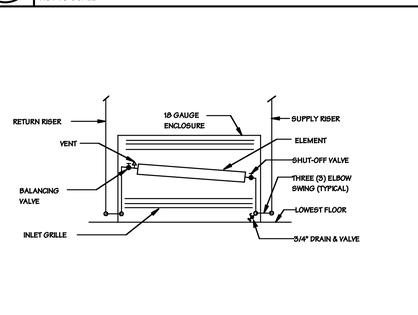
NOT TO SCALE



DUCT	HANGER	HANGER SPACING
UP TO 2 SQ.FT.	1" X 1/16"	8'-0" O.C.
2 SQ. FT. TO 4 SQ. FT.	1" X 1/8"	8'-0" O.C.
4 SQ. FT. TO 10 SQ. FT.	1" X 1/8"	6'-0" O.C.
OVER 10 SQ. FT.	1" X 1/8"	4'-0" O.C.

7 DUCT HANGING DETAIL

NOT TO SCALE



8 CONVECTOR DETAIL

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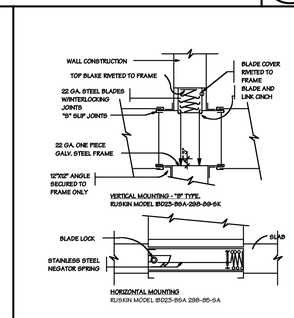
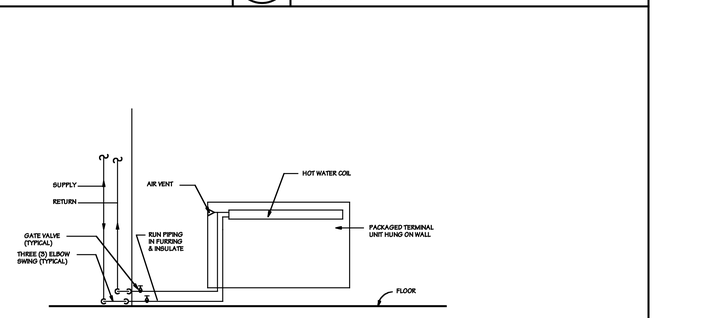


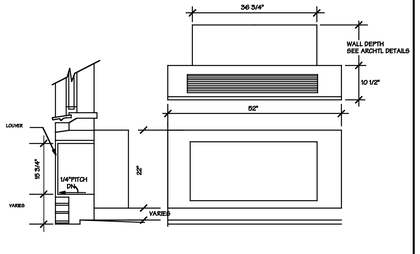
9 FIRE DAMPER DETAIL

NOT TO SCALE



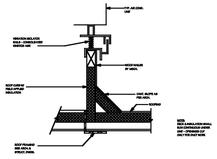
10 PACKAGED TERMINAL UNIT DETAIL

NOT TO SCALE



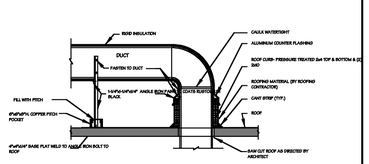
11 SECTIONAL VIEW PACKAGED TERMINAL UNIT DETAIL

NOT TO SCALE



12 ROOF CURB DETAIL

NOT TO SCALE



13 DUCT SUPPORT DETAIL

NOT TO SCALE

MECHANICAL NOTES

1. ALL DUCTWORK AS PER LATEST SMACNA AND ASHRAE STANDARDS AND N.Y.C. BUILDING CODE RS-13.
2. COORDINATE ALL WORK WITH EXISTING CONDITIONS AND ALL OTHER TRADES.
3. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ARCHITECT OF ANY MAJOR DISCREPANCIES.
4. ALL CONTROLS, TRANSFORMERS, RELAYS, CONTACTORS, ETC. AND CONTROL WIRING BY CONTRACTOR.
5. ALL INSULATION FLAME SPREAD-25 SMOKE-50.
6. PROVIDE ALL ELECTRIC STARTERS AND CONTROLLERS.
7. ALL CUTTING DRILLING AND RIGGING IS INCLUDED.
8. PROVIDE ALL NECESSARY HANGERS, SUPPORTS AND SUPPLEMENTAL STEEL. AS DIRECTED BY STRUCTURAL ENGINEER.
9. FOR EXACT LOCATION OF DIFFUSERS AND GRILLES SEE ARCHITECTURAL PLANS.
10. SYSTEM SHALL BE GUARANTEED FOR ONE YEAR ALL PARTS AND LABOR INCLUDED. COMPRESSORS SHALL HAVE FIVE YEAR WARRANTY.
11. CONTRACTOR SHALL TEST AND BALANCE SYSTEM AND PROVIDE REPORT.
12. LOCATE ALL EQUIPMENT AND RUN PIPING AS DIRECTED IN FIELD.
13. PIPE CONDENSATE DRAINS TO SLOP SINK IN JANITORS CLOSET WITH TRAP.
14. AIR OUTLET MANUFACTURER SHALL COORDINATE MARGINS AND BORDERS WITH CEILING TYPE.
15. 1" ACOUSTIC LINE ALL SUPPLY AND RETURN DUCTWORK 25' RADIUS FROM UNIT MINIMUM.

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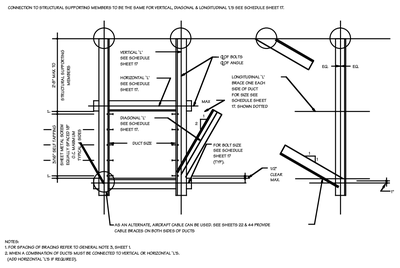
JOB #: 09J06

DRAWN BY: YL/PJ

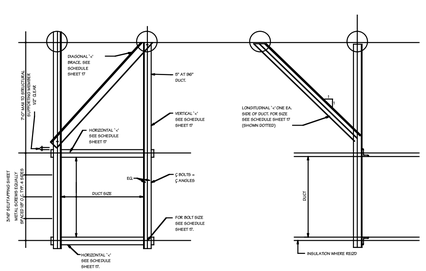
SCALE: AS NOTED

DRAWING #: M-008.00



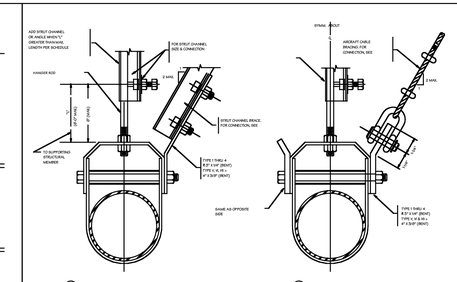
TYPICAL SIDE BRACING FOR RECTANGULAR DUCT

DUCTS, RECTANGULAR-SIDE BRACING | 1



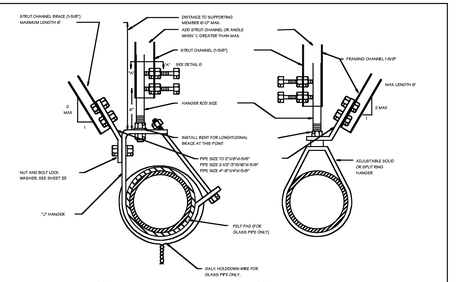
TYPICAL CENTER BRACING FOR RECTANGULAR DUCTS

DUCTS, RECTANGULAR-CENTER BRACING | 2

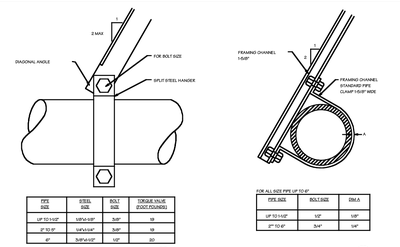


ALTERNATE PIPE BRACING DETAILS N.T.S.

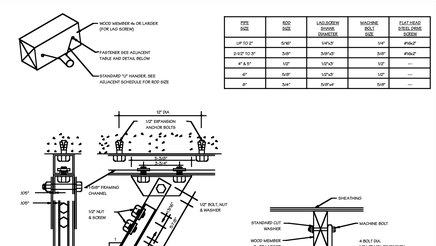
PIPES - BRACING, STRUT CHANNEL AND CABLE | 3



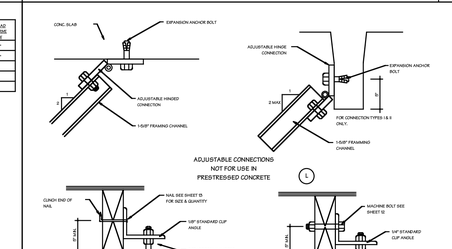
PIPES - BRACING, ATTACHMENT TO HANGER | 4



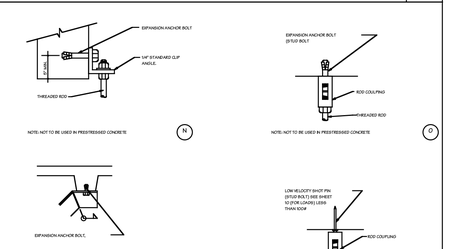
PIPES-BRACING, ATTACHMENT | 5



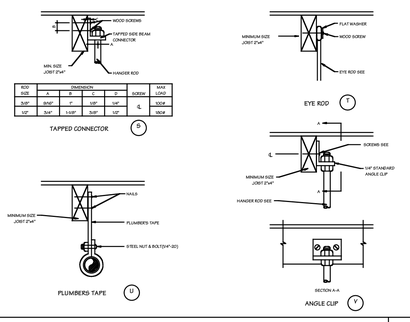
CONNECTIONS, BOLTED "U" | 6



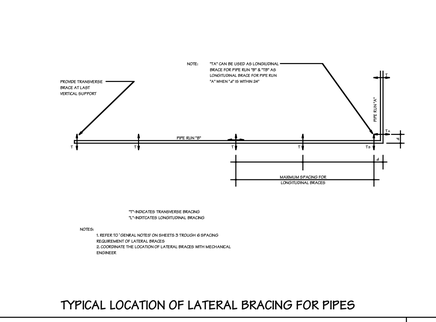
CONNECTIONS, CONCRETE/WOOD | 7



CONNECTIONS, CONCRETE | 8

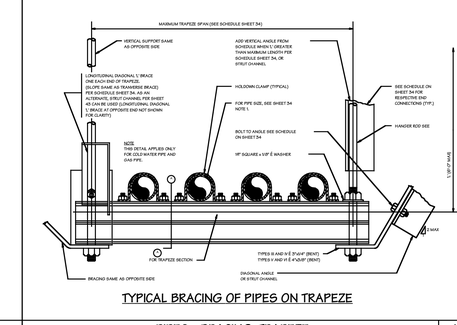


CONNECTIONS-WOOD | 9



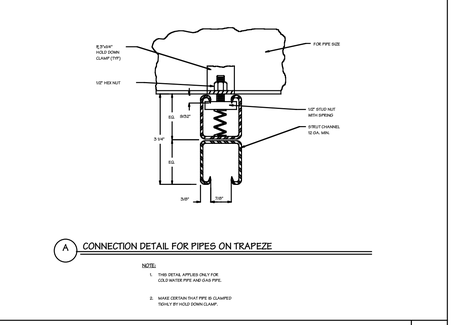
TYPICAL LOCATION OF LATERAL BRACING FOR PIPES

PIPES-BRACING, LATERAL | 10

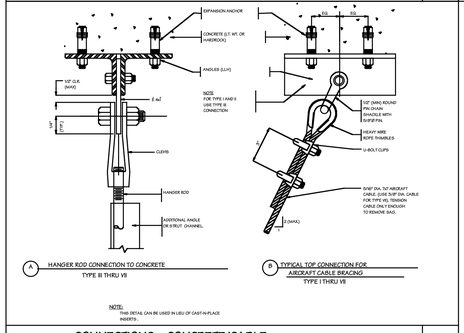


TYPICAL BRACING OF PIPES ON TRAPEZE

PIPES - BRACING, TRAPEZE | 11



CONNECTIONS - PIPE TO TRAPEZE | 12



CONNECTIONS - CONCRETE/CABLE | 13

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4	CONTRACT SET	6/18/2013

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DRAWING TITLE:
SEISMIC DETAILS

ARCHITECT:
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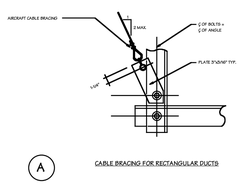
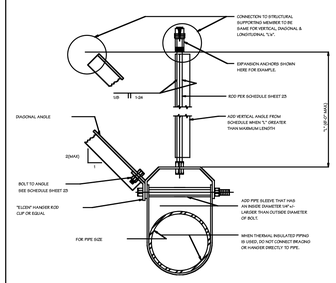
DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: AS NOTED

DRAWING #:
M-009.00



A CABLE BRACING FOR RECTANGULAR DUCTS

DUCT-BRACING, CABLE 14



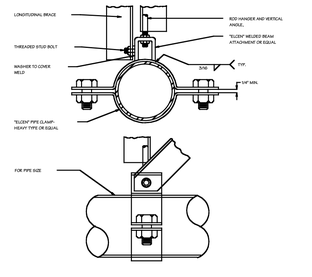
1 TYPICAL TRANSVERSE PIPE BRACING

N.T.S.

NOTE:

1. LONGITUDINAL BRACINGS AT 80'-0" O.C. MAXIMUM UNLESS OTHERWISE NOTED. WHEN THE THERMAL EXPANSION OR CONTRACTION IS INVOLVED, PROVIDE LONGITUDINAL BRACINGS AT ANCHOR POINTS. THE LONGITUDINAL BRACES AND THE CONNECTIONS MUST BE CAPABLE OF RESISTING THE FORCE INDUCED BY THE EXPANSION AND CONTRACTION.

PIPES - BRACING - TRANSVERSE 15



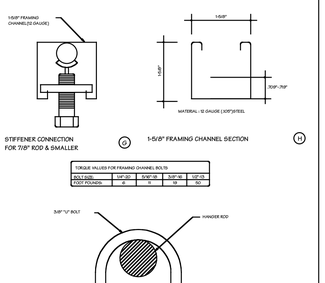
TYPICAL LONGITUDINAL PIPE BRACING

N.T.S.

NOTES:

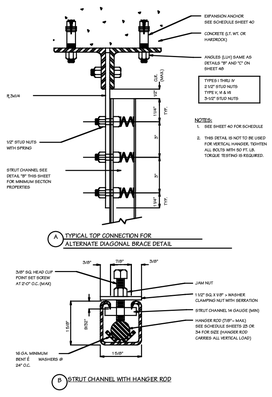
1. LONGITUDINAL BRACINGS AT 80'-0" O.C. MAXIMUM UNLESS OTHERWISE NOTED. WHEN THERMAL EXPANSION OR CONTRACTION IS INVOLVED, PROVIDE LONGITUDINAL BRACINGS AT ANCHOR POINTS. THE LONGITUDINAL BRACES AND THE CONNECTIONS MUST BE CAPABLE OF RESISTING THE FORCE INDUCED BY THE EXPANSION AND CONTRACTION.
2. THIS BRACING DETAIL APPLIES ONLY FOR COLD WATER PIPE AND GAS PIPE WHERE MOVEMENT OF THE PIPE IS DUE TO TEMPERATURE DIFFERENTIAL IS NEGLIGIBLE.
3. IT IS THE RESPONSIBILITY OF THE USER OF THIS GUIDELINE TO ASCERTAIN THAT AN ADEQUATE BRACING AND THE ANCHORAGE DEVICE BE DESIGNED FOR PIPE WHENEVER THE MOVEMENT DUE TO THERMAL DIFFERENTIAL EXISTS. PROVIDE ONE ANCHOR POINT IN ONE PIPE RUN. ALLOW FOR LONGITUDINAL PIPE MOVEMENT AT THE OPPOSITE END OF THE ANCHOR POINT.

PIPES - BRACING - LONGITUDINAL 16



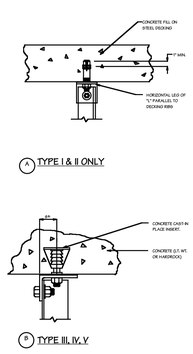
ALTERNATE STIFFENER CONNECTION

CHANNEL FRAMING 17



A TYPICAL TOP CONNECTION FOR ALTERNATE DIAGONAL BRACE DETAIL

B STRUT CHANNEL WITH HANGER ROD



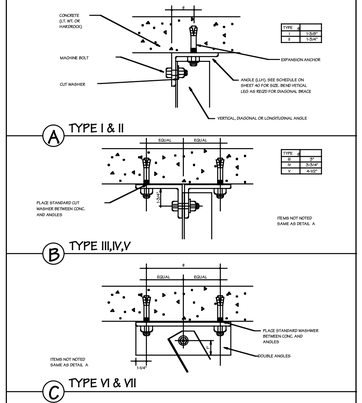
A TYPE I & II ONLY

B TYPE III, IV, V

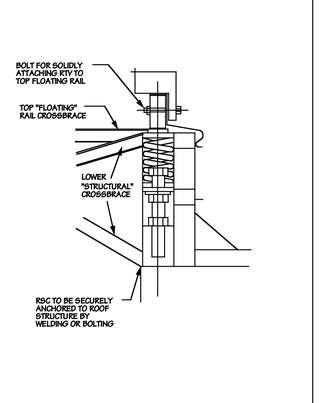
CONNECTIONS TO CONCRETE

CONNECTIONS - DIAGONAL BRACE 18

CONNECTIONS - CONCRETE 19



CONNECTION TO CONCRETE 20



SPRING SUPPORT DETAIL 21

The design, details and notes included herein are in compliance with Local Law 17/95

STANDARD NYC SEISMIC NOTE

1. Seismic protection of all HVAC equipment, piping and ductwork shall be provided and shall comply with the applicable provisions of the New York City Building Code BC 1621, latest revisions, and as revised below:

   Table 23-P

   a) adding after III.1

   3. Sprinkler piping 2.00
   4. Gas and high hazard piping 2.00
   5. Other piping 0.67
   6. HVAC ducts 0.67

   b) adding the following notes after note 4 at the bottom of the table:

   5. The design of seismic restraints for sprinkler piping in compliance with NFPA 13 using a design acceleration of 0.15 is acceptable in lieu of compliance with these provisions.
   6. Seismic restraints are not required for any of the following conditions for other piping systems of HVAC ducts:
   1. Piping or ducts suspended by individual hangers 12 inches or less in length from the top of the pipe or duct to the supporting structure.
   2. Piping in boiler and mechanical rooms which has less than 1-1/4 inches inside diameter.
   3. Piping in other areas which has less than 2-1/2 inches inside diameter.
   4. Ducts which have a cross-sectional area less than 6 square feet.

2. Where equipment is resiliently mounted on springs or other types of vibration isolation supports, such supports shall have limits and stops to resist seismic deflection and forces.

3. Seismic protection devices shall resist the seismic forces determined under the New York City Building Code, as modified above, when applied in any direction without failure or permanent displacement of the protected system.

4. All seismic protection devices shall be the product of one manufacturer and shall have State of California Office of Statewide Health Planning and Development (OSHPD) preapproval "R" numbers certifying their maximum horizontal and vertical load ratings. The manufacturer of the seismic protection devices shall be a specialist in seismic mountings with at least five years experience on projects of a similar scope.

5. The Contractor shall submit for approval seismic protection calculations prepared by a Professional Engineer licensed in the State of New York. The Professional Engineer shall sign and seal his calculations. Additionally, the Contractor shall submit for approval seismic protection device shop drawings, catalog cuts and location plans.

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DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: AS NOTED

DRAWING #: M-010.00

Exhaust Fan Schedule												
Designation	Location	Area Served	Manufacturer	Model#	CFM	RPM	E.S.P.	R.O.	Motor	Electrical	Dimensions	Weight	Notes
BEF-1	Roof	Bathrooms	Greenheck	G-088-VG	360	1313	0.625"	14.5" sq.	0.08 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	81 lbs.	1,2,3,4,6
BEF-2	Roof	Bathrooms	Greenheck	G-097-VG	150	1337	0.625"	14.5" sq.	0.06 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
BEF-3	Roof	Bathrooms	Greenheck	G-088-VG	360	1313	0.625"	14.5" sq.	0.08 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	81 lbs.	1,2,3,4,6
BEF-4	Roof	Bathrooms	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
BEF-5	Roof	Bathrooms	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
BEF-6	Roof	Bathrooms	Greenheck	G-088-VG	465	1412	0.625"	14.5" sq.	0.11 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	81 lbs.	1,2,3,4,6
BEF-7	Roof	Bathrooms	Greenheck	G-097-VG	210	1515	0.625"	14.5" sq.	0.09 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-1	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-2	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-3	Roof	Kitchens	Greenheck	G-097-VG	150	1337	0.625"	14.5" sq.	0.06 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-4	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-5	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-6	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-7	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-8	Roof	Kitchens	Greenheck	G-097-VG	210	1515	0.625"	14.5" sq.	0.09 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-9	Roof	Kitchens	Greenheck	G-097-VG	180	1420	0.625"	14.5" sq.	0.07 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
KEF-10	Roof	Kitchens	Greenheck	G-097-VG	210	1515	0.625"	14.5" sq.	0.09 H.P.	120V, 1Ø, 60 Hz	24.63"dia. X 20"H	76 lbs.	1,2,3,4,6
GEF-1	Roof	Compactor Room	Greenheck	CUE-095-VG	460	1562	0.625"	12.5" sq.	0.11 H.P.	120V, 1Ø, 60 Hz	21"dia. X 15.25"H	82 lbs.	1,2,3,4,6
SF-1	First Floor	Supply Fresh Air	Panasonic	FV-10NLF1	100	1590	0.125"	N.A.	36 WATTS	120V, 1Ø, 60 Hz	13-3/8" X 9-7/16" X 7-7/8"H	14 lbs.	1,5,7
SF-2	Basement Floor	Supply Fresh Air	Panasonic	FV-10NLF1	50	1590	0.125"	N.A.	36 WATTS	120V, 1Ø, 60 Hz	13-3/8" X 9-7/16" X 7-7/8"H	14 lbs.	1,5,7
SF-3	Cellar Floor	Supply Fresh Air	Panasonic	FV-10NLF1	100	1590	0.125"	N.A.	36 WATTS	120V, 1Ø, 60 Hz	13-3/8" X 9-7/16" X 7-7/8"H	14 lbs.	1,5,7

Notes and Accessories
1. Local disconnect.
2. Acoustic "GPS" canted roof curb.
3. Bird Screen.
4. Horizontal Exhaust Damper.
5. Provide wall mount collar, motorized damper, OSHA motor side guard and motor disconnect.
6. Solid state speed control factory mounted and wired to the external housing of the fan.
7. Motor side guard, wall mounting collar

PTAC CHASIS and DUCTS TO BE CONVERED DURING CONSTRUTION

Packaged Terminal Air Conditioning Schedule											
Designation	Manufacturer	MEA#	Model#	Cooling BTUH	Heating BTUH	EER	Electric Data	Amperage	GPM	CFM	OUTSIDE CFM
(A)	Ice-Air	250-93-E	5RSNU07	7700	16500	12.0	120V, 1Ø, 60hz	5.5	2.0	380	60
(B)	Ice-Air	250-93-E	5RSNU09	9700	16500	12.0	120V, 1Ø, 60hz	7.1	2.0	380	60
(C)	Ice-Air	250-93-E	8RSNU13	12800	16500	11.4	208V, 1Ø, 60hz	5.5	2.0	400	60
(D)	Ice-Air	250-93-E	8RSNU15	14400	19400	10.5	208V, 1Ø, 60hz	6.5	2.0	450	60
(E)	Ice-Air	250-93-E	8RSNU18	16400	19400	10.3	208V, 1Ø, 60hz	7.7	2.0	540	60

Provide thermal break sleeve to G.C. for installation. With motorized valve. Set temperature limite on unit at the factory - 68° - 74°
Provide extra outdoor air kit 20 CFM

Expansion Tank Schedule (2 Required)						
Type	Location	Manufacturer	Model#	Total Volume	Dimensions	Ship Weight
Bladder-Removeable	Boiler Room	Armetrong	AX-120V	91 gallons	24" dia. x 56"H	265 lbs

Air/Dirt Separator Schedule							
Location	Manufacturer	Model #	Blowdown Valve	Inlet Size	Outlet Size	Dimensions	Ship Weight
Boiler Room	Caleffi	NA5481102A	1-1/4"	4"	4"	19"dia. x 50"H	117 Lbs

Radiation Schedule									
Designation	Location	Manufacturer	Model #	Element	Dimensions (fins)	# Rows	Enclosure Height	Enclosure Depth	Rating @ 190°F	Miscellaneous
BSBD (RUNTAL)	see floor plans	Runtal	R2F	cold rolled steel	3-3/8" x 5-3/4"H x length on dwgs. Radiation Schedule	2			1584 BTU/HR/LF	Provide wall mount and supply pipe enclosures, splice sections, valve caps, end caps

Boiler Schedule												
Location	No. of boilers	Manufacturer	Model #	MEA#	EFFICIENCY	Input BTUH	Output BTUH	L.B.R. net	Relief Valve Setting	Operating Pressure	Operating Weight	Dimensions	Miscellaneous
Boiler Rm.	2	LAARS (Pennant)	PNCH-1250	136-03-E VOL II	85.1%	1,250,000	1,063,000	903	125 PSI	45 PSI	675 lbs.	68" X 29.3" X 41.5" H	Outside temp sensor pump controller ASME pressure relief, HI-limit, dual low water cut-offs operating and limiting aquastate & pres./temp gauges as req'd.

Indirect Water Heater Schedule							
Location	Manufacturer	# Tanks	Model#	Gallon Capacity	Heat Transfer Area	Dimensions	Ship Weight
Boiler Room	TURBOMAX	2	T-109	119	56.3 sq. ft.	29" dia. x 74"H	555 lbs

Pump Schedule								
TAG	USE	MANUFACTURER	MODEL NUMBER	GPM	FT. HD.	HP	RPM	ELECTRICAL DATA
P-1	Hot Water Heating	Armstrong	4380 0308-005.04-5HP	230	50	5	1800	208V-3Ø-60HZ
P-2	Hot Water Heating	Armstrong (stand-by)	4380 0308-005.04-5HP	230	50	5	1800	208V-3Ø-60HZ
P-3	Turbomax Zone Pump	Armstrong	E-E33-0.4 HP	107	10	.4	3600	120V-1Ø-60HZ
P-4	Turbomax Zone Pump	Armstrong	E-E33-0.4 HP	107	10	.4	3600	120V-1Ø-60HZ

NOTES:
With Vibration Hangers, Flex Connectors (double Snubber Type)
And Magnetic Starters, Total Motor Enclosure, VFD Drives with
Controller and Pressure Sensor and NEMA Premium Efficiency
Motors

Cabinet Unit Heater Schedule														
Designation	Manufacturer	Style	Model #	Electric	Heating Output	G.P.M.	Entering Air Temperature	Leaving Air Temperature	Entering Water Temperature	Leaving Water Temperature	High C.F.M.	Blower H.P.	FLA	Dimensions	Wt.	Controls
CUH-1	Trane	Horizontal Recessed	FFEB04	120V, 1Ø 60 HZ	25.6 MBH	1.71	50° (F)	174° (F)	190° (F)	170° (F)	380	0.05	0.9	2'-5 7/8" x 3'-4 13/16" x 10 3/8"H	85 lbs.	Integral Tstat
CUH-2	Trane	Horizontal Recessed	FFEB02	120V, 1Ø 60 HZ	15.9 MBH	1.06	50° (F)	174° (F)	190° (F)	170° (F)	240	0.04	0.7	2'-5 7/8" x 2'-11 13/16" x 10 3/8"H	75 lbs.	Integral Tstat
CUH-3	Trane	Horizontal Recessed	FFEB02	120V, 1Ø 60 HZ	15.9 MBH	1.06	50° (F)	174° (F)	190° (F)	170° (F)	240	0.04	0.7	2'-5 7/8" x 2'-11 13/16" x 10 3/8"H	75 lbs.	Integral Tstat
CUH-4	Trane	Horizontal Recessed	FFEB04	120V, 1Ø 60 HZ	25.6 MBH	1.71	50° (F)	174° (F)	190° (F)	170° (F)	380	0.05	0.9	2'-5 7/8" x 3'-4 13/16" x 10 3/8"H	85 lbs.	Integral Tstat
CUH-5	Trane	Horizontal Recessed	FFEB04	120V, 1Ø 60 HZ	25.6 MBH	1.71	50° (F)	174° (F)	190° (F)	170° (F)	380	0.05	0.9	2'-5 7/8" x 3'-4 13/16" x 10 3/8"H	85 lbs.	Integral Tstat

Commercial Store Unit Heater Schedule										
Designation	Location	Manufacturer	Style	Model #	Electric	Heating Output	G.P.M.	High C.F.M.	Blower H.P.	Dimensions	Wt.	Controls
UH-1, 2 & 3	Bike and Storage Rms	Trane	Cg. Suspended	UHSA100W2	120v, 1Ø 60 Hz.	50.8 MBH	5.23	1535	(1) 1/8	16-3/4" X 20-1/4" X 18-3/4"H	85 lbs.	Remote T'stat

CONVECTOR SCHEDULE			
WIDTH	LENGTH	HEIGHT	MBH OUTPUT
4"	20"	18"	2.2
4"	24"	18"	2.7
4"	36"	18"	4.4
6"	36"	18"	6.4
6"	44"	18"	8.1
6"	48"	18"	8.9
6"	56"	18"	10.5
6"	64"	18"	12.2

Based on Beacon/Morris Type PW-A, 18 gauge cover convectors w/copper/aluminum element and inlet grille.
MBH shown - 190°F EWT with inlet grille effect allowance

Table 503.2.8
Minimum Pipe Insulation [a]
(thickness in inches)

Fluid	Nominal Pipe Diameter	
	< = 1.5"	> 1.5"
Steam	1-1/2	3
Hot Water	1-1/2	2
Chilled water, brine or refrigerant	1-1/2	1-1/2

a. Based on insulation having a conductivity (k) not exceeding 0.27 BTU per inch/h • ft2 • °F

EXCEPTIONS:
1. Factory-installed piping within HVAC equipment tested and rated in accordance with a test procedure referenced by 2010 Energy Conservations Construction Code of NYS.
2. Factory-installed piping within room fan-coils and unit ventilators tested and rated in according to AHRI Standards 440 (except that the sampling and variation provisions of Section 6.5 shall not apply) and 840 respectively.
3. Piping conveying fluids that have a design operating temperature range between 55°F and 105°F.
4. Piping that conveys fluids that have not been heated or cooled through the use of fossil fuels or electric power.
5. Runout piping not exceeding 4 feet in length and 1 inch in diameter bewtween the control valve and HVAC coil.

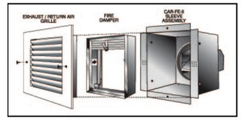
Table 503.2.7
Duct and plenum insulation and sealing

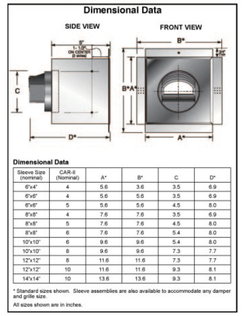
Duct Location	Insulation R value
Unconditioned Space	R-6
Outside the building	R-8
Within building envelope assembly	R-8

EXCEPTIONS:
1. When located within equipment.
2. When the design temperature difference between the interior and exterior of the duct or plenum does not exceed 15°F.

ALL DUCTS, AIR HANDLERS AND FILTER BOXES shall be sealed.
Joints and seams shall comply with Section 603.9 of the Mechanical Code of NYC and the NYC Construction Codes.

DUCT LEAKAGE SHALL BE NO MORE THAN 10 CFM50/FLOOR/SHAFT, INCLUSIVE OF ROOF CURBS AND GRILLES AS TESTED BY STEVEN WINTERS ASSOCIATES, INC. (SWA)
IF DUCTS FAIL TO MEET THIS THRESHOLD AFGTER TWO ROUNDS OF TESTING BY SWA, CONTRACTOR SHALL IMPLEMENT CARRIER AEROSEALTECHNOLOGY TO SEAL THE DUCTWORK.





Dimensional Data

Sleeve Size (nominal)	CAR-II (Nominal)	A*	B*	C	D*
6"x4"	4	5.6	3.6	3.5	6.9
6"x6"	4	5.6	5.6	3.5	6.9
6"x6"	5	5.6	5.6	4.5	8.0
8"x8"	4	7.6	7.6	3.5	6.9
8"x8"	5	7.6	7.6	4.5	8.0
8"x8"	6	7.6	7.6	5.4	8.0
10"x10"	6	9.6	9.6	5.4	8.0
10"x10"	8	9.6	9.6	7.3	7.7
12"x12"	8	11.6	11.6	7.3	7.7
12"x12"	10	11.6	11.6	9.3	8.1
14"x14"	10	13.6	13.6	9.3	8.1

* Standard sizes shown. Sleeve assemblies are also available to accommodate any damper and grille size.
All sizes shown are in inches.

CAR DAMPERS TO BE INSTALLED AT ALL SUPPLY AND EXHAUST GRILLS

ALL CENTRAL EXHAUST FANS MUST BE BALANCED BASED ON STATIC PRESSURE OF 0.2 TO 0.3 IN WC AT BOTTOM OF SHAFT

CAR II DAMPER SCHEDULE				
DIAMETER	CFM	MODEL NUMBER	LOCATION	DIRECTION
4"Ø	30	18 113	RECYCLE ROOMS, KITCHENS, BATHROOMS	EXHAUST
5"Ø	75	18 124	PUBLIC BATHROOMS	EXHAUST
10"Ø	250	18 155	COMPACTOR ROOM	EXHAUST
5"Ø	80	18 124	CORRIDORS	SUPPLY

MECHANICAL NOTES:

DUCT LEAKAGE SHALL BE NO MORE THAN 10 CFM50/FLOOR/SHAFT, INCLUSIVE OF ROOF CURBS AND GRILLES AS TESTED BY STEVEN WINTERS ASSOCIATES, INC. (SWA)
IF DUCTS FAIL TO MEET THIS THRESHOLD AFGTER TWO ROUNDS OF TESTING BY SWA, CONTRACTOR SHALL IMPLEMENT CARRIER AEROSEALTECHNOLOGY TO SEAL THE DUCTWORK.

OUTDOOR AIR INTAKES AND EXHAUST OPENINGS AIR TIGHTNESS - STAIR AND ELEVATOR SHAFT VENTS AND OTHER OUTDOOR AIR INTAKES AD EXHAUST OPENINGS INTEGRAL TO THE BUILDING ENVELOPE SHALL BE EQUIPPED WITH NOT LESS THAN A CLASS 1 MOTORIZED LEAKAGERATED DAMPER WITH A MAXIMUM LEAKAGE RATE OF 4 CFM PER SQUARE FOOT (6.8 L/s - m2) AT 1.0 INCH WATER GAUGE (w.g.) (1250 Pa) WHEN TESTED IN ACCORDANCE WITH AMCA 500D. EXCEPTION: GRAVITY (NONMOTORIZED) DAMPERS ARE PERMITTED TO BE USED IN BUILDINGS LES THAN THREE STORIES IN HEIGHT ABOVE GRADE.

SHUTOFF DAMPER CONTROLS - WHEN SYSTEM/SPACE NOT IN USE. BOTH OUTDOOR AIR SUPPLY AND EXHAUST DUCTS SHALL BE EQUIPPED WITH MOTORIZED DAMPERS THAT WILL AUTOMATICALLY SHUT WHEH THE SYSTEMS OR SPACES SERVED ARE NOT IN USE. EXCEPTIONS:

1. GRAVITY DAMPERS SHALL BE PERMITTED IN BUILDINGS LESS THAN THREE STORIES IN HEIGHT.
2. GRAVITY DAMPERS SHALL BE PERMITTED FOR OUTSIDE AIR INTAKE OR EXHAUST AIRFLOWS OF 300 cfm (.14 m3/s) OR LESS

KEY:

ABBREVIATIONS

AH - AIR HANDLING UNIT
AD - ACCESS DOOR
CR - CEILING REGISTER
CU - CONDENSING UNIT
CD - CEILING DIFFUSER
FC - FLEXIBLE CONNECTION
FD - FIRE DAMPER
FIN T. - FIN TUBE
GEF - GARAGE EXHAUST FAN
HVAC - HEATING & VENTILATING A/C
KEF - KITCHEN EXHAUST FAN
MD - MOTORIZED DAMPER
NK - NECK
RG - RETURN GRILLE
RR - RETURN REGISTER
TEF - TOILET EXHAUST FAN
VD - VOLUME DAMPER

SYMBOL LIST

- 4x8 — DUCTWORK (NET SIZE)
- 4x8 — ACOUSTIC LINED DUCTWORK (NET SIZE)
- — REFRIGERANT PIPING
- CEILING DIFFUSER
- REGISTER, GRILLE
- T — THERMOSTAT
- (S) — SMOKE DETECTOR
- MOTORIZED DAMPER

ENERGY CONSERVATION NOTES.

1. THIS BUILDING SHALL COMPLY WITH THE PROVISIONS OF THE ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (2010).
2. CONSTRUCTION DOCUMENTS SHALL BE DRAWN TO SCALE UPON SUITABLE MATERIAL AND OF SUFFICIENT CLARITY TO INDICATE THE LOCATION, NATURE AND EXTENT OF THE WORK PORPOSED, AND SHOW IN SUFFICIENT DETAIL PERTINENT DATA AND FEATURES OF THE BUILDING, SYSTEMS AND EQUIPMENT AS HEREIN GOVERNED. (2010).
3. THE BUILDING ENVELOPE REQUIREMENTS TO COMPLY WITH APPLICABLE PROVISIONS OF 2010 ENERGY CONSERVATION CONSTRUCTION CODE OF NYS AND NYC.

BUILDING DEPARTMENT NOTES

1. FORM TR-1 SHALL BE FILED AS PER 27-187. FROM TR-1 SHALL BE FILED AT THE COMPLETION OF THE INSTALLATION BY THE HVAC CONTRACTOR.

2. A TEST WILL BE CONDUCTED TO SHOW COMPLIANCE WITH BUILDING DEPARTMENT CODE REQUIREMENTS 27-132 & 27-136 OF THE ADMINISTRATIVE CODE BY THE HVAC CONTRACTOR.

3. EQUIPMENT USE PERMITS SHALL BE SECURED FOR THE AIR CONDITIONING SYSTEMS BY THE HVAC CONTRACTOR.

4. FIRE DAMPERS SHALL BE BGA#100-65 SM AIR BALANCE CO.

5. CONTROLLED INSPECTIONS BY A LICENSED ENGINEER RETAINED BY HVAC CONTRACTOR.

MECHANICAL NOTES

1. ALL DUCTWORK AS PER LATEST SMACNA AND ASHRAE STANDARDS AND N.Y.C. BUILDING CODE RS-13.
2. COORDINATE ALL WORK WITH EXISTING CONDITIONS AND ALL OTHER TRADES.
3. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ARCHITECT OF ANY MAJOR DISCREPANCIES.
4. ALL CONTROLS, TRANSFORMERS, RELAYS, CONTACTORS, ETC. AND CONTROL WIRING BY CONTRACTOR.
5. ALL INSULATION FLAME SPREAD-25 SMOKE-50.
6. PROVIDE ALL ELECTRIC STARTERS AND CONTROLLERS.
7. ALL CUTTING DRILLING AND RIGGING IS INCLUDED.
8. PROVIDE ALL NECESSARY HANGERS, SUPPORTS AND SUPPLEMENTAL STEEL. AS DIRECTED BY STRUCTURAL ENGINEER.
9. FOR EXACT LOCATION OF DIFFUSERS AND GRILLES SEE ARCHITECTURAL PLANS.
10. SYSTEM SHALL BE GUARANTEED FOR ONE YEAR ALL PARTS AND LABOR INCLUDED. COMPRESSORS SHALL HAVE FIVE YEAR WARRANTY.
11. CONTRACTOR SHALL TEST AND BALANCE SYSTEM AND PROVIDE REPORT.
12. LOCATE ALL EQUIPMENT AND RUN PIPING AS DIRECTED IN FIELD.
13. PIPE CONDENSATE DRAINS TO SLOP SINK IN JANITORS CLOSET WITH TRAP.
14. AIR OUTLET MANUFACTURER SHALL COORDINATE MARGINS AND BORDERS WITH CEILING TYPE.
15. 1" ACOUSTIC LINE ALL SUPPLY AND RETURN DUCTWORK 25' RADIUS FROM UNIT MINIMUM.

