

BRIGHTON GREEN
BROOKLYN, NEW YORK

Remedial Action Work Plan

NYC BCP Number: 12CBCP018K

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REMEDIAL ACTION WORK PLAN

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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, Scott A. Yanuck am a Qualified Environmental Professional as defined in §43-140. I have primary direct responsibility for implementation of the remedial action for the Brighton Green Site.

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.

Richard D. Galli

Name

59461

NYS PE License Number

Richard D Galli

Signature

8-15-11

Date



Scott A. Yanuck.

QEP Name

Scott A Yanuck

QEP Signature

August 15, 2011

Date

EXECUTIVE SUMMARY

Scarano Realty, LLC has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 2,178-square foot site located at 67 Brighton 1st Lane in Brooklyn, New York. A remedial investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP). The remedial action described in this document provides for the protection of public health and the environment consistent with the intended property use, complies with applicable environmental standards, criteria and guidance and conforms with applicable laws and regulations.

Site Location and Current Usage

The Site is located at 67 Brighton 1 Lane in the Brighton Beach section in Brooklyn, New York and is identified as Block 8670 and Lot 80 on the New York City Tax Map. Figure 1.0 shows the Site location. The Site is 2,025-square feet in area and is bounded by homes to the north, Brighton 1 Lane to the south, a home to the east, and a multi-story building under construction to the west. A map of the site boundary is shown in Figure 2.0. Currently, the Site is vacant and is undeveloped, with evidence of construction debris mixed in soils at the site.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a high performance six-story, six-family residential building with an entrance lobby, community facility office, bicycle storage and utilities on the first floor, apartments on Floors 2 – 6 with a communal roof terrace. The building will have 5,800 square feet of residential space and 1,200 square feet of community facility office. Layout of the proposed site development is presented in Figures 3.0 through 3.8. The building, which will cover the entire lot, will be constructed to attain LEED Platinum Status. Storage tanks for geothermal heat, gray water and drainage will be placed below the highly insulated slab of the building. Estimated maximum excavation depth for construction is 6 feet under the elevator and 3 feet under the remainder of the building. Groundwater was encountered at 6.5 feet below grade, so excavation into the water table is not expected. The current zoning designation is R6 residential. The proposed use is consistent with existing zoning for the property.

Summary of the Remedy

The proposed remedial action achieves protection of public health and the environment for the intended use of the property. The proposed remedial action achieves all of the remedial action objectives established for the project and addresses applicable standards, criterion, and guidance; is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants; is cost effective and implementable; and uses standards methods that are well established in the industry. The proposed remedial action will consist of:

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 1 Soil Cleanup Objectives (SCOs). Excavation and removal of soil/fill exceeding SCOs.
3. Collection and analysis of end-point samples to determine the performance of the remedy with respect to attainment of SCOs.
4. Where applicable, removal of underground storage tanks and closure of petroleum spills in compliance with applicable local, State and Federal laws and regulations.
5. Installation of a vapor barrier system beneath the building slab.
6. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.
7. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite.
8. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID.
9. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.

10. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.
11. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.
12. Submission of a RAR that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, and describes all Engineering and Institutional Controls to be implemented at the Site, and lists any changes from this RAWP.
13. If Track 1 is not achieved, a Site Management Plan will be prepared to manage residual contamination, and deed restrictions will be placed on the property.

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 Scott A. Yanuck and can be reached at 1-631-673-0612

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, Scott A. Yanuck at 1-631-673-0612 or NYC Office of Environmental Remediation Project Manager Breanna Gribble at 212-442-7126 or by email at Bgribble@dep.nyc.gov .

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 Scott A. Yanuck at 1-631-673-0612, the NYC Office of Environmental Remediation Project Manager Breanna Gribble at 212-442-7126, 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 Coney Island Library, 1901 Mermaid Ave. (Near W. 19th St.), Brooklyn, NY 11224, 718-265-3220 and at OER's website in document repository section at www.nyc.gov/oer .

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.

REMEDIAL ACTION WORK PLAN

1.0 SITE BACKGROUND

Scarano Realty, LLC has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 0.05-acre site located at 67 Brighton 1st Lane in the Brighton Beach section of Brooklyn, 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 alternative 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 67 Brighton 1 Lane in the Brighton Beach section in Brooklyn, New York and is identified as Block 8670 and Lot 80 on the New York City Tax Map. Figure 1.0 shows the Site location. The Site is 2,025 -square feet in area and is bounded by homes to the north, Brighton 1 Lane to the south, a home to the east, and a multi-story building under construction to the west. A map of the site boundary is shown in Figure 2.0. Currently, the Site is vacant and is undeveloped, with evidence of construction debris mixed in soils at the site.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Site will consist of a high performance six-story, six-family residential building with an entrance lobby, community facility office, bicycle storage and utilities on the first floor, apartments on Floors 2 – 6 with a communal roof terrace. The building will have 5,800 square feet of residential space and 1,200 square feet of community facility office, with no basement present at the property. Layout of the proposed site development is

presented in Figures 3.0 through 3.8. The building, which will cover the entire lot, will be constructed to attain LEED Platinum Status. Storage tanks for geothermal heat, gray water and drainage will be placed below the highly insulated slab of the building. Estimated maximum excavation depth for construction is 6 feet under the elevator and 3 feet under the remainder of the building. Groundwater was encountered at 6.5 feet below grade, so excavation into the water table is not expected. The current zoning designation is R6 residential. The proposed use is consistent with existing zoning for the property.

The remedial action contemplated under this RAWP may be implemented independently of the proposed redevelopment plan.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The property lies within a residential neighborhood, with mostly small one and two story single and two-family homes. Commercial buildings are located to the south, primarily along Brighton Beach Avenue. A large condominium building is located on the west side of Brighton 1 Street and there are two buildings currently under construction to the west of the property, which will likely be mixed use. There are no sensitive receptors, such as schools, playgrounds, hospitals or day care centers within a 500 foot radius of the site.

Figure 3.0 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, Brighton Green*”, dated July, 2011 (RIR).

Summary of Past Uses of Site and Areas of Concern

The property had been on the outer edge of a horse racing track from the late 1800’s to the early 1900’s. A residential dwelling occupied the site since the development of the lot in the 1920’s. The AOCs identified for this site include consist of historic fill and possible heating oil usage at the site.

Summary of the Work Performed under the Remedial Investigation

LEA on behalf of its client, Scarano Realty, LLC, performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Conducted a geophysical survey of the site;
3. Installed four soil borings across the entire project Site, sampling from zero to a maximum of ten feet below grade, and collected seven soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed one groundwater monitoring well throughout the Site and collected one groundwater sample for chemical analysis to evaluate groundwater quality;
5. Installed three soil vapor probes around Site perimeter and collected three samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from 8.5 to 9 feet above sea level.
2. Depth to groundwater ranges from 6 to 6.5 feet at the Site.
3. Groundwater is presumed to flow is generally from north to south beneath the Site.
4. Depth to bedrock is approximately 1,300 feet at the Site.
5. The stratigraphy of the site, from the surface down, consists of 120 the Upper Glacial aquifer underlain by 50 feet of Gardiners Clay, underlain by 40 feet of the Jameco aquifer, underlain by 600 feet of Magothy aquifer, underlain by 200 feet of the Raritan confining unit, underlain by 300 feet of the Lloyd aquifer
6. Soil/fill samples collected during the RI showed five metals with contamination exceeding Track 1 SCOs. Of these, barium, lead, copper and cadmium also exceeded Track 2 Restricted Residential SCOs. All Track 2 metals exceedances were limited shallow (0-2 foot) samples. With the exception of lead in one sample, all deeper soil samples (6-10 feet) achieved Track 1. SVOCs, VOCs, and PCBs were all below Track 1 SCOs. Soils from 0 to roughly 6 feet depths contained historic fill comprised of fill, ash, coal, and construction debris.

7. Groundwater samples collected during the RI did not detect VOCs, SVOCs or PCBs. Detected metals did not exceed TOGS 1.1.1 Class GA Guidance Values in the one unfiltered sample.
8. Soil vapor samples collected during the RI showed a wide variety of VOCs, consisting mainly of BTEX and associated compounds at concentrations generally below $75 \mu\text{m}^3$. These compounds are most commonly associated with a spill of automotive fuel. The presence of MTBE and ethanol in vapor suggest a relatively recent spill. Past uses of the property do not indicate automotive fueling activities or other automotive fuel sources. Soil samples do not contain any VOCs in either shallow or deep soil samples. Groundwater did not detect any VOCs. Together, these observations suggest an offsite source area. TCE is identified in one sample at $3.2 \mu\text{g}/\text{m}^3$ and PCE is identified all three samples but only one above $1 \mu\text{g}/\text{m}^3$ ($8.6 \mu\text{g}/\text{m}^3$). Similar to BTEX compounds, PCE and TCE were not detected onsite and past uses of the property do not suggest the potential for onsite source areas. While no standards exist for soil vapor, no compounds exceed the Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Final November 2006).

For more detailed results, consult the RIR. Based on an evaluation of the data and information from the RIR and this RAWP, disposal 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:

Soil

- Prevent direct contact with contaminated soil.
- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

- Prevent exposure to contaminants in soil vapor

3.0 REMEDIAL ALTERNATIVES ANALYSIS

The following remedial action alternatives were considered under this program:

Track 1 remediation; removal of all contaminated fill and soil to meet Track 1 SCOs

Track 4 remediation; establishment of site specific SCOs and removal of soil in excess of these SCOs , implementation of engineering and institutional controls including a site cover to eliminate direct exposure to residual soils, a deed restriction and site management plan for management of residual material.

Both remedial alternatives include the use of a soil vapor barrier to protect occupants against the migration of offsite soil vapors into the dwellings.

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.

Track 1 remediation is most protective of public health and the environment by removing the contaminants from the site and providing protection against vapor intrusion through the use of a vapor barrier. The Track 4 alternative establishes site specific SCOs that are protective of public health and the environment for the proposed use but requires long term management of residual materials through implementation of engineering and institutional controls including a site cover, a deed notice and a site management plan.

3.2. BALANCING CRITERIA

Compliance with Standards, Criteria and Guidance (SCGs)

Both alternatives will be in compliance with their respective SCGs.

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.

Both alternatives have similar short term effectiveness and effects on public health and the environment during implementation of the remedial action, as each requires excavation (excavation to 3 feet would be necessary even under Track 4 to construct the building foundation and buried storage tanks for geothermal, gray water and drainage. Short term impacts are likely to be higher for the Track 1 alternative due to excavation of greater amounts of historical fill material. 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 and any differences between these alternatives.

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.

Track 1 alternative is a permanent remedy and allows the property to be used for any purpose without restrictions. The Track 4 alternative is also effective but requires engineering and institutional controls and adherence to site management plan to maintain permanent protections. Both alternatives address offsite soil vapor intrusion through the installation of a soil vapor barrier.

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 provides the greatest reduction in toxicity, mobility or volume of contaminated material because all soils in excess of Track 1 Unrestricted SCOs are permanently removed from the property. The Track 4 alternative removes about half of the historical fill material and manages the residual soils through cover and adherence to a site management plan. Placement of a concrete cover over the entire Site will lower toxicity by eliminating potential contact with remaining soil above Track 1 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 protective levels of toxicity and mobility will continue in perpetuity. Both alternatives address offsite soil vapor intrusion through the installation of a soil vapor barrier.

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.

Both alternatives are readily implementable and utilize standard methods that are commonly available and routinely applied by the industry. They use standard materials and services and well established technology. The reliability of each remedy is also high. There are no special difficulties associated with any of the activities proposed.

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 combined Track 4 alternative in that a higher volume of soil/fill will be excavated for off-site disposal to achieve a Track 1 status over the entire site. In both cases, appropriate public health and environmental protections are achieved. Track 1 remediation will involve removal of roughly twice the quantity of soil compared to the Track 4 remedial action and will have a proportionally higher cost. However, long-term costs for site management are eliminated for the Track 1 alternative and would be required for the Track 4 alternative.

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 reduces 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 for the Site are 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.

Both alternatives provide protection of public health and the environment for both the proposed use of the Site. Both alternatives provide a remedial action that is beneficial to the surrounding community and is consistent with the goals of the City for remediating and redeveloping brownfield sites.

Both 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 commercial property and both alternatives provide comprehensive protection of public health and the environment for these uses. Improvements in the current brownfield

condition of the property achieved by both alternatives are also consistent with the City's goals for cleanup of contaminated land and bringing such properties into productive reuse. Both alternatives are equally protective of natural resources and cultural resources. This RAWP will be subject to undergo 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.

Track 1 remediation will use the most fuel and produce the most greenhouse gasses, as it will have the largest volume of material to truck off site, followed by Track 2. Track 4 requires no removal of contaminated soil that would not otherwise be removed for construction. Both remedial alternatives are comparable with respect to the opportunity to achieve other sustainable remedial action elements.

4.0 REMEDIAL ACTION

4.1 Summary of Preferred Remedial Action

The preferred remedial action alternative is the Track 1 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 proposed remedial action will consist of:

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).
1. Perform a Community Air Monitoring Program for particulates and volatile organic compounds.
2. Establish Track 1 Soil Cleanup Objectives (SCOs). Excavation and removal of soil/fill exceeding SCOs.
3. Collection and analysis of end-point samples to determine the performance of the remedy with respect to attainment of SCOs/SCGs.
4. If applicable, removal of USTs and closure of petroleum spills in compliance with applicable local, State and Federal laws and regulations.
5. Installation of a vapor barrier system beneath the building slab.
6. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.
7. Transportation and off-Site disposal of all soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal,

and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite.

8. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID.
9. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.
10. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.
11. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.
12. Submission of a RAR that describes the remedial activities certifies that the remedial requirements have been achieved, defines the Site boundaries, and describes all Engineering and Institutional Controls to be implemented at the Site, and lists any changes from this RAWP.
13. If Track 1 is not achieved, a Site Management Plan will be prepared to manage residual contamination, and deed restrictions will be placed on the property.

4.2 SOIL CLEANUP OBJECTIVES AND SOIL/FILL MANAGEMENT

Track 1 Soil Cleanup Objectives (SCOs) are proposed for this project. The SCOs for this Site are listed in Table 4. Soil and materials management on-Site and off-Site, including excavation, handling and disposal, will be conducted in accordance with the Soil/Materials Management Plan in Appendix 3. The location of planned excavations is shown in Figure 6.0.

Discrete contaminant sources (such as hotspots) identified during the remedial action will be identified by GPS or surveyed. This information will be provided 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 675 tons.

The proposed disposal locations for Site-derived impacted materials are listed below. Additional disposal locations established at a later date will be reported promptly to the OER Project Manager.

Disposal facilities will be reported to OER when they are identified and prior to the start of remedial action.

<u>Disposal Facility</u>	<u>Waste Type</u>	<u>Estimated Quantities</u>
Permitted facility to be named	Historic Fill	675 tons

End-Point Sampling

Removal actions under this plan will be performed in conjunction with remedial end-point sampling. End-point sampling frequency will consist of the following:

- *In situ* sampling was completed at this site, finding clean soil at 6' to 6.5' below grade at all locations except SB-3 and SB-3A. Clean soil was encountered at 8' below grade at SB-3.

- Endpoint sampling will be completed at two locations roughly within the confines of excavations around SB-3 and SB3A.
- Analysis of endpoint samples will be limited to Lead, Volatile Organic Compounds and Semi-Volatile Organic Compounds.

Post remediation soil samples for laboratory analysis will be taken immediately after contaminated soil removal. If the excavation is enlarged horizontally, additional soil samples will be taken pursuant to the above.

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.

New York State ELAP certified labs will be used for all end-point sample analyses. Labs for end-point sample analyses will be reported in the RAR. The RAR will provide a tabular and map summary of all end-point sample results and will include all data including non-detects and applicable standards and/or guidance values. End-point samples will be analyzed for trigger analytes (those for which SCO exceedance is identified) utilizing the following methodology:

Soil analytical methods will include:

- Volatile organic compounds by EPA Method 8260;
- PAH Semi-volatile organic compounds by EPA Method 8270;
- Total Lead

If either LNAPL and/or DNAPL are detected, appropriate samples will be collected for characterization and “finger print analysis” and required regulatory reporting (i.e. spills hotline) will be performed.

Quality Assurance/Quality Control

One duplicate sample and field and lab blank samples will be analyzed to assess sampling and lab artifacts. Chemical analytical laboratory(s) used are NYS ELAP certified and were Long Island Analytical Laboratories (1070504) for soil and groundwater and Con-Test Laboratories (10899) for soil vapor.

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 525 tons. The estimated quantity of onsite soil/fill expected to be reused/relocated on Site is 0 tons.

4.3 ENGINEERING CONTROLS

- Engineering Controls were employed in the remedial action to address residual contamination remaining at the site. The Site has one primary Engineering Control Systems. This is:
 - soil vapor barrier.

The vapor barrier system design and installation will include the following:

- W.R. Grace Preprufe 300R soil vapor retarder system under building slab and on the outside of foundation walls;
- Stamped design drawings detailing installation will be submitted to OER prior to construction.

See Appendices for additional information including design drawings and diagrams and manufacturer documentation.

4.4 INSTITUTIONAL CONTROLS

No Institutional Controls (IC) are required for this remedial action, as Track 1 SCOs will be met during remediation. The Site will be used for residential use and will not be used for a higher level of use without prior approval by OER.

4.5 SITE MANAGEMENT PLAN

Since excavation efforts will remove impacted soils at the site and achieve Track 1 Unrestricted Use Soil Cleanup Objectives, a Site Management Plan will not be required.

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.

Known and Potential Sources & Nature, Extent, Fate and Transport of Contaminants

Based on the RIR, known source areas onsite are limited to historical fill in the top six feet below grade. Soil/fill samples collected during the RI showed SVOCs, VOCs, and PCBs were all below Track 1 SCOs. Five metals were observed with contamination exceeding Track 1 SCOs. Of these, barium, lead, copper and cadmium also exceeded Track 2 Restricted Residential SCOs. All Track 2 metals exceedances were limited shallow (0-2 foot) samples. With the exception of lead in one sample, all deeper soil samples (6-10 feet) achieved Track 1. The observed soil

contamination corresponds well with the AOCs, Groundwater samples collected during the RI did not detect VOCs, SVOCs or PCBs. Detected metals did not exceed TOGS 1.1.1 Class GA Guidance Values in the one unfiltered sample.

Soil vapor samples collected during the RI showed a wide variety of VOCs, consisting mainly of BTEX and associated compounds at concentrations generally below $75 \mu\text{m}^3$. These compounds are most commonly associated with a spill of automotive fuel. The presence of MTBE and ethanol in vapor suggest a relatively recent spill. Past uses of the property do not indicate automotive fueling activities or other automotive fuel sources. Soil samples do not contain any VOCs in either shallow or deep soil samples. Groundwater did not detect any VOCs. Together, these observations suggest an offsite source area. TCE is identified in one sample at $3.2 \mu\text{g}/\text{m}^3$ and PCE is identified all three samples but only one above $1 \mu\text{g}/\text{m}^3$ ($8.6 \mu\text{g}/\text{m}^3$). Similar to BTEX compounds, PCE and TCE were not detected onsite and past uses of the property do not suggest the potential for onsite source areas. While no standards exist for soil vapor, no compounds exceed the Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Final November 2006).

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, or soil.

On-Site Receptors - Currently the site is vacant. The on-site potential sensitive receptors include adult and child visitors and trespassers and pedestrians. The proposed redevelopment is a six-story, six-family residential building with an entrance lobby, community facility office, bicycle storage and utilities on the first floor, apartments on Floors 2 – 6 with a communal roof terrace. During redevelopment of the Site, the on-site potential sensitive receptors will include construction workers and possibly pedestrians and nearby residents. Once the Site is redeveloped, the on-site potential sensitive receptors will include adult and child residents,

visitors and maintenance staff. There will be no potential offsite receptors after development is complete.

Based on these conditions, the only pathways for exposure include inhalation of particulates and direct dermal exposure to visitors and trespassers under current conditions and to construction workers and possibly pedestrians and nearby residents during construction. Groundwater is not utilized for potable purposes and excavation into groundwater is not anticipated during the remedial action. Exposure pathways after the development is complete includes potential inhalation by building occupants of soil vapors from offsite sources.

Overall Human Health Exposure Assessment

Current potential exposure pathways will be eliminated by the remedial action. During the remedial action, on-site and offsite exposure pathways will be eliminated by preventing access to the site, through implementation of soil/materials management, stormwater pollution prevention and dust controls, employment of a community air monitoring plan, and implementation of a Construction Health and Safety Plan. Under future conditions, dermal contact and ingestions exposures will be eliminated by removal of all soils above Track 1 Unrestricted SCOs. Inhalation exposures to potential offsite soil vapors will be prevented by construction of a vapor barrier and placement of a concrete slab.

5.0 REMEDIAL ACTION MANAGEMENT

5.1 PROJECT ORGANIZATION AND OVERSIGHT

Principal personnel who will participate in the remedial action include Scott A. Yanuck. The Professional Engineer (PE) and Qualified Environmental Professionals (QEP) for this project are Richard D. Galli and Scott A. Yanuck, respectively.

5.2 SITE SECURITY

Site access will be controlled by gated entrances to the fenced property.

5.3 WORK HOURS

The hours for operation of remedial construction will be from 8 to 4. 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 Scott A. Yanuck. 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. Exceedances 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 $150 \text{ mcg}/\text{m}^3$ 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 $150 \text{ mcg}/\text{m}^3$ 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 $150 \text{ mcg}/\text{m}^3$ 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 in compliance 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.

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 South on Brighton 1st Street, West on Ocean View Avenue, North on Ocean Parkway, West on Neptune Avenue, North on Shell Road, Northwest on 86th Street, West on 287 to New Jersey.

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.

An alpha-numeric site map will be used to identify locations described in reports submitted to OER and is shown in Figure 6.0.