SPECIAL INSPECTIONS

THE FOLLOWING ITEMS ARE SUBJECT TO SPECIAL INSPECTION:

1. HEATING/BOILERS INSPECTION.

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT
RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

CIVIL ENGINEERING CONSULTANT:

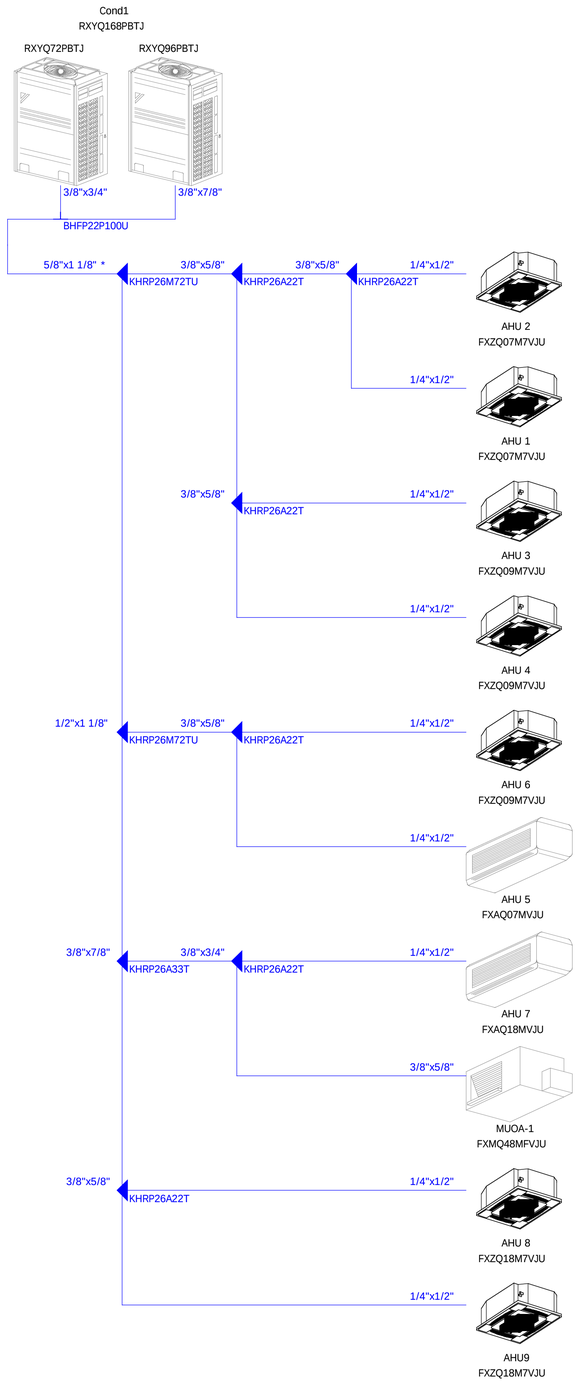
NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

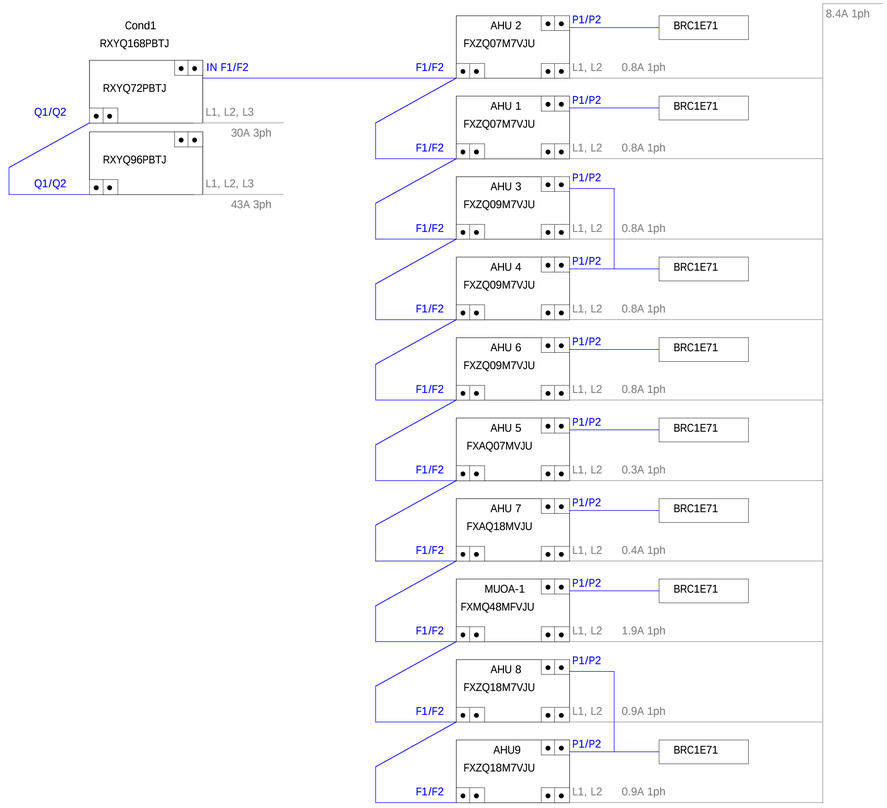
SEAL & SIGNATURE:

DRAWING TITLE:
SCHEDULES

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T:212 675 6470 F:212 675 6728

DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: AS NOTED
DRAWING #: M-011.00
PAGE #: 11 OF 12





Air Handling Unit Schedule (Indoor Unite COND-1)

Designation	Location	Manufacturer	Model #	Indoor Cooling db (°F)/Relative Humidity	Cooling Capacity BTUH	Sensible Cooling BTUH	Indoor Heating (°F)	Heating Capacity BTUH	Air Flow CFM Low-High	Sound dBA	Min. Circuit Amp	Electric	Dimensions (Inches)	Weight (Lbs)
AHU-2	Office	Daikin	FXZQ07M7VJU	80.0/50%	6891	5693	67	6547	247 - 320	29-31	0.8	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42
AHU-1	Security	Daikin	FXZQ07M7VJU	80.0/50%	6891	5693	67	6547	247 - 320	29-31	0.8	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42
AHU-3	Lobby	Daikin	FXZQ09M7VJU	80.0/50%	8729	6312	67	7026	247 - 320	29-32	0.8	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42
AHU-4	Lobby	Daikin	FXZQ09M7VJU	80.0/50%	8729	6312	67	7026	247 - 320	29-32	0.8	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42
AHU-6	Main Office	Daikin	FXZQ09M7VJU	80.0/50%	8729	6312	67	7026	247 - 320	29-32	0.8	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42
AHU-5	Elev. Mach. Room	Daikin	FXAQ07MVJU	80.0/50%	6891	5723	67	6547	160 - 260	28-35	0.3	208V, 1Ø	31.3 W x 11.4 H x 9.1 D	25
AHU-7	Recycling Room	Daikin	FXAQ18MVJU	80.0/50%	16539	12395	67	13313	400 - 500	36-42	0.4	208V, 1Ø	41.3 W x 11.4 H x 9.1 D	31
AHU-8	Recreation Room	Daikin	FXZQ18M7VJU	80.0/50%	16539	12279	67	13313	353 - 494	34-41	0.9	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42
AHU-9	Recreation Room	Daikin	FXZQ18M7VJU	80.0/50%	16539	12279	67	13313	353 - 494	34-41	0.9	208V, 1Ø	22.6 W x 11.3 H x 22.6 D	42

100% Outdoor Air Handling Unit Schedule (Indoor Unite)

Designation	Location	Manufacturer	Model #	Cooling Capacity BTUH	Sensible Cooling BTUH	Indoor Heating (°F)	Heating Capacity BTUH	Air Flow CFM	Sound dBA	Electric	Dimensions (Inches)	Weight (Lbs)
MUOA-1	Corridors	Daikin	FXMQ48MFVJU	48000	0	70	30000	635	47	208V 1Ø 60 HZ	29.3 W x 18.5 H x 43.3 D	190

Provide drain pans, vibration hangers/supports, starters and local disconnect switches with thermostat
Provide Merv-8 filter, DACA – MQ48F-8-1K

Condensing Unit Schedule (Outdoor Unit)

Designation	Manufacturer	Model #	Combination Percentage	Outdoor Temp. Cooling db (°F)	Cooling Capacity BTUH	Outdoor Temp. Heating (°F)	Heating Capacity BTUH	Piping (FT)	Refrigerant R-410a (Lbs)	Power Supply	MCA	RLA	MOP	Dimensions (Inches)	Weight (Lbs)
COND-1	Daikin	RXYQ168PBTJ	91	95	168891	-0.0	124227	147.6	43.4	208V, 3Ø					
		RXYQ72PBTJ									30.0	14.2	35A	36.6 L x 66.1 H x 30.1 W	419
		RXYQ96PBTJ									43.0	24.6	50A	48.9 L x66.1 H x 30.1 W	620

Provide drain pans, vibration hangers/supports, starters and local disconnect switches with thermostat
Provide Remote Sensor Kit for all VRV indoor units
Provide Rear Suction Filter Chamber for FX9Q units
Provide Decoration panel for all FXZQ units
Provide Fresh air intake kit direct installation for allk FXZQ units
Provide small condensate pump for for trash compactor unit.
Provide capacity plug (12mbh > 9 mbh) for Office Interior FX9Q unit.
Provide Screening Door/ blind board for FX9Q30, 36 and 48 units.
Provide optional condensate pumps as required.
Provide remote programmable thermostats
All substitute manufacturers must be approved in writing ten days prior to submission of the bid.
All refrigerant piping and wiring must be reviewed by manfacturers application engineer (Daikin McQuay NY) for functionality and compliance in accordance with manufacturers recommendations.

ACCEPTED FOR USE
CITY OF NEW YORK
DEPARTMENT OF BUILDINGS
MEA 102-04-E VOL. 6
DAIKIN AC (AMERICAS), INC.

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PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
TEL: 212.736.2584 | FAX: 212.736.2520

CIVIL ENGINEERING CONSULTANT:

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DRAWING TITLE:
DETAILS

ARCHITECT:
OCV
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ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
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t 212 675 6470 f 212 675 6728

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JOB #: 09J06
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SCALE: AS NOTED

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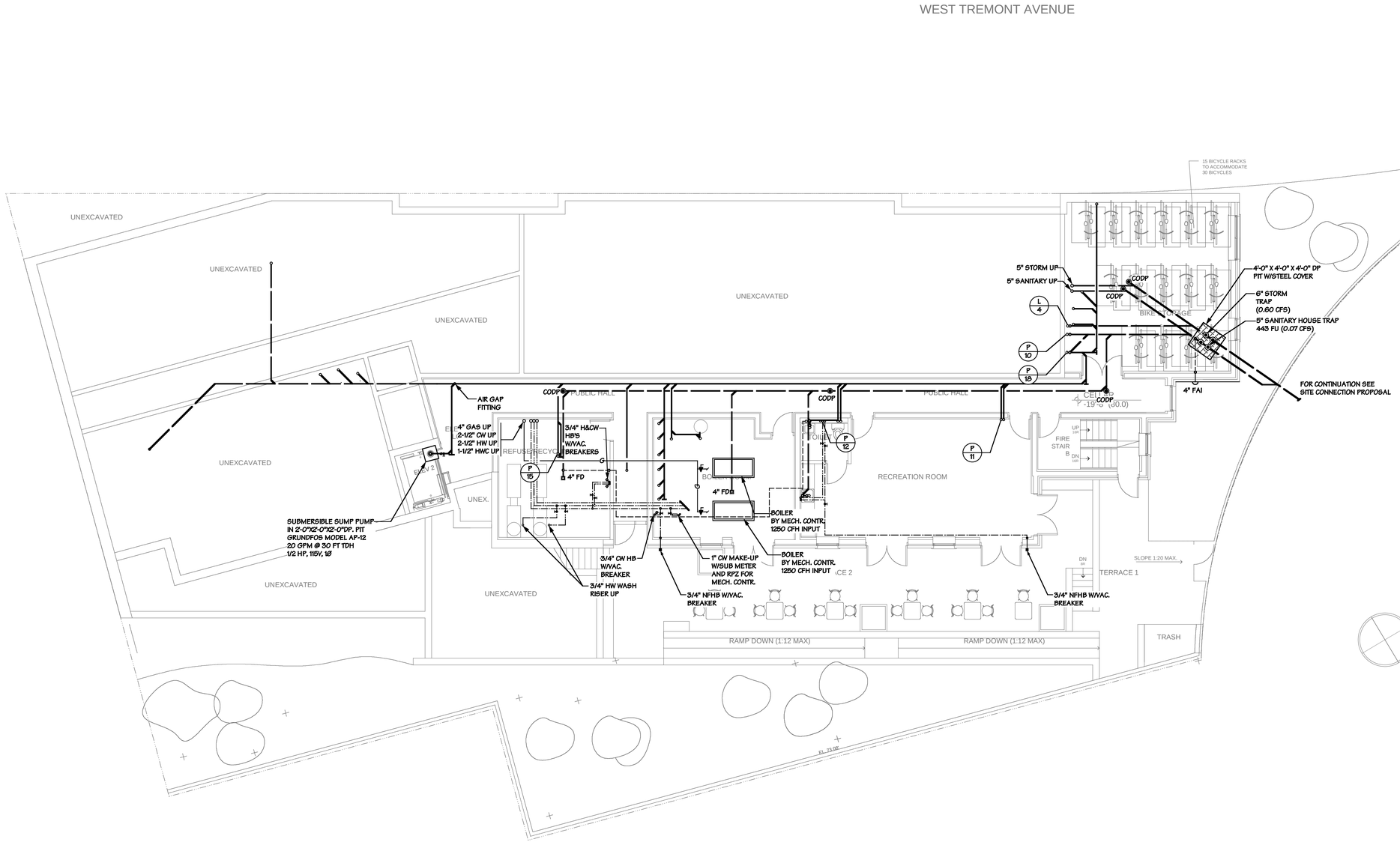
M-012.00

PAGE #:
12 OF 12



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CELLAR FLOOR PLAN

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JOB #: 09J06
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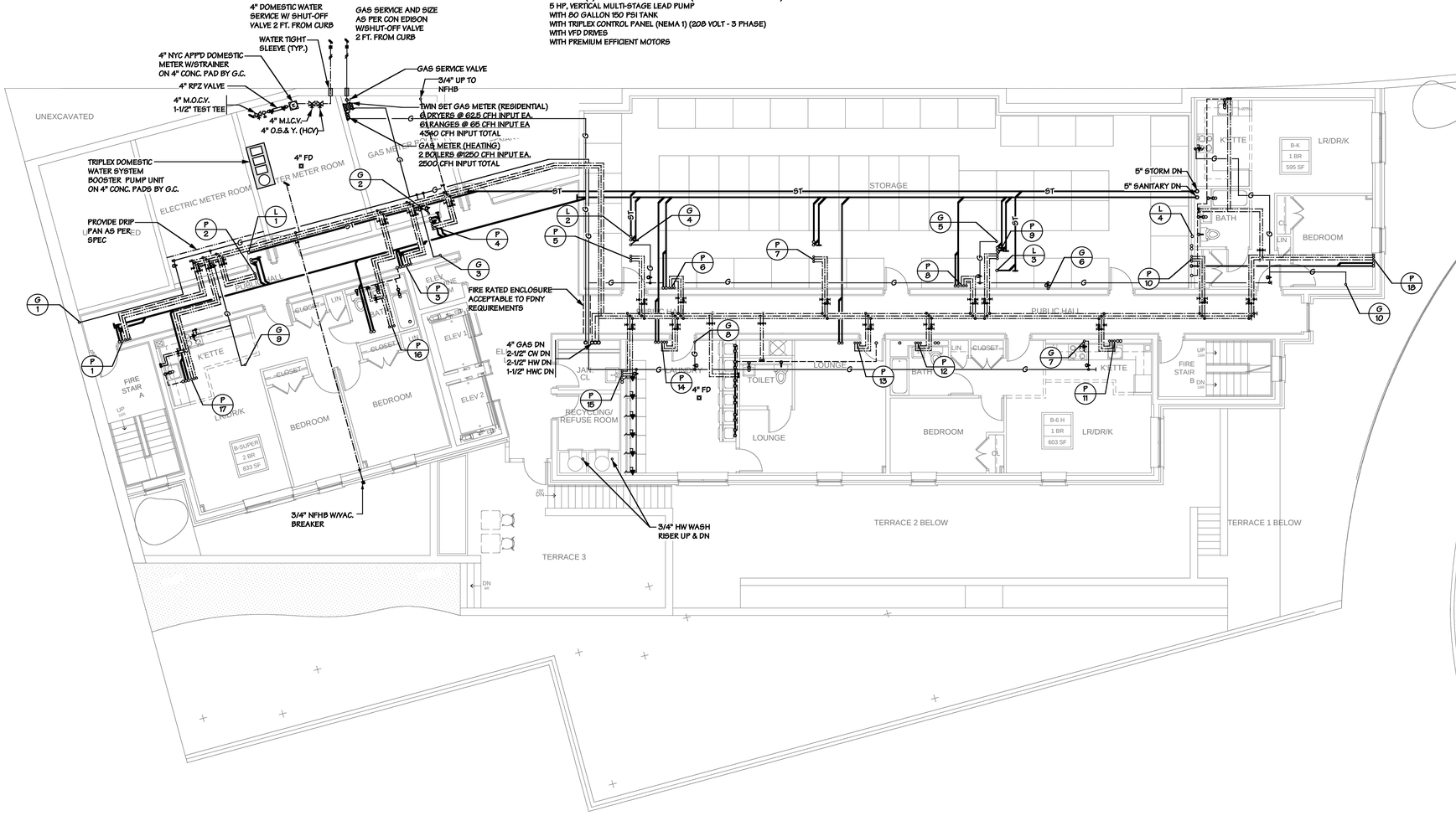
1 OF 12



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BASEMENT FLOOR PLAN

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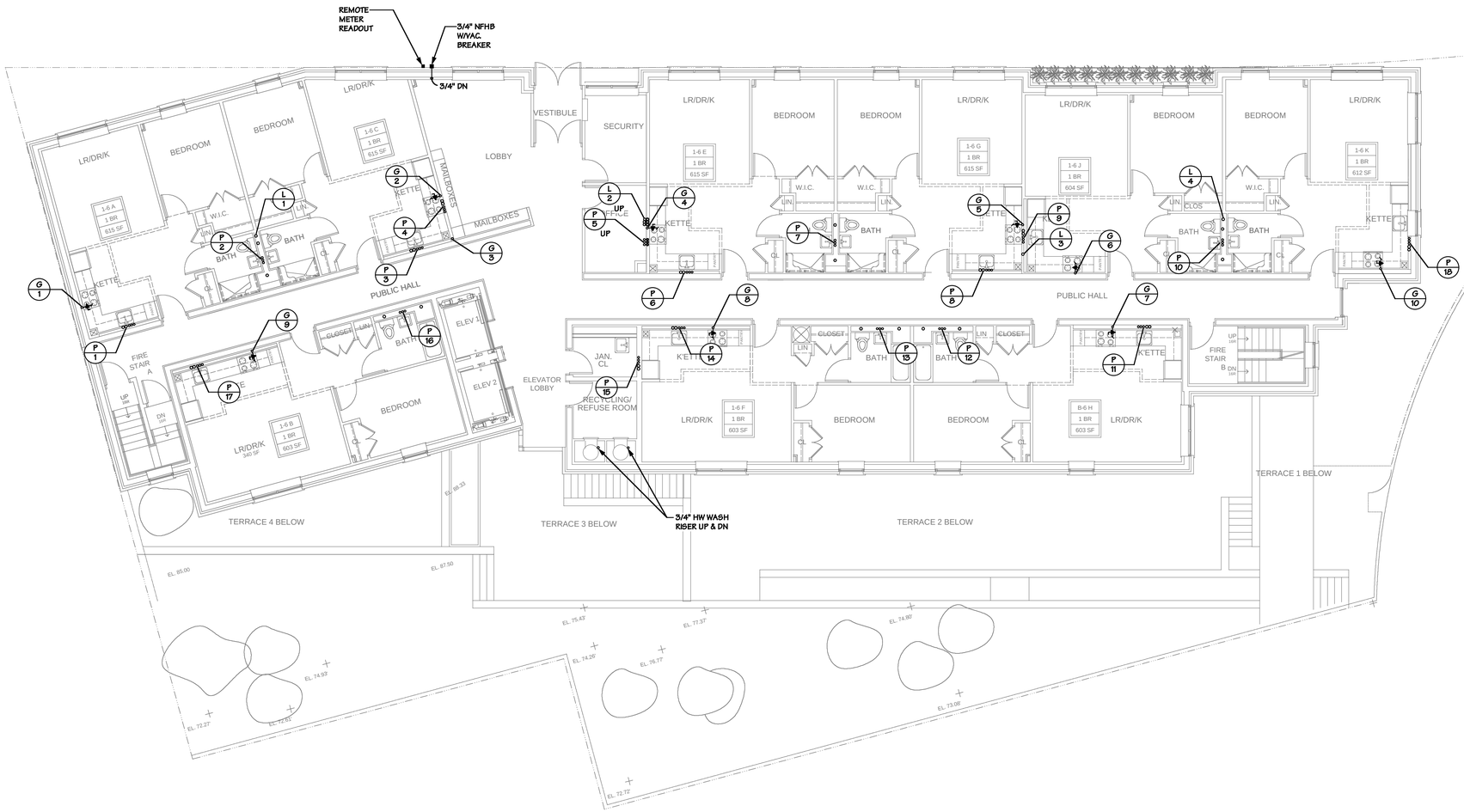

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FIRST FLOOR PLAN

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JOB #: 09J06

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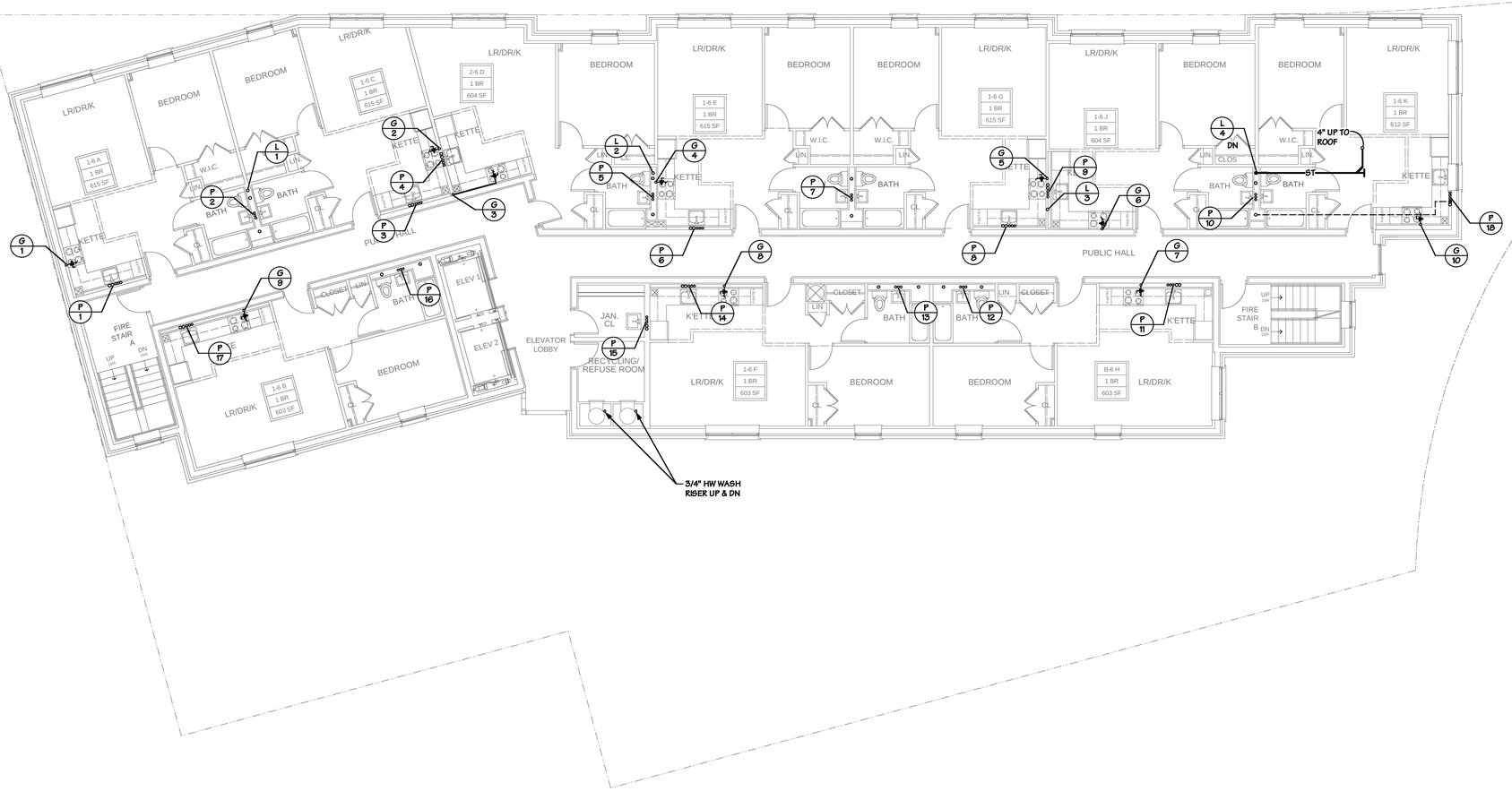

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TYPICAL (2-5) FLOOR PLAN

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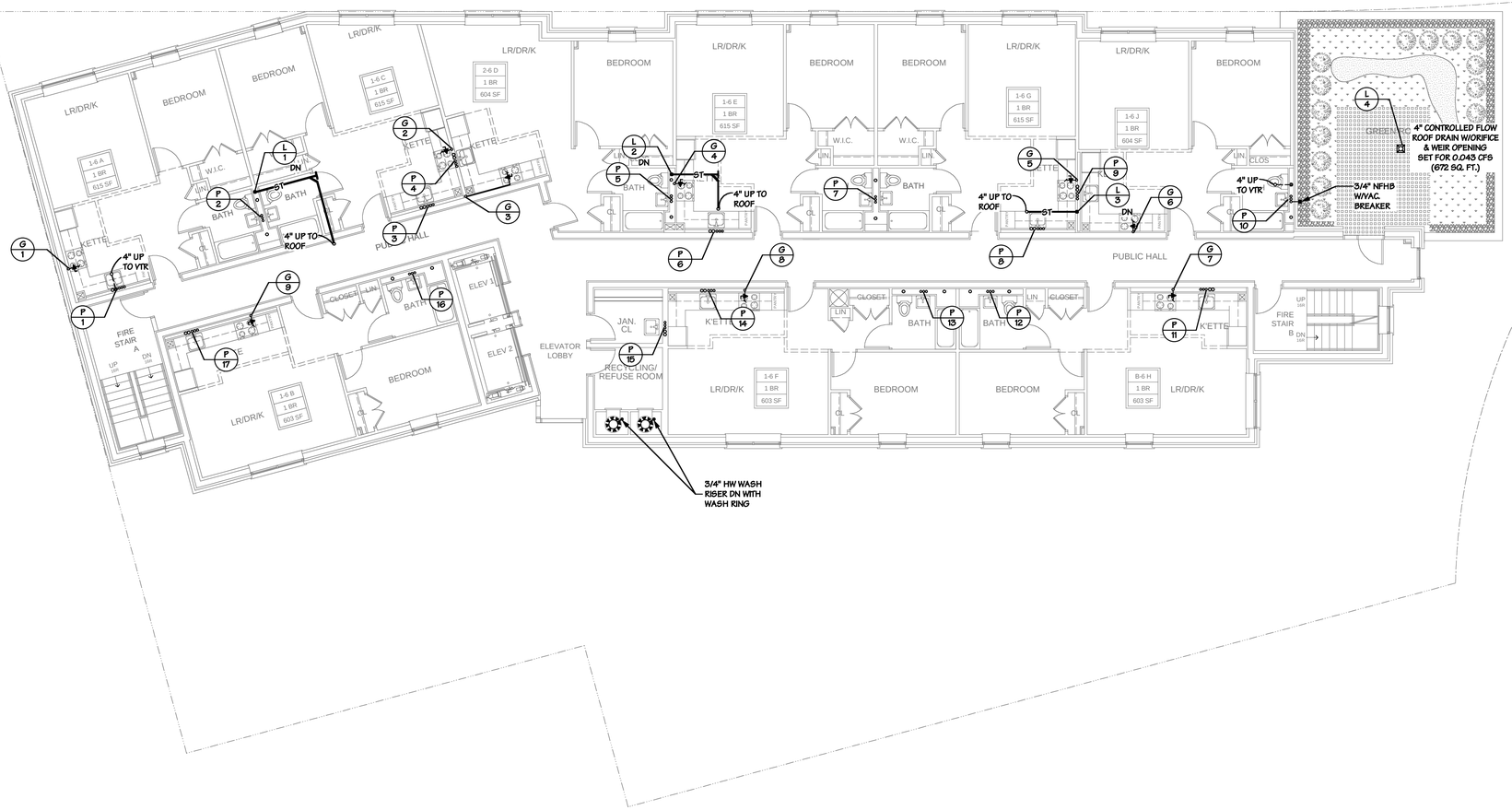

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SIXTH FLOOR PLAN

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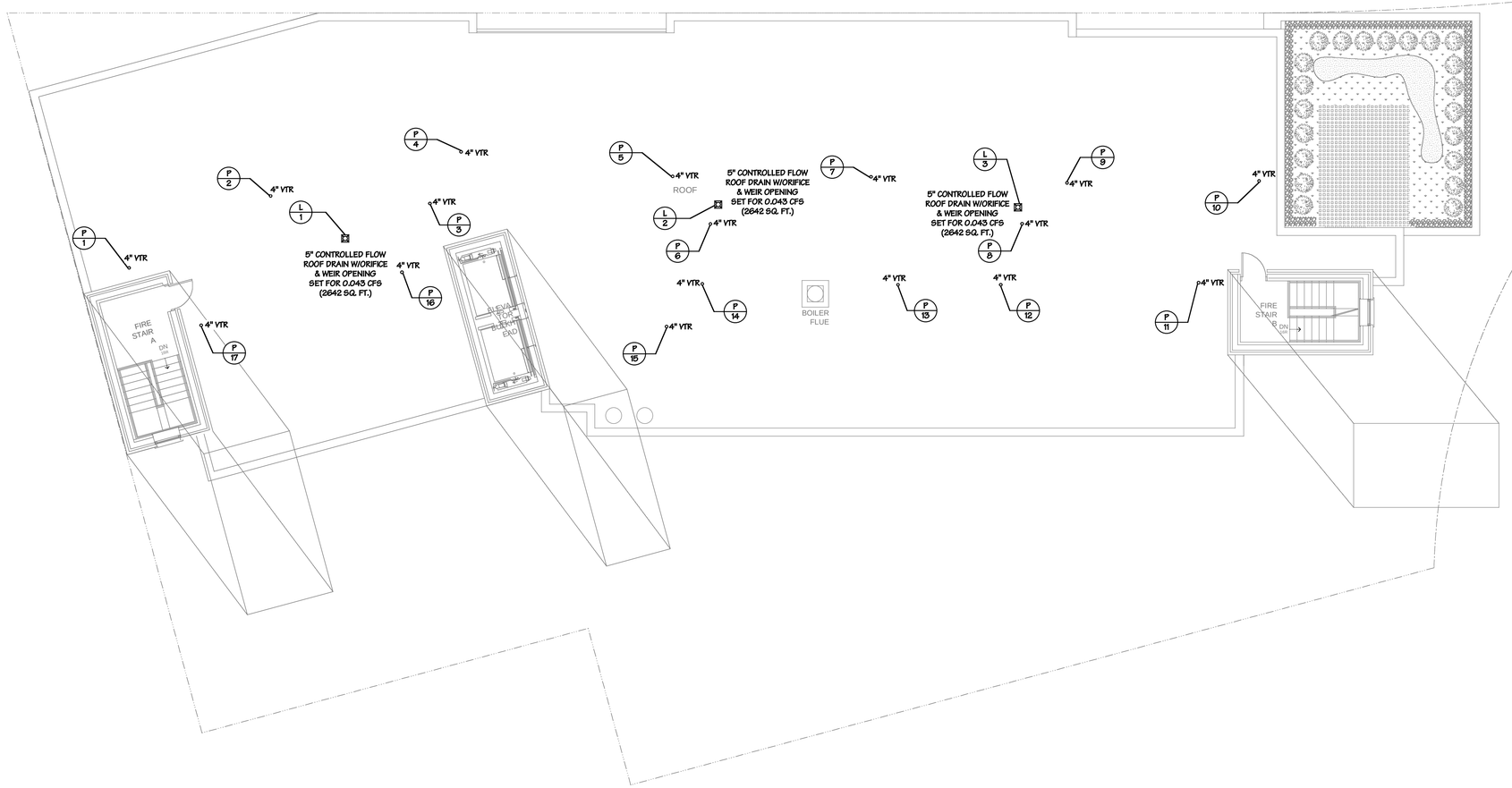

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ROOF PLAN

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NEW YORK CITY NEW YORK 10012
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SCALE: 1/8"=1'-0"

DRAWING #: P-006.00

HYDRAULIC CALCULATIONS - 92 West Tremont Avenue

Site Area = 14897.96 sq. ft. = 0.34 acres
Tributary Area = 14897.96 sq. ft. = 0.34 acres

C = 2900.96 sq. ft. @ 0.85 for asphalt
C = 8621.00 sq. ft. @ 1.00 for roof areas
C = 3376.00 sq. ft. @ 0.20 for grass

SANITARY FLOW: R7-1 For Entire Site

R7-1 mapped zoning
230 persons/acre
150 GPD/person
4 Peak Load Factor

persons/acre * Acres * # GPD/person * Peak Load Factor / 7.48 * 86400 = 0.07 CFS

Actual Sanitary = Allowable Sanitary Flow

STORM FLOW: For Tributary Area

Cw = ((pavement sq.ft. * C) + (roof sq. ft. * C) + (grass sq. ft. * C)) / site area sq. ft. = 0.79

Qall = 0.44 * 4.0 * acres = 0.60 CFS

DEVELOPED FLOW:

Qdev = (sq.ft. * Cw * 5.95) / 43560 = 1.61 CFS

1.61 CFS (Qdev) > 0.60 CFS (Qall) FLOW MUST BE RESTRICTED

Qo = Qall / (acres * Cw) = 2.23 CFS

VOLUME TO BE DETAINED:

t= (SQRT(12600 / Qo) -15 / 2.00 = 22.59

V = 819.16 cu. ft. = 6127.28 gallons

USE ROOF DETENTION:

Use 8621.00 roof sq. ft. x 4.00 inches = 2873.67 cu. ft.

LOT AREA: 14897.96007 SQ. FT. = 0.3420 ACRES

PERMITTED Q (STORM): 0.44 X 4.00 X 0.13 = 0.23 CFS

PROPOSED DESIGN FLOW

WEST 177TH STREET

SANITARY: ENTIRE LOT FULL FLOW
= 0.07

STORM: ENTIRE LOT IS RESTRICTED TO ALLOWABLE
= 0.60 CFS

PAVEMENT 2900.96 SQ. FT.

2900.96 / 43560 X .85 X 5.95 = 0.337 CFS FULL FLOW

GRASS 3376.0 SQ. FT.

3376.0 / 43560 X .2 X 5.95 = 0.092 CFS FULL FLOW

ROOF 8621.0 SQ. FT.

8621.0 / 43560 X 1.0 X 5.95 = 1.178 CFS

TOTAL DEVELOPED FLOW = 1.61 CFS WHICH MUST BE RESTRICTED

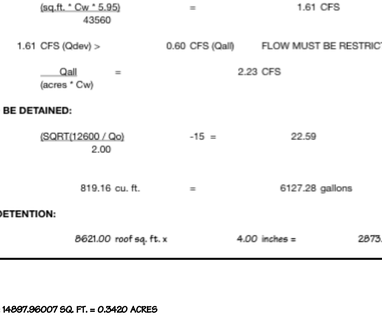
USE ROOF DETENTION

ALLOWABLE FLOW 0.60 CFS - PAVEMENT 0.337 CFS - GRASS 0.092 CFS = 0.171 CFS

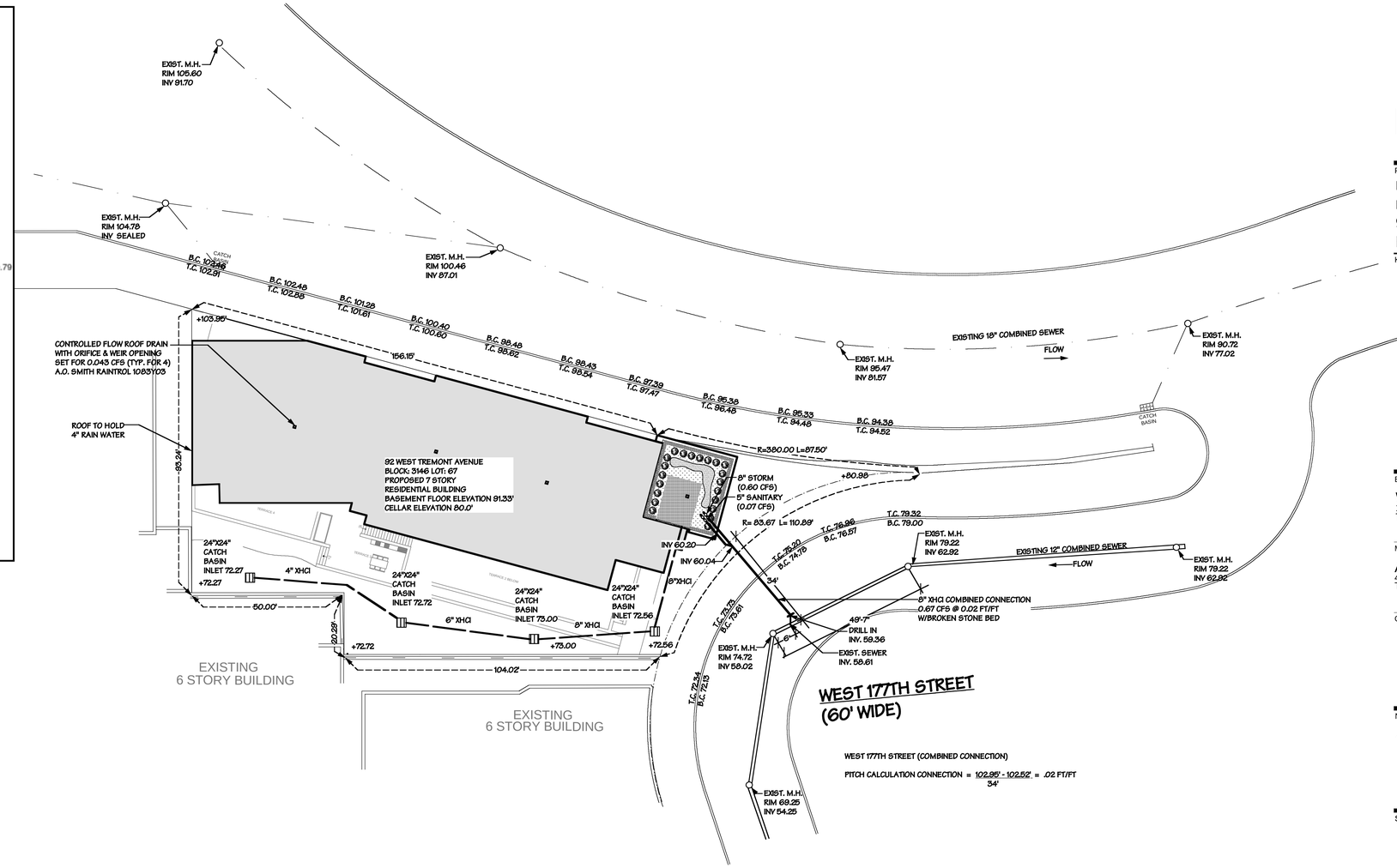
RESTRICT ROOF TO 0.171 CFS USING 4 ROOF DRAINS WITH ORIFICE & WEIR SET TO 0.043 CFS EACH (4 x 0.043 = 0.171 CFS)

RESTRICT ENTIRE SITE STORM TO ALLOWABLE = 0.60 CFS

(1) COMBINED CONNECTION 0.67 CFS

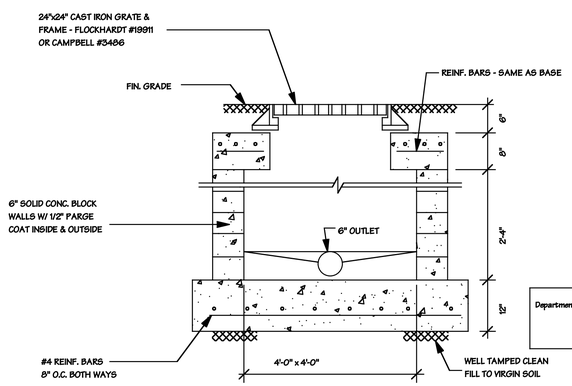


TYPICAL FLAT ROOF TYPE FLOW CONTROL ROOF DRAIN DETAIL
NOT TO SCALE



SITE PLAN

SCALE: 1"= 20'-0"



CATCH BASIN DETAIL
NO SCALE

NOTE:
CLEAR UTILITIES AS PER D.E.P. ,VERIZON AND CON EDISON REQUIREMENTS.

NOTE:
ALL ELEVATIONS SHOWN REFER TO THE BRONX DATUM WHICH IS 2.608' ABOVE MEAN SEA LEVEL AT SANDY HOOK AS ESTABLISHED BY THE U.S. COAST AND GEODETIC SURVEY.

NOTE:
THE INVERT ELEVATIONS OF THE PROPOSED CONNECTIONS MUST BE FINALLY DEFINED ON SITE (IN THE FIELD) DEPENDING ON THE ELEVATIONS OF THE EXISTING SPURS.