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, _____, 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 Brighton Green Site, Site number. 12BCP018K

I, Scott A. Yanuck, am a qualified Environmental Professional. I had primary direct responsibility for implementation remedial program for the Brighton Green Site 12CBCP018K

I certify that the OER-approved Remedial Action Work Plan dated _____ 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 one month remediation period is anticipated.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
OER Approval of RAWP	0	-
Fact Sheet 2 announcing start of remedy	0	-
Mobilization	1	1
Remedial Excavation	2	1
Demobilization	3	1
Record Declaration of Covenants and Restrictions	NA	BA
Submit Remedial Action Report	4	1

Appendix A

Citizen Participation Plan

The NYC Office of Environmental Remediation and Scarano Realty, LLC 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, Scott A. Yanuck on behalf of Scarano Realty, LLC 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, Scott A. Yanuck, 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. Scott A. Yanuck will inspect the repositories to ensure that they are fully populated with project information. The repository for this project is:

Coney Island Library

1901 Mermaid Ave. (Near W. 19th St.)

Brooklyn, NY 11224

718-265-3220

10AM – 6PM M, T, Th, Fri

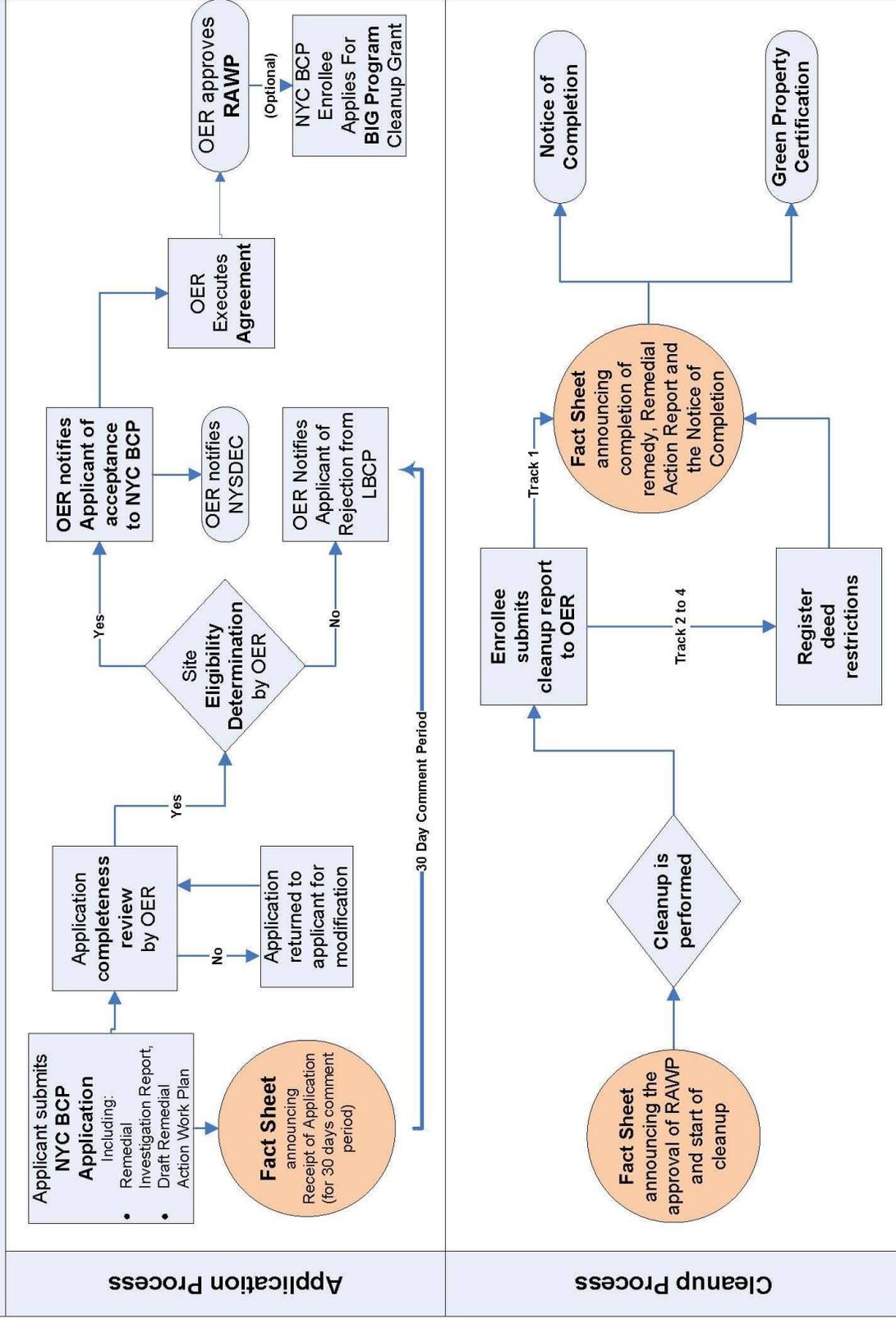
10AM – 8PM W

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.

Identify Issues of Public Concern. Scarano Realty, LLC is required to identify whether there are specific issues of concern to stakeholders proximate to the project site. Such issues include but are not limited to interests of Environmental Justice communities. Scott A. Yanuck should list any site-specific issues of public concern and the method that they will be used resolved them. If needed, contact OER for additional guidance on how to identify issues of public concern.

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

Flow Chart For NYC Brownfield Cleanup Program (NYC BCP)



APPENDIX B

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.

An estimate of the quantity 500 tons of clean, non-virgin concrete aggregate from a local facility will reused under this plan will be quantified and reported in the RAR.

Reduce Consumption of Virgin and Non-Renewable Resources. Reduced consumption of virgin and non-renewable resources lowers the overall environmental impact of the project on the region by conserving these resources.

An estimate of the quantity 5 tons of virgin and non-renewable resources, the use of which will be avoided under this plan, will be quantified and reported in the RAR.

Reduced Energy Consumption and Promotion of Greater Energy Efficiency. Reduced energy consumption lowers greenhouse gas emissions, improves local air quality, lessens in-city power generation requirements, can lower traffic congestion, and provides substantial cost savings.

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.

A vapor barrier and re-use of storm water on-site will reduce the likelihood of re-contamination at the 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.

Storm-water volume retention is a part of the remediation and redevelopment at this site. Special care to keep all stormwater on-site during the remediation will be taken. When complete, the new project will store stormwater in underground tanks for use in on-site irrigation. 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 and size 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 and community facility uses. The developer plans to construct a building that will achieve LEED Platinum Certification.

Paperless Brownfield Cleanup Program. Scarano Realty, LLC 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. Scarano Realty, LLC 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 C

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 shown 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 Brooklyn, 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 will not be reused on-Site.

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 3.

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.

1.10 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.

1.11 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.

1.12 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.

1.13 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.

1.14 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/QEPs 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/QEPs responsible for certifying the Remedial Action Report.

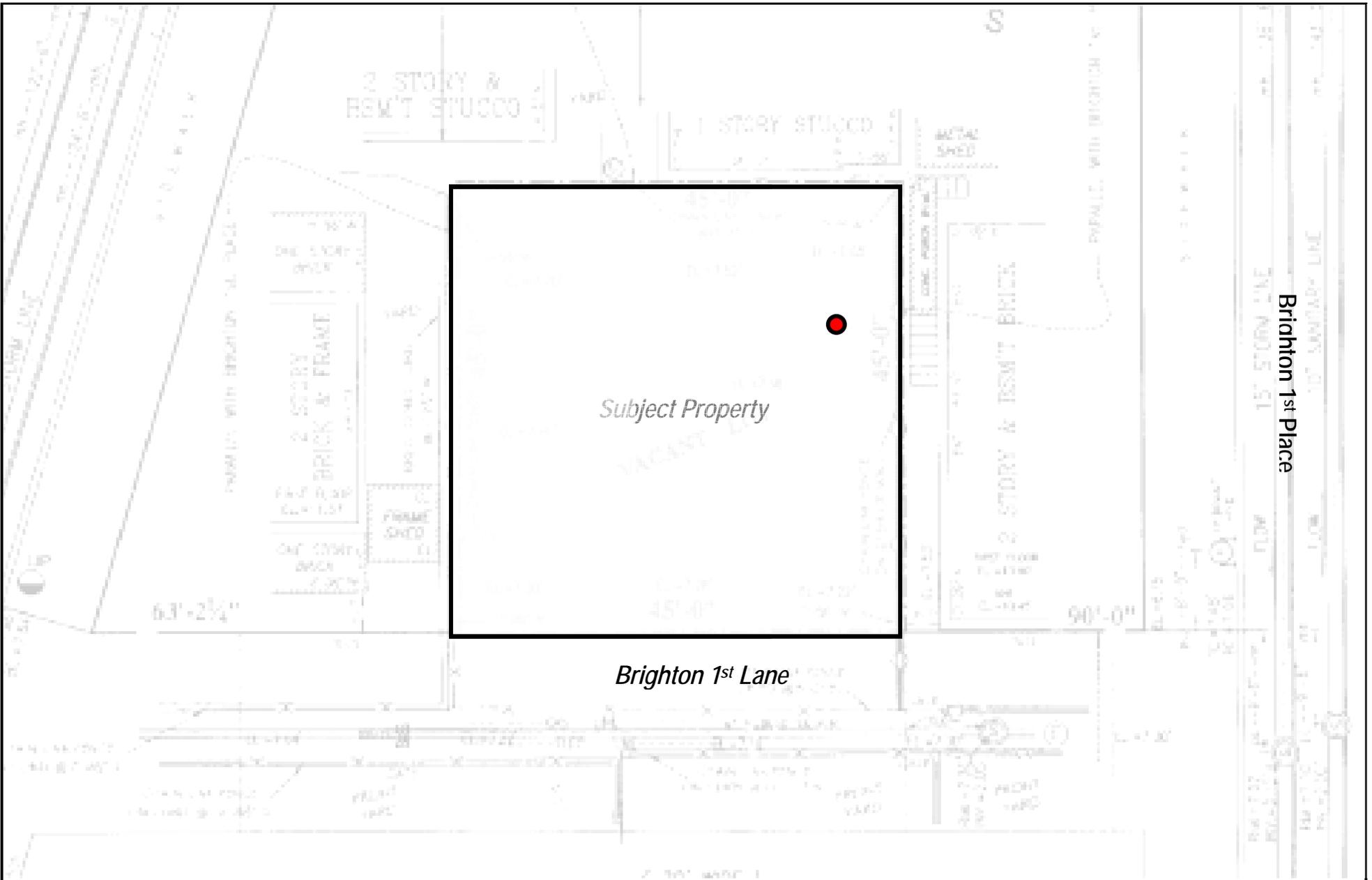
Other Nuisances

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 D

Health and Safety Plan



53 West Hills Road
Huntington Station, NY 11746

PHONE: 631-673-0612
FAX: 631-427-5323

WWW.LAUREL ENV.COM

FIGURE 2.0
SITE SKETCH/PROPOSED EP
SAMPLE LOCATIONS

67 BRIGHTON 1ST LANE
BROOKLYN, NY 11235

PROJECT # : 11-256

DRAWING DATE: 7-7-2011

DRAWN BY: CJC

CHECKED BY: TJ

REVISIONS: CM

SB = Soil Borings



PROPOSED ENDPOINT LOCATION



NOT TO SCALE

LEA makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.