SITE STORM FLOW OF 1.61 CFS WILL BE RESTRICTED TO 0.60 CFS BY MEANS OF ROOF DETENTION AND CONTROLLED FLOW DEVICES

GRADE AND SITE ELEVATIONS SHOWN HEREON REFER TO SURVEY FROM:

JOSEPH NICOLETTI ASSOCIATES
PROFESSIONAL LAND SURVEYORS, P.C.
499 JERICHO TURNPIKE, SUITE 201
MINEOLA, NEW YORK 11501

516-873-7278

SURVEYED FEBRUARY 10, 2009

Timothy Joseph Department of Housing Preservation and Development/ HPD 100 Gold Street New York, New York 10038 (212) 863-6364	THESE PLANS ARE APPROVED ONLY FOR THE WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES	Site Connection Proposal For 92 WEST TREMONT AVENUE BRONX, N.Y.	Date: 4/30/12 Scale: 1"= 20'-0"	Building Dept. No. 220177350	Zoning: R7-1 Map No. 3c	Block 2867 Lot 125

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PROMESA

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PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET | NEW YORK, NY 10001
TEL: 212.643.1500 | FAX: 212.268.8960

MEP CONSULTANT:
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45 W 34TH ST | NEW YORK, NY 10001
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SITE CONNECTION PROPOSAL

ARCHITECT:
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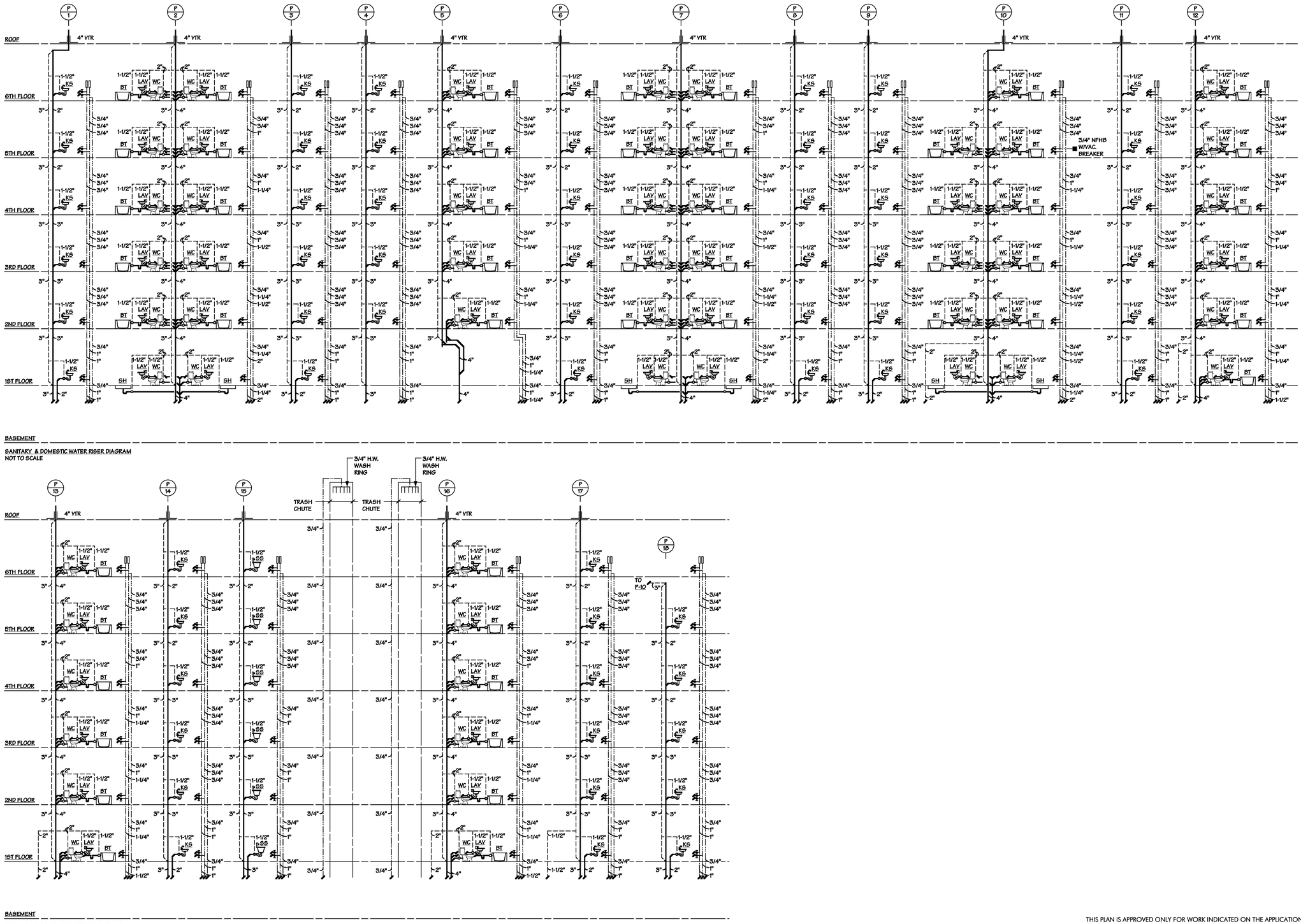
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: AS NOTED

DRAWING #: P-007.00



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RISER DIAGRAMS

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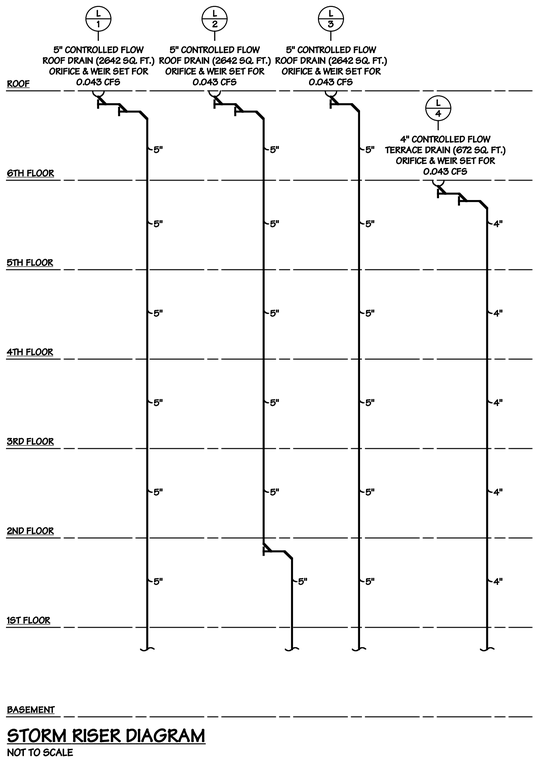
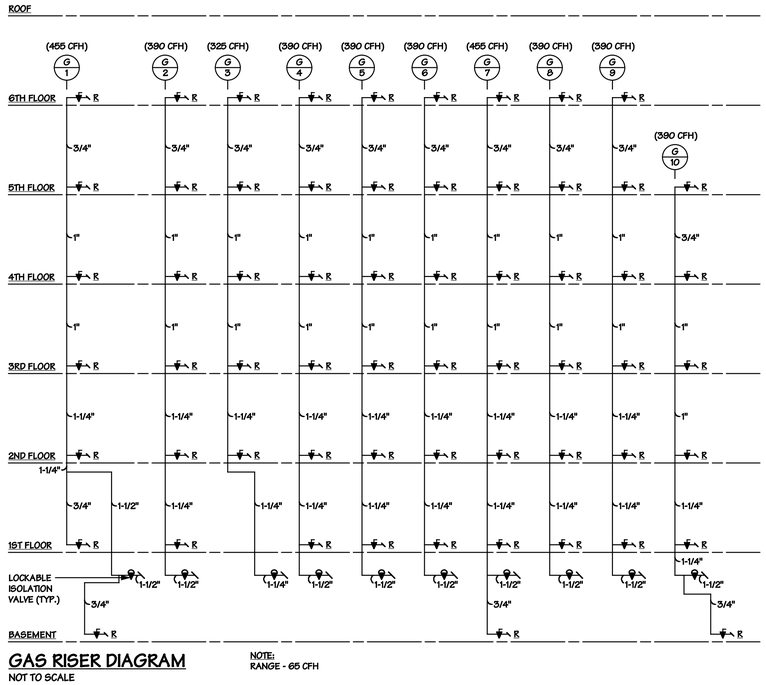


STORM RISER DIAGRAM

NOT TO SCALE



GAS RISER DIAGRAM

NOT TO SCALE

NOTE:
RANGE - 65 CFH

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PROMESA

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PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

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t 212 675 6470 f 212 675 6728

DATE: 05/18/2012

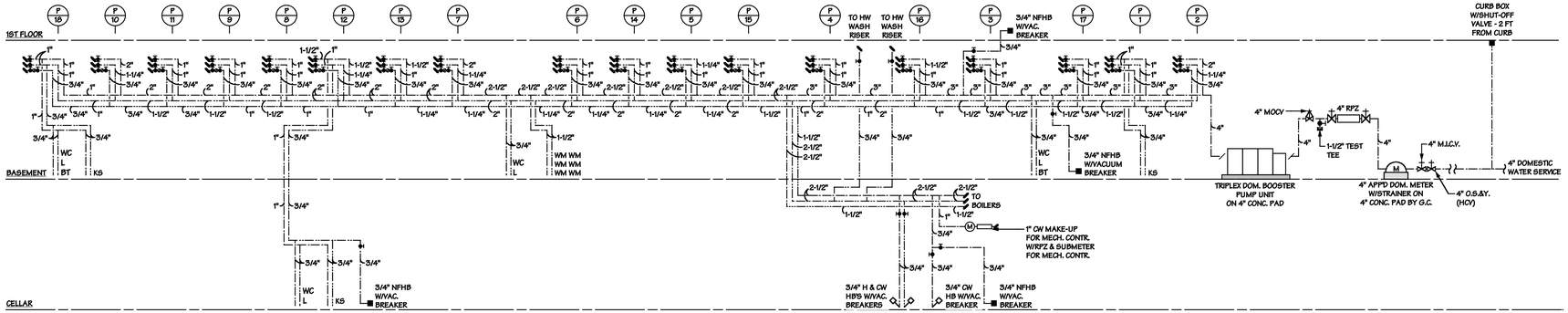
JOB #: 09J06

DRAWN BY: YL/PJ

SCALE: AS NOTED

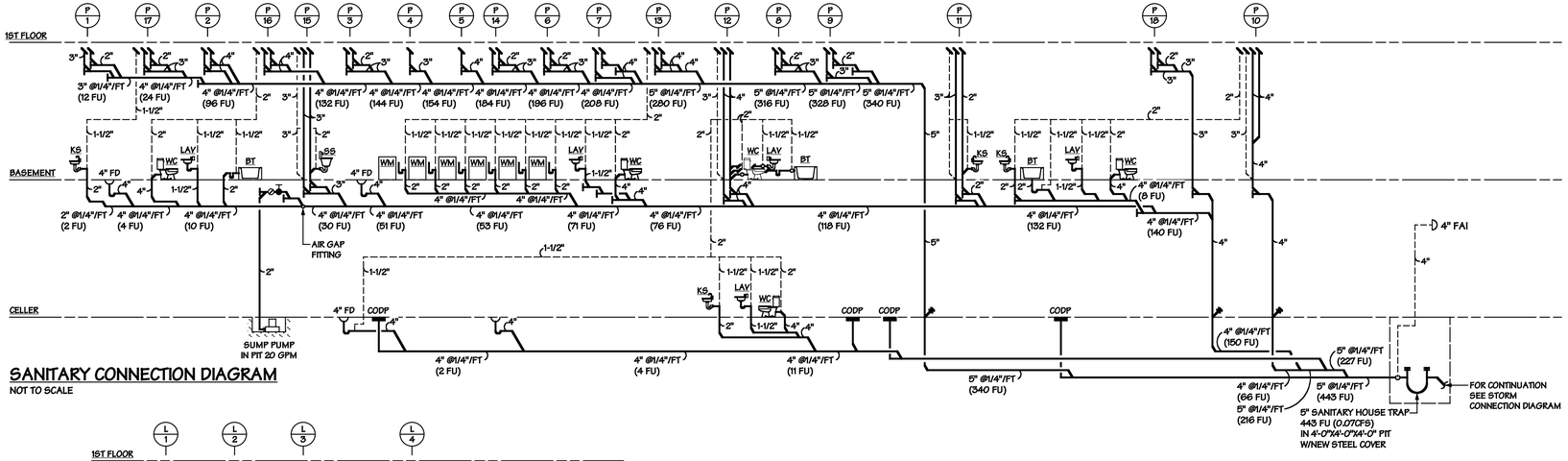
DRAWING #:

P-009.00



DOMESTIC WATER CONNECTION DIAGRAM

NOT TO SCALE



SANITARY CONNECTION DIAGRAM

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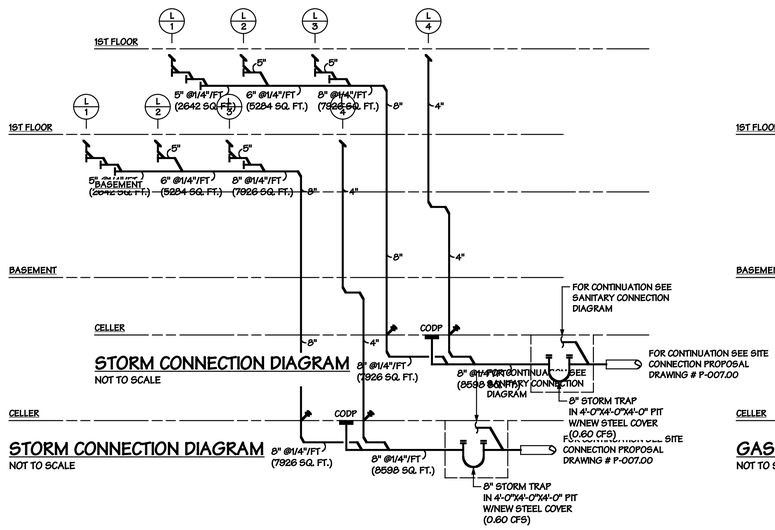

STORM CONNECTION DIAGRAM

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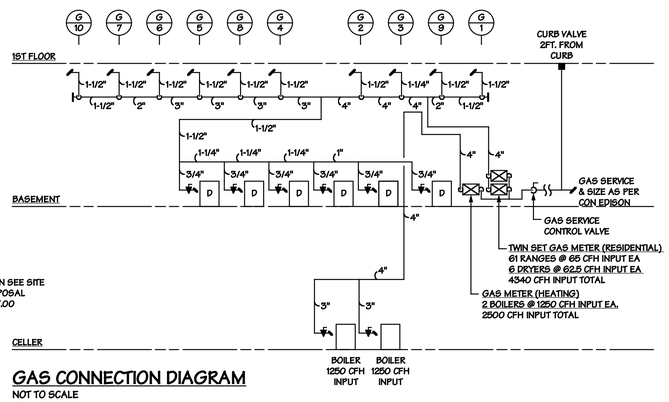

GAS CONNECTION DIAGRAM

NOT TO SCALE

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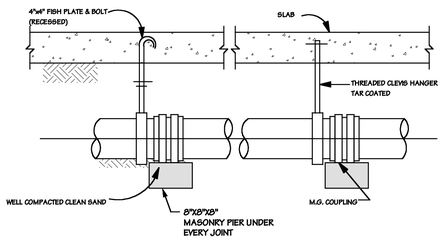
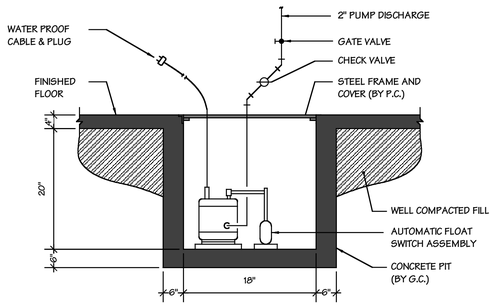


NOTE: LOCATE HANGERS ERVERY 8 FT AND AFTER EVERY M.G. COUPLING

1 PIPE HANGING DETAIL (UNDERGROUND)
NOT TO SCALE



2 ELEVATOR SUMP PUMP DETAIL
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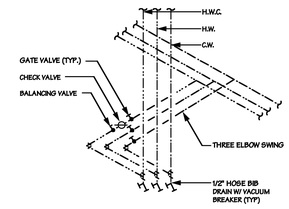
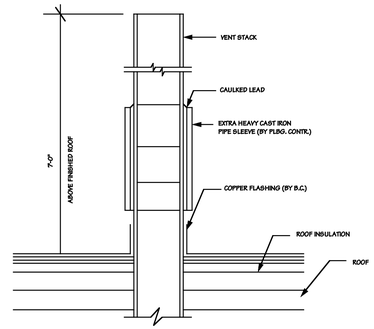


TYPICAL VALVING AT BASE OF RISERS
NOT TO SCALE

3 TYPICAL IN-LINE PIPE CONNECTION DETAIL
NOT TO SCALE



4 TYPICAL GAS VENT THRU ROOF WITH VENT CAP DETAIL
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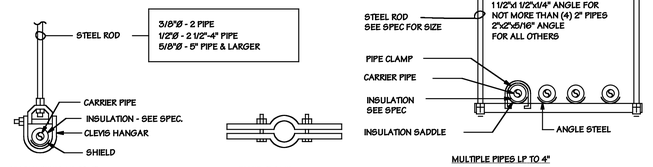

5 TYPICAL PIPE HANGER AND SUPPORT DETAIL
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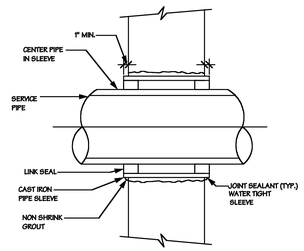
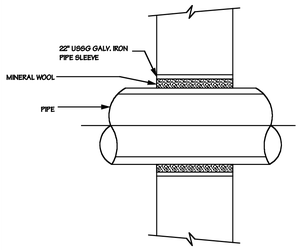
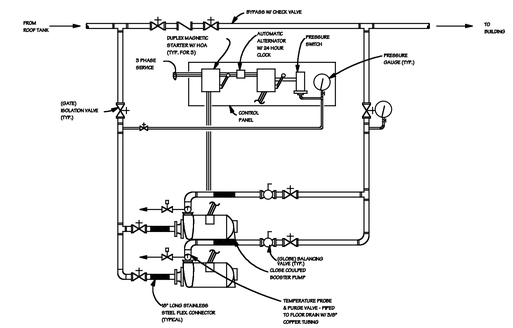


6 WATERTIGHT SLEEVE EXTERIOR WALLS DETAIL
NOT TO SCALE



7 PIPES PASSING THRU INTERIOR WALLS DETAIL
NOT TO SCALE



8 DUPLEX BOOSTER PUMP DETAIL
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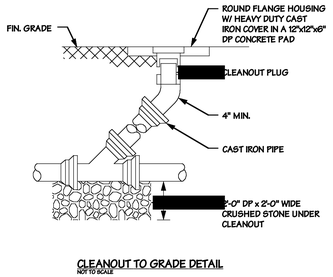
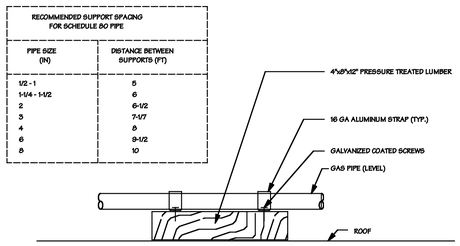


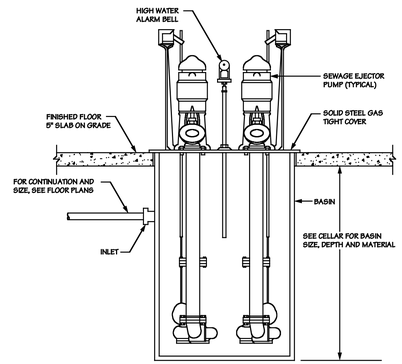
CLEANOUT TO GRADE DETAIL
NOT TO SCALE

9 TYPICAL SMALL THRU-WALL UNIT - BRICK WALL INSTALLATION DETAIL
NOT TO SCALE



GAS PIPE SUPPORT ON ROOF
NO SCALE

10 TYPICAL AIR-COOLED CONDENSING UNIT - SLAB MOUNTED DETAIL
NOT TO SCALE



11 SEWAGE EJECTOR DETAIL
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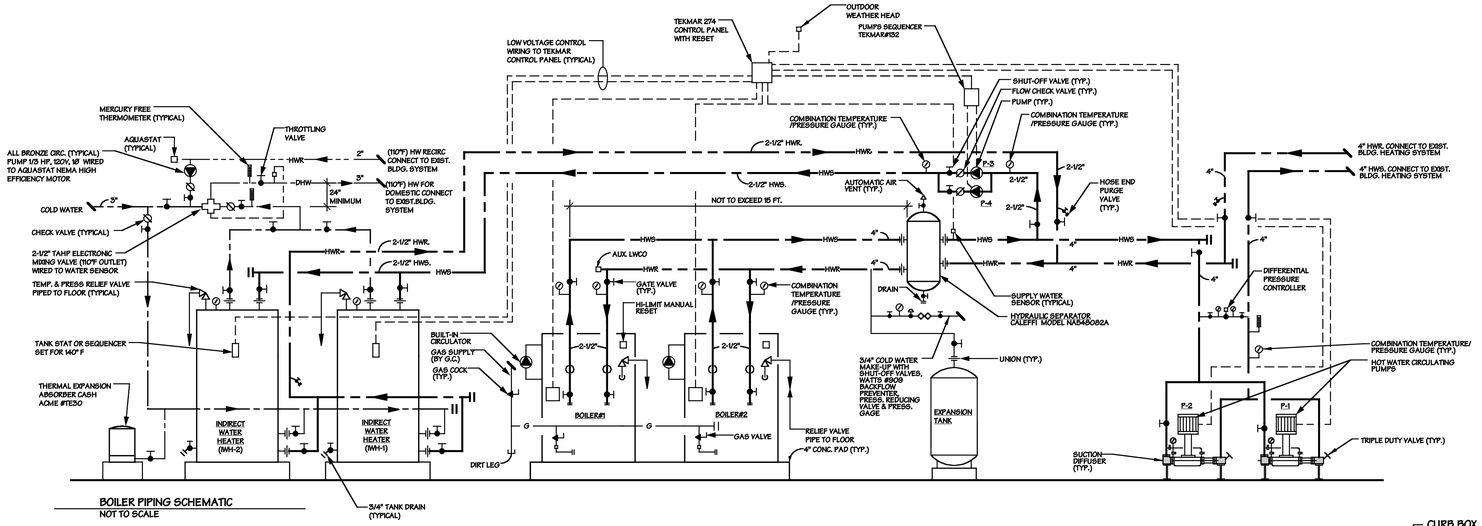
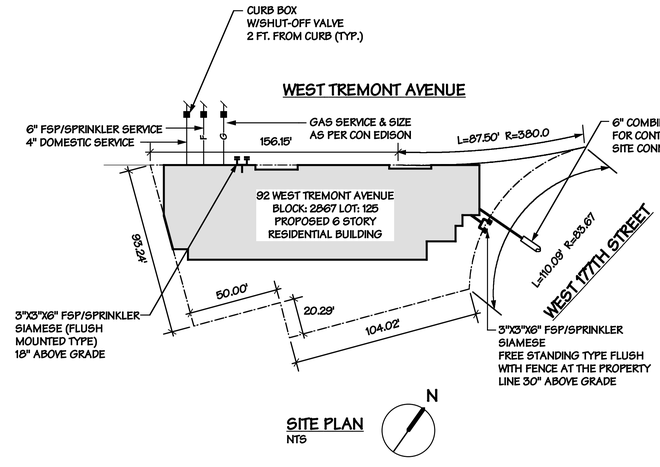


BOILER PIPING SCHEMATIC
NOT TO SCALE

NOTES:

1. PITCH BREECHING UP TOWARD CHIMNEY 1/4" PER RUNNING FOOT.
2. LOCATE OUTDOOR SENSOR ON NORTH WALL IN SUNSHIELD.
3. INSTALLATION OF BOILERS SHALL BE IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
4. SUBMIT BREECHING LAYOUT PRIOR TO FABRICATION.
5. VENT ALL HIGH POINTS & DRAIN ALL LOW POINTS.
6. PROVIDE REVERSE RETURN PIPING ARRANGEMENT TO DOMESTIC HOT WATER HEATERS.
7. PROVIDE VIBRATION ISOLATORS FOR PIPE HANGERS.
8. SOUND ATTENUATION SHALL BE SPECIFIED BY ARCHITECT.
9. MAINTAIN CLEARANCES AROUND NEW EQUIPMENT AS PER MANUFACTURES REQUIREMENTS.
10. PROVIDE PIPE LABELS IN COORDINATION WITH OWNERS REPRESENTATIVE.



SITE PLAN
NTS

ACCESSIBILITY (ADA) COMPLIANCE FOR PLUMBING WORK (COORDINATE WITH ARCHITECT)

4.16 WATER CLOSETS

4.16.1 GENERAL - ACCESSIBLE WATER CLOSETS SHALL COMPLY WITH 4.16. FOR WATER CLOSETS IN DWELLING UNITS, SEE 4.32.4.2.

4.16.2 CLEAR FLOOR SPACE - CLEAR FLOOR SPACE FOR WATER CLOSETS NOT IN STALLS SHALL COMPLY WITH FIG. 28. CLEAR FLOOR SPACE MAY BE ARRANGED TO ALLOW EITHER A LEFT-HAND OR RIGHT-HAND APPROACH.

4.16.3* HEIGHT - THE HEIGHT OF WATER CLOSETS SHALL BE 17 IN. TO 19 IN. (430 mm TO 485 mm), MEASURED TO THE TOP OF THE TOILET SEAT (SEE FIG. 29). SEATS SHALL BE SPRUNG TO RETURN TO A LIFTED POSITION.

4.16.4* GRAB BARS - GRAB BARS FOR WATER CLOSETS NOT LOCATED IN STALLS SHALL COMPLY WITH FIG. 29 AND WITH 4.24.

4.16.5* FLUSH CONTROLS - FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC AND SHALL COMPLY WITH 4.25.4. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED FOR USE FROM THE WIDE SIDE OF THE TOILET STALL AND SHALL BE NO MORE THAN 44 IN. (1120mm) ABOVE THE FLOOR.

4.16.6 DISPENSERS - TOILET PAPER DISPENSERS SHALL COMPLY WITH 4.25.4 AND SHALL BE INSTALLED WITHIN REACH.

4.19 LAVATORIES, SINKS, AND MIRRORS

4.19.1 GENERAL - ACCESSIBLE LAVATORY FIXTURES, SINKS, VANITIES AND BUILT-IN LAVATORIES SHALL COMPLY WITH 4.19.

4.19.2 HEIGHT AND CLEARANCES

4.19.2.1 LAVATORIES - SHALL BE MOUNTED WITH A CLEARANCE OF AT LEAST 29 IN. (735mm) FROM THE FLOOR TO THE BOTTOM OF THE APRON. KNEE AND TOE CLEARANCES SHALL COMPLY WITH FIG. 31.

4.19.2.2 SINKS - SINKS SHALL BE MOUNTED WITH THE COUNTER OR RIM NO HIGHER THAN 34 IN (865mm) FROM THE FLOOR. EACH SINK SHALL BE A MAXIMUM OF 6-1/2 IN. (165mm) DEEP. (SINKS IN KITCHENS OF ACCESSIBLE DWELLING UNITS SHALL COMPLY WITH 4.32.5.5)

4.19.3 CLEAR FLOOR SPACE - A CLEAR FLOOR SPACE 30 IN BY 48 IN (760mm BY 1220 mm) COMPLYING WITH 4.2.4 SHALL BE PROVIDED IN FRONT OF A LAVATORY OR SINK TO ALLOW A FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL EXTEND A MAXIMUM OF 19 IN. (485mm) UNDERNEATH THE LAVATORY OR SINK.

4.19.4 EXPOSED PIPES AND SURFACES - HOT WATER AND DRAIN PIPES UNDER LAVATORIES OR SINKS SHALL BE INSULATED OR OTHERWISE PROTECTED IF THEY ABUT THE CLEARANCE AREAS INDICATED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES OR SINKS.

4.19.5 FAUCETS - FAUCETS SHALL COMPLY WITH 4.25.4. CONVENTIONAL ONE-QUARTER-TURN, LEVER-OPERATED, PUSH-TYPE AND AUTOMATICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

4.19.6* MIRROR - MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE OF THE REFLECTED SURFACE NO HIGHER THAN 40 IN (1015mm) FROM THE FLOOR.

Table 504.5 Service Water Heating Minimum Pipe Insulation [a] (R value or Inches)	
Fluid	
Automatic Circulating Hot Water System	R-4
Cold Water Piping	1/2"

a. Based on insulation having a conductivity (k) not exceeding 0.27 BTU per inch/h • ft2 • °F

Plumbing Pump Schedule									
Pump	Location	Manufacturer	Model #	GPM	FT Head	Motor	Volts	Phase	Notes
Triplex Booster Unit	Cellar	SICO	2300	135	30 PSI	(1) 1-1/2HP, (2) 5HP	208	3	Premium Efficient Motors & VFD Drives
Submersible Sump Pump	Cellar	Grundfos	AP-12	20	30'	1/2	120	1	
HWC Recirc. Pump	Boiler Room	TACO	1610	20	12'	1/3	120	1	

Schedule of Fixture Connection and Water Data								
Fixture	Abbreviation	Soil/Waste (S/W)	Vent (V)	Cold Water (CW)	Hot Water (HW)	Fixture Units (FU)	Quantity	Total FU
Water Closet (Tank)	WC	4"	2"	1/2"		3	63	189
Lavatory	L	1-1/2"	1-1/2"	1/2"	1/2"	1	63	63
Bathtub	BT	1-1/2"	1-1/2"	1/2"	1/2"	2	55	110
Shower	SH	1-1/2"	1-1/2"	1/2"	1/2"	2	6	12
Kitchen Sink	KS	2"	1-1/2"	1/2"	1/2"	2	61	122
Service Sink	SS	3"	1-1/2"	3/4"	3/4"	3	7	21
Washing Machine	WM	2" I.W.	1-1/2"	3/4"	3/4"	3	6	18
							Total =	535

535 Fixture Units = 134 GPM
134 GPM = 4" Water Service

ABBREVIATIONS

CO - CLEANOUT
CW - COLD WATER
CODP - CLEANOUT W/DECKPLATE
DF - DRINKING FOUNTAIN
DW - DISHWASHER
EJ - EJECTOR
FAI - FRESH AIR INLET
FD - FLOOR DRAIN
G - GAS
HB - HOSE BIBB WITH VACUUM BREAKER
HW - HOT WATER
HWC - HOT WATER CIRCULATING
KS - KITCHEN SINK
LAV - LAVATORY
NFHB - NON FREEZE HOSE BIBB
RD - ROOF DRAIN
S - SOIL
SAN - SANITARY
SH - SHOWER
SK - SINK
SS - SERVICE SINK
ST - STORM
UR - URINAL
V - VENT
VTR - VENT THRU ROOF
W - WASTE
WC - WATER CLOSET
WM - WASHING MACHINE

SYMBOL LIST

- BALANCING VALVE
- CHECK VALVE
- COLD WATER PIPING
- EJECTOR DISCHARGE
- GAS PIPING
- GATE VALVE
- HOT WATER CIRCULATING PIPING
- HOT WATER PIPING
- LOCKABLE ISOLATION VALVE (GAS)
- PIPING ABOVE FLOOR
- PIPING BELOW FLOOR
- PLUG VALVE
- POINT OF NEW CONNECTION
- SANITARY PIPING
- STORM PIPING
- VENT PIPING

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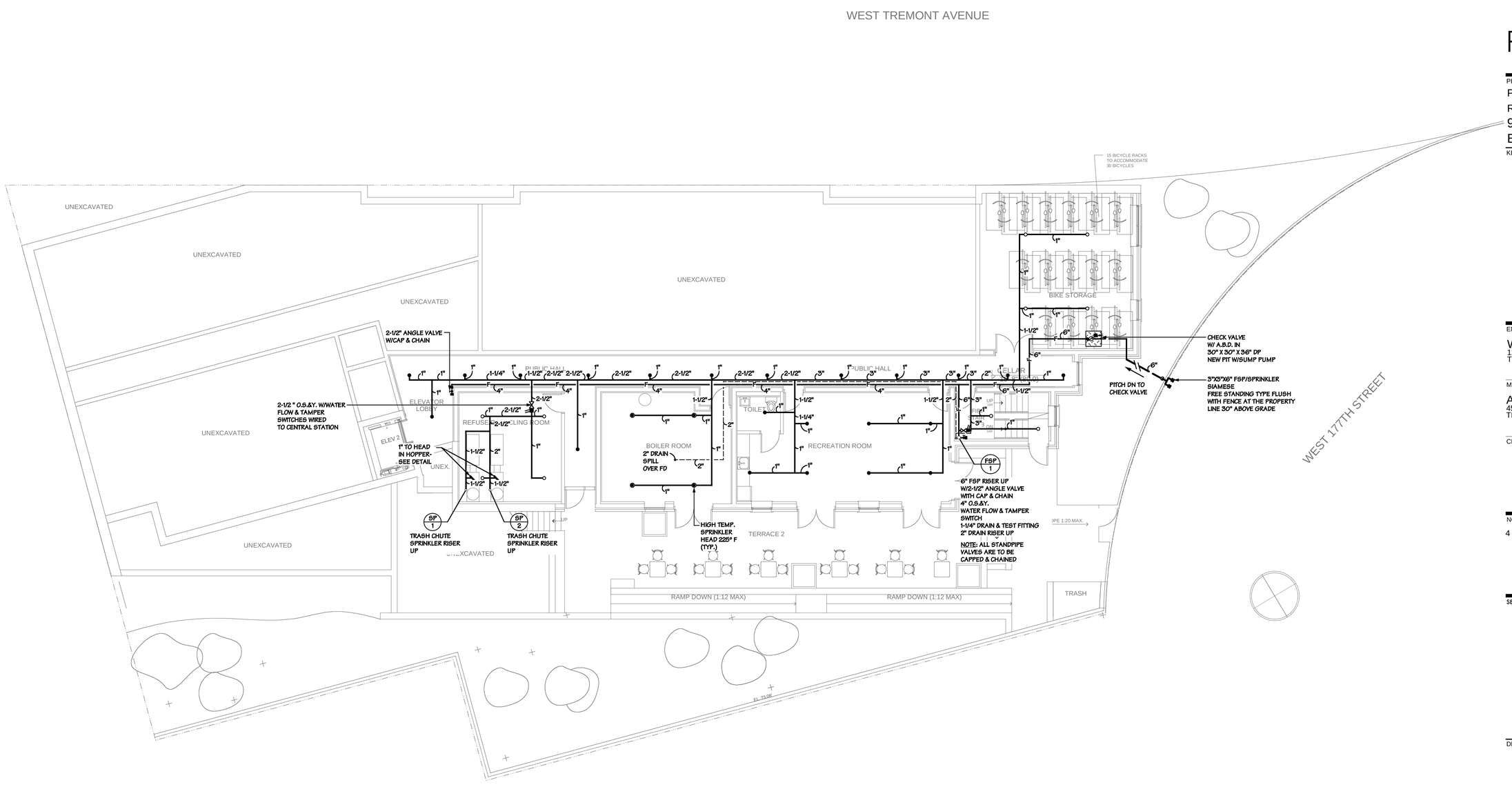

DESIGN CRITERIA: NFPA-13
OCCUPANCY: LIGHT HAZARD
COVERAGE: 130 SF
METHOD: HYDRAULIC
DENSITY 0.10Ø GPM/SQ. FT.
WET SYSTEM: 32 SPRINKLER HEADS PLUS 4 HEADS IN COMPACTOR RM AND 2 HEADS IN HOPPERS

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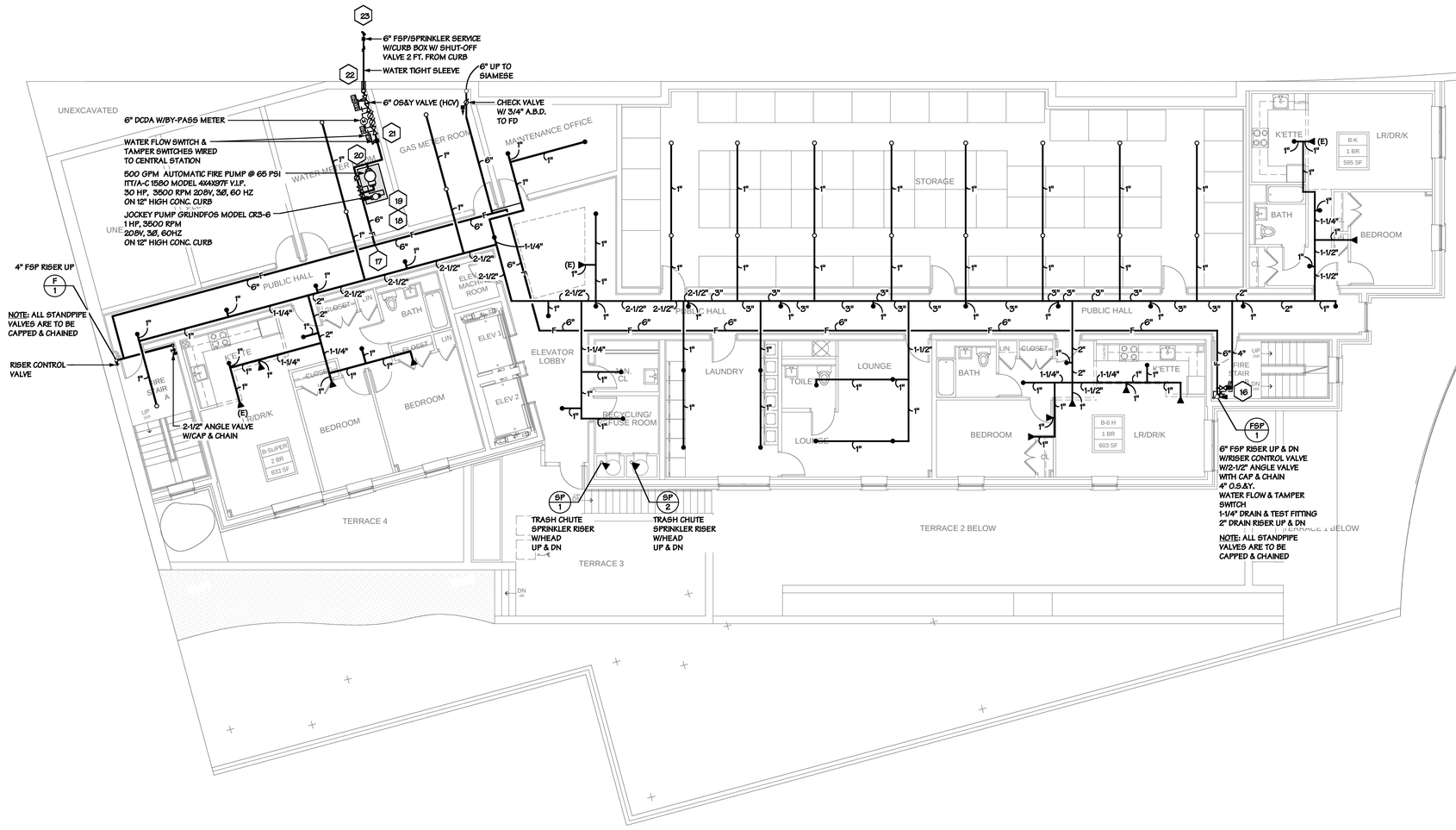

DESIGN CRITERIA: NFPA-13
OCCUPANCY: LIGHT HAZARD
COVERAGE: 130 SF
METHOD: HYDRAULIC
DENSITY 0.10B GPM/SQ. FT.
71 SPRINKLER HEADS
PLUS 2 HEADS IN TRASH CHUTES

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DATE: 05/18/2012
JOB #: 09J06
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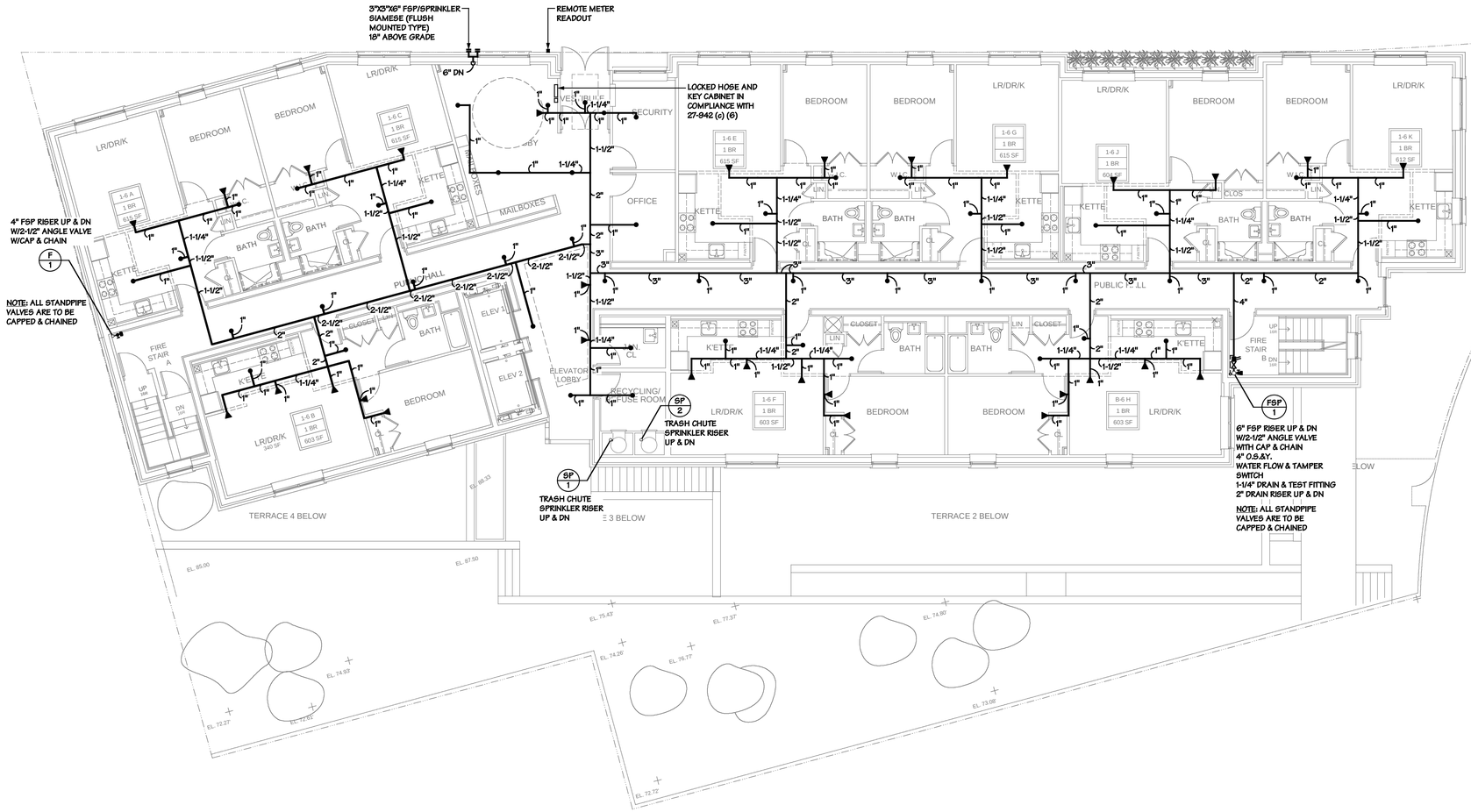
SCALE: 1/8"=1'-0"

DRAWING #: SP-002.00



DESIGN CRITERIA: NFPA-13
OCCUPANCY: LIGHT HAZARD
COVERAGE: 130 SF
METHOD: HYDRAULIC
DENSITY 0.10GPM/SQ. FT.
81 SPRINKLER HEADS

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PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
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TEL: 212.643.1500 | FAX: 212.268.8960

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ABRAHAM JOSELOW, PE, PC
45 W 34TH ST | NEW YORK, NY 10001
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CIVIL ENGINEERING CONSULTANT:

NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

SEAL & SIGNATURE:

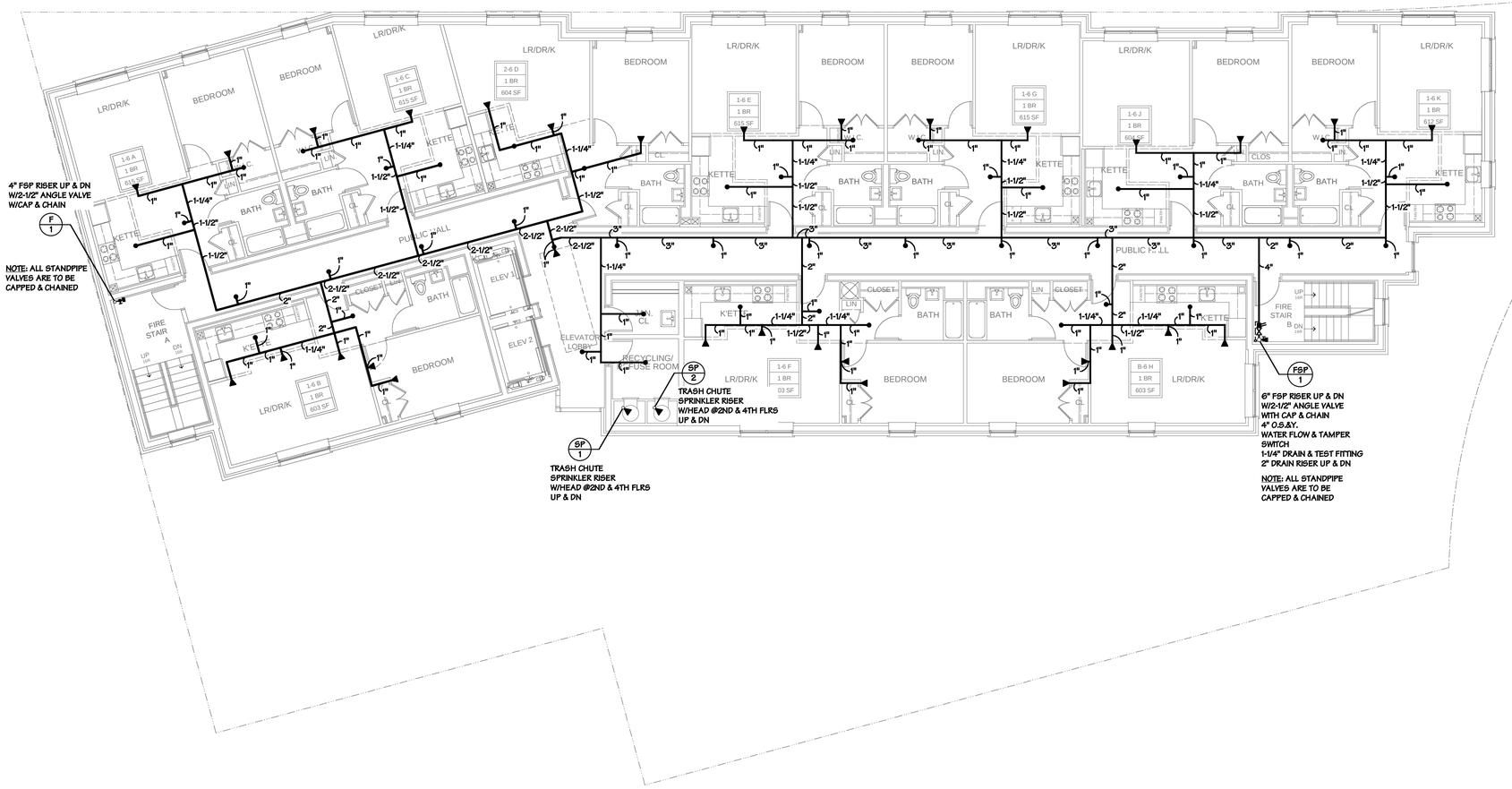
DRAWING TITLE:
FIRST FLOOR PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: 1/8"=1'-0"

DRAWING #:
SP-003.00

PAGE #: 3 OF 8



DESIGN CRITERIA: NFPA-13
OCCUPANCY: LIGHT HAZARD
COVERAGE: 130 SF
METHOD: HYDRAULIC
DENSITY 0.108 GPM/SQ. FT.
75 SPRINKLER HEADS
PLUS 2 HEADS IN TRASH CHUTES

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CIVIL ENGINEERING CONSULTANT:

NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

SEAL & SIGNATURE:

DRAWING TITLE:

TYPICAL (2-5) FLOOR PLAN

ARCHITECT:
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NEW YORK CITY NEW YORK 10012
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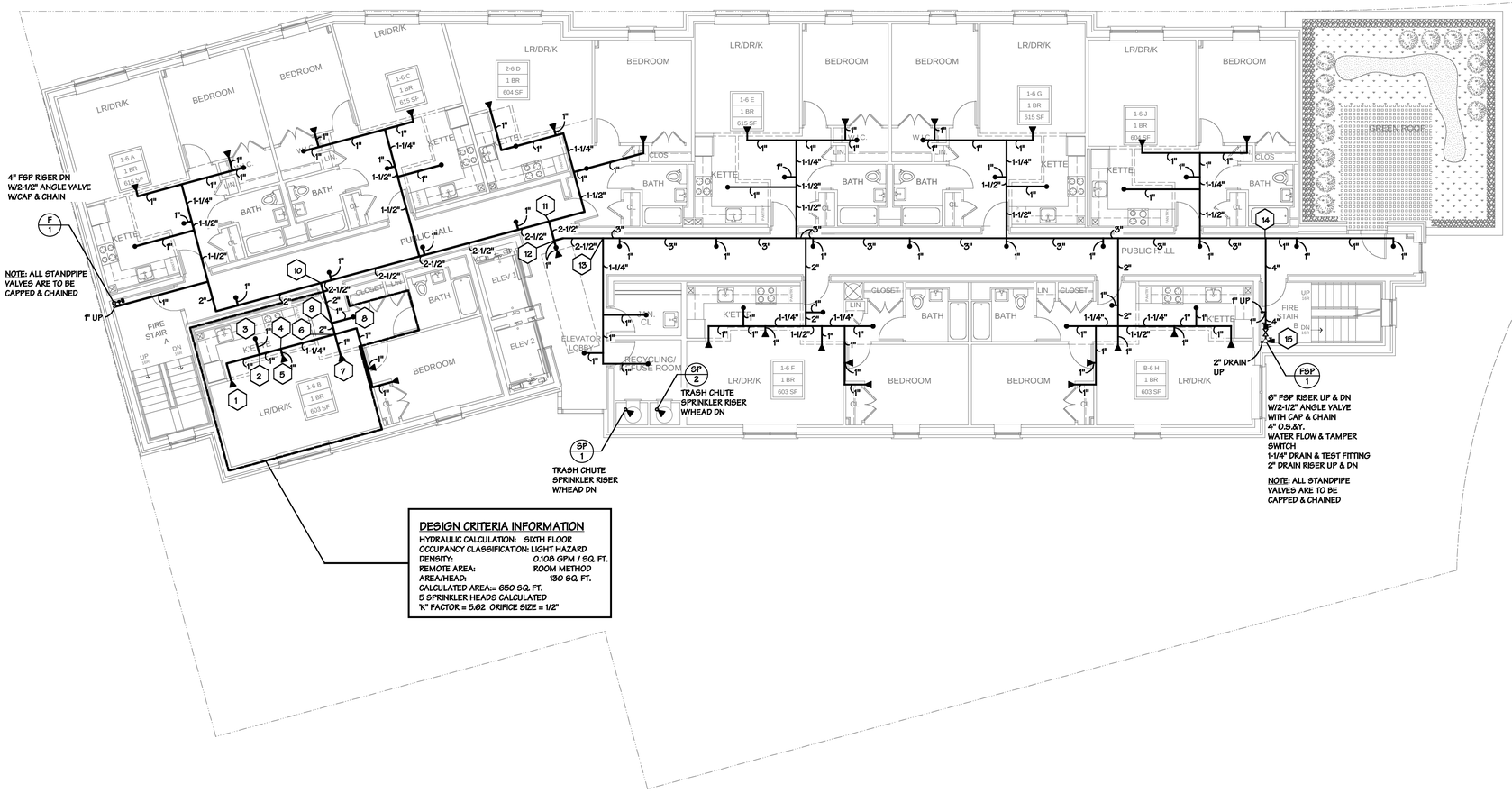
DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: 1/8"=1'-0"

DRAWING #:
SP-004.00



DESIGN CRITERIA INFORMATION

HYDRAULIC CALCULATION: SIXTH FLOOR
OCCUPANCY CLASSIFICATION: LIGHT HAZARD
DENSITY: 0.108 GPM / SQ. FT.
REMOTE AREA: ROOM METHOD
AREA/HEAD: 130 SQ. FT.
CALCULATED AREA:= 650 SQ. FT.
5 SPRINKLER HEADS CALCULATED
"K" FACTOR = 5.62 ORIFICE SIZE = 1/2"

DESIGN CRITERIA: NFPA-13
OCCUPANCY: LIGHT HAZARD
COVERAGE: 130 SF
METHOD: HYDRAULIC
DENSITY 0.108 GPM/SQ. FT.
70 SPRINKLER HEADS
PLUS 2 HEADS IN TRASH CHUTES

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TEL: 212.736.2584 | FAX: 212.736.2520

CIVIL ENGINEERING CONSULTANT:

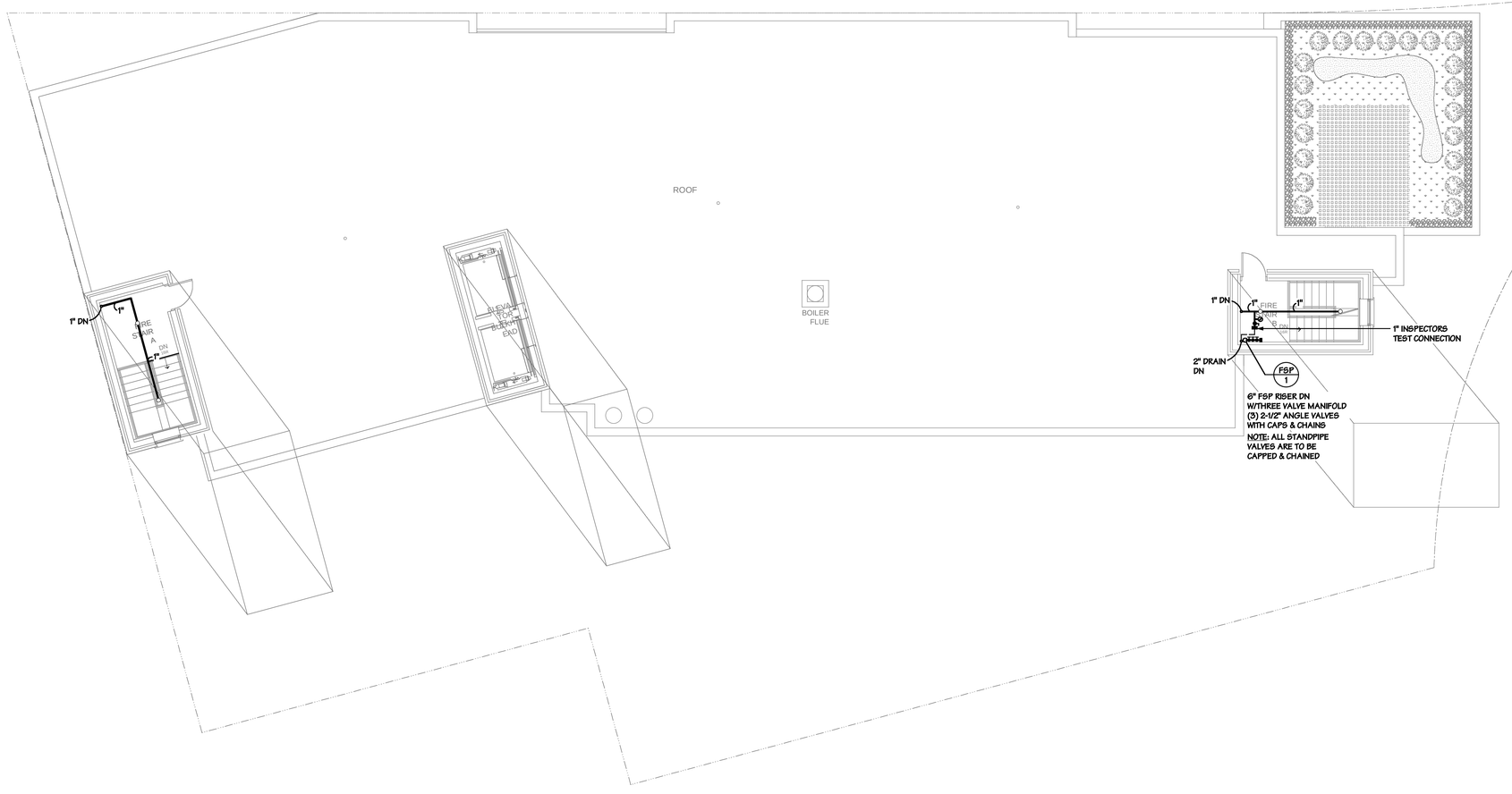
NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

SEAL & SIGNATURE:

DRAWING TITLE:
SIXTH FLOOR PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: 1/8"=1'-0"
DRAWING #: SP-005.00
PAGE #: 5 OF 8



DESIGN CRITERIA: NFPA-13
OCCUPANCY: LIGHT HAZARD
COVERAGE: 130 SF
METHOD: HYDRAULIC
DENSITY 0.10 GPM/SQ. FT.
4 SPRINKLER HEADS

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BRONX, NY 10458

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CIVIL ENGINEERING CONSULTANT:

NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

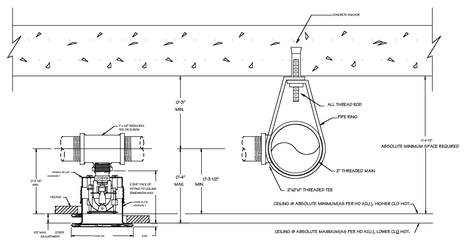
SEAL & SIGNATURE:

DRAWING TITLE:
ROOF PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t 212 675 6470 f 212 675 6728

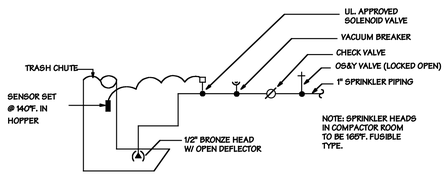
DATE: 05/18/2012
JOB #: 09J06
DRAWN BY: YL/PJ
SCALE: 1/8"=1'-0"

DRAWING #:
SP-006.00



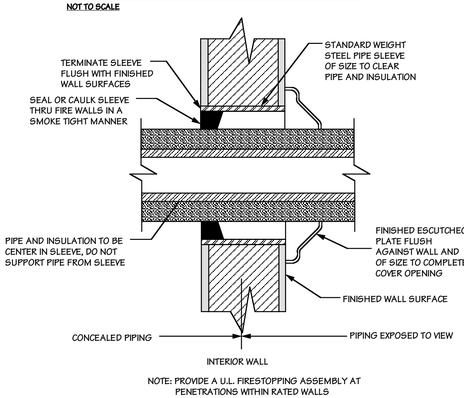
DETAIL OF PIPING & HEAD, REQUIRED SPACE TOLERANCE

NOT TO SCALE



DETAIL OF SPRINKLER HEAD IN COMPACTOR HOPPER

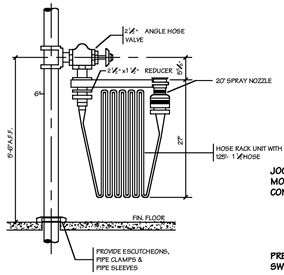
NOT TO SCALE



NOTE: PROVIDE A U.L. FIRESTOPPING ASSEMBLY AT PENETRATIONS WITHIN RATED WALLS

PIPE SLEEVE THRU WALL

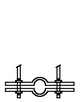
N.T.S.

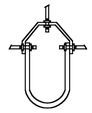


FIRE HOSE RACK

NO SCALE

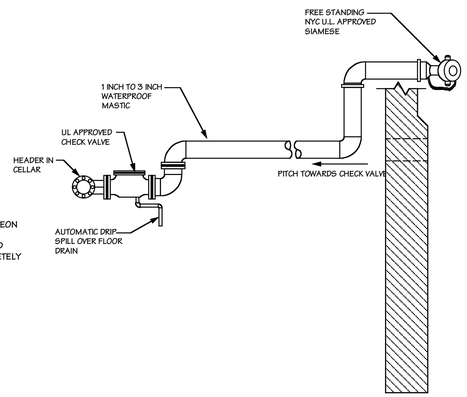
NOTE: FOR TYPICAL CELLAR FLOOR ONLY
PROVIDE 2½"HOSE VALVE WITH CAP & CHAIN ONLY AT ALL APT. FLOORS





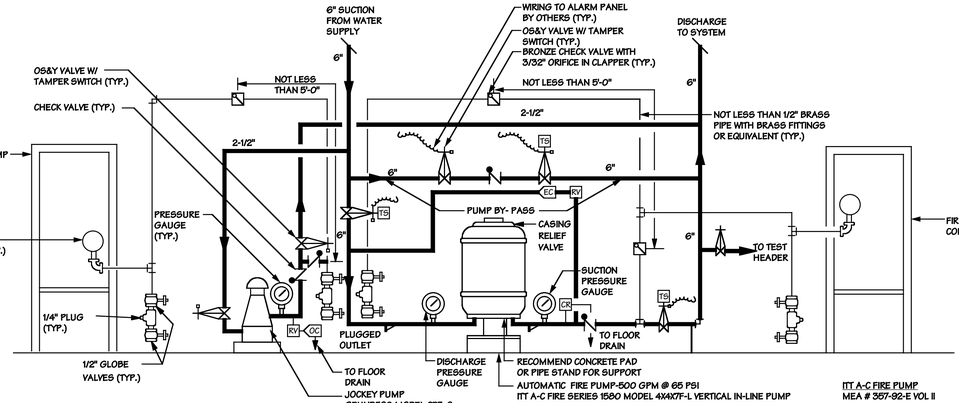
TYPES OF PIPE HANGERS
METHOD OF ACCEPTABLE PIPE SUPPORTS

NOT TO SCALE



FIRE DEPARTMENT CONNECTION DETAILS

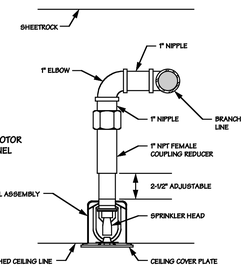
NOT TO SCALE



FIRE PUMP AND JOCKEY PUMP PIPING SCHEMATIC

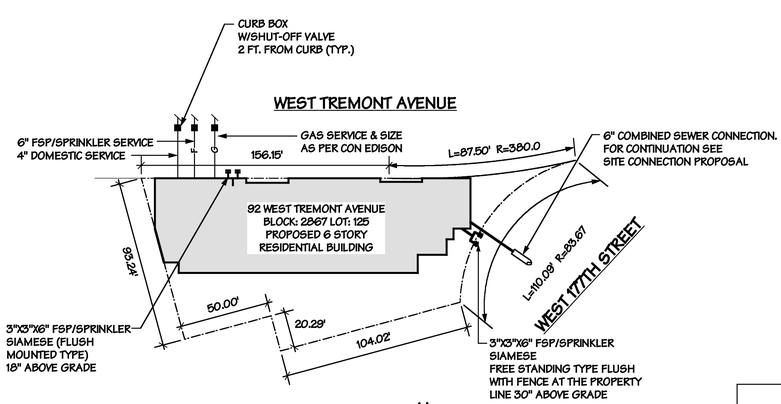
ITT A-C FIRE PUMP
MEA # 257-92-E VOL II

CUTLER-HAMMER FIRE PUMP CONTROLLER
MEA # 18-02-E



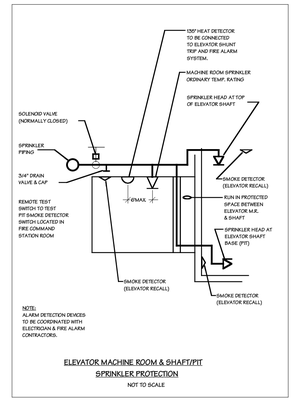
CONCEALED SPRINKLER HEAD BRANCH LINE CONNECTION

NOT TO SCALE



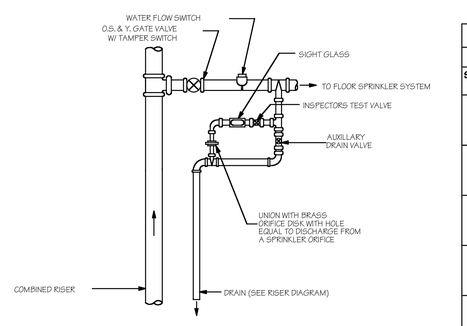
SITE PLAN

NTS



ELEVATOR MACHINE ROOM & SHAFT/PIT SPRINKLER PROTECTION

NOT TO SCALE



TYPICAL FLOOR CONTROL VALVE ASSEMBLY

NOT TO SCALE

SPRINKLER DESIGN CRITERIA

SPRINKLER HEAD TYPE										SPACING (MAXIMUM DISTANCE ARE INDICATED)	
SYMBOL	DESCRIPTION	HAZARD	AREA	COVERAGE	DENSITY	TEMP. RATING	K FACTOR	ORIFICE SIZE	MANUFACTURER	NYC APPROVAL BSA,MEA	BETWEEN HEADS	BETWEEN HEADS AND WALLS
●	CONCEALED PENDANT WET	LIGHT	FINISHED AREAS. & APARTMENTS	144 SQ.FT.	0.10 GPM	155°F	5.6	1/2"	VIKING MODEL VK462, WHITE COVER PLATE, QUICK RESPONSE	BSA#219-76-SA MEA#89-92-E	15 FEET	7.5 FEET
○	STANDARD PENDANT/ UPRIGHT WET	LIGHT	BASEMENT	144 SQ.FT.	0.10 GPM	155°F	5.6	1/2"	VIKING MODEL VK303, BRASS FINISH, QUICK RESPONSE	BSA#219-76-SA MEA#89-92-E	15 FEET	7.5 FEET
◉	STANDARD PENDANT WET	LIGHT	BOILER ROOM	144 SQ.FT.	0.10 GPM	286°F	5.6	1/2"	VIKING MODEL VK302, BRASS FINISH, QUICK RESPONSE	BSA#219-76-SA MEA#89-92-E	15 FEET	7.5 FEET
▷	SIDEWALL WET	LIGHT	SKYLIGHT	12' WIDE X 12' THROW	0.10 GPM	175°F	5.6	1/2"	VIKING MODEL VK305, BRASS FINISH, QUICK RESPONSE	BSA#219-76-SA MEA#89-92-E	12 FEET	6 FEET
▶	SIDEWALL WET	LIGHT	STAIRS	12' WIDE X 12' THROW	0.10 GPM	175°F	5.6	1/2"	VIKING MODEL VK305, BRASS FINISH, QUICK RESPONSE	BSA#219-76-SA MEA#89-92-E	12 FEET	6 FEET

SPRINKLER HEAD SPACING AND COVERAGE AS PER MANUFACTURES SPECIFICATIONS AND ACCEPTED AS PER SECTION 6.7.1.3.2 NFPA 13R-2002 EDITION AND AS PER NFPA 13 2002 EDITION; TABLE 8.6.2.2.1(A) PROTECTION AREAS AND MAXIMUM SPACING (STANDARD SPRAY UPRIGHT/STANDARD SPRAY PENDENT) FOR LIGHT HAZARD PIPE SCHEDULE.
MINIMUM REQUIREMENT TO SPRINKLER HEAD AS FOLOWS:
PRESSURE 7.0 PSI
FLOW: 13.8 GPM

FSP/SPRINKLER LEGEND	
SP	SPRINKLER PIPING
◉	SPRINKLER HEAD- HIGH TEMPERATURE - 225°F
●	SPRINKLER HEAD- CONCEALED TYPE
○	SPRINKLER HEAD- PENDANT TYPE
◀	SPRINKLER HEAD- SIDEWALL TYPE
	FLUSH TYPE FSP/SPRINKLER SIAMESE
	OS&Y VALVE
	CHECK VALVE W/ 3/4" AUTO. BALL DRIP
	CHECK VALVE
SPKLR	SPRINKLER
	WATER FLOW SWITCH
D	ELECTRIC ALARM GONG (BY ELEC. CONTR.)
FSP	FIRE STANDPIPE
◀(E)	SPRINKLER HEAD - EXTENDED COVERAGE TYPE
F	COMBINED FIRE/SPRINKLER PIPING
FACP	FIRE ALARM CONTROL PANEL

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PROMESA

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92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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CIVIL ENGINEERING CONSULTANT:

NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

SEAL & SIGNATURE:

DRAWING TITLE:

DETAILS & SCHEDULES

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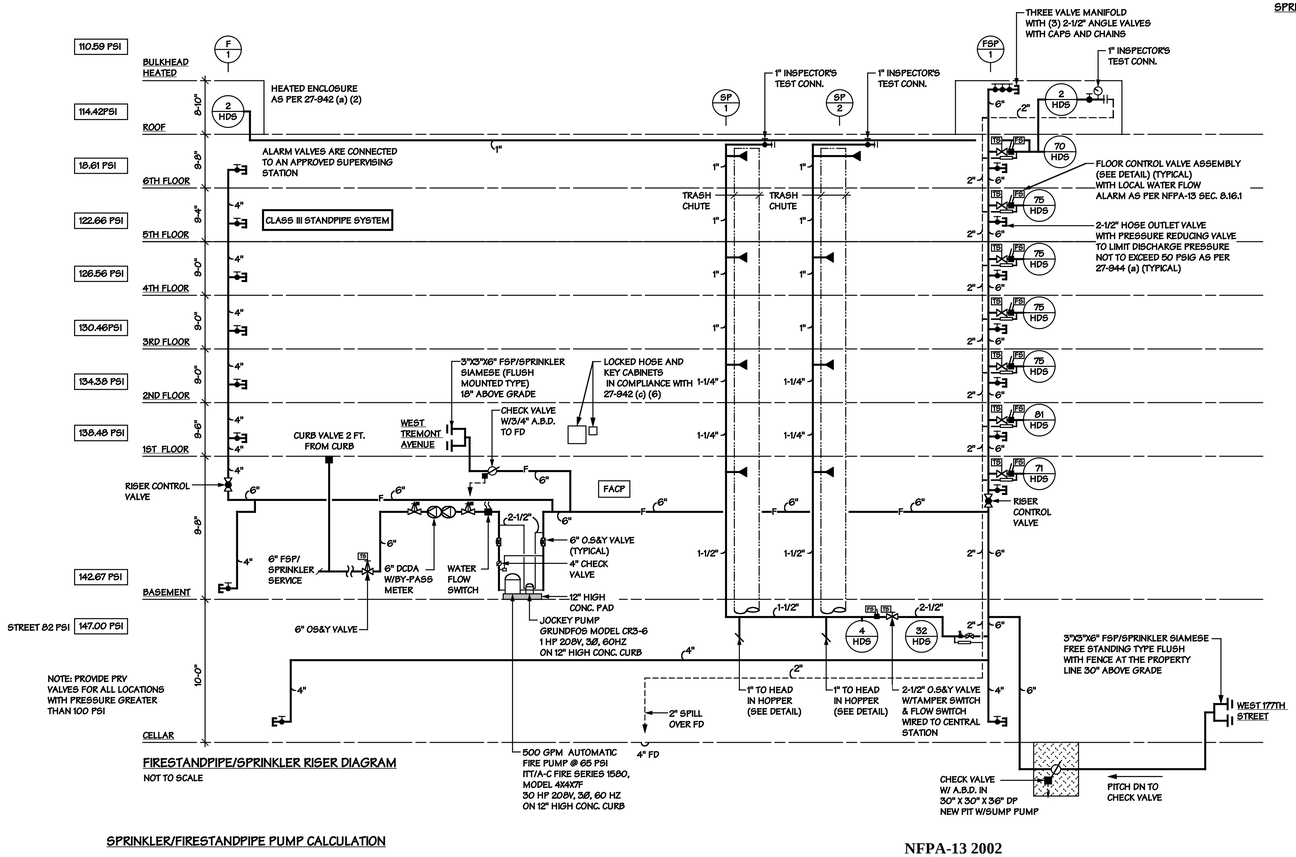
DATE: 03/12/2012

JOB #: 09J06

DRAWN BY: YL/PJ

SCALE: AS NOTED

DRAWING #: SP-007.00



FIRESTANDPIPE/SPRINKLER RISER DIAGRAM

NOT TO SCALE

SPRINKLER/FIRESTANDPIPE PUMP CALCULATION

HEIGHT TO HIGHEST SPRINKLER HEAD	84'-0"
HEIGHT TO ROOF MANIFOLD	79'-6"
	X .4335 PSI
	34.46 PSI
RESIDUAL AVAILABLE =	82 PSI
AVAILABLE AT MANIFOLD = 82 PSI - 34.46 PSI =	47.54 PSI
REQUIRED AT ROOF (AS PER 2008 CODE)	65 PSI
* NOT ACCEPTABLE AS PER BC-905 MUST PROVIDE AUTOMATIC FIRE PUMP	
HYDRANT FLOW TEST 9/18/2012	84 PSI STATIC
	82 PSI RESIDUAL

Table 11.2.3.1.1 Hose Stream Demand and Water Supply Duration Requirements for Hydraulically Calculated Systems

Occupancy	Inside Hose (gpm)	Total Combined Inside and Outside Hose (gpm)	Duration (minutes)
Light hazard	0, 50, or 100	100	30
Ordinary hazard	0, 50, or 100	250	60–90
Extra hazard	0, 50, or 100	500	90–120

For SI units, 1 gpm = 3.785 L/min.

11.2.3.1.2 The minimum water supply shall be available for the minimum duration specified in Table 11.2.3.1.1.

NFPA-13 2002
Table 14.5.2.2.1 Light Hazard Pipe Schedules

Steel	Copper
1 in. 2 sprinklers	1 in. 2 sprinklers
1¼ in. 3 sprinklers	1¼ in. 3 sprinklers
1½ in. 5 sprinklers	1½ in. 5 sprinklers
2 in. 10 sprinklers	2 in. 12 sprinklers
2½ in. 30 sprinklers	2½ in. 40 sprinklers
3 in. 60 sprinklers	3 in. 65 sprinklers
3½ in. 100 sprinklers	3½ in. 115 sprinklers
4 in. See Section 8.2	4 in. See Section 8.2

ALL SPRINKLER PIPING SHALL BE STEEL SCHEDULE 40

FIRE RATED PARTITION PENETRATION NOTES;

1. ALL PACKING AND FIRE STOPPING MATERIALS TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. ALL ESCUTCHEONS ON PIPING PENTRATING FIRE RATED PARTITIONS AND SLEEVES IS BY FIRE PROTECTION CONTRACTOR

NOTE: ALL SPRINKLER HEADS TO BE RAPID RESPONSE TYPE

NFPA-13 2002
8.2 System Protection Area Limitations.
8.2.1 The maximum floor area on any one floor to be protected by sprinklers supplied by any one sprinkler system riser or combined system riser shall be as follows:

(1) Light hazard — 52,000 ft2 (4831 m2)
(2) Ordinary hazard — 52,000 ft2 (4831 m2)
(3) Extra hazard
(a) Pipe schedule — 25,000 ft2 (2323 m2)
(b) Hydraulically calculated — 40,000 ft2 (3716 m2)
(4) Storage — High-piled storage (as defined in 3.3.12) and storage covered by other NFPA standards — 40,000 ft2 (3716 m2)

Table 8.6.2.2.1(a) Protection Areas and Maximum Spacing (Standard Spray Upright/Standard Spray Pendent) for Light Hazard

Construction Type	System Type	Protection Area ft2	Protection Area m2	Spacing (maximum) ft	Spacing (maximum) m
Noncombustible obstructed and unobstructed and combustible unobstructed with members 3 ft or more on center	Pipe schedule	200	18.6	15	4.6
Noncombustible obstructed and unobstructed and combustible unobstructed with members 3 ft or more on center	Hydraulically calculated	225	20.9	15	4.6
Combustible obstructed with members 3 ft or more on center	All	168	15.6	15	4.6
Combustible obstructed or unobstructed with members less than 3 ft on center	All	130	12.1	15	4.6
Unoccupied attics having combustible wood joist or wood truss construction with members less than 3 ft on center with slopes having a pitch of 4 in 12 or greater	All	120	11.1	8-* 15 (minimum 7 psi) 10*- 12 (minimum 20 psi)	2.4* - 4.6 (minimum 0.48 bar) 3* * 3.7 (minimum 1.34 bar)

*The smaller dimension shall be measured perpendicular to the slope.

SPRINKLER NOTES (COMPLIANCE WITH BC 903 AND NFPA-13 2002 AS AMENDED BY APPENDIX Q SECTION 102)

1. THE INSTALLATION, COMPONENTS, SIZING, SPACING, CLEARANCES, POSITION AND TYPE OF SYSTEMS SHALL CONFORM TO APPENDIX Q, SECTION BC 0102 AND SECTION BC 903.
2. ONLY APPROVED MATERIALS SHALL BE USED AS PER CHAPTER 6 OF APPENDIX Q, SECTION BC 0102.
3. DIRECT CONNECTION OF SPRINKLERS TO THE PUBLIC WATER SYSTEM SHALL CONFORM TO SECTION 0102.1 SEE 15.2.1 AND 15.1.1 (d).
4. SPRINKLER SHALL BE PROTECTED AGAINST FREEZING AND INJURY AS PER APPENDIX Q BC 0102, SEC8.15.3 AND 6.2.8.
5. INSPECTION AND TESTS OF SPRINKLERS SHALL BE CONDUCTED AS SEC. 901.5 AND APPENDIX Q BC 0102, CH. 16.
6. THE OCCUPANCY OF THE AREAS TO BE SPRINKLERED IN ACCORDANCE WITH SECTION 5.2 AND A.5.2 OF APPENDIX Q SECTION BC 0102.
7. WATER SUPPLY TEST PIPES AND GAUGES SHALL BE PROVIDED PER SECTION 8.1.6?.1 AND 8.16.4 OF APPENDIX Q, SECTION BC 0102.
8. PIPING, FITTINGS, SPECIFICATIONS, PIPE SCHEDULES, SYSTEM TEST PIPES, PROTECTION AGAINST CORROSION, DAMAGE, VALVES, HANGERS, SPRINKLER GUARDS AND SHIELDS SHALL BE AS PER APPENDIX Q SECTION BC 0102, CHAPTERS 6 AND 9.
9. STOCK OF EXTRA SPRINKLERS WILL BE FURNISHED AS PER SECTION 6.2.9 APPENDIX Q, SECTION BC 0102 (REQUIRED FOR EACH TEMPERATURE RATING).
10. SPRINKLER ALARM SHALL BE IN ACCORDANCE WITH SECTION 8.1.6.1 OF APPENDIX Q, SECTION BC 0102.
11. SPACING, LOCATION AND POSITION OF SPRINKLER WILL BE AS PER SECTION 9 OF APPENDIX Q, SECTION BC 0102.
12. ALL BLIND SPACES EXCEEDING 6" IN WIDTH OR DEPTH WHICH CONTAIN COMBUSTIBLE MATERIAL WILL BE SPRINKLERED.
13. ALL PIPE PASSING THROUGH WALLS WILL COMPLY WITH SECTION BC?12.
14. THERE IS NO HIGH PILED STORAGE AS DEFINED IN SECTION 3-3.12 OF APPENDIX Q, SECTION BC 0102.
15. DISTANCE OF SPRINKLERS FROM HEAT SOURCE SHALL BE IN AS PER TABLES 8.3.2.5 (a) AND 8.3.2.5 (b).
16. AS PER SECTION BC903.1.2 PROVIDE DEPARTMENT OF WATER SUPPLY WITH FLOW TEST DATE IF THERE IS A DIRECT CONNECTION TO THE STREET WATER SUPPLY.
17. ALL PIPES PASSING THROUGH FOUNDATION WALLS SHALL BE PROTECTED AS PROVIDED BY SECTION 305.5 OF THE PLUMBING CODE.
18. THIS APPLICATION IS NOT FILED AS A RESULT OF ACTION BY THE FIRE COMMISSIONER AS AUTHORIZED BY BS&A TO MODIFY THE CERTIFICATE OF OCCUPANCY NOR IS SUCH ACTION PENDING.
19. ALL VALVES SHAL BE IDENTIFIED AS REQUIRED BY SECTION 6.7.4 OF APPENDIX Q SECTION BC 0102.
20. DRAINAGE SHALL CONFORM TO SECTION 8.15.2 OF APPENDIX Q SECTION BC 0102.
21. A ONE PIECE REDUCING FITTING OF GOOD DESIGN SHOULD BE USED. WHEREVER A CHANGE IS MADE IN THE SIZE OF PIPE AS PER SECTION 6.4.6 OF APPENDIX Q, SECTION BC 0102.
22. ALL VALVES ON CONNECTIONS TO WATER SUPPLIES TO SPRINKLER SHALL BE APPROVED O.S.& Y. OR APPROVED INDICATOR TYPE.
23. DRAIN VALVES AND TEST VALVES SHALL BE APPROVED TYPE AS PER APPENDIX Q, SECTION BC 0102.
24. HANGERS SHOULD BE SUPPORTED BY WROUGHT IRON U TYPE OR APPROVED ADJUSTABLE HANGERS. HANGERS SHALL BE OF THE TYPE APPROVED FOR USE WITH THE PIPE OR TUBE INVOLVED, AS PER CHAPTER 9, OF APPENDIX Q, SECTION BC 0102.
25. PROVISIONS SHOULD BE MADE TO FACILITATE FLUSHING SYSTEM PIPING B Y PROVIDING FLUSHING CONNECTIONS CONSISTING OF A CAPPED NIPPLE 4" LONG ON END OF CROSS MAIN AS PER SECTION 6.14.16 OF APPENDIX Q, SECTION BC 0102.
26. SPRINKLER SHALL BE AN APPROVED TYPE AS PER SECTION 8.3 OF APPENDIX Q, SECTION BC 0102.
27. TEMPERATURE RATING SHALL COMPLY WITH SECTION 8.3.2 OF APPENDIX Q, SECTION BC 0102.
28. 18" MINIMUM CLEARANCE TO BELOW SPRINKLER DEFLECTOR AS PER SECTION 8.5.6, OF APPENDIX Q, SECTION BC 0102.
29. SPACING AND LOCATION OF SPRINKLERS SHALL COMPLY WITH CHAPTER 8 OF APPENDIX Q, SECTION BC 0102.
30. SPRINKLER SYSTEM COMPLIES WITH NFPA 13-2002 AS MODIFIED BY APPENDIX Q, SECTION BC 0102.
31. SOURCES OF WATER SUPPLY FOR SPRINKLER SYSTEMS AS PER CHAPTER 15 OF APPENDIX Q, SECTION BC 0102.
32. PIPE SCHEDULE SYSTEMS SHALL BE IN ACCORDANCE WITH SECTION 14.5 OF APPENDIX Q, SECTION BC 0102.
33. AUTOMATIC INTERLOCK CUTOFF SWITCH FOR VENTILATION WILL CONFORM TO CHAPTER 6 OF THE MECHANICAL CODE (APPLICABLE ONLY IF THERE IS AN AIR SYSTEM UTILIZING RECIRCULATED AIR AND REQUIRING A THERMOSTATIC DEVICE).
34. HYDRAULICALLY DESIGNED SYSTEMS WHALL BE IN ACCORDANCE WITH CHAPTER 14 OF APPENDIX Q, SECTION BDC 0102.
35. MINIMUM BRANCH PIPE SIZE TO BE ONE INCH (1").
36. THIS APPLICATION IS MADE ONLY FOR WORK INDICATED ON THE SPECIFICATION SHEET. ALL OTHER MATTERS SNHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

FIRE STANDPIPE NOTES

1. Siamese shall be 3" x 3" x 6" flush connection of free standing or approved type with separate clapper and chain as per NFPA 14 and BC 0105 4.8.2.
2. Siamese shall be located 18" to 36" above final grade and be provided metal "STANDPIPE" sign as per BC 0105 4.8.2 (g).
3. Siamese shall have approved type 3/4" automatic ball drip set in a horizontal position, BC 0105 4.8.2.
4. Hose shall be "flax-line" unlined linen hose coupled in 25 and 50 feet lengths, NFPA 14.
5. Hose valves shall be approved type 2-1/2" angle globe valve located not more than 6 feet and not less than 5 feet above floor or stair landing, NFPA 14 and BC 0105 4.7.2.
6. Hose racks shall be approved type NFPA 14.
7. Couplings and nozzles shall be approved type, NFPA 14.
8. Approved 3-way manifold will be located above roof. I f area is not heated a control valve and automatic ball drip in heated space below will be provided, BC 0105 7.2.2.2.
9. Pipe and fittings for Standpipe will be according to NFPA 14 All pipe and fittings as approved by Board of Standards and Appeals.
10. Supporte will comply with NFPA 14.
11. Teste shall comply with NFPA 14.
12. Frost protection to be provided as per BC 0105 6.1.2.3.1.
13. Riser location shall comply with BC 0105 6.2.2.
14. Install riser control valves as per NFPA 14 and BC 0105 6.2.1.
15. Combined house and fire tank if required, shall be installed at least 25'-0" above the highest hose outlet, BC 905.
16. Fire pump is required, shall be installed as per NFPA 14, BC 905.
17. Electrical equipment used in conjunction with the standpipe system shall comply with BC 905.
18. All devices used shall bear manufacturer's name and number of approval as per NFPA 14.
19. Control valves shall be indicated by signs and arrows; valves greater than 7'-0" above floor as per RS 17-1-1 (c) (3) and (7) will be made accessible by means of approved type locks, BC 905.
20. Valves shall be sealed open by means of heavy chain and approved type locks, BC 905.4.1.1.3.
21. An elevator shall be maintained at all times for Fire Department use BC 907.2.8.
22. All branch line to hose racks shall be in accordance with BC 905. 2-1/2" branch lines shall not exceed 4 feet.
23. The roof tank is filled by automatic pump at a rate of not less than 65 GPM, BC 0105 9.1.4 (4) (c).
24. Capacity of fire standpipe reserve shall be as per NFPA 14 Section 7.10.1.3.
25. Construction and supporte or roof tank shall be as per NFPA 22.
26. All piping inside roof tank including appurtenances shall be brase pipe, as per NFPA 22.
27. Emergency drain on roof tank shall be controlled by O.S.&Y. valve accessible located as per NFPA 22.
28. Emergency drain shall be installed in accordance with NFPA 22, BC 0105 9.1.4 (4) (d).
29. Roof tank shall be equippad with high and low water alarms, NFPA 22, BC 0105 9.1.4 (4) (i).
30. Pressure reducing valves shall comply with BC 0105 7.2.
31. Hose may be omitted from hose racks in occupancy group R-2 whenever a central locked hose cabinet is provided as per BC 905.3.1 Exception 1.1. The person responsible for the maintenance of the standpipe system shall maintain on the premises a key for unlocking the storage cabinet. The key shall be kept in a location where it is readily available to authorized persons, but not available to the general public. A sign shll be placed on the storage cabinet indicating the location of the key. An additional labelled key shall be kept in a locked receptacle near the storage cabinet openable by the fire department standard key. Such receptacle shall be marked "for Fire Department Use Only". A metal sign shall be placed in each stair enclosure on the main entrance floor starting clearly where the storage cabinet is located.
32. Pressure tank requirements as per NFPA 14, BC 0102 15.2.3.1 and 15.2.3.2.

CONTENTS OF FIRST FLOOR HOSE CABINET

1. 375 feet of 1-1/12" hose in maximum of 50 feet lengths.
2. Three (3) galvanized iron nozzles.
3. Two (2) 1-1/2" spanner wrenches.
4. Two (2) 2-1/2" x 1-1/2" non-swivel reducing couplings.
5. Two (2) 2-1/2" spanner wrenches per BC 905.