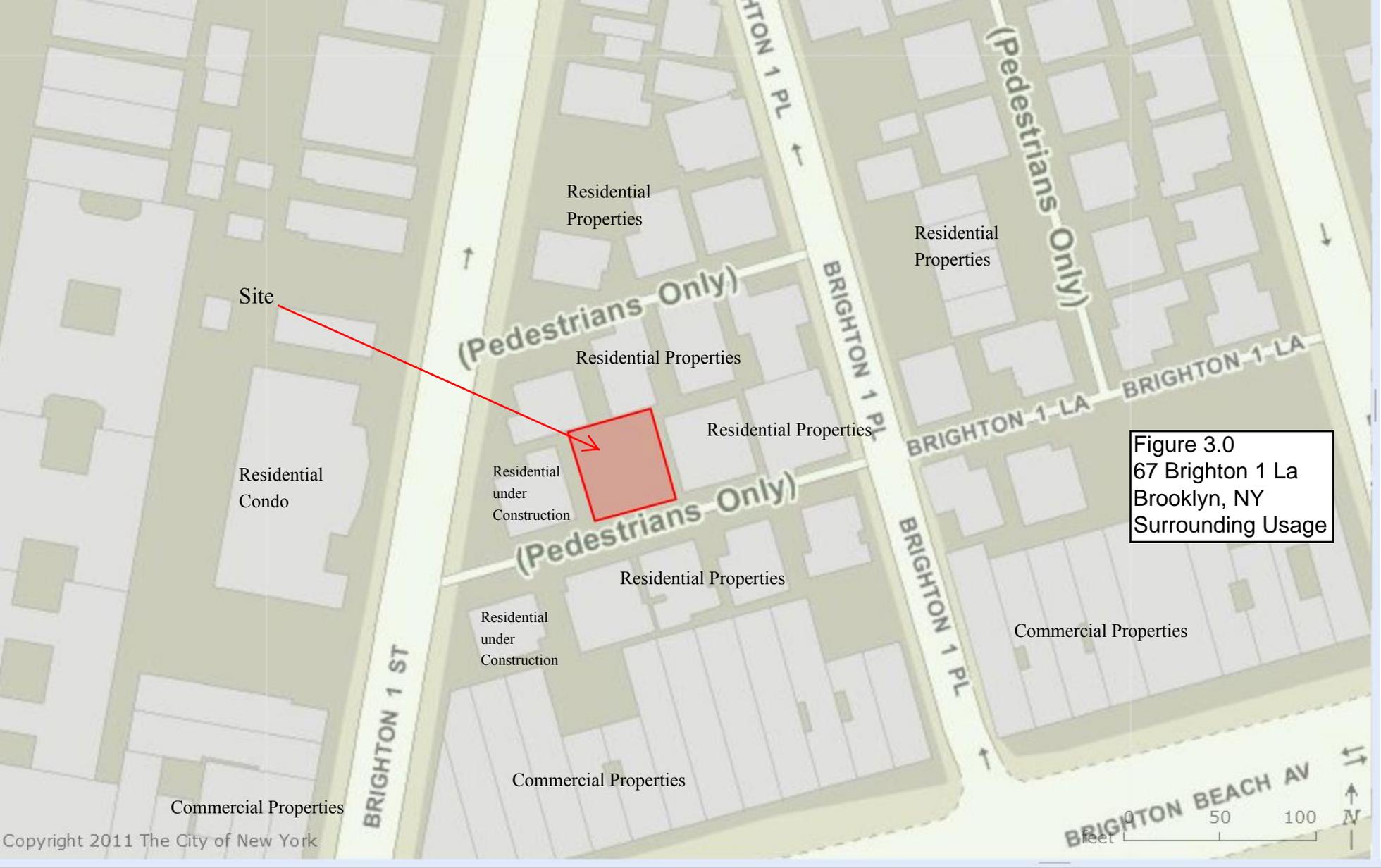


Figure 3.0
67 Brighton 1 La
Brooklyn, NY
Surrounding Usage

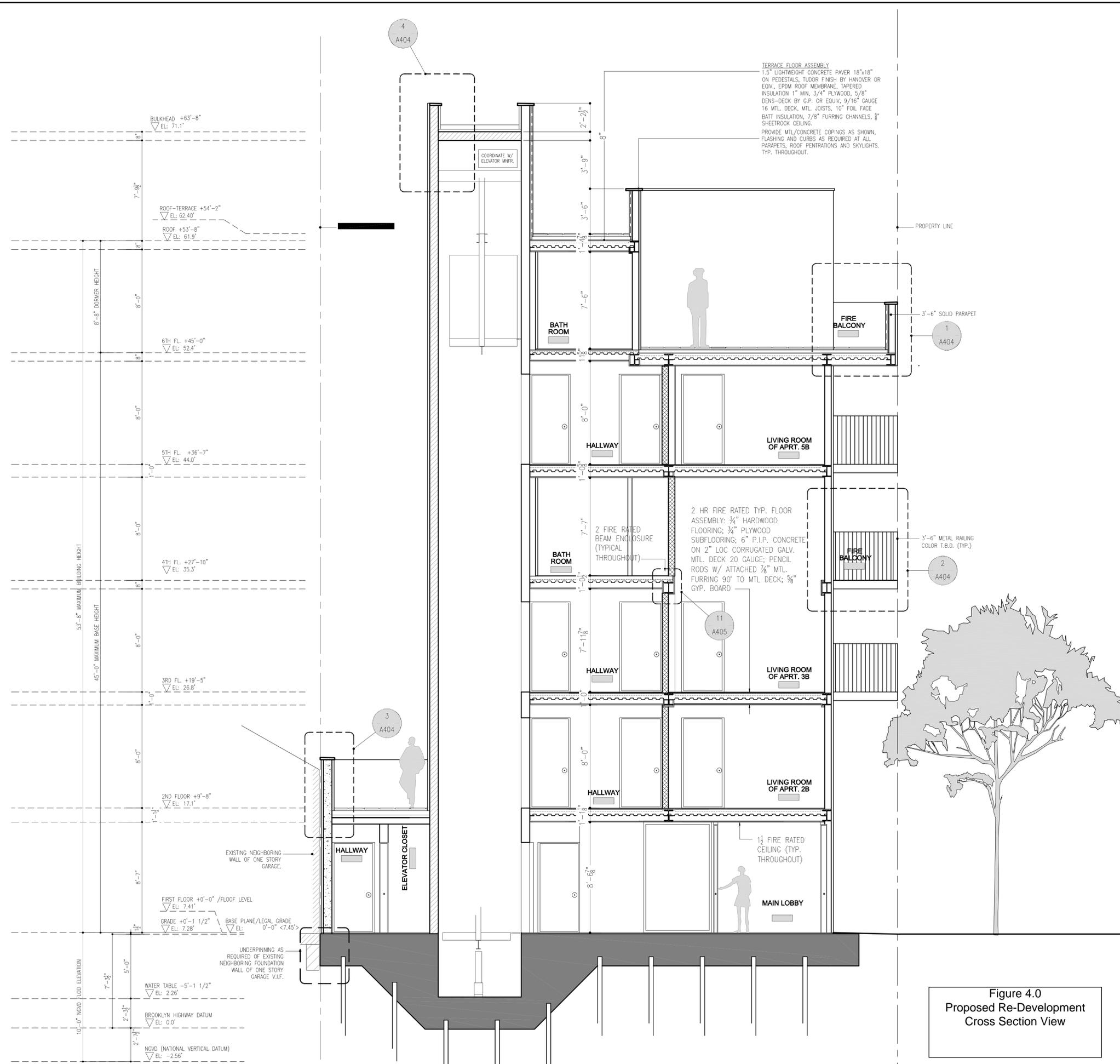


Figure 4.0
Proposed Re-Development
Cross Section View

Revision No.	Date	Remarks

LEGEND

APPLICATION # 310041816
WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY: **PL, MH, BL, SP, SP, FA**

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

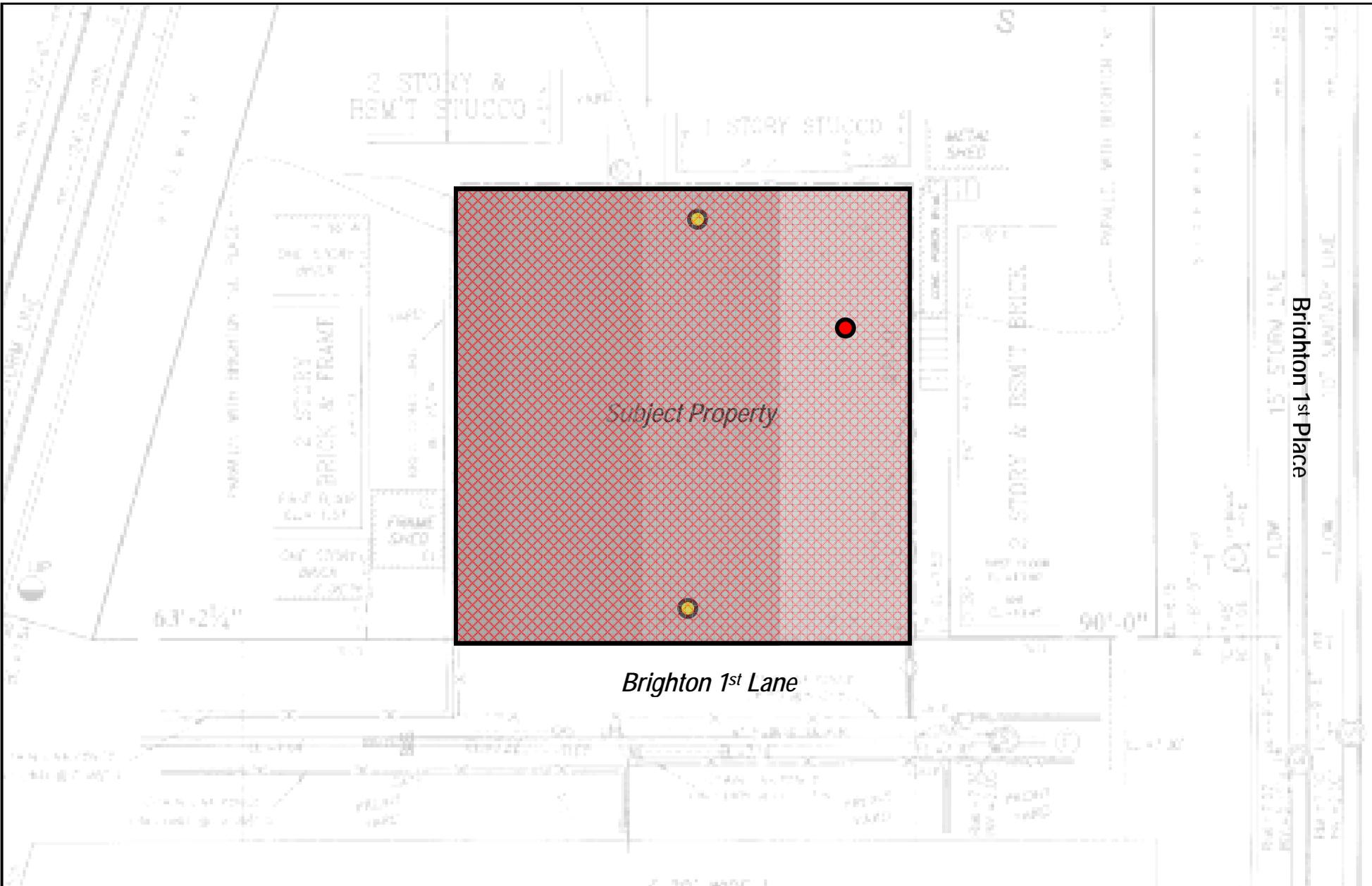
SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES ARCHITECTS
110 York Street, Brooklyn, NY 11201
Phone (718) 222-0322 Fax (718) 222-4486

Project:
**PROPOSED PROJECT AT:
67 BRIGHTON 1ST LANE
BROOKLYN, NY**

Title:
SECTION A

Checked: RMS	Date: 09/10/07
Signature:	Scale: 1/8" = 1'-0"
Seal:	Drawn: YM
	Job #: 27164
	Draw #: A-300



Brighton 1st Place

Brighton 1st Lane



53 West Hills Road
Huntington Station, NY 11746

PHONE: 631-673-0612
FAX: 631-427-5323

WWW.LAUREL ENV.COM

FIGURE 5.0
SITE EXCAVATION AND CAMP
LOCATIONS

67 BRIGHTON 1ST LANE
BROOKLYN, NY 11235

PROJECT #: 11-256
DRAWING DATE: 7-7-2011
DRAWN BY: CJC
CHECKED BY: TJ
REVISIONS: CM

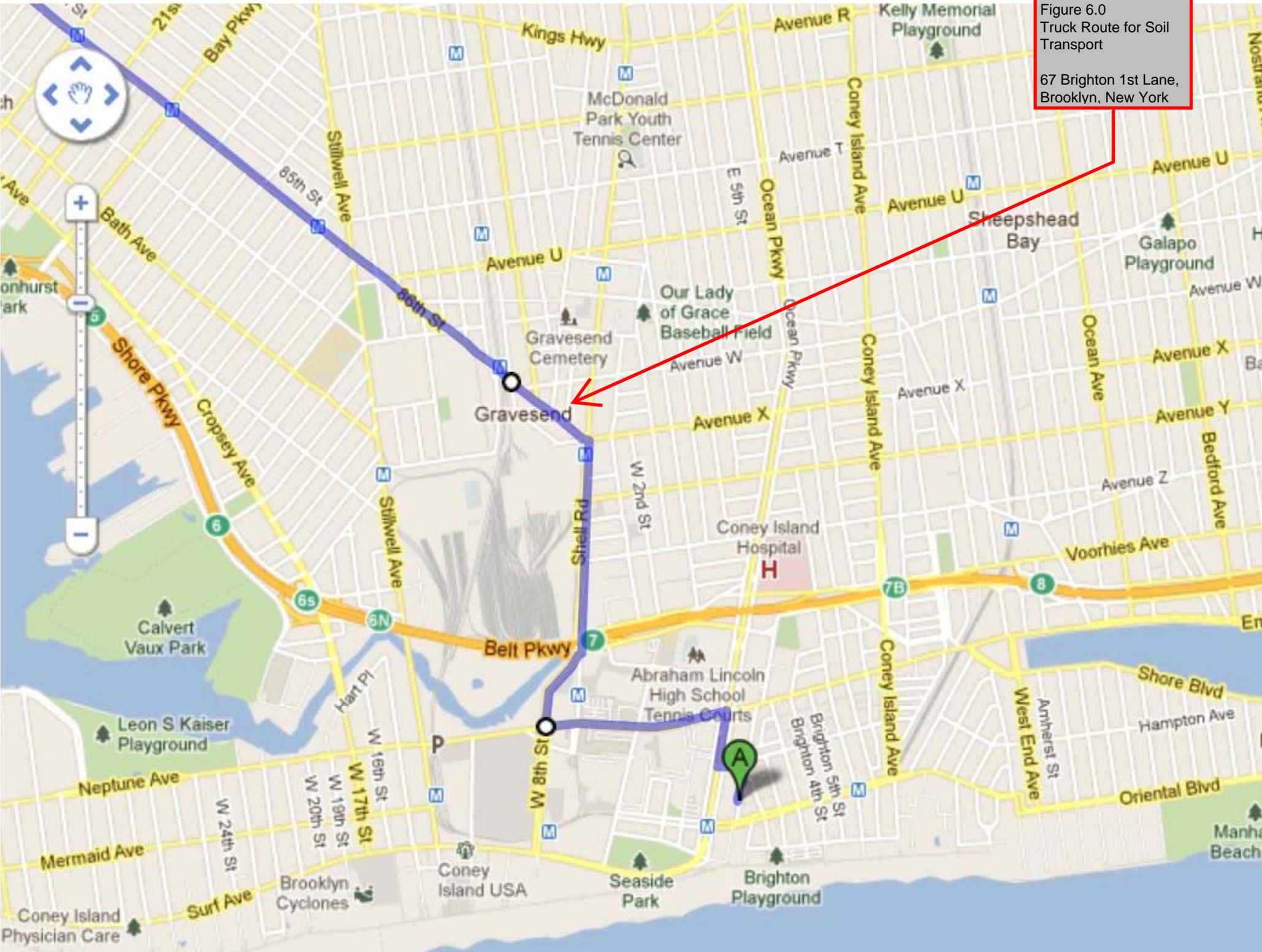
-  CAMP Locations
-  Area
-  Proposed Endpoint Locations



NOT TO SCALE

LEA makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.

Figure 6.0
Truck Route for Soil
Transport
67 Brighton 1st Lane,
Brooklyn, New York



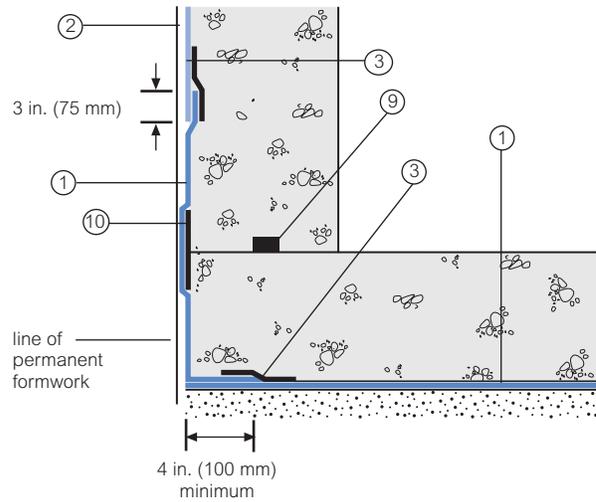
Detail Drawings

Details shown are typical illustrations and not working details. For a list of the most current details, visit us at graceconstruction.com. For technical assistance with detailing and problem solving please call toll free at 866-333-3SBM (3726).

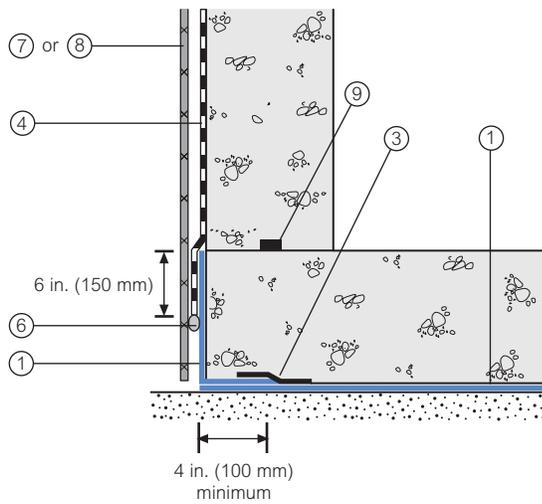
Figure 7.0
Vapor Barrier/Waterproofing Membrane Diagram

67 Brighton 1st Lane,
Brooklyn, New York

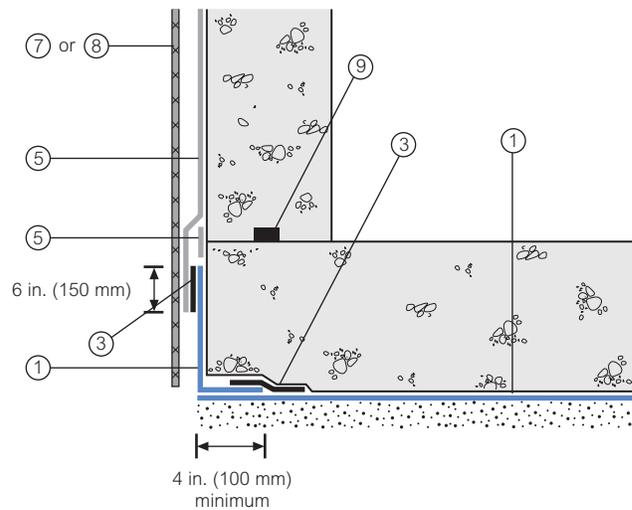
Wall base detail against permanent shutter



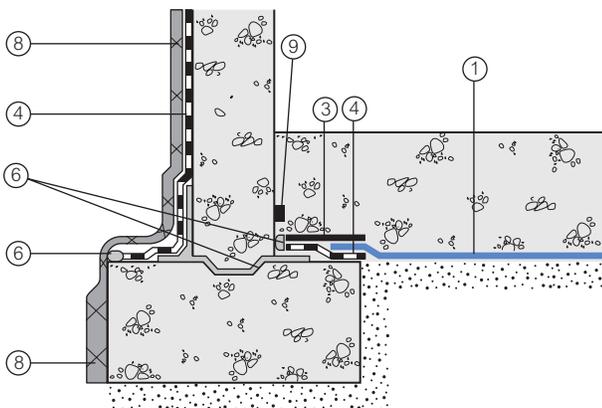
Bituthene wall base detail (Option 1)



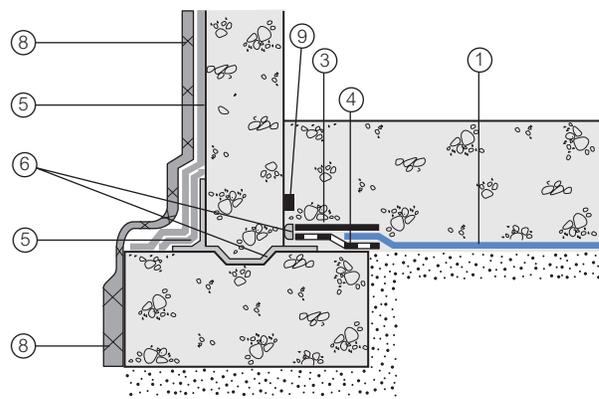
Procor wall base detail (Option 1)



Bituthene wall base detail (Option 2)



Procor wall base detail (Option 2)



- 1 Preprufe 300R
- 2 Preprufe 160R
- 3 Preprufe Tape
- 4 Bituthene

- 5 Procor
- 6 Bituthene Liquid Membrane
- 7 Protection

- 8 Hydroduct®
- 9 Adcor ES
- 10 Preprufe CJ Tape

RAWP TABLE 1

Table 11-1. Final Unrestricted Use SCOs as Presented in 6 NYCRR Part 375-6.8(a).