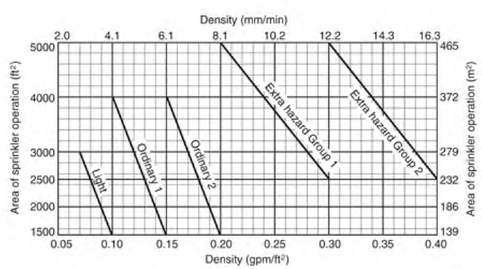


FIGURE 11.2.3.1.5 Density/Area Curves.

Density Curves As Per NFPA-13 of 2002 Edition

Hydraulic Calculation Criteria
Occupancy: Light Hazard
Density: 0.1 Gpm/sq. Ft.

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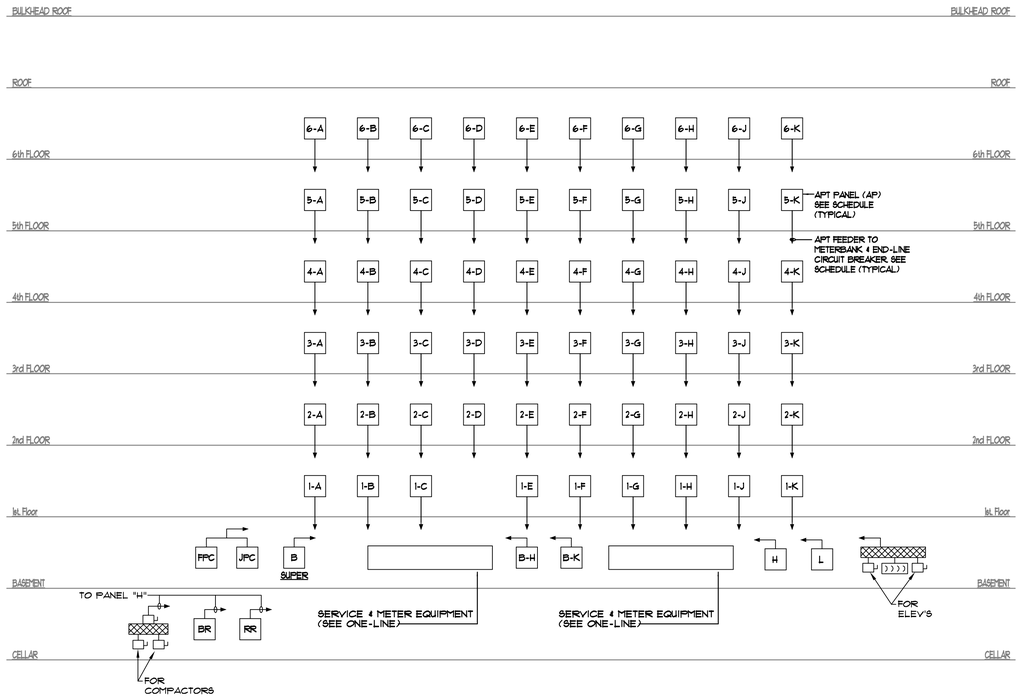


2 **POWER CONNECTION DIAGRAM**
NOT TO SCALE

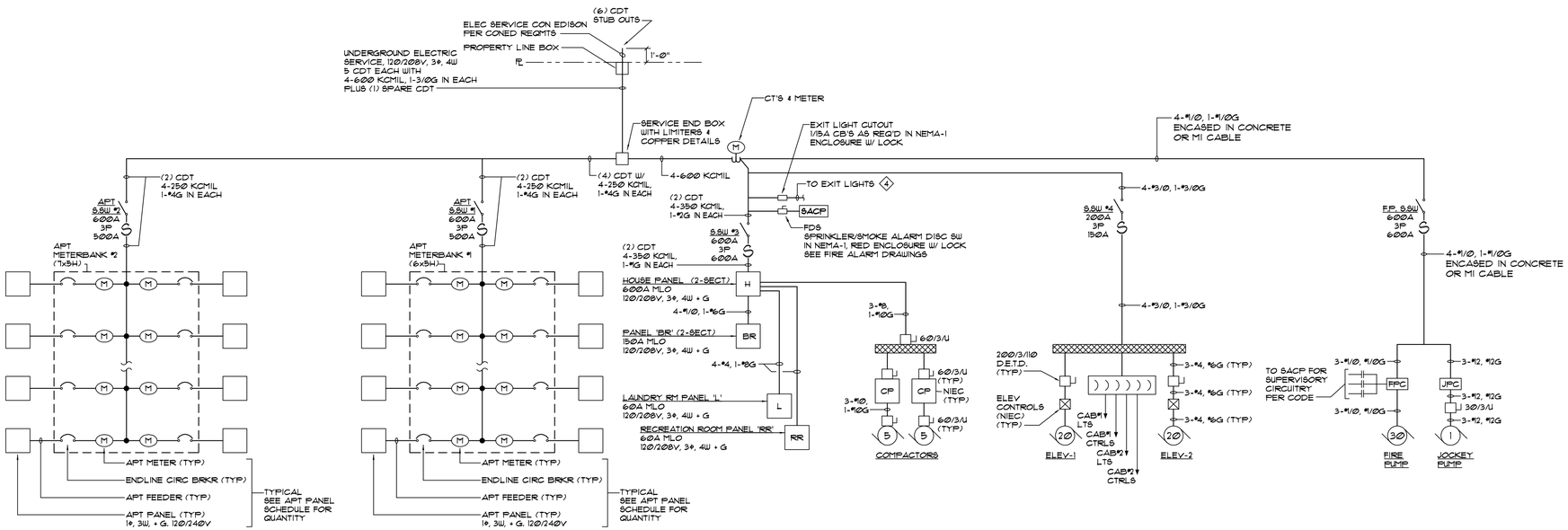
APARTMENT PANEL SCHEDULE

APT PANEL	No. OF B.R'S	AREA (SQ. FT.)	DEMAND LOAD WATTS	TOTAL LOAD AMPS	END LINE CB	FEEDER "THHN"
B SUPER	2	833	9425	45	60	3-6, 1ØG
1-6A	1	615	7171	35	45	3-8, 1ØG
1-6B	1	603	7158	34	45	3-8, 1ØG
1-6C	1	615	7171	34	45	3-8, 1ØG
2-6D	1	604	7158	34	45	3-8, 1ØG
1-6E	1	615	7171	34	45	NOTE-1
1-6F	1	603	7158	34	45	NOTE-1
1-6G	1	615	7171	34	45	NOTE-2
B-6H	1	603	7158	34	45	NOTE-3
1-6J	1	604	7158	34	45	NOTE-3
1-6K	1	612	7483	36	45	3-4, 6G

NOTES:
1. 3-8, 1ØG + 3FL, 3-6, 8G + 4-6FL
2. 3-8, 1ØG + 1-2FL, 3-6, 8G + 3-6FL
3. 3-6, 8G + B-2FL, 3-4, 6G + 3-6FL

ELECTRIC LEGEND

SYMBOL	DESCRIPTION		
A ○ 3 b	INCAN. COMPACT FLUOR, LED OR HID LTG FIXTURE	CAP LETTER DENOTES TYPE, LOWER CASE LETTER DENOTES SWITCH CONTROL. NUMBER IS CIRCUIT NO.	
▭	FLUORESCENT LIGHTING FIXTURE		
▭	FLUORESCENT FIXTURE W/ EMERGENCY BALLAST		
⊗	EXIT LIGHT, LED, EMERG BATT SHADED AREA INDICATES FACE VIEWED	WITH FACES & ARROWS AS REQ'D W/ (2) (3) INTEGRAL HEADS.	
EE	EMERGENCY BATTERY UNIT WITH DUAL INTEGRAL HEADS.	3V12 = TRIPLE HEADS	
S	SINGLE POLE SWITCH, 15A, 120VAC, SPEC GRADE, LEVITON #5301-2	LOWER CASE LETTER DENOTES OUTLET CONTROLLED.	
S3	THREE WAY SWITCH, 15A, 120VAC, SPEC GRADE, LEVITON #5303-2		
D	DUPLEX RECEPTACLE, SPEC GRADE, NEMA 5-15R, 15A, 125VAC, LEVITON #5252, D = DOUBLE DUPLEX		
	GFI DPLX. RECEPT, SPEC GRADE, NEMA 5-15R, 15A, 125VAC, LEVITON #6599, D = DOUBLE DUPLEX		
	GFI ON APPLIANCE CIRCUIT, D = DOUBLE DUPLEX		
	DUPLEX RECEPTACLE, SPEC GRADE, NEMA 5-20R, 20A, 125VAC, LEVITON #5352, CONNECT TO DEDICATED CIRCUIT FOR A/C UNIT		
	SINGLE RECEPTACLE SPEC GRADE, NEMA 5-15R, 15A, 125VAC, LEVITON #5015, R = RANGE IGNITION, F = NEMA 5-20R CONNECTED TO APPLIANCE CIRCUIT FOR REFRIGERATOR, V = FOR HRV UNIT		
S D	COMBINATION SWITCH AND RECEPTACLE		
	DUPLEX RECEPT, SPEC GRADE NEMA 5-20R, 20A, 125VAC, LEVITON #6599, CONNECT TO APPLIANCE CIRCUIT, D=DOUBLE DUPLEX		
	DUPLEX RECEPTACLE, SPEC GRADE, NEMA 5-15R, 125VAC, 1/2 SWITCHED		
D	DOUBLE DUPLEX RECEPTACLE IN COMMON OUTLET BOX, NEMA 5-20R DEDICATED FOR A/C UNIT & NEMA 5-15R CONVENIENCE RECEPTACLE		
	BOLT-ON C.B. PANELBOARD, RECESSED		
	BOLT-ON C.B. PANELBOARD, SURFACE AP = APT PLUG-IN CB LOAD CENTER, RECESSED		
S T	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD ELEMENT, NEMA 4 ENCLOSURE FOR OUTDOOR EQUIPMENT		
J	DISCONNECT SWITCH, GEN DUTY, RATING AND POLES AS SHOWN OR REQUIRED, FUSED AS REQUIRED, NEMA 4 ENCLOSURE FOR OUTDOOR INSTALLATION		
J	MAGNETIC STARTER OR CONTACTOR, RATING/POLES AS SHOWN OR REQUIRED		
1	MOTOR, NUMERAL INDICATES HORSEPOWER		
H J	JUNCTION BOX FOR RANGE HOOD		
F	SINGLE SPEC GRADE RECEPTACLE FOR REFRIGERATOR		
S H C	SMOKE / HEAT / CO DETECTOR		
SC	COMBINATION CO & SMOKE SINGLE/MULTIPLE STATION DETECTOR HARD WIRED WITH INTEGRAL SOUNDER		
	APARTMENT INTERCOM STATION		
	DUAL TELEPHONE OUTLET IN SINGLE GANG BOX, W = WALL MOUNTED		
T	TRANSFORMER		
ZCV Ø	ZONE CONTROL VALVE, SEE MECH DWGS		
FB	PULLBOX FOR TELE/CATV SYSTEMS		
TV	OUTLET - CATV		
	MASTER INTERCOM PANEL		
M	OCCUPANCY SENSOR (MXI) = OCCUPANCY SENSOR/SWITCH		
E.C.	ELECTRICAL SUB-CONTRACTOR	T/F	TRANSFORMER
N.I.E.C.	NOT IN ELECTRICAL WORK	ACT	ACTIVE
V.I.F.	VERIFY IN FIELD	SP	SPARE
PB	PULLBOX	OC	OVER COUNTER
◇	ITEM OF WORK NOTE REFERENCE	SN	SOLID NEUTRAL
CB	CIRCUIT BREAKER	UON	UNLESS OTHERWISE NOTED
		G	GROUND



METERBANK #2
APTS: F, G, H, J, K

METERBANK #1
APTS: A, B, C, D, E, SUPT

1 **ONE-LINE DIAGRAM**
NOT TO SCALE

NOTES:
1. PROVIDE CU FEEDERS & BRANCH CIRCUITRY IN CONDUIT PER NEC, NYC AMENDMENTS
2. PROVIDE SERVICE SWITCH OF "FULLY RATED", HEAVY DUTY TYPE

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LEGEND, DIAGRAMS AND SCHEDULES

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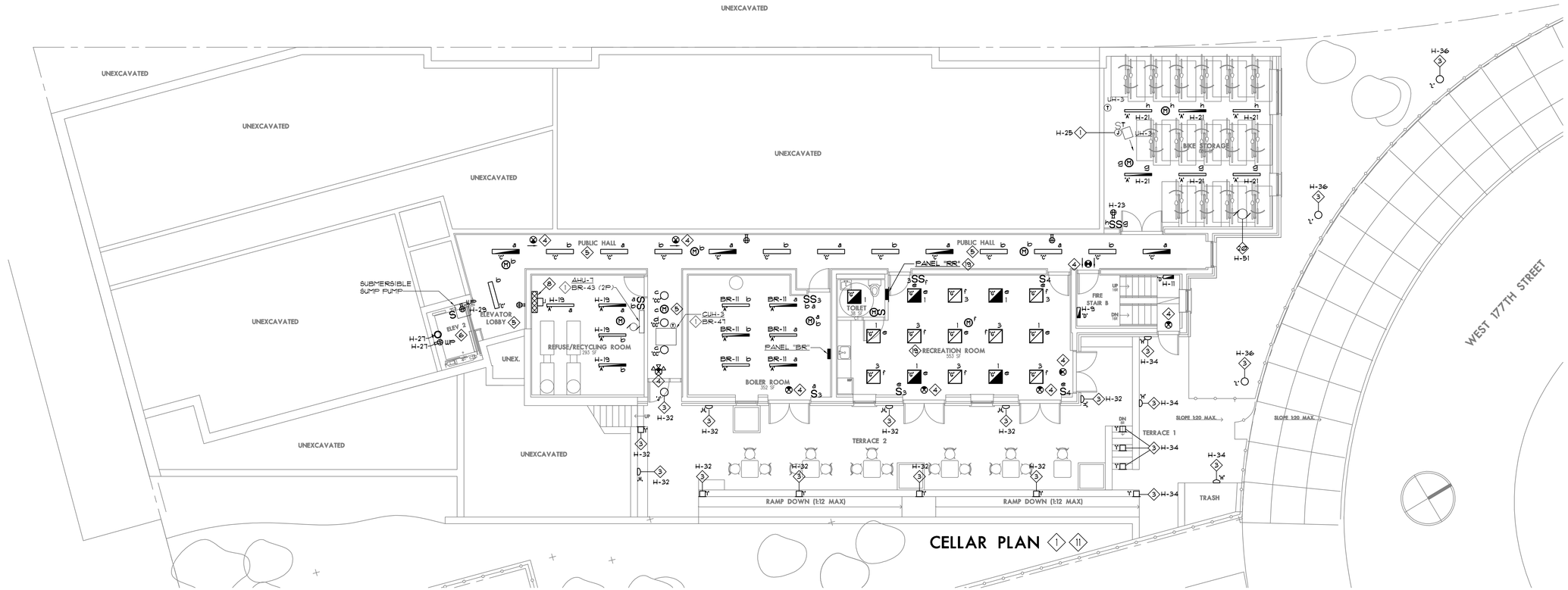
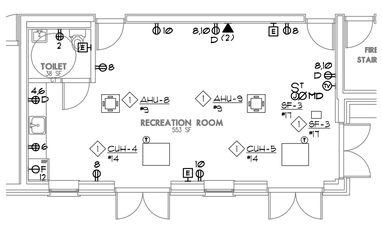
1 OF 12

ITEM OF WORK NOTES

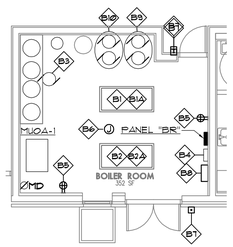
1. SEE MECHANICAL EQUIPMENT SCHEDULE, SEE DWG E-201.00
2. WITH MOTION SENSOR FOR "ON-OFF" OPERATION.
3. CONNECT TO PHOTOCELL AND TO TIME CLOCK/RELAY IN ELEC RM FOR EXTERIOR LIGHTS. SEE DETAIL
4. CONNECT EXIT LIGHTS TOGETHER AND TO EXIT LIGHT PANEL WITH 2-#8, #6G THHN. PROVIDE (2) EXIT LIGHT CIRCUITS PER FLOOR, TOTAL 10 ACTIVE, 2-SPARE.
5. FOR PUBLIC HALL, ELEV LOBBY & LOBBY LIGHTING & RECEPTACLE CIRCUITRY SEE PUBLIC HALL LIGHTING & RECEPTACLE CONNECTION DIAGRAM DWG. E-204.00
6. LT & GFI LOCATED IN PIT, SWITCH LOCATED 3'-6" ABOVE CELLAR FLOOR AT LADDER
7. FOR SUBMERSIBLE SUMP PUMP IN PIT
8. FOR COMPACTOR, LOCATE IN CLOSE PROXIMITY TO CONTROL PANEL. SEE PANEL "H" SCHEDULE
9. TRIPLEX DOMESTIC WATER BOOSTER PUMPS. SEE DETAIL
10. FOR AUTO FIRE PUMP & JOCKEY PUMP. SEE ONE-LINE DIAGRAM
11. FOR FIRE ALARM SYSTEM REQUIREMENTS SEE FIRE ALARM DRAWINGS.
12. CONNECT TO ST & TIME CLOCK & RELAY IN BOILER RM. SEE DETAIL
13. CONNECT TO ST & TIMECLOCK FOR GEF-1 AT TRASH RM IN BASEMENT
14. FOR ELEVATOR, SEE ONE-LINE DIAGRAM
15. ST, T/C & RELAY FOR BEF & KEF ROOF FANS. SEE DETAIL
16. ST T/C FOR GEF-1, ROOF FAN.
17. SEE MECH FLOOR PLANS FOR EXACT TYPE DESIGNATION
18. CIRCUIT No. FOR DEDICATED A/C UNIT ONLY. PROVIDE SECOND CIRCUIT FOR CONVENIENCE RECEPT.
19. CONNECT CIRCUITS IN RECREATION ROOM TO PANEL "RR" U.O.N.
20. FOR SUBMERSIBLE SUMP PUMP IN SPRINKLER CHECK VALVE PIT, CELLAR
21. IN WEATHERPROOF ENCLOSURE COVER "WHILE IN USE" WITH LOCK.



CELLAR PLAN (1) (11)



PART PLAN - RECREATION RM



PART PLAN - BOILER RM

BOILER ROOM NOTES

- B1 FOR BOILER #1, CONNECT TO CONTROL PANEL AS REQUIRED, BR-#1.
- B1A FOR BOILER #1 PUMP, BR-#3.
- B2 FOR BOILER #2, CONNECT TO CONTROL PANEL AS REQUIRED, BR-#5.
- B2A FOR BOILER #2 PUMP, BR-#7.
- B3 H.W. RECIRC. PUMP, BR-#9.
- B4 BOILER CONTROL PANEL, BR-#2, PUMP SEQUENCER PANEL, BR-#4.
- B5 4'-6" AFF, BR-#6.
- B6 ELECTRONIC VALVE, BR-#8
- B7 EMERGENCY DISCONNECT, CONNECT INTO BOILER CONTROLS, AS REQUIRED, FOR EMERGENCY SHUTDOWN.
- B8 TIME CLOCK AND RELAY FOR ROOF FANS, BR-#10
- B9 H.W. HEATING PUMPS P1- & P-2 (1-STANDBY) SEE DETAIL, BR-#25 (3P), BR-31 (3P)
- B10 TUROMAX PUMPS, P-3 & P-4 (1-STANDBY) BR-37 & BR-39

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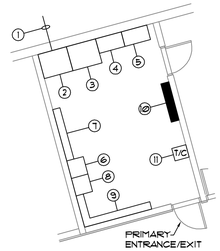

PART PLAN - ELECTRIC METER RM

ELECTRIC SERVICE LEGEND

1. ELECTRIC UNDERGROUND SERVICE
2. SERVICE END BOX
3. SERVICE SWITCH #1
4. C.T. CABINET, HOUSE METER, FDS & EXIT LIGHT CUTOUT
5. SERVICE SWITCHES #2 & #3
6. APT SWITCH 'A'
7. METERBANK #1
8. APT SWITCH 'B'
9. METERBANK #2
10. HOUSE PANEL 'H'
11. TIMECLOCK

ITEM OF WORK NOTES

1. SEE MECHANICAL EQUIPMENT SCHEDULE, SEE DWG E-201.00
2. WITH MOTION SENSOR FOR "ON-OFF" OPERATION.
3. CONNECT TO PHOTOCELL AND TO TIME CLOCK/RELAY IN ELEC RM FOR EXTERIOR LIGHTS. SEE DETAIL
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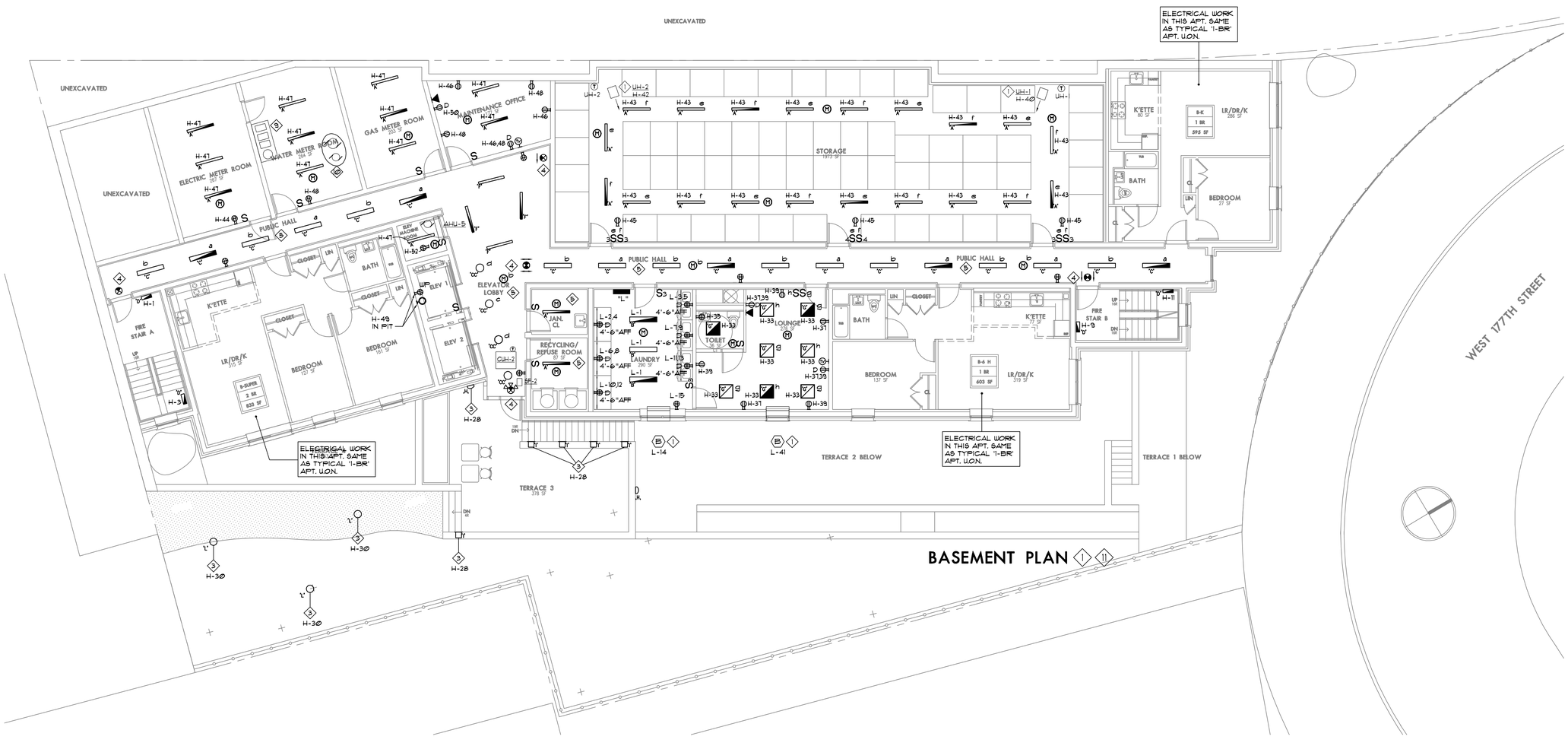
21. IN WEATHERPROOF ENCLOSURE COVER "WHILE IN USE" WITH LOCK.



BASEMENT PLAN (1) (11)

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET \ NEW YORK, NY 10001
TEL: 212.643.1500 \ FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST \ NEW YORK, NY 10001
TEL: 212.736.2584 \ FAX: 212.736.2520

NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:
BASEMENT PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: 1/8" = 1'-0"

DRAWING #:
E-102.00

ITEM OF WORK NOTES

1. SEE MECHANICAL EQUIPMENT SCHEDULE, SEE DWG E-201.00
2. WITH MOTION SENSOR FOR "ON-OFF" OPERATION.
3. CONNECT TO PHOTOCELL AND TO TIME CLOCK/RELAY IN ELEC RM FOR EXTERIOR LIGHTS. SEE DETAIL
4. CONNECT EXIT LIGHTS TOGETHER AND TO EXIT LIGHT PANEL WITH 2-#8, #6G THWN. PROVIDE (2) EXIT LIGHT CIRCUITS PER FLOOR, TOTAL 10 ACTIVE, 2-SPARE.
5. FOR PUBLIC HALL, ELEV LOBBY & LOBBY LIGHTING & RECEPTACLE CIRCUITRY SEE PUBLIC HALL LIGHTING & RECEPTACLE CONNECTION DIAGRAM DWG. E-204.00
6. LT & GFI LOCATED IN PIT, SWITCH LOCATED 3'-6" ABOVE CELLAR FLOOR AT LADDER
7. FOR SUBMERSIBLE SUMP PUMP IN PIT
8. FOR COMPACTOR, LOCATE IN CLOSE PROXIMITY TO CONTROL PANEL. SEE PANEL "H" SCHEDULE
9. TRIPLEX DOMESTIC WATER BOOSTER PUMPS. SEE DETAIL
10. FOR AUTO FIRE PUMP & JOCKEY PUMP. SEE ONE-LINE DIAGRAM
11. FOR FIRE ALARM SYSTEM REQUIREMENTS SEE FIRE ALARM DRAWINGS.
12. CONNECT TO S^P_T & TIME CLOCK & RELAY IN BOILER RM. SEE DETAIL
13. CONNECT TO S^P_T & TIMECLOCK FOR GEF-1 AT TRASH RM IN BASEMENT
14. FOR ELEVATOR, SEE ONE-LINE DIAGRAM
15. S^P_T T/C & RELAY FOR BEF & KEF ROOF FANS. SEE DETAIL
16. S^P_T T/C FOR GEF-1, ROOF FAN.
17. SEE MECH FLOOR PLANS FOR EXACT TYPE DESIGNATION
18. CIRCUIT No. FOR DEDICATED A/C UNIT ONLY. PROVIDE SECOND CIRCUIT FOR CONVENIENCE RECEPT.
19. CONNECT CIRCUITS IN RECREATION ROOM TO PANEL "RR" U.O.N.
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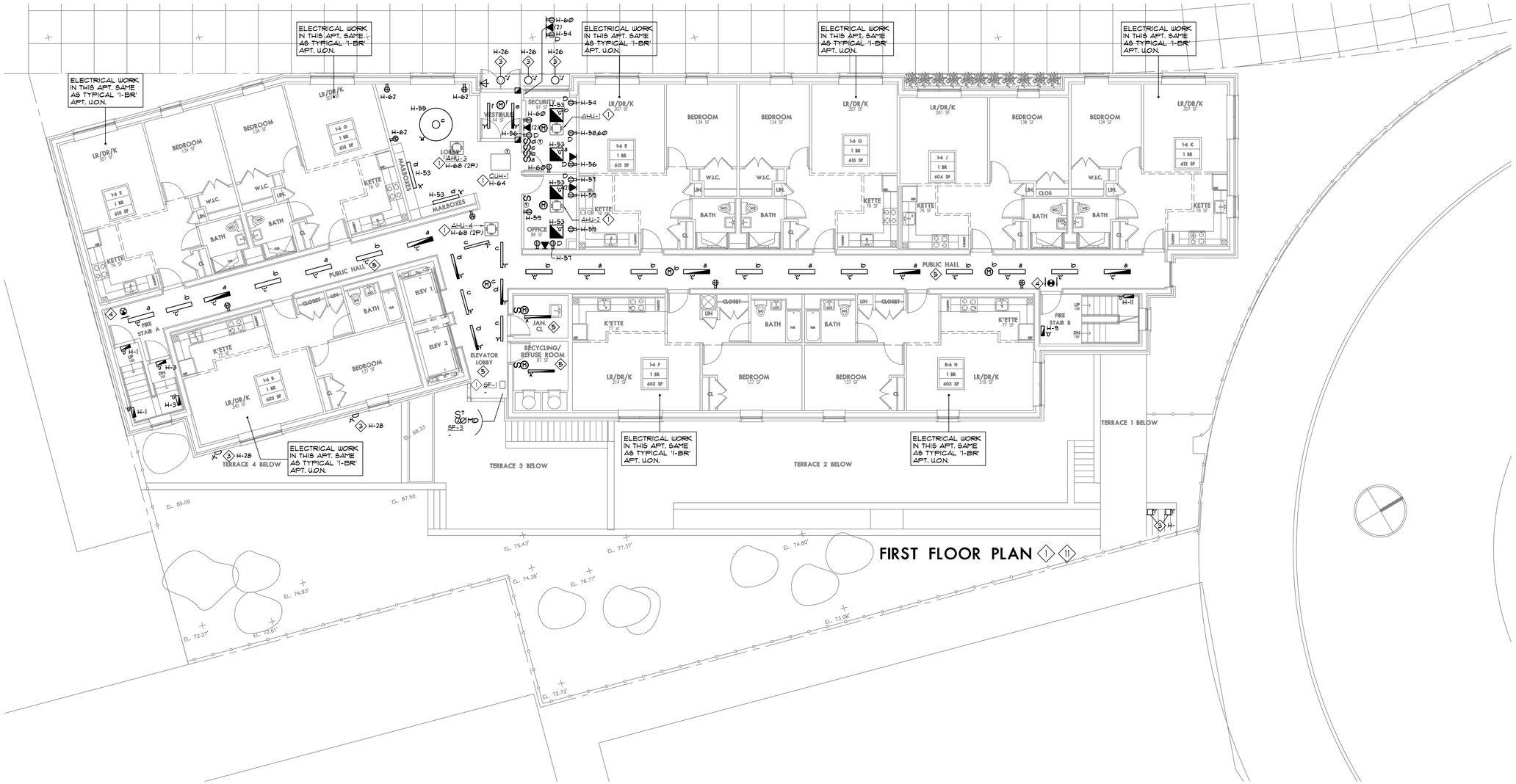

FIRST FLOOR PLAN 1 11

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NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:
FIRST FLOOR PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
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WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: 1/8" = 1'-0"

DRAWING #:
E-103.00

ITEM OF WORK NOTES

1. SEE MECHANICAL EQUIPMENT SCHEDULE, SEE DWG E-201.00
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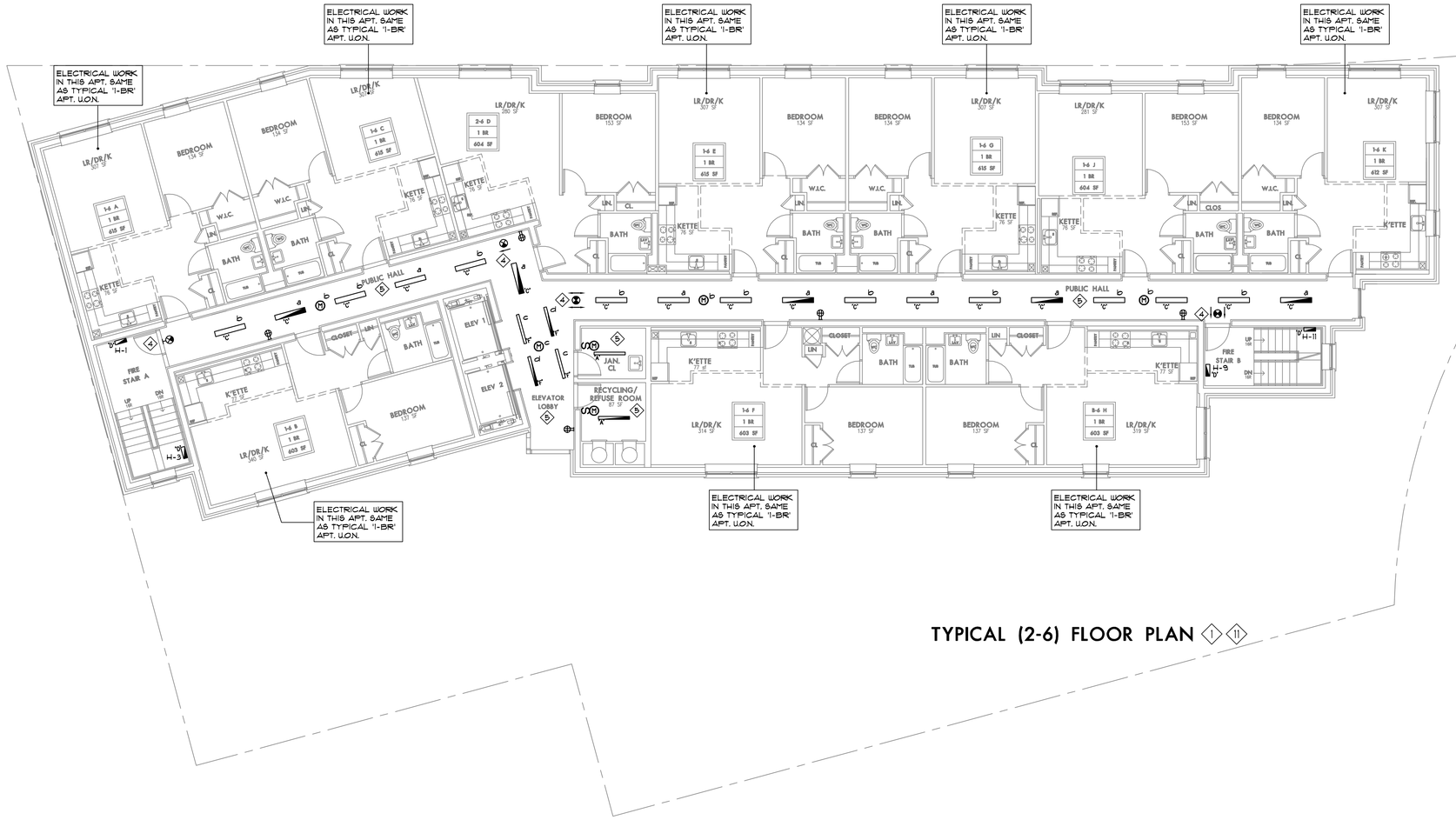

TYPICAL (2-6) FLOOR PLAN 1 11

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

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TEL: 212.736.2584 \ FAX: 212.736.2520

NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:
TYPICAL FLOOR PLAN (2-6)

ARCHITECT:
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203 LAFAYETTE STREET 5TH FL
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t 212 675 6470 f 212 675 6728

DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: 1/8" = 1'-0"
DRAWING #: E-104.00

ITEM OF WORK NOTES

1. SEE MECHANICAL EQUIPMENT SCHEDULE, SEE DWG E-201.00
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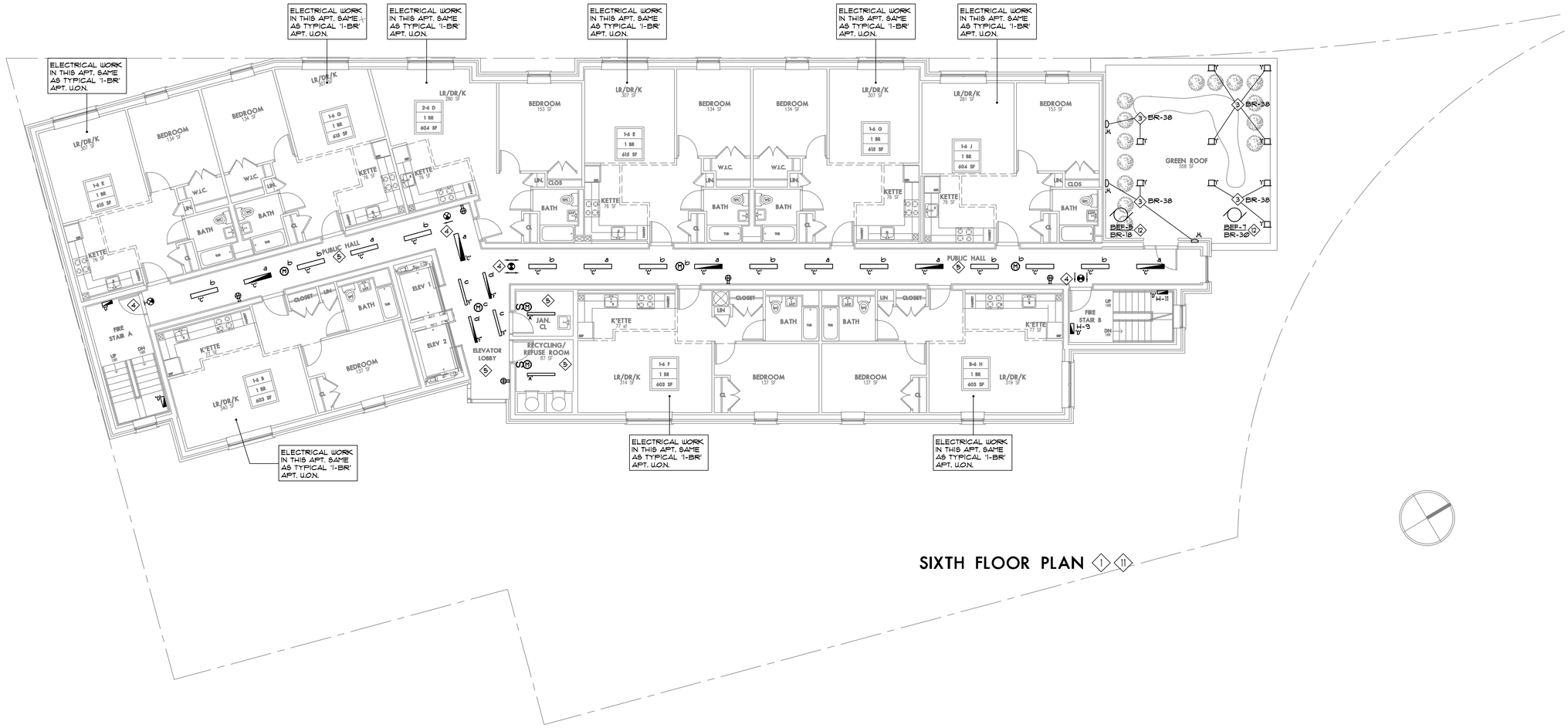

SIXTH FLOOR PLAN 1 11

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MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST \ NEW YORK, NY 10001
TEL: 212.736.2584 \ FAX: 212.736.2520

NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:
SIXTH FLOOR PLAN

ARCHITECT:
OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW OCVARCH COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t212 675 6470 f212 675 6728

DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: 1/8" = 1'-0"

DRAWING #:
E-105.00

ITEM OF WORK NOTES

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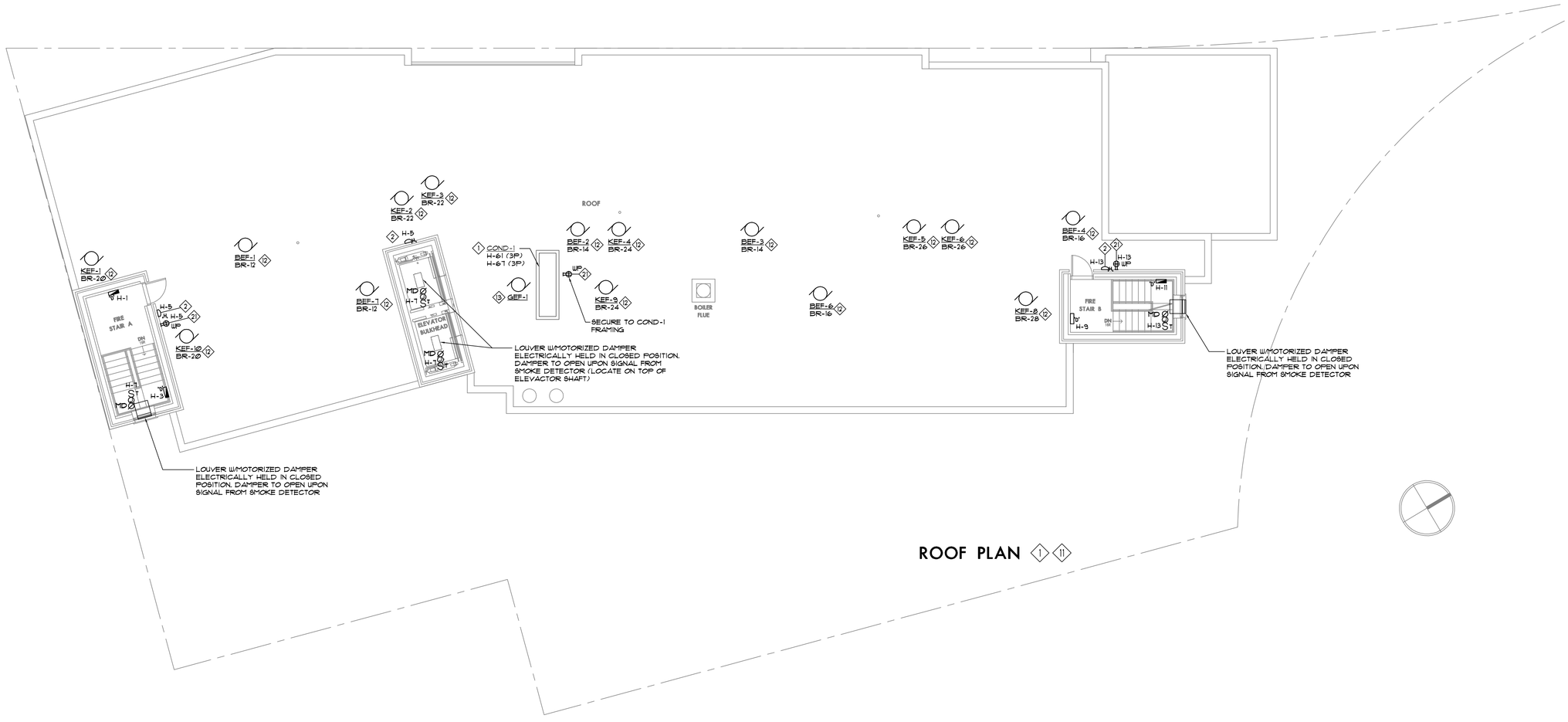