Unrestricted Use Soil Cleanup Objectives		
Contaminant	CAS Number	Unrestricted Use
Metals		
TRACK 1 SCOs		
Arsenic	7440-38-2	13 ^c
Barium	7440-39-3	350 ^c
Beryllium	7440-41-7	7.2
Cadmium	7440-43-9	2.5 ^c
Chromium, hexavalent ^e	18540-29-9	1 ^b
Chromium, trivalent ^e	16065-83-1	30 ^c
Copper	7440-50-8	50
Total Cyanide ^{e,f}		27
Lead	7439-92-1	63 ^c
Manganese	7439-96-5	1600 ^c
Total Mercury		0.18 ^c
Nickel	7440-02-0	30
Selenium	7782-49-2	3.9 ^c
Silver	7440-22-4	2
Zinc	7440-66-6	109 ^c
PCBs/Pesticides		
2,4,5-TP Acid (Silvex) ^f	93-72-1	3.8
4,4'-DDE	72-55-9	0.0033 ^b
4,4'-DDT	50-29-3	0.0033 ^b
4,4'-DDD	72-54-8	0.0033 ^b
Aldrin	309-00-2	0.005 ^c
alpha-BHC	319-84-6	0.02
beta-BHC	319-85-7	0.036

Unrestricted Use Soil Cleanup Objectives		
Contaminant	CAS Number	Unrestricted Use
Chlordane (alpha)	5103-71-9	0.094
delta-BHC	319-86-8	0.04
Dibenzofuran ^f	132-64-9	7
Dieldrin	60-57-1	0.005 ^c
Endosulfan I ^{d,f}	959-98-8	2.4
Endosulfan II ^{d,f}	33213-65-9	2.4
Endosulfan sulfate ^{d,f}	1031-07-8	2.4
Endrin	72-20-8	0.014
Heptachlor	76-44-8	0.042
Lindane	58-89-9	0.1
Polychlorinated biphenyls	1336-36-3	0.1
Semivolatile organic compounds		
Acenaphthene	83-32-9	20
Acenaphthylene ^f	208-96-8	100 ^a
Anthracene ^f	120-12-7	100 ^a
Benz(a)anthracene ^f	56-55-3	1 ^c
Benzo(a)pyrene	50-32-8	1 ^c
Benzo(b)fluoranthene ^f	205-99-2	1 ^c
Benzo(g,h,i)perylene ^f	191-24-2	100
Benzo(k)fluoranthene ^f	207-08-9	0.8 ^c
Chrysene ^f	218-01-9	1 ^c
Dibenz(a,h)anthracene ^f	53-70-3	0.33 ^b
Fluoranthene ^f	206-44-0	100 ^a
Fluorene	86-73-7	30
Indeno(1,2,3-cd)pyrene ^f	193-39-5	0.5 ^c
m-Cresol ^f	108-39-4	0.33 ^b

Unrestricted Use Soil Cleanup Objectives		
Contaminant	CAS Number	Unrestricted Use
Naphthalene ^f	91-20-3	12
o-Cresol ^f	95-48-7	0.33 ^b
p-Cresol ^f	106-44-5	0.33 ^b
Pentachlorophenol	87-86-5	0.8 ^b
Phenanthrene ^f	85-01-8	100
Phenol	108-95-2	0.33 ^b
Pyrene ^f	129-00-0	100
Volatile organic compounds		
1,1,1-Trichloroethane ^f	71-55-6	0.68
1,1-Dichloroethane ^f	75-34-3	0.27
1,1-Dichloroethene ^f	75-35-4	0.33
1,2-Dichlorobenzene ^f	95-50-1	1.1
1,2-Dichloroethane	107-06-2	0.02 ^c
cis-1,2-Dichloroethene ^f	156-59-2	0.25
trans-1,2-Dichloroethene ^f	156-60-5	0.19
1,3-Dichlorobenzene ^f	541-73-1	2.4
1,4-Dichlorobenzene	106-46-7	1.8
1,4-Dioxane	123-91-1	0.1 ^b
Acetone	67-64-1	0.05
Benzene	71-43-2	0.06
n-Butylbenzene ^f	104-51-8	12
Carbon tetrachloride ^f	56-23-5	0.76
Chlorobenzene	108-90-7	1.1
Chloroform	67-66-3	0.37
Ethylbenzene ^f	100-41-4	1
Hexachlorobenzene ^f	118-74-1	0.33 ^b

Unrestricted Use Soil Cleanup Objectives		
Contaminant	CAS Number	Unrestricted Use
Methyl ethyl ketone	78-93-3	0.12
Methyl tert-butyl ether ^f	1634-04-4	0.93
Methylene chloride	75-09-2	0.05
n-Propylbenzene ^f	103-65-1	3.9
sec-Butylbenzene ^f	135-98-8	11
tert-Butylbenzene ^f	98-06-6	5.9
Tetrachloroethene	127-18-4	1.3
Toluene	108-88-3	0.7
Trichloroethene	79-01-6	0.47
1,2,4-Trimethylbenzene ^f	95-63-6	3.6
1,3,5-Trimethylbenzene ^f	108-67-8	8.4
Vinyl chloride ^f	75-01-4	0.02
Xylene (mixed)	1330-20-7	0.26

All Soil clean up objectives (SCOs) are in parts per million (ppm).

Footnotes:

- ^a The SCOs for unrestricted use were capped at a maximum value of 100 ppm, as discussed in the TSD.
- ^b For constituents where the calculated SCO was lower than the Contract Required Quantitation Limit (CRQL), the CRQL is used as the Track 1 SCO value.
- ^c For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 1 SCO value for this use of the site.
- ^d SCO is the sum of Endosulfan I, Endosulfan II and Endosulfan Sulfate.
- ^e The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.
- ^f Protection of ecological resources soil cleanup objectives were not developed for contaminants identified in Table 375-6.7(b) with "NS". Where such contaminants appear in Table 375-6.7(a), the applicant may be required by the Department to calculate a protection of ecological resources soil cleanup objective according to the Technical Support Document.

TABLE 2

<u>Disposal Facility</u>	<u>Waste Type</u>	<u>Estimated Quantities</u>
Permitted facility to be named	Historic Fill	675 tons

TABLE 3

<u>Facility for Fill Materials</u>	<u>Waste Type</u>	<u>Estimated Quantities</u>
Permitted facility to be named	RCA or Virgin Stone	550 tons

Appendix A

Citizen Participation Plan

The NYC Office of Environmental Remediation and Scarano Realty, LLC 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, Scott A. Yanuck on behalf of Scarano Realty, LLC 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, Scott A. Yanuck, 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. Scott A. Yanuck will inspect the repositories to ensure that they are fully populated with project information. The repository for this project is:

Coney Island Library

1901 Mermaid Ave. (Near W. 19th St.)

Brooklyn, NY 11224

718-265-3220

10AM – 6PM M, T, Th, Fri

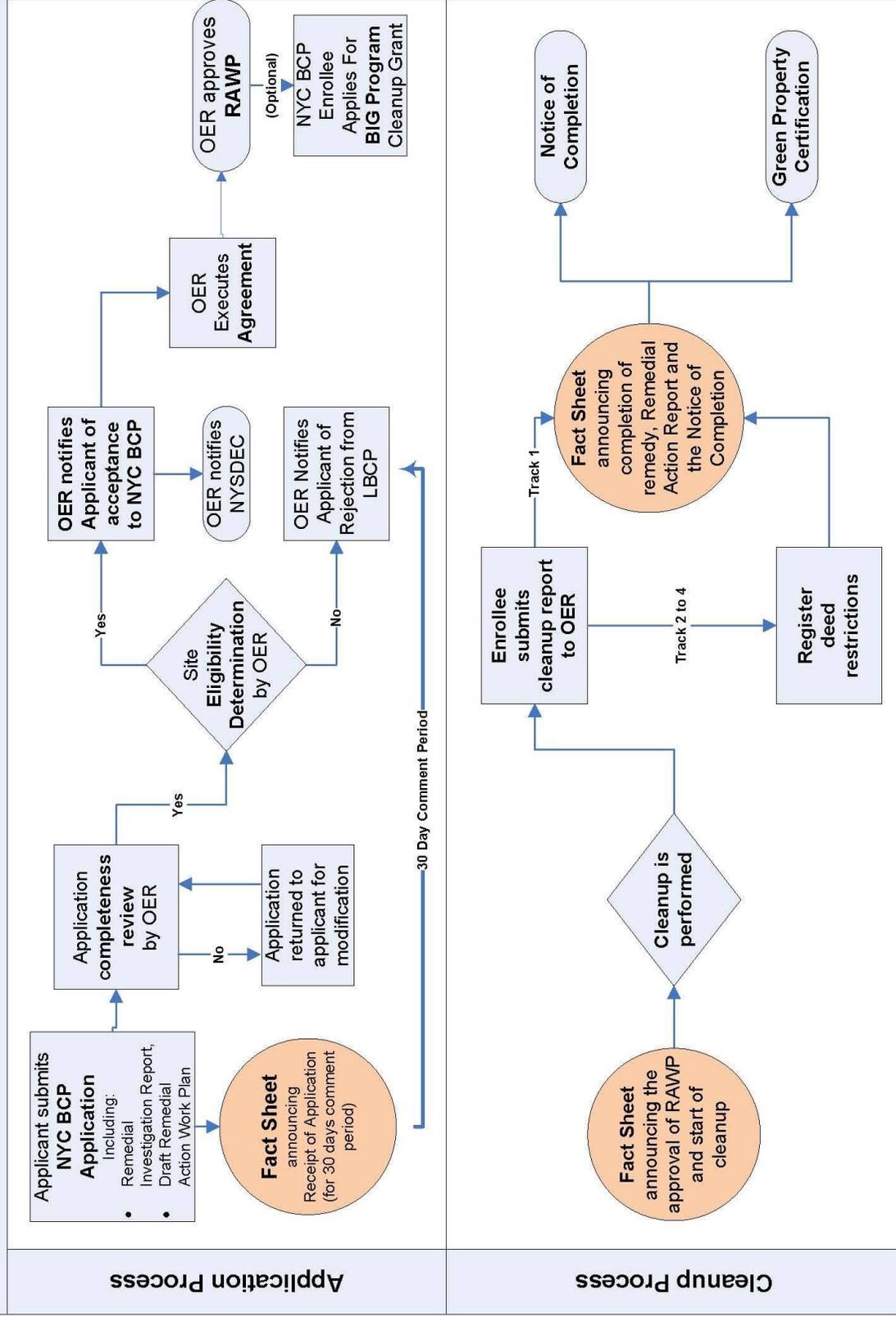
10AM – 8PM W

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.

Identify Issues of Public Concern. Scarano Realty, LLC is required to identify whether there are specific issues of concern to stakeholders proximate to the project site. Such issues include but are not limited to interests of Environmental Justice communities. Scott A. Yanuck should list any site-specific issues of public concern and the method that they will be used resolved them. If needed, contact OER for additional guidance on how to identify issues of public concern.

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

Flow Chart For NYC Brownfield Cleanup Program (NYC BCP)



APPENDIX B

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.

An estimate of the quantity 500 tons of clean, non-virgin concrete aggregate from a local facility will reused under this plan will be quantified and reported in the RAR.

Reduce Consumption of Virgin and Non-Renewable Resources. Reduced consumption of virgin and non-renewable resources lowers the overall environmental impact of the project on the region by conserving these resources.

An estimate of the quantity 5 tons of virgin and non-renewable resources, the use of which will be avoided under this plan, will be quantified and reported in the RAR.

Reduced Energy Consumption and Promotion of Greater Energy Efficiency. Reduced energy consumption lowers greenhouse gas emissions, improves local air quality, lessens in-city power generation requirements, can lower traffic congestion, and provides substantial cost savings.

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.

A vapor barrier and re-use of storm water on-site will reduce the likelihood of re-contamination at the 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.

Storm-water volume retention is a part of the remediation and redevelopment at this site. Special care to keep all stormwater on-site during the remediation will be taken. When complete, the new project will store stormwater in underground tanks for use in on-site irrigation. 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 and size 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 and community facility uses. The developer plans to construct a building that will achieve LEED Platinum Certification.

Paperless Brownfield Cleanup Program. Scarano Realty, LLC 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. Scarano Realty, LLC 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 C

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 shown 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 Brooklyn, 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 will not be reused on-Site.

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 3.

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.

1.10 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.

1.11 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.

1.12 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.

1.13 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.

1.14 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/QEPs 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/QEPs 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 D

Health and Safety Plan

**CONSTRUCTION HEALTH
AND SAFETY PLAN**

**VACANT NYC BROWNFIELDS SITE
67 Brighton 1st Lane, Brooklyn
NEW YORK 11561**

PREPARED FOR:

Robert M. Scarano, Jr.
Scarano Realty, LLC 110 York St., 5th Floor
Brooklyn, New York 11201

REPORT USER:

**NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF ENVIRONMENTAL PLANNING & ASSESSMENT
59-17 JUNCTION BOULEVARD, 11TH FLOOR
FLUSHING, NEW YORK 11368**

August 2011
LEA PROJECT # 11-256

Thomas H. Johansen
Geologist

Scott A. Yanuck, CES
Hydrogeologist
President

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1.0 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 Field Investigation and Remediation activities being performed at the redevelopment project located at 67 Brighton 1st Lane, Brooklyn, New York, herein referred to as the “site”. The redevelopment project (“the project”) will involve the demolition of the existing structure, excavation of subsurface soil/fill and the construction of a new building on concrete slab and cellar. Scarano Realty, herein referenced as the “site owner”, is performing the project.

Also described in this document are emergency response procedures necessary to respond to site-related hazards.

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 remediation activities at the site, 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 supplement is to provide field personnel with an understanding of the potential chemical and physical hazards that exist or may arise while portions of the project are being performed. To this end, this CHASP also presents information on the progression of the environmental field investigation activities and specific details regarding the handling of materials excavated/evacuated from the site. These excavation/evacuation activities will be collectively referred to in this document as “Remedial Activities”.

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 (Remedial Personnel) activities associated with this project shall read this CHASP and sign the Agreement and Acknowledgment Statement (Appendix F) to certify that they have read, understood, and agreed to abide by its provisions. A copy of this CHASP supplement will be available to anyone that requests it. Other Personnel (e.g. government officials, administrators, bank inspectors, assessors, etc.) that will have limited exposure to the site soil/fill material and groundwater during investigative and remedial activities will be instructed on how to reduce the probability of exposure to site contaminants, but will not be required to read the CHASP.

1.2 SITE DESCRIPTION

The Site is located at 67 Brighton 1 Lane in the Brighton Beach section in Brooklyn, New York and is identified as Block 8670 and Lot 80 on the New York City Tax Map. The Site is 2,025 -square feet in area and is vacant and undeveloped, with evidence of construction debris mixed in soils at the site.

1.3 RECOGNIZED ENVIRONMENTAL CONDITIONS

On July 8, 2011 LEA performed soil/groundwater and soil vapor testing at the site. Results show elevated levels of soils exceeding Part 375-6.8(a) recommended soil cleanup objectives.

The results of chemical testing of soil and fill materials at the site are as follows:

- Field screening of soil in all borings found urban fill materials to a depth of 6 to 6.5 feet below grade. This was evident as pieces of coal, ash and building materials. Minor petroleum odor was noted in SB-3, 6' – 8' below grade. Laboratory analysis of the selected samples indicated issues with Barium, Cadmium, Copper, Lead and Zinc;
- Barium was noted at concentrations of 86.1 to 741 ppm in the 0' to 2' samples and at <3.88 to 9.16 ppm in the 6' – 8' and 8' to 10' samples
- Cadmium was noted at concentrations of <1.04 to 12.1 ppm in the 0' to 2' samples and at <1.00 to <1.19 in the 6' – 8' and 8' to 10' samples
- Copper was noted at concentrations of 40.7 to 341 ppm in the 0' to 2' samples and at <1.92 to 26.6 in the 6' – 8' and 8' to 10' samples
- Lead was noted at concentrations of 143 to 2030 ppm in the 0' to 2' samples and at <1.92 to 299 in the 6' – 8' and 8' to 10' samples
- Zinc was noted at concentrations of 117 to 286 in the 0' to 2' samples and at 6.21 to 63.4 in the 6' – 8' and 8' to 10' samples;
- Comparison to Track 1 finds Barium over SCO in SB-1 0'-2' and SB-2, 0'-2'; Cadmium over SCO in SB-1, 0'-2'; Copper over SCO in in SB-1 0'-2' and SB-2, 0'-2'; Lead over SCO in SB-1 0'-2', SB-2, 0'-2', SB-3, 0'-2', and SB-3A, 6'-8'; Zinc over SCO in SB-1 0'-2', SB-2, 0'-2', and SB-3, 0'-2';

- Urban fill is evenly distributed across the property to a depth of 6 to 6.5 feet, just above the water table and clean sands. Minor petroleum odor appears limited to a small radius around SB-3 and does not extend five feet south to SB-3A.;
- The observed soil contamination corresponds well with the and AOCs,
- Removal of soils from 0' to 6' will provide sufficient remediation to meet 6NYCRR Part 375-6.8 Track 1 Soil Cleanup Objectives. There may be some additional removal of soils necessary around SB-3 based on the field screening results.

GROUNDWATER CHEMISTRY

The results of chemical testing of groundwater at the site are as follows:

- Typical urban background volatile organic and metals contaminant classes were identified in groundwater;
- Concentration ranges and distributions;
- No compounds were found to be over TOGS groundwater values
- The AOCs did not have a significant adverse effect of the groundwater quality. Some affect from off-site contaminant sources may have caused some presence of VOCs;
- No exceedance of groundwater from New York State 6NYCRR Part 703.5 Class GA groundwater standards was detected at the site

SOIL VAPOR CHEMISTRY

The results of chemical testing of soil vapor are as follows:

- Volatile organic compounds were detected in the soil vapor at the site;
- Concentrations range from non-detect to 360 mcg for acetone were detected and are found evenly throughout the property;
- There appears to be little or no relationship of observed soil vapor contamination and AOCs-contaminant sources;
- Based on the presence of VOCs the installation of a vapor barrier is recommended at this site

2.0 APPLICATION OF HEALTH AND SAFETY PLAN SUPPLEMENT

The procedures of this CHASP supplement apply as guidance for any person that will enter the boundaries of the site, or a portion of the site during field investigation and remediation activities. All subcontractors, of any tier, should have a corporate CHASP that covers employees for standard construction activities that are not related or a function of the site contaminants.

The field investigative and remedial services that are proposed for the site will involve the handling of the heavy metal impacted soil/fill. The primary exposure routes for site contaminants to affect Investigative and Remedial Personnel are through inhalation, ingestion and/or dermal contact. Accordingly, exposure-based determinations used for this document will be consistent with guidelines provided within Material Safety Data Sheets for each product (see Section 11.1 of this document).

Inorganic metals exposure determinations used for this document will be consistent with guidelines provided within MSDS of each substance in its static compound/elemental state. The MSDS for each substance is included within this document. All MSDS sheets will be conspicuously posted at the site in the event they are needed for reference or for emergency purposes.

Based upon the analytical data obtained from the previous investigations, the soil/fill excavated/evacuated from the site are required to be managed as non-hazardous solid waste in accordance with New York State Environmental Conservation Law (6 NYCRR Part 371).

2.1 REMEDIAL PERSONNEL

Remedial Personnel will include the Excavation and Foundation Contractor's staff and the Environmental Term Consultant's staff (as defined in the project contract documents Section 02801 and 01350). Additionally, any other employees of contractors and subcontractors of any tier performing the following activities will be considered Remedial Personnel.

- Excavation of soil/fill material using hydraulic equipment
- Loading of soil/fill onto vehicles
- Processing of soil/fill into components
- Sampling of soil/fill for subsequent physical or chemical analysis
- Cleaning or decontaminating equipment or personnel

2.2 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 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 Remedial Activity areas (i.e., active excavation / handling / processing areas, loading areas, exclusion zones or support zones).

2.2 REMEDIAL SCOPE

The remediation will be a function of construction activities. It is not the intent to remediate all impacts noted or suspected at the site. Rather, materials will be managed as they are encountered to minimize exposure to site personnel and the surrounding community. The final excavation depths will be determined by the site owner and will be included on the building application excavation plans.

3.0 KEY PERSONNEL / IDENTIFICATION OF HEALTH & SAFETY PERSONNEL

3.1 KEY PERSONNEL

A list of the pertinent personnel authorized to supervise site health and safety operations on behalf of the client is presented below.

<u><i>Title</i></u>	<u><i>Name</i></u>	<u><i>Telephone Number</i></u>
Site Owner		
Scarano Realty, LLC	Robert M. Scarano, Jr.	(O) 718-222-0322 (e) r.scarano@scaranoarchitect.com
Project Manager		
Laurel Environmental Associates, Ltd. Principal Hydrogeologist	Scott Yanuck	(O) 631-673-0612, x201 (C) 516-971-6332 (e) syanuck@laurelenv.com
Field Operations Leader		
Laurel Environmental Associates, Ltd. Environmental Scientist	Thomas Johansen	(O) 631-673-0612, z265 (C) 516-971-5617 (e) tjohansen@laurelenv.com
Site Health & Safety Officer		
Laurel Environmental Associates, Ltd. Certified Industrial Hygienist	Sheila Bubka	(O) 631-673-0612, x251 (e) sbubka@laurelenv.com

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 Investigative 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 the site owner, the Environmental Term Consultant 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 are 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 Excavation and Foundation Contractor, its subcontractors and Environmental Term Consultant.
- 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 in the event that an operation threatens the health and safety of workers or the public.
- Monitoring personnel who enter and exit the site and controlled access points.
- Reporting 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 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 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.