ROOF PLAN 1 11

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PROMESA

PROJECT TITLE:

PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:

WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET \ NEW YORK, NY 10001
TEL: 212.643.1500 \ FAX: 212.268.8960

MEP CONSULTANT:

ABRAHAM JOSELOW, PE, PC
45 W 34TH ST \ NEW YORK, NY 10001
TEL: 212.736.2584 \ FAX: 212.736.2520

NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:

ROOF PLAN

ARCHITECT:

OCV
OAKLANDER COOGAN & VITTO PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
t 212 675 6470 f 212 675 6728

DATE: 03/12/2012

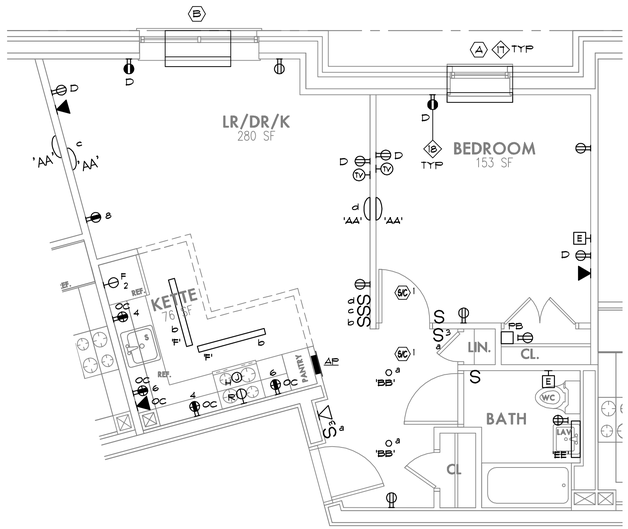
JOB #: 09J06

DRAWN BY: jc/aj

SCALE: 1/8" = 1'-0"

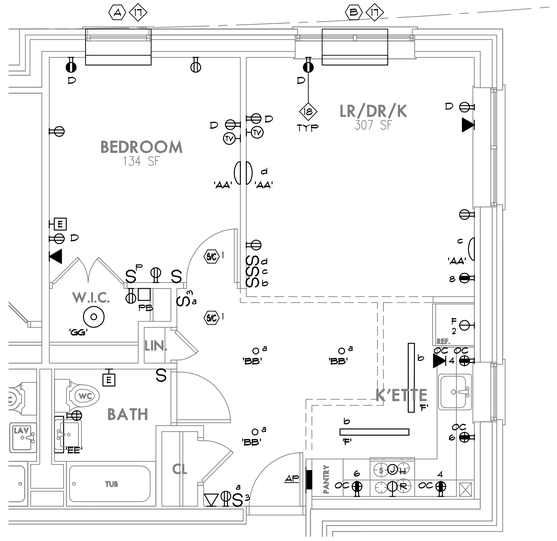
DRAWING #:

E-106.00



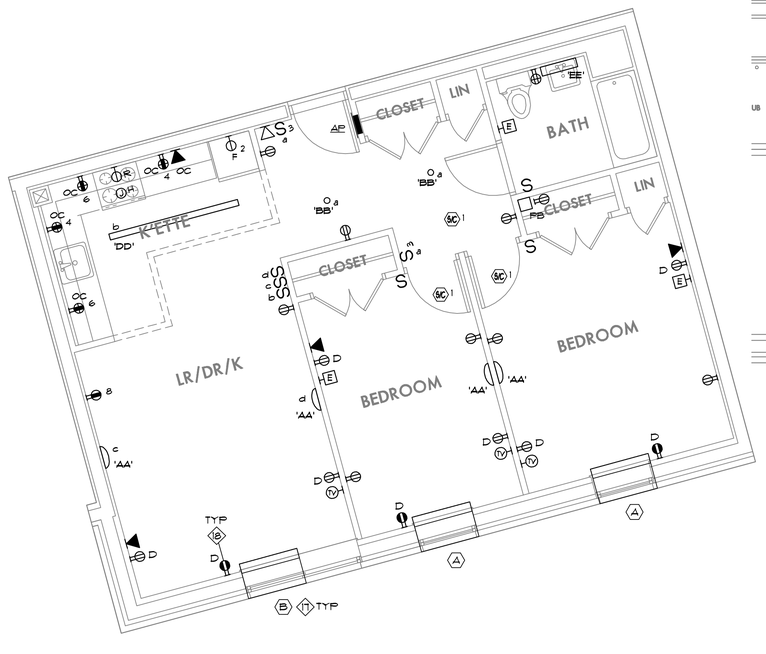
3 TYPICAL 1 BEDROOM (APT-D)

SCALE: 1/4" = 1'-0"



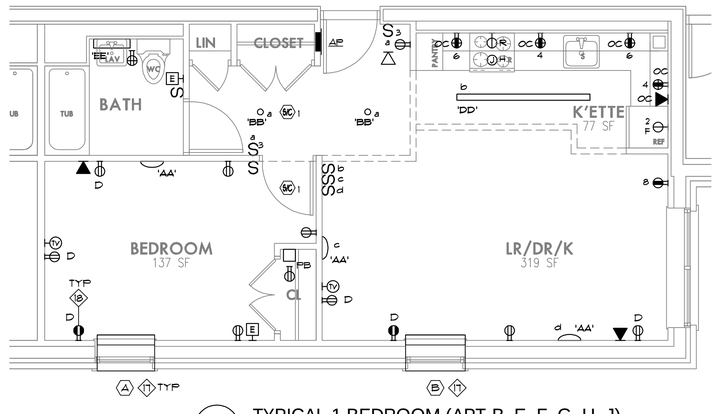
2 TYPICAL 1 BEDROOM (APT-K, A, C)

SCALE: 1/4" = 1'-0"



4 SUPER'S 2 BEDROOM APT

SCALE: 1/4" = 1'-0"



1 TYPICAL 1 BEDROOM (APT-B, E, F, G, H, J)

SCALE: 1/4" = 1'-0"

ITEM OF WORK NOTES

1. SEE MECHANICAL EQUIPMENT SCHEDULE, SEE DWG E-201.00
2. WITH MOTION SENSOR FOR "ON-OFF" OPERATION.
3. CONNECT TO PHOTOCELL AND TO TIME CLOCK/RELAY IN ELEC RM FOR EXTERIOR LIGHTS. SEE DETAIL
4. CONNECT EXIT LIGHTS TOGETHER AND TO EXIT LIGHT PANEL WITH 2-#8, #6G THHN. PROVIDE (2) EXIT LIGHT CIRCUITS PER FLOOR, TOTAL 10 ACTIVE, 2-SPARE.
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21. IN WEATHERPROOF ENCLOSURE COVER "WHILE IN USE" WITH LOCK.

PANEL APT (TYPICAL 1-BR APT) TYPE RECESSED MAINS CU.
M.L.O. VOLTAGE 120/208V, 1Φ, 3W + G
FEEDER SEE APT PANEL SCHED

CIRCUIT	L.O. SWG	T-R-T	ASSIGNMENT	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	PHASE	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	ASSIGNMENT	T-R-T	L.O. SWG	CIRCUIT
1	1	15	SMOKE/CO DETECTORS	2-#12, #12G	A	2-#12, #12G	REFRIG	20	1	2
3		20	GFI BATH ROOM		B		SMALL APPL CIRCUIT			4
5		20	LIGHTING		A		SMALL APPL CIRCUIT			6
7		15	A/C BED ROOM		B		SMALL APPL CIRCUIT			8
9		20	RECEPT @ FB		A	↓	A/C LR/DR/K			10
11			CONV. RECEPT'S		B		SPARE			12
13			CONV. RECEPT'S		A		SPARE			14
15	↓	↓	CONV. RECEPT'S	↓	B		SPARE	↓	↓	16

REMARKS: CU. GROUND BUS LOAD SEE APT PANEL SCHED KW

PANEL SUPER'S 2-BR APT TYPE RECESSED MAINS CU.
M.L.O. VOLTAGE 120/208V, 1Φ, 3W + G
FEEDER SEE APT PANEL SCHED

CIRCUIT	L.O. SWG	T-R-T	ASSIGNMENT	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	PHASE	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	ASSIGNMENT	T-R-T	L.O. SWG	CIRCUIT
1		15	SMOKE/CO DETECTORS	2-#12, #12G	A	2-#12, #12G	REFRIG	20	1	2
3		20	GFI BATH ROOM		B		SMALL APPL CIRCUIT			4
5		20	LIGHTING		A		SMALL APPL CIRCUIT			6
7		15	A/C BED ROOM		B		SMALL APPL CIRCUIT			8
9		15	A/C BED ROOM		A		A/C LR/DR/K			10
11		20	RECEPT @ FB	↓	B		CONV. RECEPT'S			12
13			SPARE		A	↓	CONV. RECEPT'S			14
15	↓	↓	SPARE		B		SPARE	↓	↓	16

REMARKS: CU. GROUND BUS LOAD SEE APT PANEL SCHED KW

AT EACH APARTMENT:
PROVIDE CIRCUITRY WITHIN EACH APT. UNIT AS FOLLOWS:
- DEDICATED 20A/1P CIRCUIT GFI IN EACH BATHROOM.
- AFCI PROTECTED CIRCUITS TO APARTMENT RECEPTACLES W/ DEDICATED NEUTRAL FOR EACH CIRCUIT. DO NOT CONNECT LIGHTS TO RECEPTACLE CIRCUIT.
- MINIMUM (2) 20A/1P CIRCUITS FOR LIVING ROOM
- MAXIMUM (6) CONVENIENCE RECEPTACLES ON 20A/1P CIRCUITS.
- DEDICATED 15A/1P CIRCUIT FOR HARD WIRED SMOKE/CARBON MONOXIDE DETECTORS.
- PROVIDE TAMPER RESISTANT RECEPTACLES THROUGHOUT APARTMENT.
- SEE TYPICAL APARTMENT LAYOUT.

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PROMESA

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NO:	REVISION:	DATE:
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DRAWING TITLE:
TYPICAL APT LAYOUT

ARCHITECT:
OCV
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NEW YORK CITY NEW YORK 10012
T 212 675 6470 F 212 675 6728

DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: AS NOTED

DRAWING #: E-107.00

MECHANICAL EQUIPMENT SCHEDULE

DESCRIPTION	LOCATION	VOLTS	PHASE	HP/FLA W/KW	PANEL	BRANCH CIRCUIT WIRING HNG THHN CU	DISC. SWITCH	REMARKS
BEF-1	ROOF	120	1	Ø8 HP	BR	2-#10, #10G	ST[6]	W/ INTEGRAL ST
-2				Ø6				
-3				Ø8				
-4				Ø7				
-5				Ø7				
-6				Ø11				
-7				Ø8				
KEF-1				Ø7				
-2				Ø7				
-3				Ø6				
-4				Ø7				
-5				Ø7				
-6				Ø7				
-7				Ø7				
-8				Ø9				
-9				Ø7				
-10				Ø9				
GEF-1				.11				
SF-1	1ST FL			36W				
SF-2	BASEMENT				BR			
SF-3	CELLAR				RR			
PTAC-A	APT/UON	120		5.5a	AP UON	2-#12, #12G	NEMA-5-15R	
-B		120		7.1a			NEMA-5-15R	
-C		208		5.5a			NEMA-6-15R	
-D				6.5a				
-F				7.7				
BOILER-1	BOILER RM	120	1		BR		ST	
BOILER-1 CIRC PUMP		120	1					
BOILER-2		120	1					
BOILER-2 CIRC PUMP		120	1	1/2 HP				
HW HTG PUMP P-1		208	3	5 HP		3-#10, #10G	60/3/U	SEE DETAIL
HW HTG PUMP P-2 (S/B)		208	3	5 HP (S/B)		3-#10, #10G	60/3/U	
TURBO ZONE PUMP P-3		120	1	Ø.4 HP		2-#12, #12G	ST	
TURBO ZONE PUMP P-4 (S/B)				Ø.4 HP (S/B)		2-#12, #12G		
CAB HTR - CUH-1				Ø5 HP	H	2-#12, #12G		
-2				Ø4				
-3				Ø4				
-4	REC RM			Ø5	RR			
-5	REC RM			Ø5	RR			
BOILER CONTROL PANEL	BOILER RM				BR			
SEQ CONTROL PANE-2 & 3						2-#12, #12G EACH	STEACH	
SPRKLR SUBM SUMP PUMP	BIKE STOR CELLAR			1/2 HP	H	2-#12, #12G	ST	
UNIT HEATER UH-1	STORAGE BSMT			1/8 HP				
UH-2	STORAGE BSMT			1/8 HP				
UH-3	BIKE STOR CELLAR			1/8 HP				
SUBM SUMP PUMP	ELEV PIT	120		1/2 HP	H	2-#12, #12G	NEMA-5-15R	
CIRC PUMP	BOILER RM			1/3 HP	BR	2-#12, #12G	ST	
ELECTRONIC MIXING VALVE							ST	
TRPLX BOOSTER UNIT	CELLAR	208	3	2@5HP 1@1 1/2HP	H	3-#10, #10G EA 3-#12, #12G	(2) 60/3/U (1) 30/3/U	
HW RECIRC PUMP	BOILER RM	120	1	1/3 HP	BR	2-#12, #12G	ST	100/3/U @ UNIT
ELEVATOR-1		208	3	20 HP	SEE ONE-LINE DIAGRAM			
ELEVATOR-2		208	3	20 HP	SEE ONE-LINE DIAGRAM			
MUOA-1	BOILER RM	208	1		BR	2-#12, #12G	30/2/U	
COND-1	ROOF	208	3	142 RLA 43.0 RLA	H H	3-#10, #10G 3-#8, #8G	60/3/U/WP 100/3/U/WP	SEE AC WIRING DIAG
AHU-1	SECURITY	208	1		H	2-#12, #12G	SF	
-2	OFFICE							
-3	LOBBY							
-4	LOBBY							
-5	EMR							
-6	MAIN OFF							
-7	RECYCL RM							
-8	REC RM				RR			
-9	REC RM				RR			
FIRE PUMP	W. METER RM	208	3	30 HP	SEE ONE-LINE DIAGRAM			
JOCKEY PUMP	W. METER RM	208	3	1 HP	SEE ONE-LINE DIAGRAM			
COMPACTOR-1	CELLAR	208	3	5 HP	SEE ONE-LINE DIAGRAM			
COMPACTOR-2	CELLAR	208	3	5 HP	SEE ONE-LINE DIAGRAM			

PANEL H (3-SECT) TYPE SURFACE MAINS CU. 600 AMPERES
VOLTAGE 120/208V, 3Ø, 4W + G
M.L.O. 600A FEEDER SEE ONE-LINE DIAGRAM

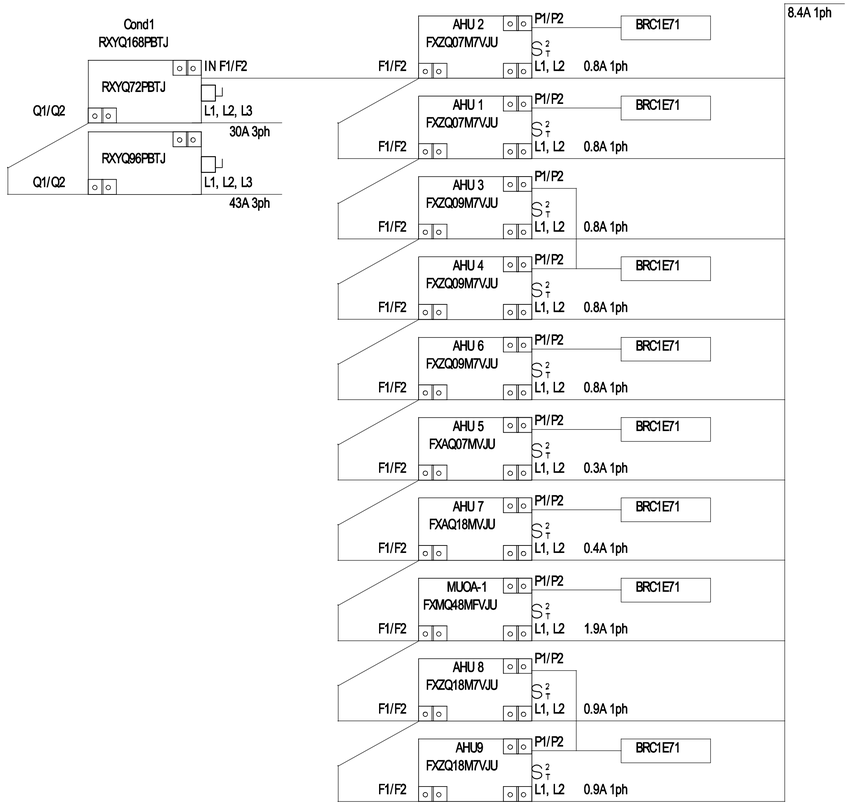
CIRCUIT	POLES	TRIP	ASSIGNMENT	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	PHASE	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	ASSIGNMENT	TRIP	POLES	CIRCUIT
1	1	20	LTS - STAIR-A	2-#10, #10G	A	2-#12, #12G	TELE	20	1	2
3			LTS - STAIR-A		B		APT IC			4
5			LTS - GFI @ ROOF		C		CATV			6
7			MD @ STAIR 4 ELEV BLKHD		A		SPARE			8
9			LTS - STAIR-B	2-#8, #8G	B					10
11			LTS - STAIR-B		C					12
13			LT - GFI - MD STAIR-B		A		CCTV			14
15			SPARE		B					16
17			SPARE		C					18
19			LTS - REFUSE/RECYC - CELLAR	2-#10, #10G	A					20
21			LTS - BIKE STOR		B		SPARE			22
23			GFI - BIKE STOR		C	2-#12, #12G	T/C & RELAY - EXTER LTS	15		24
25			UH-3 - BIKE STOR		A	2-#10, #10G	LTS - FRONT ENTRANCE	20		26
27			ELEV PIT LT / GFI	2-#12, #12G	B	2-#8, #8G	LTS - TERRACE 3 & 4			28
29			SUBM SUMP PUMP	2-#12, #12G	C		LTS - SIDE YARD			30
31			EM CALL POWER SUPPLY		A		LTS - TERRACE 2			32
33			LTS - LOUNGE-BSMT		B		LTS - TERRACE 1			34
35			GFI - LOUNGE TOIL - BSMT		C		LTS - TERRACE-1 NORTH			36
37			RECEPT - LOUNGE-BSMT		A		LTS - GREEN ROOF			38
39			RECEPT - LOUNGE-BSMT		B	2-#12, #12G	UH-1	15		40
41			PTAC-B		C	2-#12, #12G	UH-2	15		42
43			LTS - STOR-BSMT		A		RECEPT - ELECT	20		44
45			RECEPTS - STOR-BSMT		B		- MAINT			46
47			LTS - BSMT		C					48
49			LT - GFI - ELEV PIT		A					50
51			SUBM SUMP PUMP SPKL		B		GFI - ELEV MACH RM			52
53			LTS - 1ST FL		C		RECEPT - 1ST FL			54
55			LTS - LOBBY		A					56
57			RECEPTS - 1ST FL		B					58
59			RECEPTS - 1ST FL		C					60
61					A		RECEPT - LOBBY			62
63	3	35	COND - 1	◇1	B	◇1	CUH-1 - 1ST FL			64
65					C		SPARE			66
67					A	◇1	AHU-3, AHU-4	40	2	68
69	3	50	COND - 1	◇1	B					70
71					C		SPARE			72
73					A					74
75	3		PANEL "RR"	*	B	*	COMPACTORS (2)	60	3	76
77					C					78
79					A					80
81	3		PANEL "BR"	*	B	*	PANEL "L"		3	82
83					C					84
85	1	20	LTS - ELEV LOBBY	2-#8, #8G	A	2-#8, #8G	LTS - RECY/REF			86
87			LTS - ELEV LOBBY		B		LTS - JAN CL B-6FL			88
89			LTS - PUBLIC HALL C-6		C		LTS - PUBLIC HALL C-6			90
91					A					92
93					B					94
95					C					96
97					A		RECEPT - PUBLIC HALL			98
99			RECEPT - PUBLIC HALL		B					100
101					C					102
103			SPARE		A					104
105					B		SPARE			106
107					C					108
109					A					110
111	3	15	SPARE		B		SPARE	20	3	112
113					C					114
115			SPACE		A		SPACE			116
117					B					118
119					C					120
121					A					122
123					B					124
125					C					126

REMARKS: PROVIDE "HACR" C.B.'S FOR MOTORIZED LOADS
* SEE ONE-LINE DIAGRAM
CU. GROUND BUS

PANEL BR (2-SECT) TYPE SURFACE MAINS CU. 150 AMPERES
VOLTAGE 120/208V, 3Ø, 4W + G
M.L.O. 150A FEEDER SEE ONE-LINE DIAGRAM

CIRCUIT	POLES	TRIP	ASSIGNMENT	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	PHASE	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	ASSIGNMENT	TRIP	POLES	CIRCUIT
1	1	15	BOILER #1	2-#12, #12G	A	2-#12, #12G	PUMP SEQUENCER PANEL-1	15	1	2
3		20	BOILER #1 PUMP		B		PUMP SEQUENCER PANEL-2	15		4
5		15	BOILER #2		C		GFI	20		6
7		20	BOILER #2 PUMP		A		ELECTRONIC VALVE	15		8
9		15	HW RECIRC PUMP		B		T/C & RELAY - ROOF FANS	15		10
11		20	LIGHTS		C	2-#10, #10G	BEF-1, BEF-7	20		12
13		15	BOILER CONTROL PANEL		A		BEF-2, BEF-3			14
15		20	SPARE		B		BEF-4, BEF-6			16
17		15			C		BEF-5	15		18
19					A		KEF-1, KEF-10	20		20
21					B		KEF-2, KEF-13			22
23		20			C		KEF-4, KEF-9			24
25					A		KEF-5, KEF-6			26
27	3	35	P-1	3-#10, #10G	B		KEF-8	15		28
29					C		KEF-7	15		30
31					A					32
33	3	35	P-2 (S/B)	3-#10, #10G	B		SPARE	15	3	34
35					C					36
37	1	15	P-3	2-#12, #12G	A	2-#12, #12G	MUOA-1	15	2	38
39	1	15	P-4 (S/B)	2-#12, #12G	B					40
41	1	20	SPARE		C		SPARE	20	1	42
43	2	15	AHU-3, AHU-4	◇1	A					44
45					B					46
47	1	20	SPARE		C					48

REMARKS: PROVIDE "HACR" C.B.'S FOR MOTORIZED LOADS
CU. GROUND BUS



1 AC WIRING DIAGRAM ◇1
NOT TO SCALE

PANEL RR TYPE SURFACE MAINS CU. AMPERES
VOLTAGE 120/208V, 3Ø, 4W + G
M.L.O. FEEDER SEE ONE-LINE DIAGRAM

CIRCUIT	POLES	TRIP	ASSIGNMENT	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	PHASE	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	ASSIGNMENT	TRIP	POLES	CIRCUIT
1	1	20	LIGHTS	2-#12, #12G	A	2-#12, #12G	GFI - TOILET	20	1	2
3			LIGHTS		B		RECEPTS O.C.			4
5			SPARE		C		O.C.			6
7					A					8
9	2	20	AHU-8, AHU-9		B					10
11					C		REFRIG			12
13	1	15	CUH-4		A		SPARE			14
15			CUH-5		B					16
17			SF-3		C					18

REMARKS:
CU. GROUND BUS

PANEL L TYPE SURFACE MAINS CU. AMPERES
VOLTAGE 120/208V, 3Ø, 4W + G
M.L.O. FEEDER SEE ONE-LINE DIAGRAM

CIRCUIT	POLES	TRIP	ASSIGNMENT	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	PHASE	AC OR MC CABLE MIN. #12 GA. THHN CU. WIRE	ASSIGNMENT	TRIP	POLES	CIRCUIT
1	1	20	LIGHTS	2-#12, #12G	A	2-#12, #12G	DRYER	20	1	2
3			WASHER		B					4
5					C					6
7					A					8
9					B					10
11					C					12
13					A		PTAC - B			14
15			RECEPT		B		SPARE			16
17			SPARE		C					18

REMARKS:
CU. GROUND BUS

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PROMESA

PROJECT TITLE:
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4	CONTRACT SET	6/18/2013

DRAWING TITLE:
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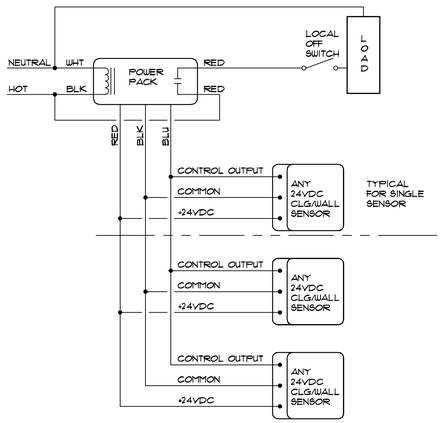
DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: NONE

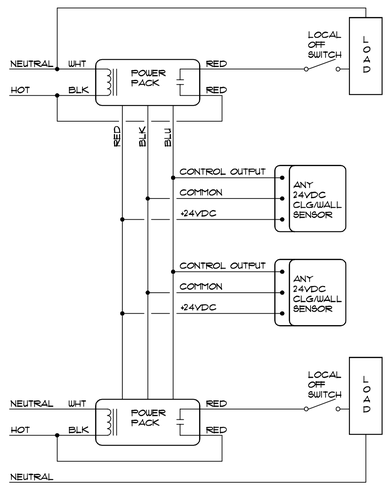
DRAWING #: E-201.00



TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM MULTIPLE OCCUPANCY SENSORS USING ONE POWER PACK

NOT TO SCALE

NOTE:
MAXIMUM NUMBER OF SENSORS PER POWER PACK DEPENDS ON THE MODEL OF SENSOR. SEE THE PRODUCT DATA SHEET TO DETERMINE THE SPECIFIC CURRENT CONSUMPTION OF EACH SENSOR.

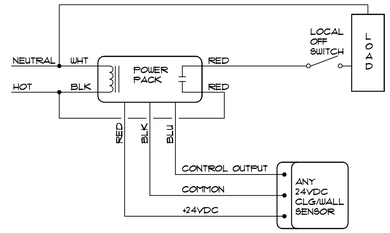


TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM MULTIPLE OCCUPANCY SENSORS CONTROLLING TWO POWER CIRCUITS

NOT TO SCALE

SHEET NOTES

(M)'A' = DT-300
(M)'B' = WPIR
(M)'C' = WT-2250
(M)'D' = WT-600

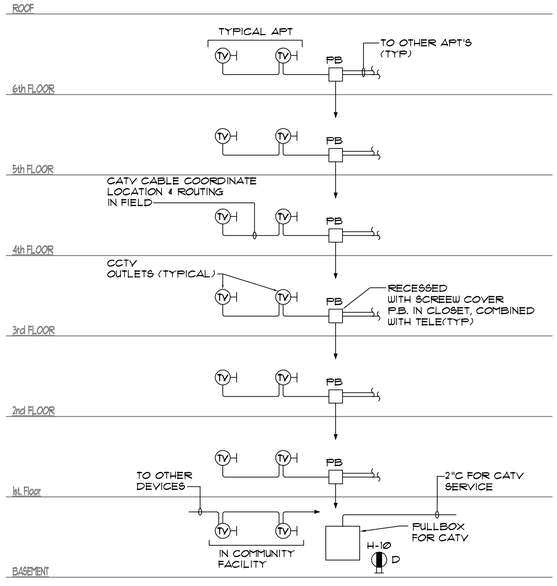


TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM ANY 3-WIRE 24VDC SENSOR

OCCUPANCY SENSOR GENERAL NOTES

FINAL DETERMINATION OF CIRCUITING, VOLTAGE AND QUANTITY OF POWER PACKS REQUIRED, AND SETTING OF SENSITIVITY/TIME ADJUSTMENTS ARE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR AND/OR COMMISSIONING AGENT. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHOULD BE ADHERED TO.

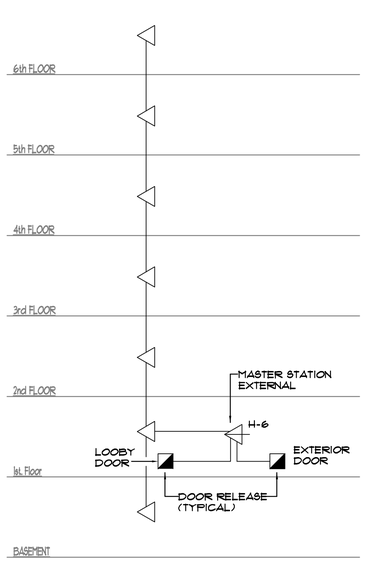
1. SENSOR LOCATIONS ARE APPROXIMATE. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION. IF PENDANT MOUNTED FIXTURES ARE PRESENT, LOCATION AND COVERAGE OF SENSORS SHOULD BE REVIEWED.
2. LOCATED ULTRASONIC CEILING MOUNT SENSORS NO CLOSER THAN 6' TO AIR SUPPLY/ RETURN REGISTERS.
3. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS, VERIFICATION OF MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
4. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF REQUIRED NUMBER OF POWER PACKS.
   A. ONE POWER PACK IS REQUIRED FOR EACH CIRCUIT THAT IS TO BE CONTROLLED.
   B. MAXIMUM NUMBER OF SENSORS THAT CAN BE WIRED IN PARALLEL TO A SINGLE POWER PACK IS DEPENDENT ON SENSOR MODEL (SEE INDIVIDUAL DATA SHEETS FOR MA CONSUMPTION).
5. PERFORM INSTALLATION, CONNECTION & TESTING UNDER SUPERVISION OF MANUFACTURER'S AUTHORIZED REPRESENTATIVE.
6. SUBMIT SHOP DRAWINGS INDICATING LOCATION & TYPE OF OCCUPANCY SENSOR.
7. EQUIPMENT SPECIFIED IS BY WATT STOPPER/LEGRAND. CONSULT JUAN SANCHEZ OF STAN DEUTSCH ASSOC, 718-361-9150 x224, JUAN@SDALIGHTING.COM



CATV CONNECTION DIAGRAM

NOT TO SCALE

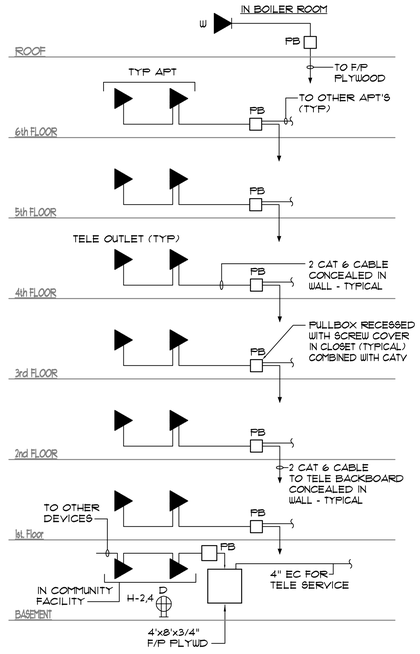
NOTES:
1. PROVIDE RISER FOR EACH VERTICAL RUN OF APTS.
2. PROVIDE WIRING AS PER VENDORS REQUIREMENTS.
3. PROVIDE INSTALLATION, CONNECTIONS, AND TESTING UNDER THE SUPERVISION OF MFGR OR MFGR REP
4. SUBMIT POINT-TO-POINT WIRING LAYOUT AS SHOP DRAWING.



APT INTERCOM CONNECTION DIAGRAM

NOT TO SCALE

NOTES:
1. PROVIDE RISER FOR EACH VERTICAL RUN OF APTS.
2. PROVIDE WIRING AS PER VENDORS REQUIREMENTS.
3. PROVIDE INSTALLATION, CONNECTIONS, AND TESTING UNDER THE SUPERVISION OF MFGR OR MFGR REP
4. SUBMIT POINT-TO-POINT WIRING LAYOUT AS SHOP DRAWING.
5. CONNECT SO THAT INTERIOR DOOR DOES NOT OPEN UNTIL EXTERIOR DOOR IS CLOSED AND SECURE.



TELEPHONE/DATA CONNECTION DIAGRAM

NOT TO SCALE

NOTES:
1. PROVIDE RISER FOR EACH VERTICAL RUN OF APTS.
2. PROVIDE INSTALLATION, CONNECTIONS, AND TESTING UNDER THE SUPERVISION OF MFGR OR MFGR REP
3. SUBMIT POINT-TO-POINT WIRING LAYOUT AS SHOP DRAWING.
4. INSTALL CABLES CONCEALED

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NO:	REVISION:	DATE:
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DRAWING TITLE:
DIAGRAMS

ARCHITECT:
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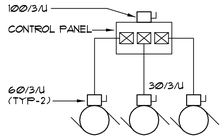
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY NEW YORK 10012
t212 675 6470 f212 675 6728

DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: NONE

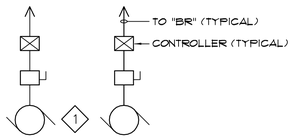
DRAWING #:
E-202.00



TRIPLEX DOMESTIC WATER SYSTEM BOOSTER PUMPS CONNECTION DIAGRAM

4 — 1

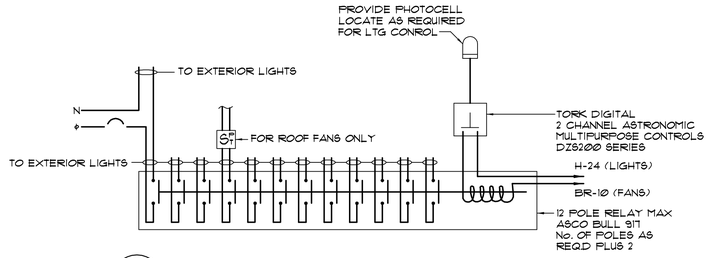
NOT TO SCALE



H.W. HTG CIRC PUMPS P-1 & P-2 (1-STANDBY) CONNECTION DIAGRAM

5

NOT TO SCALE

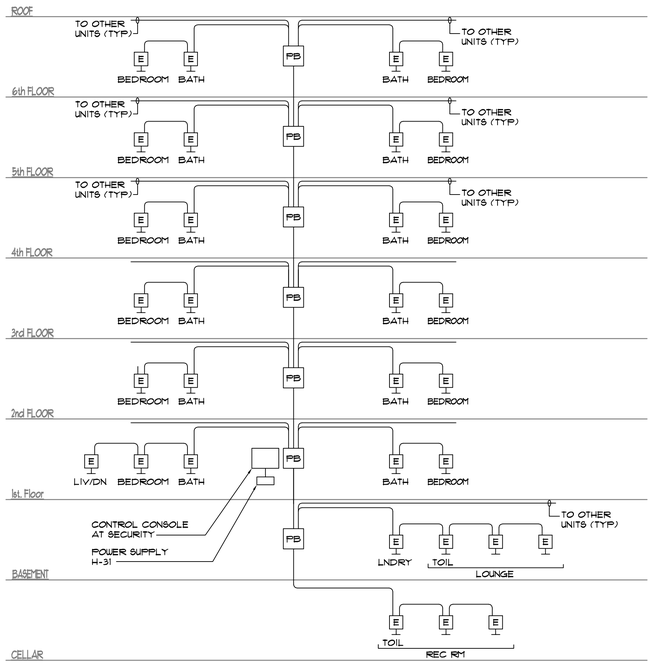


EXTERIOR LIGHTING CONTROL WIRING DIAGRAM

3

NOT TO SCALE

TYPICAL FOR ROOF FAN CONTROL
EXCEPT WITH S* SWITCH FOR EACH
FAN AT RELAY LOCATION

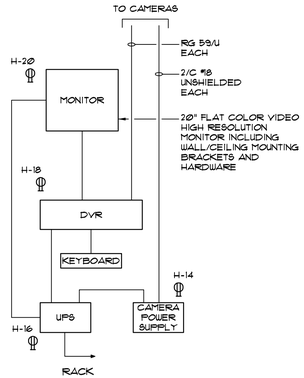


EMERGENCY CALL CONNECTION DIAGRAM

7

NOT TO SCALE

NOTES:
1. PROVIDE WIRING AS PER MFGR/VENDER REQMTS INSTALLED IN CONDUIT AS PER NYCEC
2. INSTALL CIRCUITRY CONCEALED.
3. SUBMIT AS SHOP DRAWING POINT-TO-POINT WIRING LAYOUT INDICATING LOCATION OF EACH DEVICE AND INTERCONNECTING CIRCUITRY.
4. PROVIDE SYSTEM EQUIPT, COMPONENTS, DEVICES, CIRCUITRY COMPLETE, SYSTEM SHALL BE RAULAND-RESPONDER 8000 AS SUPPLIED BY SOUND EQUIPMENT CORP., 194 BRADY AVE, HAWTHORNE NY, 10932 (914) 769-8900, ATTN: R. MARAZZO
5. PERFORM INSTALLATION, CONNECTIONS AND TESTING UNDER SUPERVISION OF MFGR OR MFGR REPRESENTATIVE.



EQUIPMENT CONTROL CABINET

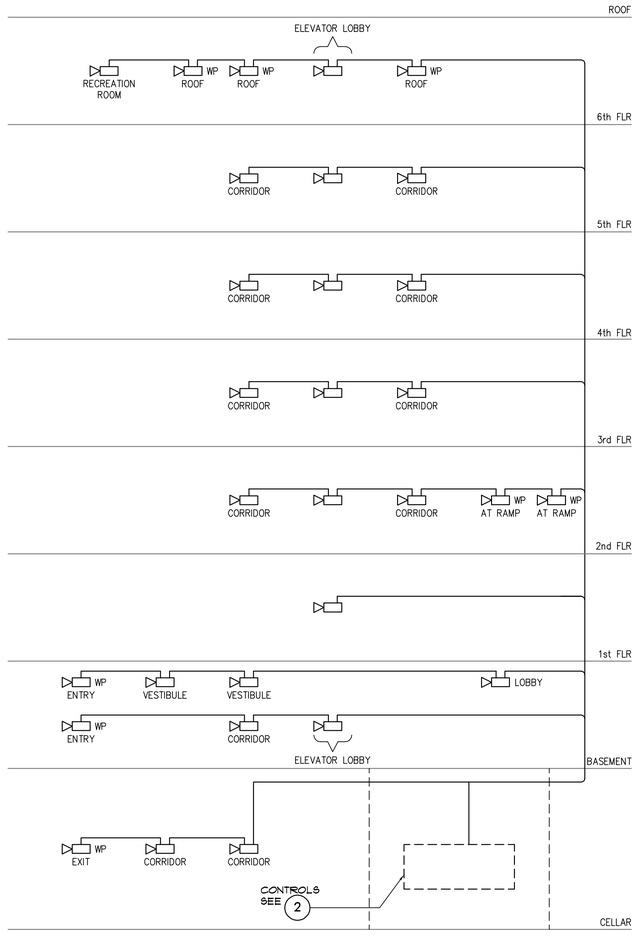
PROVIDE CONTROL CABINET TO STORE DVR, MONITOR, CAMERA POWER SUPPLY, UPS AND KEYBOARD, WITH THE FOLLOWING MINIMUM SPECIFICATION:

1. WALL MOUNT ENCLOSURE MADE BY HAEWA CORP, MODEL # P/N 0331-8012-30-07 WITH AN ADDITIONAL SHELF OR APPROVED EQUAL.
2. 8H SINGLE DOOR
3. 31.5"W (800mm) x 47.25"H (1200mm) x 12"D (300mm)
4. NEMA 4, 12, 13 UL/CSA/GL/LLOYDS APPROVAL
5. MILD STEEL, DOOR 14GA, BODY 16GA, MOUNTING PLATE 12GA
6. EPOXY-POLYESTER POWDER COAT, TEXTURED COLOR RAL 7035, LIGHT GRAY
7a. 2 CABLE ENTRY PLATES IN BOTTOM OF ENCLOSURE, GASKETED.
b. SECURED FROM INSIDE, REVERSIBLE DOOR
c. GROUND STUDS ON DOOR AND BODY OF ENCLOSURE
d. DOOR SEAL IS CONTINUOUS FOAMED-IN-PLACE GASKETING
e. QUICK RELEASE HINGE PINS
f. TAMPER RESISTANT DOUBLE MANDREL KEY-LOCKS
g. 180° DOOR OPENING ANGLE
h. PROFILE BARS ON INSIDE OF DOOR WITH HOLE PATTERN FOR ATTACHMENT OF CABLE HARNESSES, DUCTS OR ADDITIONAL COMPONENTS.
i. HARDWARE KIT FOR GROUND CONNECTIONS AND MOUNTING PLATE, INCLUDES DOUBLE MANDREL KEY
j. 4 WALL ATTACHMENT HOLES IN BACK OF ENCLOSURE
k. CUSTOM SHELF: 31.5"W x 8"D

CCTV SYSTEM CONTROL EQUIPMENT CONNECTION DIAGRAM

2

NOT TO SCALE



CCTV CONNECTION DIAGRAM

1

NOT TO SCALE

NOTES:
1. PROVIDE WIRING AS PER VENDORS REQUIREMENTS INSTALLED IN CONDUIT, FLEX AT FINAL CONNECTION.
2. PROVIDE ENCLOSURES AND MOUNTING ACCESSORIES AS REQUIRED FOR SECURE INSTALLATION.
3. PROVIDE INSTALLATION, CONNECTION & TESTING UNDER SUPERVISION OF MFGR OR MFGR AUTHORIZED REP.
4. SUBMIT POINT-TO-POINT WIRING LAYOUT AS SHOP DWG, IDENTIFY ON SCALED FLOOR PLAN EXACT LOCATION OF EACH DEVICE/COMPONENT/EQUIPMENT/ETC. AND SHOW INTERCONNECTING CIRCUITRY.
5. EXACT LOCATION OF EQUIPMENT & DEVICES SHALL BE AS DETERMINED BY ARCHITECT.
6. PROVIDE INDOOR CAMERAS: HIGH DEF, MIN 1.3 MEGAPIXEL. PROVIDE EXTERIOR CAMERAS: ANALOG, LOW LIGHT, HEATED ENCLOSURES.
7. PROVIDE CIRCUITRY: H-44,46,48: HD: CAT-6 & 18/2 POWER, ANALOG: CAT-6, 18/2 POWER, RG-59 SIAMESE POWER FOR HEATER

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PROMESA

PROJECT TITLE:

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92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

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NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:

DIAGRAMS

ARCHITECT:
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NEW YORK CITY NEW YORK 10012
t212 675 6470 f212 675 6728

DATE: 03/12/2012

JOB #: 09J06

DRAWN BY: jc/aj

SCALE: NONE

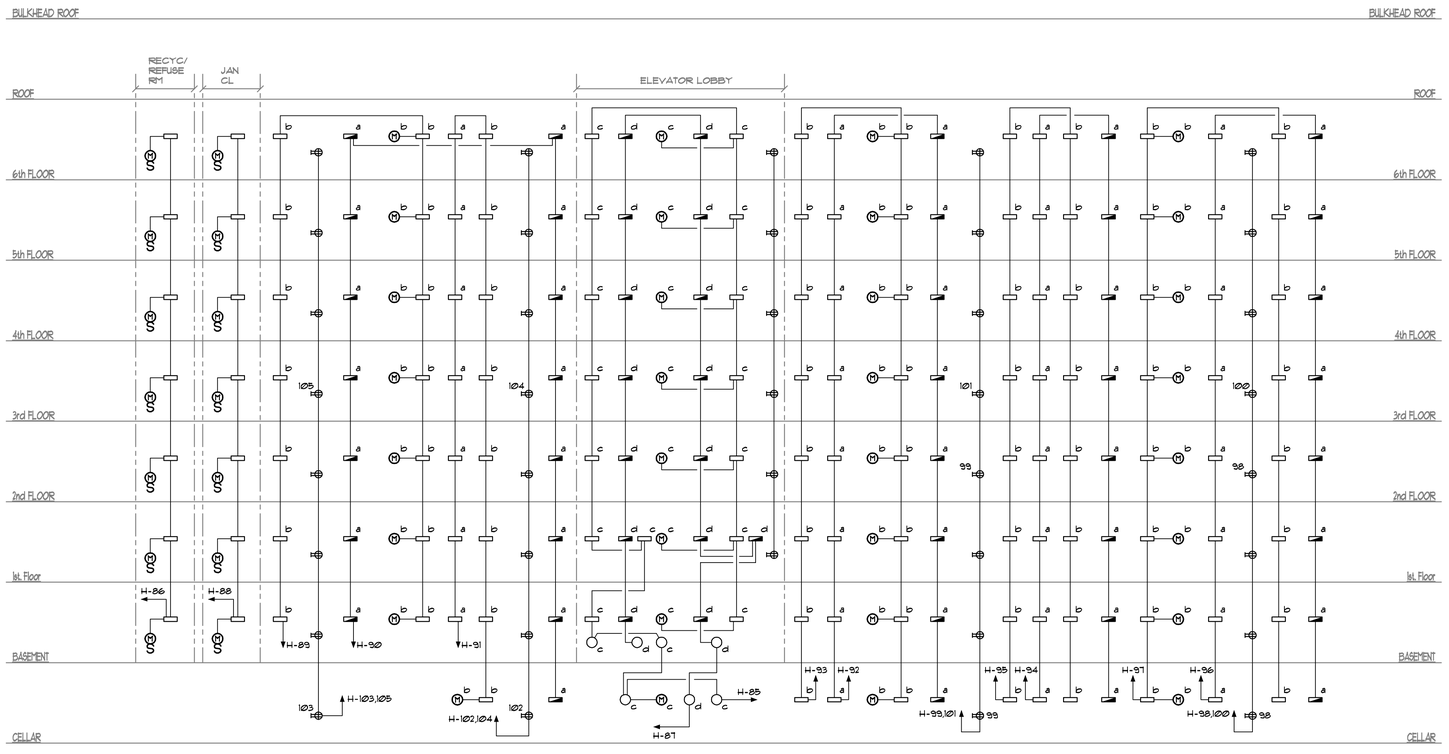
DRAWING #:

E-203.00

LIGHT FIXTURE SCHEDULE

TYPE	MTG.	SIZE	MANUFACTURER/CATALOG NUMBER	WATT	LOCATION	REMARKS
'AA'	WALL	13-7/8" W X 6-7/8" H X 3-1/2" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11907/2/13WCOMPACT(TT)120	13W	BEDROOM/LIVING ROOM	
'BB'	CEILING	7-3/8" DIA. X5"H	SEAGULL LIGHTING/DEEP CONE SATIN NICKEL/11061AT-861-6"		APT. FOYER	
'CC'	CEILING	14" DIA	SEAGULL LIGHTING/6024-15 SINGLE LIGHT WHITE PENDANT/	8W	PUIBLIC HALL/LOBBY	
'DD'	CEILING	89.25" L X 3" H X 3-1/2" D	CORONET INC./LSR SERIES/LSR-88"-1-54-NT-120	54W	KITCHEN	
'EE'	WALL	27" L X 5" W X 4" D	LIGHT CONCEPTS/LITHONIA LIGHTING/11890-RE-120	17W	APT. BATHROOM.	
'FF'	CEILING	46.25" L X 3" W X 3-1/2" D	CORONET INC./LSR SERIES/LSR-44"-1-28-NT-120	28W	KITCHEN	
'GG'	CEILING	4" H X 5" W X 4 D	TCP ECOVATIONS/ GU24 CLOSET LIGHT/SPRING LAMPS/CL13	13W	WALK-IN CLOSET	
'A'	CEILING	4' L X 5-5/16" W X 3-1/2" H	CORONET INC / WELDED STRIP SERIES / WS-2-32-120-MS	32W T8	BOILER RM/ REFUSE & RECYCLE RM./ELECTRIC, WATER & GAS METER RM./MAINTENANCE OFC/JANITOR CLOSET	NOTE *1
'B'	WALL	51-1/2" L X 11-1/4" W X 5-1/2" H	LIGHT CONCEPTS/ LITHONIA LIGHTING/ 10640-RE-17-120	17W T8	LAUNDRY	NOTE *1
'C'	CEILING	48" L X 7-3/4" W X 2" H	CORONET INC./950 SERIES/950-4-2-28W-PS6*-120-SE	28W	PUBLIC HALL	NOTE *1
'D'	WALL	24" L X 8" H X 3.99" D	LAMAR LIGHTING/VO SERIES VOYAGER/VO-2-17-E8-120-	17W	STAIRS	NOTE *1
'F'	CEILING	72" L X 4-1/2" W X 1-3/4" H	LITECONTROL/COVE-15 CC-AL-L15/ CC-AL-L15-06-MO-30K--120	8W	ELEVATORS LOBBY/LOBBY	NOTE *1
'G'	CEILING	24" X 24"	CORONET INC./TSSW SERIES/TSSW-24-2-14W-T-120	14W T5	OFFICE/SECURITY OFC/LOUNGE/RECREATION RM.	NOTE *1
'H'	WALL	18 L X 9" D X 7-1/4" H	LITHONIA LIGHTING/DECORATIVE WALL-MOUNTED LIGHT./WSR-MDU-120-DNAT		EXTERIOR WALLS/GREEN ROOF	
'I'	WALL/FLOOR	4.01" L X 4.01 W X 1.81" H	METEOR SOLAR LED LIGHTING/SH-130B-W-B-H		EXTERIOR/GREEN ROOF	
'J'	CEILING	10-1/2" DIA X 4-7/8" H	PROGRESS LIGHTING/	18W	EXTERIOR	
'K'	WALL	72" L	DELRAY LIGHTING/ST9/11/ ST96221.311-6*-120 ST94128.411-4*-120	2-21 & 1-28	MAIL WALL	
'L'	FLOOR	10" DIA X 7" H 2.6" DIA X 17" H	RAB LIGHTING/DOME TOP LAWN LIGHT / LLD3B/FS13 RAB LIGHTING/17" MIGHTYPOST/MP17B	13W CFL	SIDE YARD	INSTALL ON MOUNTING STEM N@ 1'-0" ABOVE GRADE, BLACK FINISH
'M'	CEILING	5" DIA X 6-5/8" H	DELRAY LIGHTING/CYLINDRO II/ 6705-CW-S-1		LOBBY	

NOTES:
1. PROVIDE EMERGENCY BALLAST/BATTERY PACK IN FIXTURES INDICATED ON ELECTRICAL DRAWINGS
2. GENERAL: PROVIDE PROGRAM BALLAST IN FIXTURES CONTROLLED BY OCCUPANCY SENSOR
3. PROVIDE -20 DEGREE BALLAST IN EXTERIOR FIXTURES.



1 PUBLIC HALL LIGHTING & RECEPTACLE CONNECTION DIAGRAM

NOT TO SCALE

NOTES:
1. PROVIDE MIN. #8 XHHW CIRCUITRY
2. SEE ELECTRIC FLOOR PLANS FOR LOCATION OF OCCUPANCY SENSORS.
3. SEE ARCHITECT'S REFLECTED CEILING PLANS FOR EXACT LOCATIONS. SPECS & FIXTURE TYPES AND DESCRIPTIONS. DATA SHOWN HERE IS FOR INFORMATION & CIRCUITRY ONLY.
4. SUBMIT SHOP DRAWINGS IDENTIFYING EXACT LOCATION OF OCCUPANCY SENSORS & AREAS OF COVERAGE ON SCALED FLOOR PLANS. PROVIDE SUFFICIENT ADDITIONAL QUANTITY & TYPE OF OCCUPANCY SENSORS TO ACCOMMODATE THE INTENT OF THE DRAWINGS.

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NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:

DIAGRAM & SCHEDULE

ARCHITECT:

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DATE: 03/12/2012

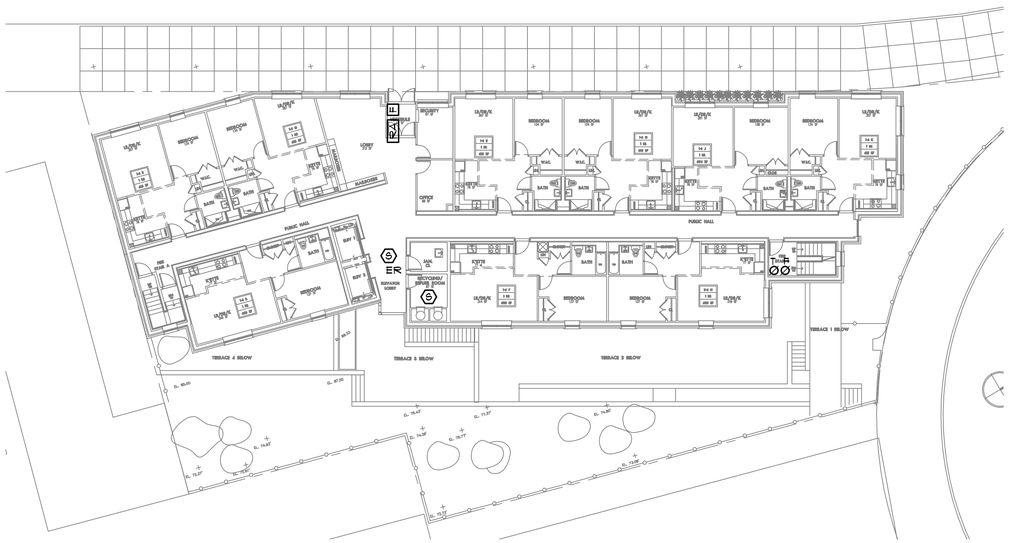
JOB #: 09J06

DRAWN BY: jc/aj

SCALE: NONE

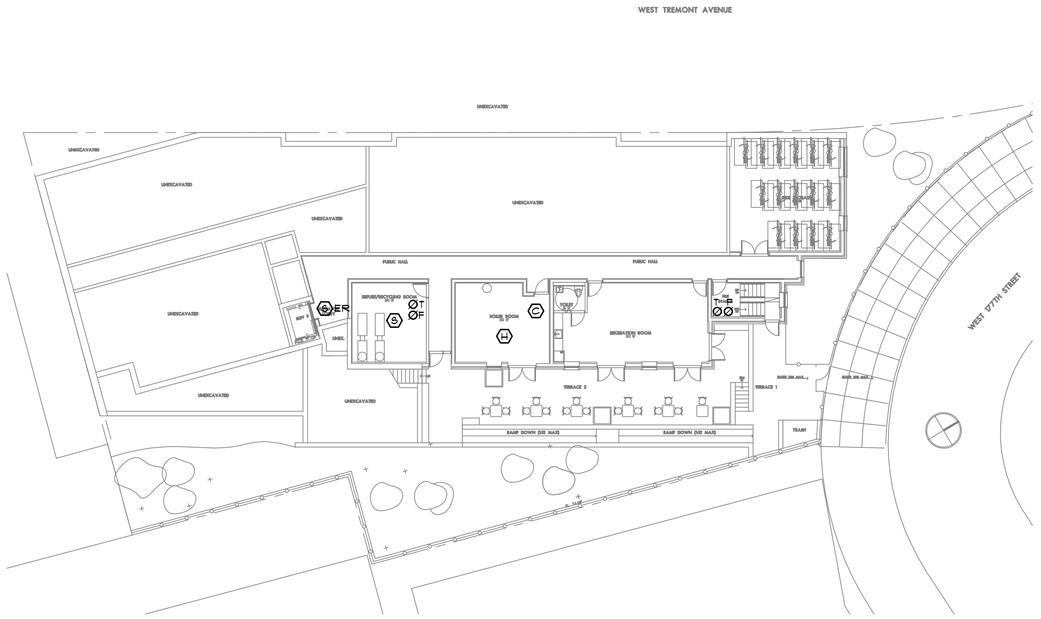
DRAWING #:

E-204.00



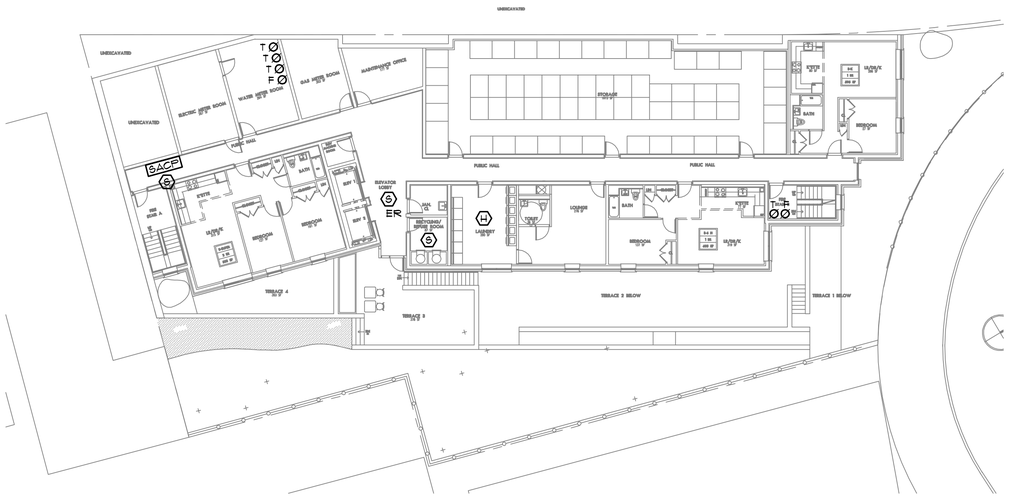
4 FIRST FLOOR PLAN

SCALE: 1/16" = 1'-0"



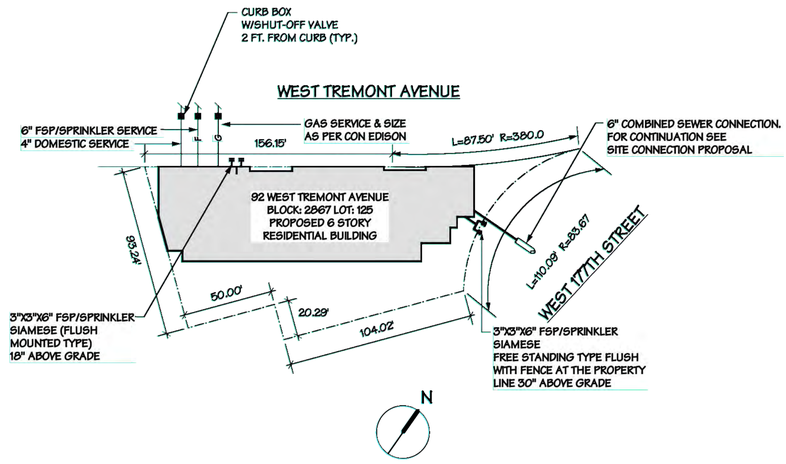
2 CELLAR FLOOR PLAN

SCALE: 1/16" = 1'-0"



3 BASEMENT FLOOR PLAN

SCALE: 1/16" = 1'-0"



1 SITE PLAN

NOT TO SCALE

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NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:

SPRINKLER/SMOKE DETECTOR ALARM SYSTEM
FLOOR PLANS

ARCHITECT:

OCV
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203 LAFAYETTE STREET 5TH FL
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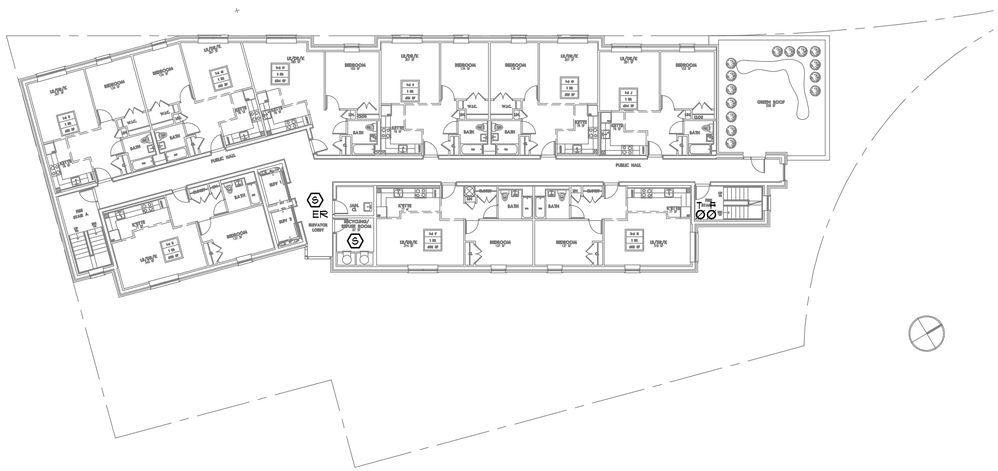
DATE: 03/12/2012

JOB #: 09J06

DRAWN BY: jc/aj

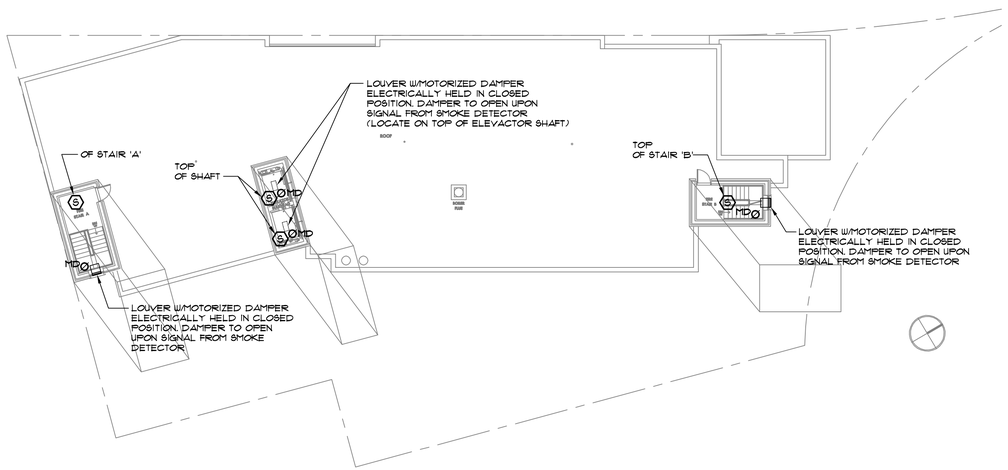
SCALE: AS NOTED

DRAWING #: FA-101.00



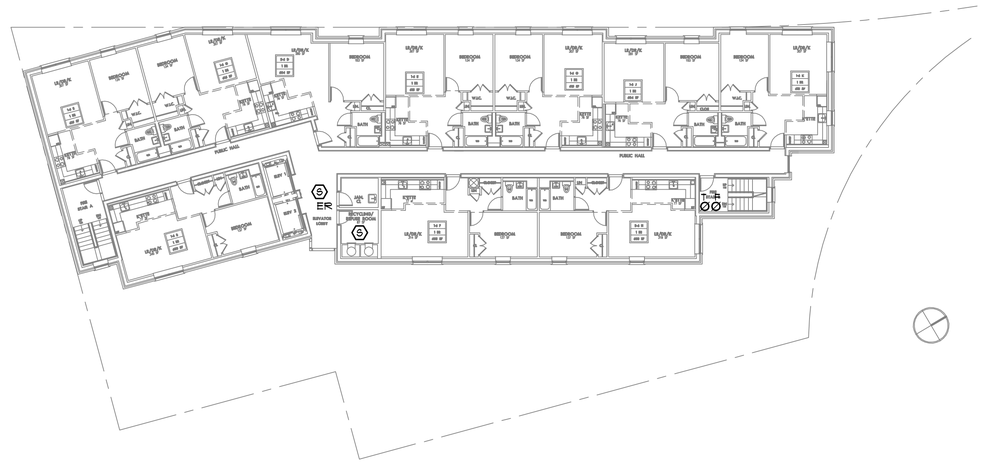
2 SIXTH FLOOR PLAN

SCALE: 1/16" = 1'-Ø"



3 ROOF PLAN

SCALE: 1/16" = 1'-Ø"



1 TYPICAL (2-5) FLOOR PLAN

SCALE: 1/16" = 1'-Ø"

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NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:

SPRINKLER/SMOKE DETECTOR ALARM SYSTEM
FLOOR PLANS

ARCHITECT:

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ARCHITECTS
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DATE: 03/12/2012

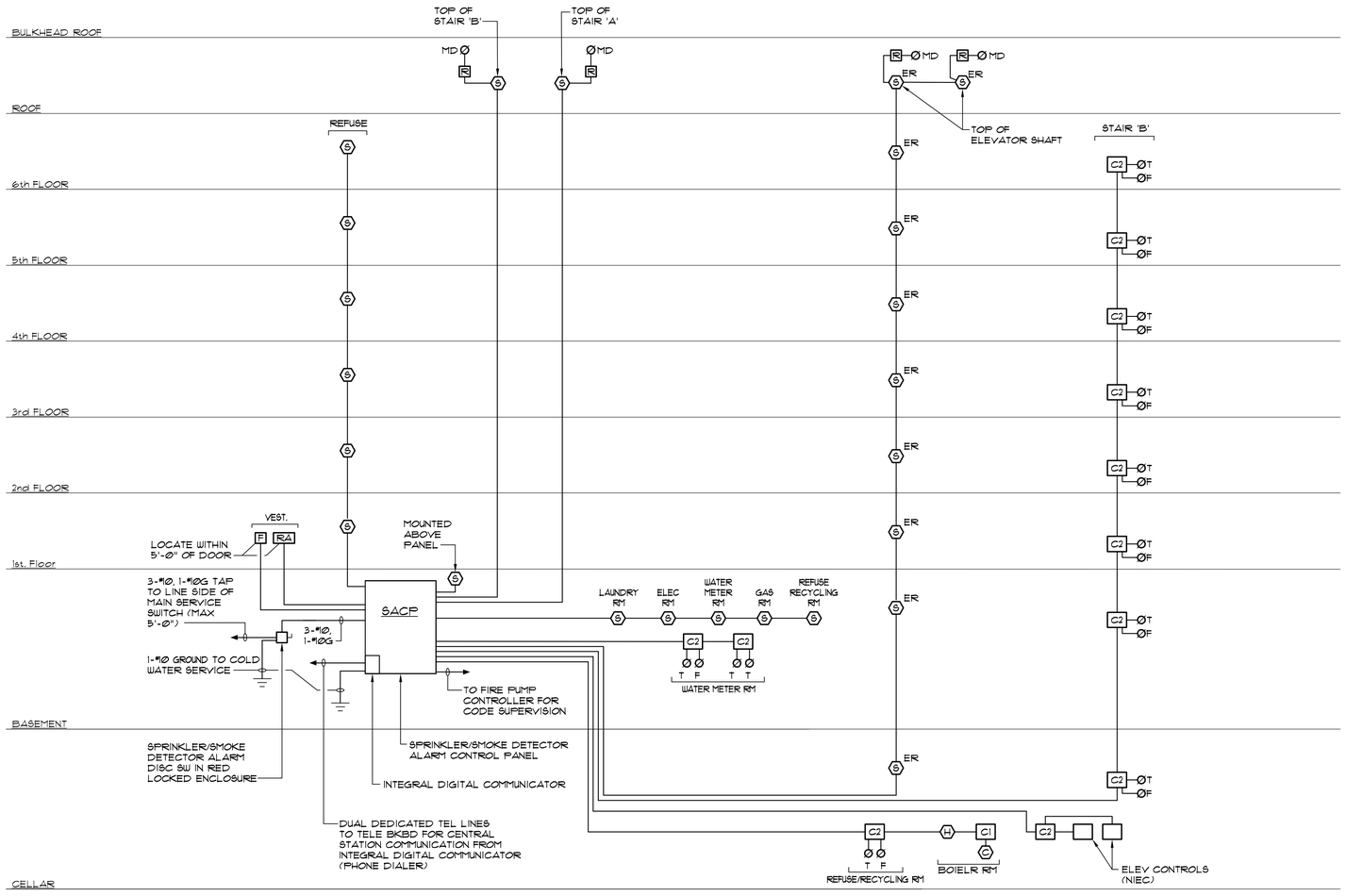
JOB #: 09J06

DRAWN BY: jc/aj

SCALE: AS NOTED

DRAWING #:

FA-102.00



1 AUTOMATIC SMOKE/HEAT DETECTION/SPRINKLER ALARM SYSTEM CONNECTION DIAGRAM

NOT TO SCALE

NOTES:
1. SEE FIRE ALARM SEQUENCE OF OPERATION, NOTES & MATRIX ON DWG FA-103.00
2. PROVIDE ADDRESSABLE LOOP 16/ 2 150°C TEFLON JACKETED NYC APPROVED FIRE ALARM CABLING

FIRE ALARM SYSTEM LEGEND

SACP	SPRINKLER/SMOKE DETECTION CONTROL PANEL. "EST" CAT. "QUICKSTART
F	ADDRESSABLE MANUAL FIRE ALARM STATION "RSG/AAMES" CAT. "RMS-1T-LP-NYC
T Ø	TAMPER SWITCH- FURNISHED & INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.
F Ø	FLOW SWITCH- FURNISHED & INSTALLED BY OTHERS, WIRED BY ELECTRICAL CONTRACTOR.
S	ADDRESABLE SMOKE DETECTOR "EST" CAT. "SIGA-DS, "ER" = FOR ELEVATOR RECALL
H	ADDRESSABLE HEAT DETECTOR "EST" CAT. "SIGA-HFS &/OR SIGA HRS
R	RELAY
C1	SINGLE INPUT MODULE "EST" CAT. "SIGA CT1
C2	DUAL INPUT MODULE "EST" CAT. "SIGA CT2
(NIEC)	NOT IN ELECTRICAL CONTRACT WORK
C	CO DETECTOR - "EST" CAT. "SIGA-CO
RA	REMOTE ANNUNCIATOR
	GROUND
MDØ	MOTORIZED DAMPER

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NO:	REVISION:	DATE:
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DRAWING TITLE:
SPRINKLER/SMOKE DETECTOR ALARM SYSTEM
LEGEND & DIAGRAM

ARCHITECT:
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DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: NONE

DRAWING #:
FA-103.00

NFPA OPERATIONS MATRIX

SYSTEM OUTPUTS

		CONTROL UNIT ANNUNCIATION						NOTIFICATION									REQUIRED FIRE SAFETY CONTROL							
		ACTUATE COMMON ALARM SIGNAL	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL	NOT USED	DISPLAY/PRINT CHANGE OF STATUS	TRANSMIT AUTOMATIC ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT MANUAL SIGNAL TO SUPERVISING STATION	TRANSMIT WATERFLOW SIGNAL TO SUPERVISING STATION	TRANSMIT SUBERVISORY SIGNAL TO SUPERVISING STATION	NOT USED	NOT USED	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	NOT USED	RECALL ELEVATORS TO GROUND FLOOR	OPEN APPROPRIATE SMOKE DAMPER	NOT USED	NOT USED	NOT USED	NOT USED	
SYSTEM INPUTS		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
1	MANUAL FIRE ALARM BOXES	X	X						X		X													1
2	SMOKE DETECTORS	X	X						X	X														2
3	TOP OF STAIR/ELEV SMOKE DETECORS																		X					3
4	HEAT DETECTORS	X	X						X	X														4
5	ELEVATOR RELATED SMOKE DETECTOR	X	X						X	X								X						5
6	WATERFLOW	X	X						X			X						X						6
7	CARBON MONOXIDE ALARM			X	X				X				X											7
8	SPRINKLER CONTROL VALVE			X	X				X				X											8
9	NOT USED																							9
10	NOT USED																							10
11	NOT USED																							11
12	FIRE ALARM AC FAILURE					X	X		X							X								12
13	FIRE ALARM SYSTEM LOW BATTERY					X	X		X							X								13
14	OPEN CIRCUIT					X	X		X							X								14
15	GROUND FAULT					X	X		X							X								15
16	NOT USED																							16
17	NOT USED																							17
18	NOT USED																							18
19	DRILL SWITCH																							19
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	

STATEMENT OF OPERATION	DATE: PROJECT: DOB#:
SEAL	I, (NAME, TITLE, LICENCE/REG.#) CERTIFY THAT THE FIRE ALARM SYSTEM FILED UNDER FW/ #_____ HAS BEEN INSTALLED AS PER APPROVED PLANS, TESTED AND OPERATES AS DESIGNED AND IN ACCORDANCE WITH THE INPUT/OUTPUT PROGRAMMING MATRIX

AUTOMATIC SMOKE/HEAT DETECTION / SPRINKLER ALARM SYSTEM NOTES

1 - THE SUGGESTED FIRE ALARM MANUFACTURER FOR THIS FACILITY IS EDWARDS SYSTEMS TECHNOLOGY (EST) PRODUCTS. THE ELECTRICAL CONTRACTOR SHALL CONTACT DANA FERRER AT EST (860-284-3432) OR DANAFERER@FSUTC.COM) FORA LIST OF NYC APPROVED EST FIRE ALARM VENDORS.
2 - WIRING, POWER, CONDUCTORS, CONDUITS ETC. SHALL MEET NYC ELECTRICAL CODE ARTICLE 760 AS PER SECTION 4000-06 OF 8-2009.
3 - WORK SHALL BE IN ACCORDANCE WITH THE 2008 NYC BUILDING CODE AND IN ACCORDANCE WITH APPENDIX Q AND K, NYC FIRE ALARM RULES, AND 2002 NFPA 72 AS AMENDED BY APPENDIX Q.
4 - FIRE ALARM EQUIPMENT SHALL BE NYC APPROVED (MEA, BSA OR COA APPROVED)
5 - FIRE ALARM CIRCUITS SHALL BE SIZED TO A MAXIMUM OF 80% OF CAPACITY.
6 - FIRE ALARM CIRCUITS SHALL BE WIRED NFPA STYLE 4/Y/B (CLASS B) WITH THE EXCEPTION OF THE NETWORK CIRCUIT WHICH SHALL BE NFPA STYLE 7 (CLASS A WITH ISOLATION). DUAL CLASS B NETWORKING IS NOT STYLE 7 AND WILL NOT BE APPROVED.
7 - CONDUITS SHALL NOT ENTER THE TOP OF ANY FIRE ALARM EQUIPMENT CABINT.
8 - FIRE ALARM EQUIPMENT SHALL BE INSTALLED WITH AESTHETICS IN MIND. CABINETS SHALL BE SEMI FLUSH MOUNTED AND CABLE TRAYS SHALL BE HIDDEN.
9 - FIRE ALARM CABINETS AND JUCTION BOXES SHALL BE PAINTED FIRE DEPARTMENT RED. FIRE ALARM CABINETS SHALL BE CLEARLY LABELED WITH A NYC APPROVED LAMINATE ENGRAVED LABEL.
10 - FIRE ALARM WIRE SHALL BE CLEARLY LABELED IN JUNCTION BOXES AND CABINETS. TERMINALS SHALL BE NUMBERED AND LABELED. CONNECTIONS SHALL BE EITHER SOLDERED, APPROVED TERMINAL STRIPS OR SCOTCH LOCKS.
11 - FIRE ALARM CONDUCTORS SHALL BE PROTECTED BY EITHER BUILDING CONSTRUCTION OR CONDUIT TO 8 FEET ABOVE THE FINISHED FLOOR. MECHANICAL AND ELECTRICAL ROOMS AND OTHER LOCATIONS SUBJECT TO MECHANICAL DAMAGE SHALL BE IN FULL RIGID CONDUIT. IN OTHER AREAS, NYC APPROVED WIRE MAY BE RUN WITHOUT CONDUIT ABOVE 8 FT. PROVIDED IT MEETS NYC ARTICLE 760 AND CONNECTS TO BUILDING CONSTRUCTION USING A NYC APPROVED MEANS.
12 - FIRE ALARM CABLES SHALL NOT BE MIXED WITH NON FIRE ALARM CABLING. LOW VOLTAGE FIRE ALARM CABLING SHALL NOT BE MIXED OR WIRED NEAR ANY AC CIRCUIT.
13 - LOW VOLTAGE WIRING SHALL BE FPLP 150 DEGREE C NYC CERTIFIED WIRE, 16 AWG MINIMUM.
14 - POLARITY SHALL BE OBSERVED ON CIRCUITS. T-TAPPING SHALL NOT BE PERMITTED ON ADDRESSABLE CIRCUITS WITHOUT THE EXPRESS PERMISSION OF THE ENGINEER.
15 - WIRING SHALL BE INSPECTED TO ASSURE THERE ARE NO OPENS, SHORTS OR EARTH GROUNDS.
16 - SHIELDED CONDUCTORS OR RUNNING IN SEPARATE RACEWAY SHALL BE AS INSTRUCTED BY THE FIRE ALARM MANUFACTURERS DOCUMENTATION. NON-POWER LIMITED WIRING, SHALL BE RUN IN A SEPARATE RACEWAY
17 - FIRE ALARM EQUIPMENT SHALL BE POWERED THROUGH AN APPROVED FUSE DISCONNECT SWITCH (FDS) CONNECTED AHEAD OF THE MAIN SERVICE SWITCH. THE FDS SHALL BE LOCATED WITHIN 5 FT OF THE CONNECTION POINT, PAINTED RED AND SUPPLIED WITH A LOCK WITH KEY MAINTAINED ON THE PREMISES. WIRING SHALL BE #10 MINIMUM THHN OR EQUIVALENT RUN IN ¾ INCH EMT/RGS AND IN ACCORDANCE WITH NYC REQUIREMENTS.
18 - FDSS AND FIRE ALARM CONTROL PANELS SHALL BE GROUNDED USING A MINIMUM #10 AWG (#8 MINIMUM TO FDS - SEE NYC ELECTRICAL CODE TABLE 250.66)) GREEN THHN OR EQUIVALENT, CONNECTED TO THE STREET SIDE OF THE COLD WATER MAIN WITH AN APPROVED CLAMP IN ¾ INCH MINIMUM EMT/RGS. THE GROUND SHALL BE CONTINUED TO OTHER FIRE ALARM EQUIPMENT CABINETS. ADDITIONALLY, THE NEUTRAL IN EACH FDS SHALL BE BONDED TO THE METALLIC HOUSING IN ACCORDANCE WITH NYC CODE.
19 - PROVIDE A CENTRAL STATION DIALER INTEGRAL WITH CONTROL PANEL AND TWO DEDICATED PHONE LINES. THE DIALER SHALL BE CAPABLE OF SENDING THE FOLLOWING EVENTS: ALARM, MANUAL STATION, WATERFLOW, SUPERVISORY, TROUBLE. PUMP RUNNING AND PUMP TROUBLE.
20 - AREA SMOKE DETECTORS SHALL BE PHOTOELECTRIC TYPE.
21 - SMOKE DETECTORS SHALL BE MOUNTED AT LEAST 3 FT AWAY FROM ANY AIR REGISTER/DIFFUSER.
22 - CEILING MOUNT DEVICES SHALL BE SECURELY FASTENED TO BUILDING CONSTRUCTION.
23 - DEVICE LOCATIONS SHALL BE READILY ACCESSIBLE TO ALLOW FOR MAINTENANCE AND REPAIR.
24 - MANUAL STATIONS SHALL BE MOUNTED 48 INCHES ABOVE THE FINISHED FLOOR TO THE HANDLE OF THE STATION AND SHALL BE PAINTED FIRE DEPARTMENT RED. MANUAL STATION SHALL BE INSTALLED SO THAT THEY ARE KEPT UNOBSTRUCTED AT ALL TIMES.
25 - THE NYCE FIRE DEPARTMENT SHALL APPROVE THE PLANS PRIOR TO THE BEGINNING OF ANY WORK.
26 - LOCATIONS OF FIRE ALARM EQUIPMENT SHALL BE SUBJECT TO THE NYC DEPARTMENT OF BUILDING AND FDNY APPROVAL. NO CHANGE OR MODIFICATION TO THE SYSTEM OR PLANS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE ENGINEER OF RECORD. IF ANY CHANGEES ARE MADE TO THE DRAWINGS PRIOR TO OR DURING INSTALLATION, AS BUILT PLANS SHALL BE PREPARED BY THE ENGINEER AND FILED WITH THE APPROPRIATE NYC AGENCIES FOR FINAL ACCEPTANCE.
27 - THE CONTRACTOR SHALL RETAIN A NY STATE PE TO SIGN AND SEAL NECESSARY DOCUMENTS REQUIRED FOR INSPECTION AND TO OBTAIN A FINAL LETTER OF APPROVAL. THIS SHALL INCLUDE A SIGNED AND SEALED 11X17 AS-BUILT DRAWINGS, STATEMENT OF OPERATION, AN NFPA PROGRAMMING MATRIX, AND THE CONTRACTORS SIGNED AND SEALED A-433 FORM. THESE DOCUMENTS SHALL BE SUBMITTED AS NECESSARY TO THE NYC FIRE DEPARTMENT/NYC DEPARTMENT OF BUILDINGS TO OBTAIN A FIRE ALARM INSPECTION. IF A LETTER OF DEFECT IS ISSUED, THE CONTRACTOR SHALL CORRECT ITEMS AND SUBMIT A SIGNED AND SEALED CERTIFICATE OF CORRECTION TO THE NYC FIRE DEPARTMENT TO OBTAIN A FINAL LETTER OF APPROVAL AT NO ADDITIONAL COST TO OWNER. SUBMIT COPY OF FDNY FINAL APPROVAL LETTER TO OWNER.
28 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY ABANDONED FIRE ALARM CABINETS, DEVICES, AND WIRE. PAINT, PATCH AND CLEANUP SHALL ALSO BE INCLUDED.
29 - PROVIDE "AS-INSTALLED" RISER DIAGRAMS (3) IN FRAME SUITABLE FOR WALL MOUNTING OF RISER DIAGRAM, MINIMUM 11"X17" CADD DRAFTED. SUBMIT DRAFT COPY FOR REVIEW AS SHOP DRAWING.
30 - PROVIDE EQUIPMENT, PERFORM INSTALLATION, CONNECTIONS AND TESTING UNDER SUPERVISION OF MANUFACTURERS AUTHORIZED REPRESENTATIVE.

SEQUENCE OF OPERATION

A. ACTIVATION OF THE MANUAL PULL STATION WILL:
   a. ANNUNCIATE THE DEVICE IN ALARM ON AN ENGLISH LANGUAGE DISPLAY AT THE ALARM PANEL AND REMOTE ANNUNCIATOR
   b. SEND AN ALARM SIGNAL TO CENTRAL OFFICE

B. ACTIVATION OF AN AREA SMOKE, HEAT OR CO DETECTOR WILL:
   a. ANNUNCIATE THE DEVICE IN ALARM ON AN ENGLISH LANGUAGE DISPLAY AT THE ALARM PANEL AND REMOTE ANNUNCIATOR
   b. SEND A SMOKE ALARM SIGNAL TO CENTRAL OFFICE

C. ACTIVATION OF AN ELEVATOR RELATED SMOKE DETECTOR WILL:
   a. ANNUNCIATE THE DEVICE IN ALARM ON AN ENGLISH LANGUAGE DISPLAY AT THE ALARM PANEL AND REMOTE ANNUNCIATOR
   b. SEND A SMOKE ALARM SIGNAL TO CENTRAL OFFICE
   c. RECALL THE ELEVATOR TO THE GROUND FLOOR

D. ACTIVATION OF A WATERFLOW SWITCH WILL:
   a. ANNUNCIATE THE DEVICE IN ALARM ON AN ENGLISH LANGUAGE DISPLAY AT THE ALARM PANEL AND REMOTE ANNUNCIATOR
   b. SEND A WATERFLOW ALARM SIGNAL TO CENTRAL OFFICE
   c. RECALL THE ELEVATOR TO THE GROUND FLOOR

E. ACTIVATION OF A TAMPER SWITCH WILL:
   a. ANNUNCIATE THE DEVICE IN ALARM ON AN ENGLISH LANGUAGE DISPLAY AT THE ALARM PANEL AND REMOTE ANNUNCIATOR
   b. SEND A SUPERVISORY SIGNAL TO CENTRAL OFFICE

F. OPERATION OF A GENERAL TROUBLE i.e.: OPEN ON FIELD WIRING INTERNAL FAULTS WILL:
   a. ACTIVATE LOCAL PIEZO AT THE ALARM PANEL AND REMOTE ANNUNCIATOR AND SHOW ALPHANUMERIC TEXT MESSAGE ON LCD DISPLAYS.
   b. TRANSMIT TROUBLE SIGNAL TO CENTRAL OFFICE VIA CENTRAL OFFICE TRANSMITTER.

THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

PROMESA

PROJECT TITLE:
PROMESA WEST TREMONT RESIDENCE
92 WEST TREMONT AVE.
BRONX, NY 10458

KEY PLAN:

ENGINEERING CONSULTANT:
WEXLER & ASSOC STRUCT ENGR
12 W 32ND STREET \ NEW YORK, NY 10001
TEL: 212.643.1500 \ FAX: 212.268.8960

MEP CONSULTANT:
ABRAHAM JOSELOW, PE, PC
45 W 34TH ST \ NEW YORK, NY 10001
TEL: 212.736.2584 \ FAX: 212.736.2520

NO:	REVISION:	DATE:
4	CONTRACT SET	6/18/2013

DRAWING TITLE:
SPRINKLER/SMOKE DETECTOR ALARM SYSTEM
MATRIX AND NOTES

ARCHITECT:
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OAKLANDER COOGAN & VITTO PC
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DATE: 03/12/2012
JOB #: 09J06
DRAWN BY: jc/aj
SCALE: NONE

DRAWING #:
FA-104.00

APPENDIX D

GENERIC PROCEDURES FOR MANAGEMENT OF UNDERGROUND STORAGE TANKS IDENTIFIED UNDER THE NYC VCP

Addendum 1
Generic Procedures for Management of Underground Storage Tanks Identified Under the NYC BCP

Prior to Tank removal, the following procedures should be followed:

- Remove all fluid to its lowest draw-off point.
- Drain and flush piping into the tank.
- Vacuum out the "tank bottom" consisting of water product and sludge.
- Dig down to the top of the tank and expose the upper half.
- Remove the fill tube and disconnect the fill, gauge, product, vent lines and pumps. Cap and plug open ends of lines.
- Temporarily plug all tank openings, complete the excavation, remove the tank and place it in a secure location.
- Render the tank safe and check the tank atmosphere to ensure that petroleum vapors have been satisfactorily purged from the tank.
- Clean tank or remove to storage yard for cleaning.
- If the tank is to be moved, it must be transported by licensed waste transporter. Plug and cap all holes prior to transport leaving a 1/8 inch vent hole located at the top of the tank during transport.
- After cleaning, the tank must be made acceptable for disposal at a scrap yard, cleaning the tanks interior with a high pressure rinse and cutting the tank in several pieces.

During the tank and pipe line removal, the following field observations should be made and recorded:

- A description and photographic documentation of the tank and pipe line condition (pitting, holes, staining, leak points, evidence of repairs, etc.).
- Examination of the excavation floor and sidewalls for physical evidence of contamination (odor, staining, sheen, etc.).
- Periodic field screening (through bucket return) of the floor and sidewalls of the excavation, with a calibrated photoionization detector (PID).

<u>Impacted Soil Excavation Methods</u>

The excavation of the impacted soil will be performed following the removal of the existing tanks. Soil excavation will be performed in accordance with the procedures described under Section 5.5 of Draft DER-10 as follows:

- A description and photographic documentation of the excavation.
- Examination of the excavation floor and sidewalls for physical evidence of contamination (odor, staining, sheen, etc.).
- Periodic field screening (through bucket return) of the floor and sidewalls of the excavation, with calibrated photoionization detector (PID).

Final excavation depth, length, and width will be determined in the field, and will depend on the horizontal and vertical extent of contaminated soils as indentified through physical examination (PID response, odor, staining, etc.). Collection of verification samples will be performed to evaluate the success of the removal action as specified in this document.

The following procedure will be used for the excavation of impacted soil (as necessary and appropriate):

- Wear appropriate health and safety equipment as outlined in the Health and Safety Plan.

- Prior to excavation, ensure that the area is clear of utility lines or other obstructions. Lay plastic sheeting on the ground next to the area to be excavated.
- Using a rubber-tired backhoe or track mounted excavator, remove overburden soils and stockpile, or dispose of, separate from the impacted soil.
- If additional UST's are discovered, the NYSDEC will be notified and the best course of action to remove the structure should be determined in the field. This may involve the continued trenching around the perimeter to minimize its disturbance.
- If physically contaminated soil is present (e.g., staining, odors, sheen, PID response, etc.) an attempt will be made to remove it, to the extent not limited by the site boundaries or the bedrock surface. If possible, physically impacted soil will be removed using the backhoe or excavator, segregated from clean soils and overburden, and staged on separated dedicated plastic sheeting or live loaded into trucks from the disposal facility. Removal of the impacted soils will continue until visibly clean material is encountered and monitoring instruments indicate that no contaminants are present.
- Excavated soils which are temporarily stockpiled on-site will be covered with tarp material while disposal options are determined. Tarp will be checked on a daily basis and replaced, repaired or adjusted as needed to provide full coverage. The sheeting will be shaped and secured in such a manner as to drain runoff and direct it toward the interior of the property.

Once the site representative and regulatory personnel are satisfied with the removal effort, verification of confirmatory samples will be collected from the excavation in accordance with DER-10.

APPENDIX E

POST REMEDIAL END-POINT SAMPLING LOCATION MAP

WEST TREMONT AVENUE

First Floor Level - Unexcavated Approx. Elev. 99.3

Basement Level - Excavate to Approx. Elev. 87.0

EP-2

EP-3

EP-5

EP-7

Hotspot
Excavate to Approx. Elev. 75.0
(Or Bedrock)

EP-1

Cellar Level - Excavate to Approx. Elev. 76.0

EP-6

EP-4

Terrace Level - Unexcavated Approx. Elev. 79.0

EP-9

Landscape Area
Unexcavated Approx. Elev. 74.0

EP-8

SIDEWALK

WEST 177TH STREET

PROJECT # 2166-06-02-2000

Figure # Appendix E

BCP# 12CBCPO16X

TITLE: Excavation and End Point Sample Location Plan

60 W 177th St &
92 W Tremont Ave.
Bronx, New York

DRAWN BY:	BH
CHECKED BY:	KK
DATE:	12/3/2013
SCALE:	NTS

IMPACT ENVIRONMENTAL

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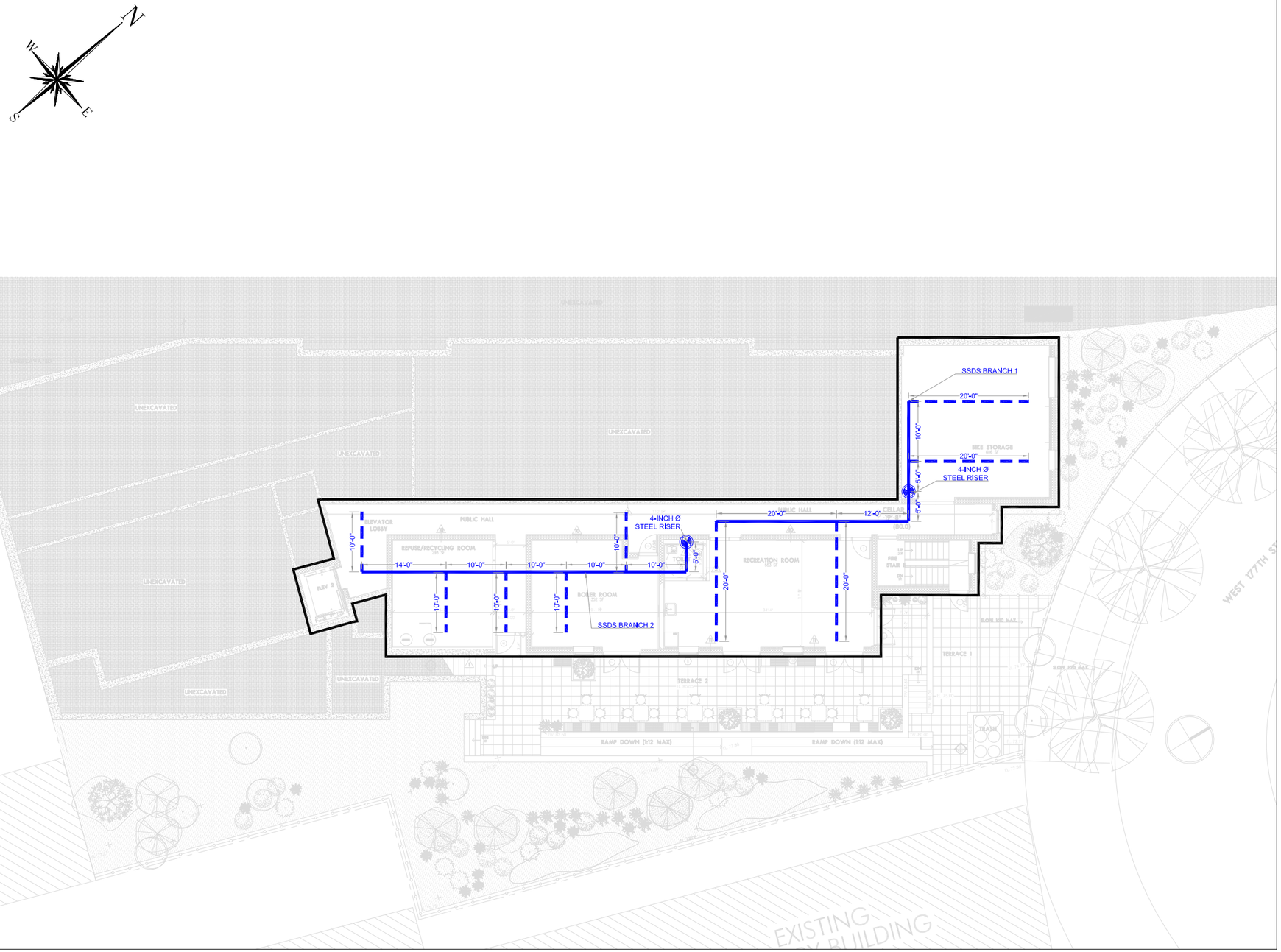
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

1000 PAGE AVENUE
LYNDHURS, NEW JERSEY 07075

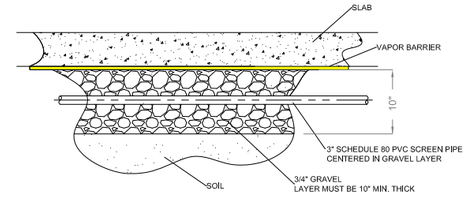
APPENDIX F

SSDS LAYOUT AND DETAILS PLAN, VAPOR BARRIER LAYOUT AND DETAILS PLAN



DEPRESSURIZATION SCREEN PIPING DETAIL

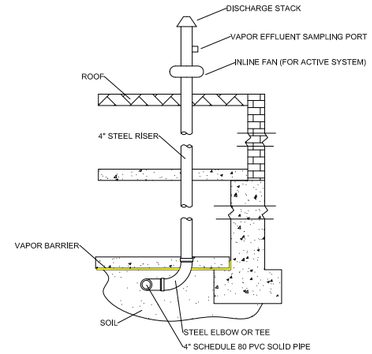
N.T.S.



SYSTEM PIPING AND EXHAUST DETAIL

(INSIDE BUILDING)

N.T.S.



SUB-MEMBRANE DEPRESSURIZATION SYSTEM CONSTRUCTION NOTES:

1. PROPOSED LOCATIONS OF DEPRESSURIZATION SYSTEM RISER PIPES TO BE VERIFIED BY ARCHITECT.
2. PREPARE SUBSOIL AS SPECIFIED BY PROJECT GEOTECHNICAL OR STRUCTURAL ENGINEER, OR IN ACCORDANCE WITH ACI 302.1R-04 SECTION 4.1. PLACE, LEVEL, AND COMPACT GRAVEL BED CONSISTING OF CLEAN 3/4-INCH PEA GRAVEL, OR AN EQUIVALENT APPROVED BY THE DESIGN ENGINEER. GRAVEL TO BE NO MORE THAN 1-INCH IN DIAMETER, WITH NO SHARP AGGREGATE. LEVEL GRAVEL BED TO ELEVATION OF BOTTOM OF PVC PIPING TO BE INSTALLED.
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4. PVC PIPING TO BE NEW, CLEAN SLOTTED SCREEN AND SOLID PIPE. 20-FOOT LENGTHS OF PIPE SHALL BE USED TO THE EXTENT PRACTICABLE. SCREEN TO BE 40-SLOT (0.040 INCH WIDE SLOTS). STEEL RISER PIPE AND FITTINGS FOR THE VERTICAL STACK TO BE PRIMED AND PAINTED WITH WEATHER RESISTENT PAINT. A MINIMUM OF TWO UNIONS SHALL BE INSTALLED ON THE STACK PIPE TO PROVIDE FOR FUTURE MODIFICATION.
5. PLUMBING, PRIMING, GLUING, PAINTING, FASTENING, AND SUPPORTING PVC AND STEEL PIPES, SCREENS, RISERS, AND FITTINGS TO BE CONDUCTED IN ACCORDANCE WITH EXISTING PROJECT PLANS AND SPECIFICATIONS, INDUSTRY STANDARDS, AND MANUFACTURERS INSTRUCTIONS, UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER. THE INSTALLATION SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES.
6. CONTRACTOR SHALL STORE MATERIALS IN A CLEAN AND DRY AREA, AND SHALL PROTECT MATERIALS FROM DAMAGE DURING HANDLING AND INSTALLATION.
7. SAMPLING PORTS SHALL BE INSTALLED AT EACH SEPARATE BRANCH OF THE SSDS FOR TESTING OF THE SYSTEM EFFECTIVENESS.

Legend

- SCH. 80 Ø 3-INCH PVC SCREEN
- SCH. 80 Ø 4-INCH PVC SOLID PIPE
- STEEL RISER

TITLE: Sub-Slab Depressurization System (Cellar Level)

60 W. 177th St. & 92 Tremont Ave.
Bronx, New York

DRAWN BY:	BH
CHECKED BY:	HB
DATE:	12-2-2013
SCALE:	1" = 20'

PROJECT #	2166-06-02-2000
PLATE #	04 A

Note:
SSDS layout based on OCV Architects Cellar (A-101.00), Basement (A-102.00) and First Floor Plan (A-103.00) revision date 6.18.13

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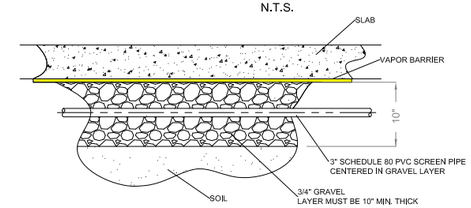
1560 BROADWAY, SUITE 1024
NEW YORK, NEW YORK 10036
TEL (212) 201-7905 FAX (212) 201-7906

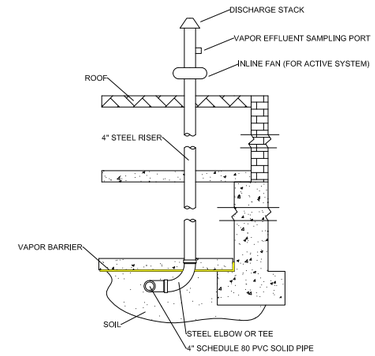
DEPRESSURIZATION SCREEN PIPING DETAIL

N.T.S.



SYSTEM PIPING AND EXHAUST DETAIL
(INSIDE BUILDING)

N.T.S.



SUB-MEMBRANE DEPRESSURIZATION SYSTEM CONSTRUCTION NOTES:

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2. PREPARE SUBSOIL AS SPECIFIED BY PROJECT GEOTECHNICAL OR STRUCTURAL ENGINEER, OR IN ACCORDANCE WITH ACI 302.1R-04 SECTION 4.1. PLACE, LEVEL, AND COMPACT GRAVEL BED CONSISTING OF CLEAN 3/4-INCH PEA GRAVEL, OR AN EQUIVALENT APPROVED BY THE DESIGN ENGINEER. GRAVEL TO BE NO MORE THAN 1-INCH IN DIAMETER, WITH NO SHARP AGGREGATE. LEVEL GRAVEL BED TO ELEVATION OF BOTTOM OF PVC PIPING TO BE INSTALLED.
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Legend

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- SCH. 80 Ø 4-INCH PVC SOLID PIPE
- STEEL RISER

TITLE: Sub-Slab Depressurization System (Basement Level)

60 W. 177th St. & 92 Tremont Ave.
Bronx, New York

DRAWN BY:	BH
CHECKED BY:	HB
DATE:	12-2-2013
SCALE:	1" = 20'

PROJECT #	2166-06-02-2000
PLATE #	04 B

Note:
SSDS layout based on OCV Architects Cellar (A-101.00), Basement (A-102.00) and First Floor Plan (A-103.00) revision date 6.18.13

IMPACT ENVIRONMENTAL
170 KEYLAND COURT
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1560 BROADWAY, SUITE 1024
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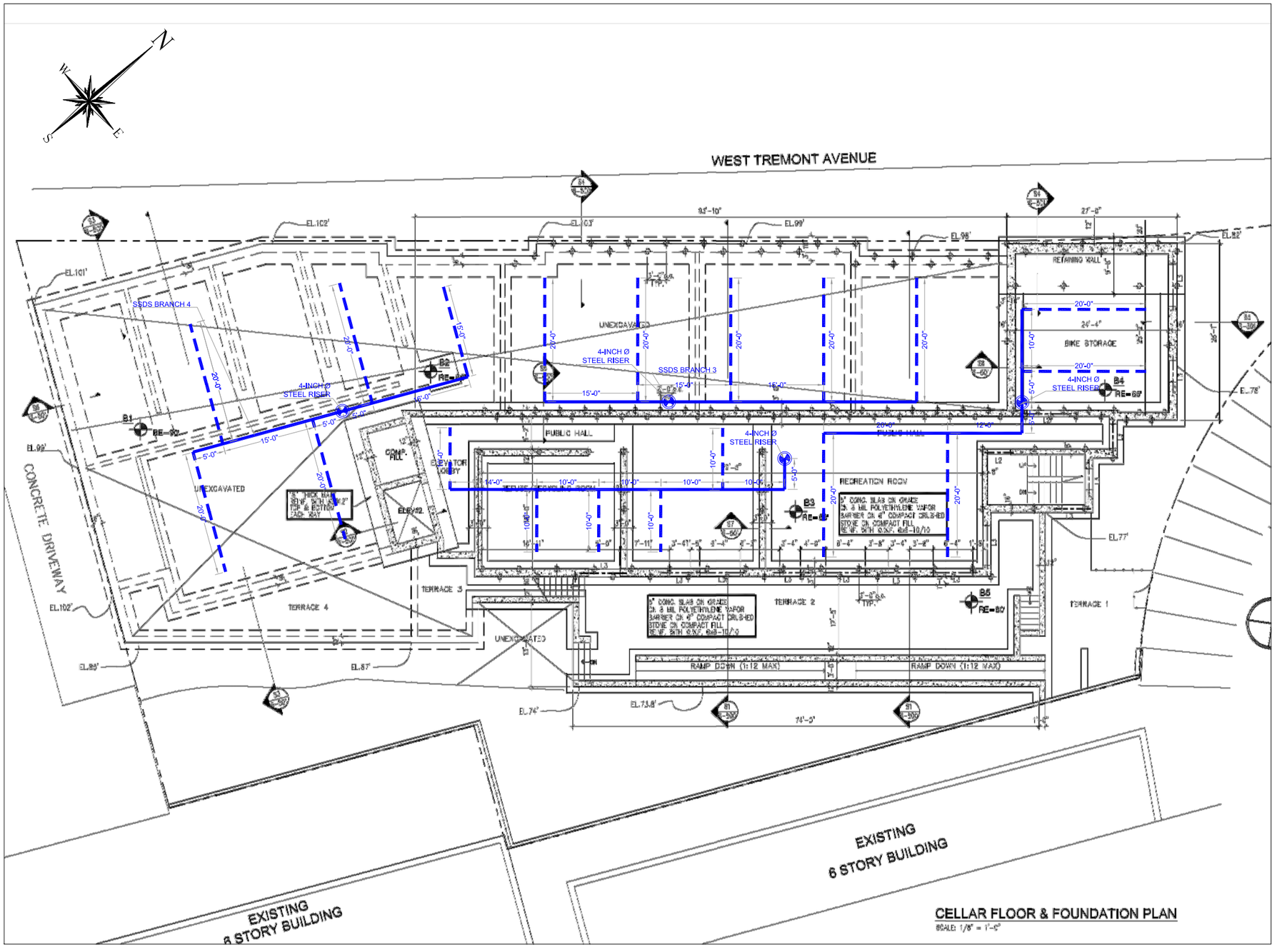
TEL (212) 201-7905 FAX (212) 201-7906

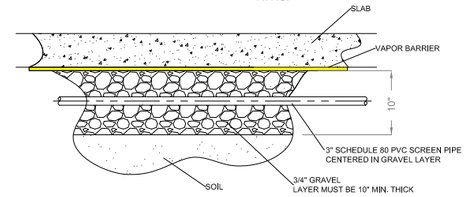


CELLAR FLOOR & FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

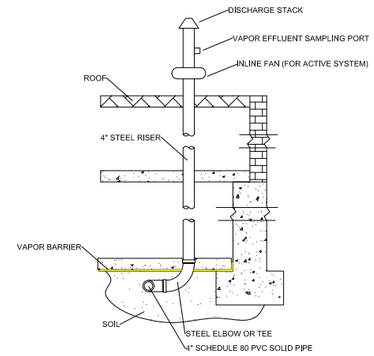
DEPRESSURIZATION SCREEN PIPING DETAIL

N.T.S.



SYSTEM PIPING AND EXHAUST DETAIL (INSIDE BUILDING)

N.T.S.



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5. PLUMBING, PRIMING, GLUING, PAINTING, FASTENING, AND SUPPORTING PVC AND STEEL PIPES, SCREENS, RISERS, AND FITTINGS TO BE CONDUCTED IN ACCORDANCE WITH EXISTING PROJECT PLANS AND SPECIFICATIONS, INDUSTRY STANDARDS, AND MANUFACTURERS INSTRUCTIONS, UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER. THE INSTALLATION SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES.
6. CONTRACTOR SHALL STORE MATERIALS IN A CLEAN AND DRY AREA, AND SHALL PROTECT MATERIALS FROM DAMAGE DURING HANDLING AND INSTALLATION.
7. SAMPLING PORTS SHALL BE INSTALLED AT EACH SEPARATE BRANCH OF THE SSDS FOR TESTING OF THE SYSTEM EFFECTIVENESS.

Legend

- SCH. 80 Ø 3-INCH PVC SCREEN
- SCH. 80 Ø 4-INCH PVC SOLID PIPE
- STEEL RISER

TITLE: Sub-Slab Depressurization System (Foundation Plan Overlay)

60 W. 177th St. & 92 Tremont Ave.
Bronx, New York

DRAWN BY:	BH
CHECKED BY:	HB
DATE:	12-2-2013
SCALE:	NTS

PROJECT #	2166-06-02-2000
PLATE #	04 C

Note:
SSDS layout based on OCV Architects Cellar (A-101.00), Basement (A-102.00) and First Floor Plan (A-103.00) revision date 6.18.13

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1560 BROADWAY, SUITE 1024
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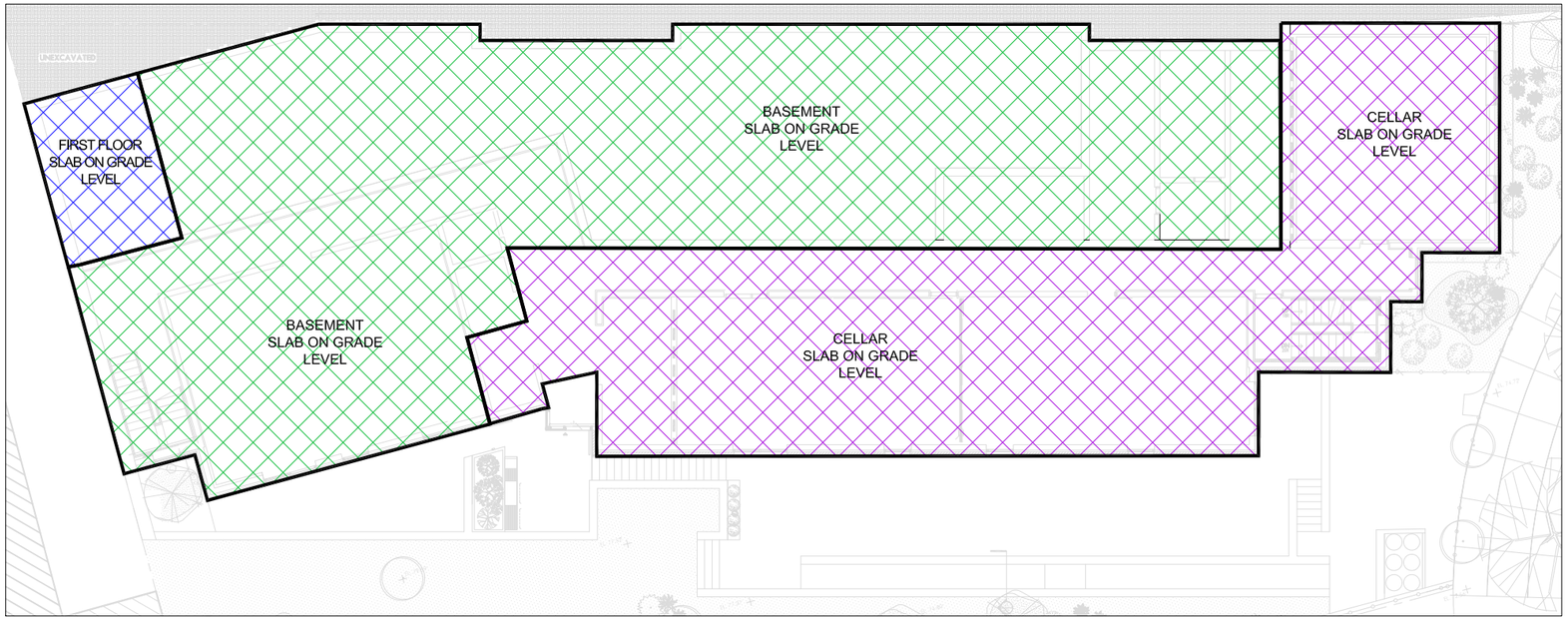


VAPOR BARRIER CONSTRUCTION NOTES:

1. Vapor barrier membrane to be approved by the project design engineer. Membrane shall at a minimum be a Class A Vapor Barrier (ASTM E 1745) and with a minimum thickness of 20 mils, unless otherwise approved by design engineer. In no case shall membrane contain recycled plastic product or have a permeance of greater than 0.04 Perms.

2. Vapor barrier materials to be stored in a clean, dry area or per manufacturer's instructions. Materials to be protected during handling and installation to prevent damage.

3. Prepare subsoil as specified by project architect, geotechnical engineer or structural engineer, or in accordance with ACI 302.1R-04 Section 4.1 Install vapor retarder membrane over leveled and compacted ¾" 2B pea gravel, or an equivalent approved by design engineer. Do not begin installation until unacceptable conditions have been corrected.

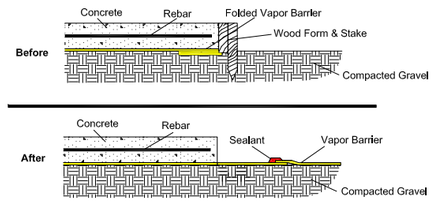
4. Installation shall be in accordance with manufacturer's instructions, ASTM E 1643-98 (2005), best industry practices, and all applicable federal, state, and local codes. Membrane to be unrolled with the longest dimension parallel to the direction of the pour. Succeeding sheets should be accurately positioned to overlap the adjacent sheet by a minimum of 6 inches. Lap membrane over footings and seal to foundation wall. Ensure there are no discontinuities in vapor retarder at seams and penetrations. Laps to be sealed with double-sided asphaltic tape, mastic or equivalent sealant with permeance of 0.3 perms or less approved by the design engineer. Ensure membrane surfaces to receive sealant are clean and dry.

5. Protect membrane from damage during installation of reinforcing steel and utilities, and during placement of concrete slab.

6. No penetrations shall be made except for reinforcing steel, foundations/pile caps, and permanent utilities. Vapor barrier to be inspected for holes or other damage. Small holes to be patched with mastic or approved equivalent, or per manufacturer's instructions. Larger holes to be patched with additional cut-out sections of membrane and sealed on all four sides, or per manufacturer's instructions. All allowed penetrations shall be sealed per manufacturer's instructions. Design engineer must be allowed to inspect final installation prior to pouring slab with sufficient lead-time for the contractor to implement required changes.

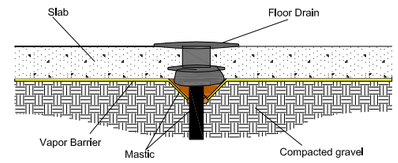
7. Place concrete within 30 days of vapor barrier installation.

Construction Joint Application for Large Slabs Placed in Stages



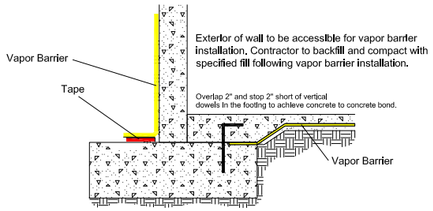
NOT TO SCALE

Membrane Interaction with Floor Drain



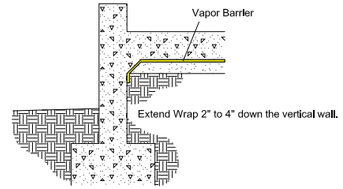
NOT TO SCALE

Membrane Termination Onto Footing just Short of Rebar Dowels



NOT TO SCALE

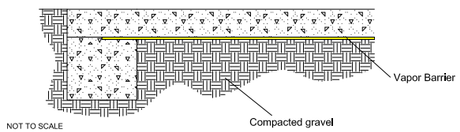
MembraneTermination Onto Below Slab Wall Footing



NOT TO SCALE

Membrane Termination Between Footer and Slab Needing Concrete Bond

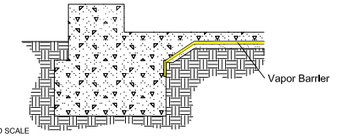
*Overlap the vapor barrier as far as necessary to ensure that it remains sandwiched between the slab and footer during construction, but not so far that it prohibits adequate bonding of concrete to concrete.



NOT TO SCALE

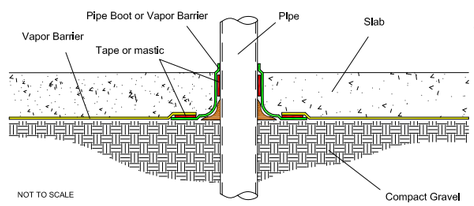
Membrane Termination Onto Exterior Wall Footing

Lap membrane down the vertical face of the footing 2" to 4"



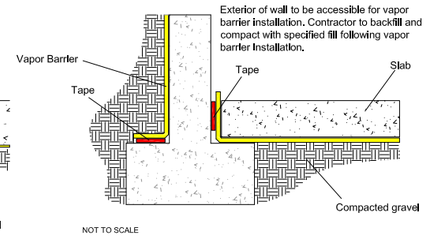
NOT TO SCALE

Membrane Interaction with Pipe Penetration



NOT TO SCALE

MembraneTermination Onto Outside Cellar Wall Footing



NOT TO SCALE

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TEL (212) 201-7905 FAX (212) 201-7906

TITLE: Vapor Barrier Installation Plan

60 W. 177th St. & 92 Tremont Ave.
Bronx, New York

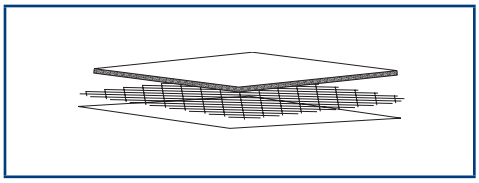
DRAWN BY:	BH
CHECKED BY:	KK
DATE:	7-8-2013
SCALE:	1" = 20'

PROJECT #	2166-06-02-2000
PLATE #	05

Note:
Vapor barrier layout based on OCV Architects Cellar (A-101.00), Basement (A-102.00) and First Floor Plan (A-103.00) revision date 6.18.13

Legend

20 MIL REINFORCED



Griffolyn® 20 Mil Reinforced is a multiply laminate combining U.V. stabilized film with a high strength cord grid. It is specifically engineered to provide high strength and durability in a lightweight material.

PHYSICAL PROPERTIES AND TYPICAL VALUES

PROPERTY	ASTM TEST METHOD	U.S. VALUE	METRIC VALUE
Weight	D-751	93 LB/1000 FT^2	45 KG/100 M^2
3" Load @ Yield	D-882	130 LBF	578 N
3" Elongation @ Break	D-882	400 %	400 %
Tongue Tear	D-2261	39 LBF	173 N
Trapezoidal Tear	D-4533	55 LBF	245 N
Permeance	E-96	0.014 Grain/Hr•Ft^2•in.Hg	0.80 NG/(PA•S•M^2)

FEATURES

AVAILABLE COLORS:
White

Custom sizes up to 100' x 200' and custom fabrication are avaiable to meet your exact specifications.

USABLE TEMPERATURE RANGE:
Minimum: -40˚F -40˚C
Maximum: 170˚F 77˚C

MADE IN U. S. A.

The information provided herein is based upon data believed to be reliable. All testing is performed in accordance with ASTM standards and procedures. All values are typical and nominal and do not represent either minimum or maximum performance of the product. Although the information is accurate to the best of our knowledge and belief, no representation of warranty or guarantee is made as to the suitability or completeness of such information. Likewise, no representation of warranty or guarantee, expressed or implied, or merchantability, fitness or otherwise, is made as to product application for a particular use.

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APPENDIX G

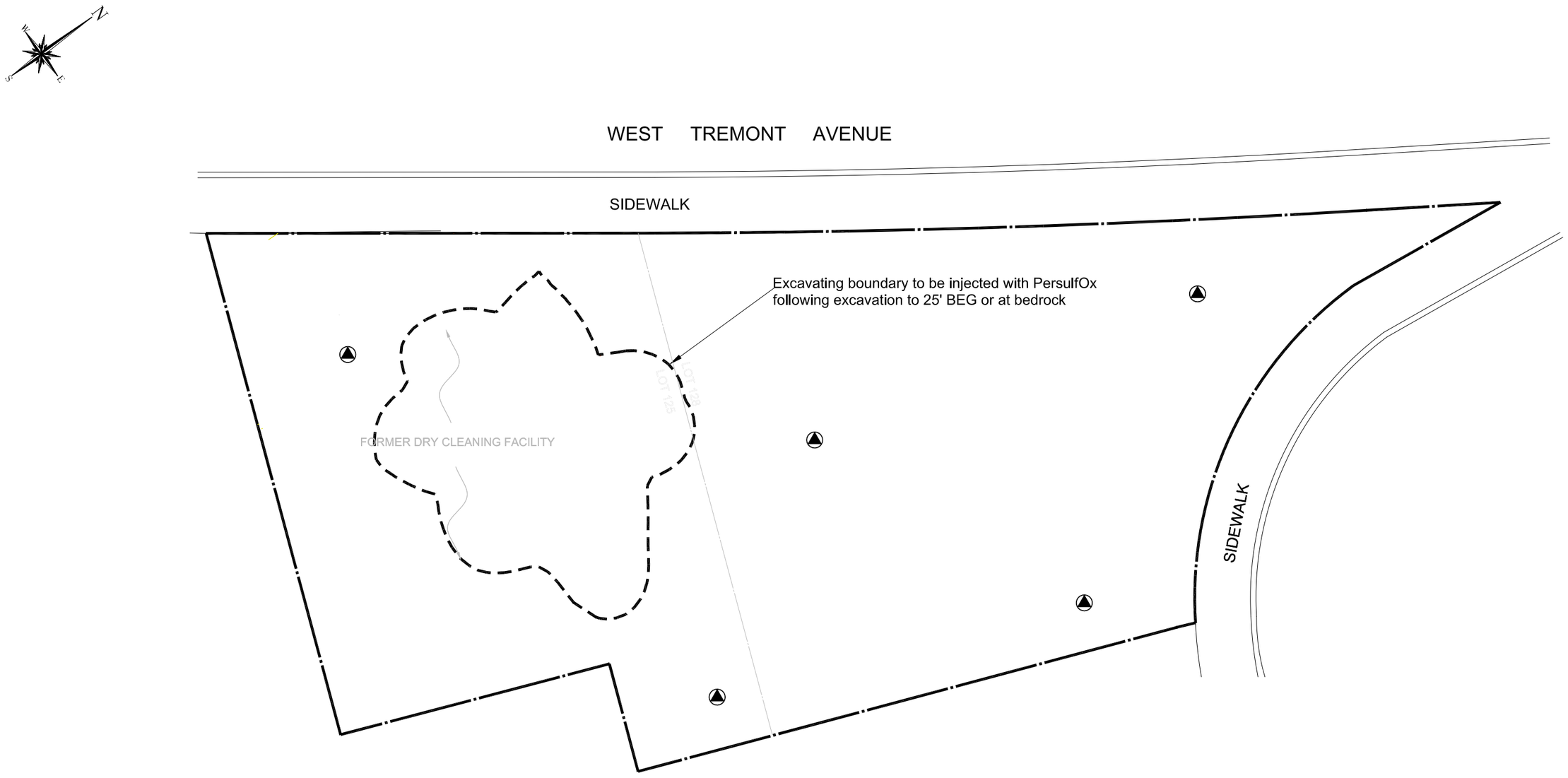
UPDATED PROJECT SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER.

Schedule Milestone	Proposed Start	Duration (weeks)
Fact Sheet 2 announcing start of remedy	August 2013	-
Mobilization	August 2013	1
Remedial Excavation	September 2013	5
Demobilization	January 2014	1
Record Declaration of Covenants and Restrictions	March 2014	1
Submit Remedial Action Report	April 2014	4

APPENDIX H

IN SITU CHEMICAL OXIDATION APPLICATION PLAN



Legend

▲ Groundwater monitoring wells will be utilized as PersulfOx injection points prior to the excavation activites

Scale in Feet
10 5 0 10 20

PROJECT # 2166-06-02-2001

BCP# 12CBCPO16X

TITLE: Map of ISCO Injection Locations

60 W 177th St &
92 W Tremont Ave.
Bronx, New York

DRAWN BY:	JC
CHECKED BY:	KK
DATE:	06/22/2011

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LYNDHURST, NJ 07071

APPENDIX I

UPDATED SUMMARY OF REMEDY

Appendix I
Updated Summary of the Remedy

1. Preparation of a Community Protection Statement and performance of all required NYC BCP citizen participation activities according to an approved Citizen Participation Plan (CPP).

2. Establish Track 2 Restricted Residential Soil Cleanup Objectives (SCOs).

3. Excavation and removal of soil/fill exceeding Track 2 Restricted Residential SCOs. Approximately 5,000 tons of soil will be removed. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with all Federal, State and City laws and regulations for handling, transport, and disposal.

4. If Track 2 Restricted Residential SCOs are not achieved the following site-specific Track 4 SCOs will be used:

Contaminant	**Track 4 SCOs**
Barium	750 ppm
Cadmium	9.0 ppm
Lead	800 ppm
Mercury	1.5 ppm

5. In the hotspot area of excavation at the site, PersulfOx will be applied to the bottom of excavation (which is 25 feet below existing grade (BEG) or to the top of bedrock. A map showing the areas of PersulfOx application is shown in Appendix H. Additionally, prior to the initiation of the excavation activities, PersulfOx will be injected into the groundwater utilizing the current on-site groundwater monitoring well network.

6. Soil and fill that is derived from the property that meets the soil cleanup objectives established in this plan may be reused on-Site. The soil cleanup objectives for on-Site reuse are Track 2 Restricted Residential. 'Reuse on-Site' means material that is excavated during the remedy or development, does not leave the property, and is relocated within the same property and on comparable soil/fill material, and addressed pursuant to the NYC VCP agreement subject to Engineering and Institutional Controls and the RAWP Appendix 3. The placement locations of reused material will be reported in the Remedial Action Report (RAR).

7. After completion of hotspot removal and any other invasive remedial activities, and prior to backfilling, the top of the residual soil/fill within the footprint of the new building will be defined by a land survey or cross section plans showing depths/elevations of the residual soil/fill. A highly visible demarcation layer, such as construction fencing, shall be placed at the bottom of excavation within landscaped areas prior to backfill with 2-feet of clean cover soil. A map showing the method of demarcation for the Site and all associated documentation will be presented in the RAR. The demarcation will constitute the top of the site management horizon. Materials within this horizon require adherence to special conditions during future invasive activities as defined in the Site Management Plan.

8. A composite cover will be built over the entire site and will consist either of the structures such as buildings, pavement, sidewalks comprising the site development and a soil cover in open space areas. The soil cover will be a minimum of two feet of clean soil, meeting the SCOs for cover material as set forth in 6 NYCRR Part 375-6.7(d) for restricted residential use.

9. Collection and analysis of end-point samples to evaluate the performance of the remedy with respect to attainment of SCOs. A map of the end-point sample location is included in Appendix E.

10. Installation of a vapor barrier membrane system beneath entire building slab and the side walls.

11. Installation and operation of an active sub slab depressurization system (SSDS).

12. Effectiveness of the SSDS will be confirmed by post remediation monitoring through vent testing.

Sampling ports will be installed at each separate SSDS branch at the basement level from which sampling canisters will be connected during the SSDS testing. Samples will be submitted to a certified lab for TO-05 (2-hr) analysis. Results will be reported in the Remedial Action Report.

13. Performance of Community Air Monitoring Program for particulates and volatile organic carbon compounds.

14. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.

15. Implementation of storm-water pollution prevention measures.

16. Performance of all activities associated with the remedial action, including permitting requirements and pretreatment requirements, will be addressed in accordance with all applicable Federal, State and City laws and regulations.

17. Sampling and analysis of excavated media as required by disposal facilities.

18. Removal of all Underground Storage Tanks, if any, and closure of petroleum spills, if any, under authority of New York State Department of Environmental Conservation.

19. Screening for indications of contamination (by visual means, odor, and monitoring with a photo-ionization detector (PID)) of excavated soil/fill during all intrusive work.

20. Establishment in a recorded Declaration of Covenants and Restrictions, a series of Institutional Controls on the Site, including: (1) compliance with the provisions of the recorded Declaration of Covenants and Restrictions; (2) compliance with provisions of the approved Site Management Plan; (3) operation and maintenance of Engineering Controls as specified in the Site Management Plan; (4) inspection and certification of all Engineering Controls at a frequency and in a manner defined in the Site Management Plan; (5) reporting at a frequency and in a manner defined in the Site Management Plan; and (6) prohibition of discontinuation of Engineering Controls without an OER-approved amendment or extinguishment of the Declaration of Covenants and Restrictions.

21. Establishment in a recorded Declaration of Covenants and Restrictions, a series of site restriction Institutional Controls on the Site, including: (1) prohibition of vegetable gardening and farming; (2) prohibition of the use of groundwater without treatment rendering it safe for the intended use; (3) prohibition on all disturbance of residual contaminated material unless it is conducted in accordance with the provisions in the Site Management Plan; and (4) prohibition on higher level of land usage without an OER-approved amendment or extinguishment of this Declaration of Covenants and Restrictions.

22. Submission of a RAR which describes the remedial activities including any changes from this RAWP, certifies that the remedial requirements have or will be achieved, defines the Site boundaries, and describes any Engineering and Institutional Controls to be implemented at the Site.

23. Submission of an approved Site Management Plan in the Remedial Action Report for long-term management of residual contamination, including plans for Institutional and Engineering Controls for: (1) inspection and certification, (2) monitoring, (3) operation and maintenance, and (4) reporting.