4.0 TASK/OPERATION 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, the transporting and loading of materials onto trucks for off-site transport, and if necessary, soil/fill sampling. 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 Safety Officer or designated field worker should immediately shut down all operations.
- Only approved safety containers 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 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 Damage Prevention

Damage of underground facilities must be prevented by calling all relevant utilities for a mark-out. The underground facilities should be marked in the area where the excavating is occurring with the appropriate paint, flags and/or stakes according to the Underground Facility Protection Act. The color code requirements are presented in the graphic below:



4.2.3 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 SITE SECURITY

At the end of each workday, the site, including toolboxes, tool sheds, fuel pumps, and equipment, shall be secured. Trailers will be fully chocked; storage and office trailers shall be equipped with auxiliary supports at each corner. Lights, barricades, protective devices, warnings, and precautions sufficient to prevent injury to persons and damage to property shall be provided and maintained. Visitors to the site shall be escorted by either the Health and Safety Officer, the Project Manager and/or the Field Operations Leader.

4.5 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.

4.6 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.

4.6.1 Types of Heat Stress

Heat stress may occur even in moderate temperature areas and may present any or all of the following:

4.6.1.1 *Heat Rash*

Result of continuous exposure to heat, humid air, and chafing clothes. Heat rash is uncomfortable and decreases the ability to tolerate heat.

4.6.1.2 *Heat Rash*

Result of the inadequate replacement of body electrolytes lost through perspiration. Signs include severe spasms and pain in the extremities and abdomen.

4.6.1.3 *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.

4.6.1.4 *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.

4.6.2 Heat Stress Prevention

- 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.
- 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).
- Conduct non-emergency response activities in the early morning or evening during very hot weather.
- Provide shelter against heat and direct sunlight to protect personnel. Take breaks in shaded areas.
- Rotate workers utilizing protective clothing during hot weather.
- Establish a work regime that will provide adequate rest periods, with personnel working in shifts.

4.7 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 .C (20 .F), 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).

5.0 PERSONNEL TRAINING

5.1 PRE-ASSIGNMENT AND OSHA TRAINING

All Remedial personnel that will work in Level D PPE are required to prove they have reviewed and understand the procedures presented in this CHASP supplement.

On-site managers and supervisors of Remediation Personnel (Field Operations Leader, Site Health and Safety Officer) and personnel that will work in Level C or above PPE will have received an initial 40-hour HAZWOPER training course. These training requirements will comply with the OSHA Hazardous Waste Operations and Emergency Response Regulation, 29 CFR 1910.120. The Site 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 Remedial Personnel and observers that could potentially be exposed to the soil/fill material during site 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 face piece respirator (Level C or above PPE). The fit test must be performed before the respirator is used and must be repeated at least annually and whenever a different respirator face piece 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.

5.2.3 Daily Safety Meetings

A daily informal safety meeting (“tool box” or “bumper”) will be conducted to discuss safety issues and heighten safety awareness.

6.0 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 LEVELS OF PROTECTION

The Site 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). Modified Level D PPE will be the minimum requirement at all times during the environmental remediation portion of the project.

6.1.1 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 (complaint with ANSI-Z89.1)
- Safety glasses (as appropriate)
- Steel toe and shank boots
- Fluorescent/reflective safety vest
- Hearing protection (as appropriate)

6.1.2 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)

6.1.3 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/partial face respirator with NIOSH approved OV/AG/HEPA combination cartridges (MSAGMC-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)

6.1.4 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. Governmental 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)

6.2 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).

7.0 COMMUNITY AIR MONITORING PROGRAM

During sampling, the air in work areas will be sampled (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, the community 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 of volatile organic compounds (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 field investigative and remedial 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). 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 downwind property line to insure the protection of the surrounding community.

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-10 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 15minute 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 can 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 the handling of the soil/construction fill, the total downwind PM-10 particulate level is 5 micrograms per cubic meter (ug/m3) greater than background (up-wind 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 below 5 ug/m3.

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:

7.3.1 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

7.3.2 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 remediation activities - Immediately withdraw from the area and implement emergency procedures presented in Section 11 of this document

7.3.3 Particulate Detector Response

Real Time Particulate Detection Meter	
Results (gm/m3)	Level of PPE Required/Procedure
0.0 to 5.0	Level D - Continue with normal activity
>5.0	Level C Protection - Discontinue site activities – initiate dust control activities listed in Section 8.3 of this document

8.0 SITE MANAGEMENT AND PLANNING

8.1 MATERIAL HANDLING PLAN

Activities presented herein will occur between the hours of 7:00 a.m. to 5:00 p.m., Monday through Friday.

To limit exposure of the site workers to the detected contaminants, the site will be divided into four operable zones. The zones will be defined as: the exclusion zone (the area of the subject property where the required excavation will occur); the contaminant reduction zone (an area at least 50 feet away from the exclusion zone in which personal protective equipment is removed); the support zone (area where equipment is stored); and, the clean zone (mitigated areas of the subject property). The location of zones will change throughout the duration of the site development project.

8.1.1 Soil/Fill Excavation

Excavation will be performed using hydraulic excavators and front-end loaders. The soil/fill will be directly loaded onto transport vehicles for off-site disposal. Stockpiled soil/fill will be mechanically and/or manually picked to remove excess materials such as municipal solid waste (automobile parts, scrap steel, plastic, putrescible waste), wood or oversized concrete/rock (>12”). Based upon boring logs provided by the site owner, mechanical screening is not expected to be necessary. Material that is impacted with soil/fill residues will be placed into a roll-off container for off-site disposal as petroleum impacted non-hazardous waste. Material that is free of loose residues will be disposed of as municipal solid waste.

8.1.2 Excavation Contingency Plan for Underground Liquid Containing Structures

If a previously unknown subsurface structure containing liquids or liquid residues (“tank”) is discovered during site activities, this contingency plan will be implemented by the project Site Health and Safety Officer. All activities required to remove the tank in accordance with the applicable local, state and federal codes will be performed by an emergency standby environmental contractor retained by the property owner. All records of any activity will be retained for inclusion in the project Engineering Closure Report.

8.1.3 Pre-Excavation Activities

If the tank is determined to have leaked as evidenced by the presence of soil/fill staining or by observation of a structural failure, the following activities will be performed as ordered.

1. The NYSDEC spill hotline will be called and a spill number obtained.
2. The Project Administrator, the Health and Safety Officer, the Project Manager and the Field Operations Leader will be notified.
3. If product is in the tank, a product sample will be secured for analysis to determine its chemistry.
4. The Site Health and Safety Officer will determine the need for a change of PPE.
5. Where the product has been identified, it will be evacuated from the tank for proper off-site disposal.
6. Manifests for the volume of product removed will be retained for inclusion in the Project Closure Report.
7. The tank will be cut in a manner appropriate to the product, cleaned, rendered vapor-free and removed by the contractor.
8. Work will proceed as identified in the post tank excavation section below.

If there is no evidence that the tank has leaked, the following activities will be performed as ordered.

1. The Project Administrator, the Health and Safety Officer, the Project Manager and the Field Operations Leader will be notified.
2. A determination will be made if product remains in the tank.
3. If product is in the tank, a product sample will be secured for analysis to determine its chemistry.
4. The Site Health and Safety Officer will determine the need for a change of PPE.
5. Where the product has been identified, an appropriate waste hauler will be retained to evacuate the liquid product from the tank and for its off-site disposal.
6. Manifests for the volume of product removed will be retained for inclusion in the Project Closure Report.
7. The tank will be cut, cleaned, rendered vapor-free and removed by the standby environmental contractor.
8. Work will proceed as identified in the post tank excavation section below.

8.1.4 Post-Excavation Activities

If a leak is evidenced upon removal of the tank, the following activities will be performed.

1. If not done so already, the NYSDEC spill hotline will be called and a spill number obtained.
2. If not done so already, the Project Administrator, the Health and Safety Officer, the Project Manager and the Field Operations Leader will be notified.
3. Determinations with respect to the need for testing and excavation will be made by the Environmental Term Consultant.

If no leak is evidenced upon removal of the tank, confirmation testing of the remaining soil/fill within the excavation will be performed (see below).

8.1.5 Confirmation Testing of Remaining Soil/Fill

For each tank excavation (for previously unknown tanks discovered during excavation only), two soil/fill samples will be secured from the base and one from each side-wall corresponding to the north, south, east and west directions (NYSDEC DER-10). Each sample will be a composite of three randomly selected locations. Upon acquisition of the samples, the following activities will be performed:

1. Samples will be preserved at four degrees Centigrade and transported to a New York State certified commercial laboratory for analysis.
2. Laboratory analysis will be in accordance with the chart below (note: this chart is considerate of waste classification and disposal criteria).

PRODUCT	USEPA 8270 STARS	USEPA 8270 TAL	USEPA 8260 TAL+1 5	USEPA 8021 STARS + MTBE	USEPA 8081 PCB/ Pesticides	USEEPA 6010 LEAD
Kerosene, Diesel or Fuel Oil	X			X		
Gasoline	X			X		X
Other		X	X		X	X

Administration:

If the analysis of the confirmation samples demonstrates that the quality of the remaining soil/fill is consistent with background (in concentration and species of detected analytes) or free of contaminants, then the following activities will be performed:

1. An Underground Storage Tank Site Assessment report consistent with NYSDEC DER-10 memorandum will be prepared and forwarded to the NYSDEC, the Project Administrator, the Project Manager and the Project Administrator. If applicable, the report will include all waste manifests and disposal tickets. Where a spill number was issued for the release, the letter will indicate that the spill has been mitigated and request that the status of the spill be listed as “closed” on the NYSDEC spill log.
2. All data acquired will be retained for inclusion in the Project Closure Report.

If the analysis of the confirmation samples demonstrates that the quality of the remaining soil/fill is not consistent with background (in concentration and species of detected analytes), the following activities will be performed:

- If not done so already, the NYSDEC spill hotline will be called and a spill number obtained.
- The Project Administrator, Project Manager and Project Administrator will be notified.
- Where necessary to remove the area impacted (base and/or sidewall or sidewalls), the extent of the excavation will be increased by fifteen feet vertically and horizontally from the point(s) of detection
- The excavated fill material will be placed upon sheeted plastic for waste characterization testing and subsequent off-site disposal.
- Upon removal of impacted fill material, confirmation testing will be performed to determine the efficacy of the activities.
- These activities will continue until confirmation sample analysis demonstrates that the quality of the remaining fill material is consistent with background or free of contaminants.

8.2 WORK ZONE DEFINITION

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.

8.2.1 Exclusion Zone (EZ)

It is within this zone that the investigative activities 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.

8.2.2 Contamination 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.

8.2.3 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.

8.3 FUGITIVE DUST CONTROL MEASURE

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.
- Media stockpiles greater than 100 cubic yards will be covered with plastic poly sheeting.
- Investigative activities will be halted where winds exceed 40 miles per hour.
- Where possible, handling of soil/fill for inspection/evaluation 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

8.4 MATERIAL TRANSPORT

Permitted trucks exiting the subject property containing non-hazardous contaminated material (liquids, sludges, sediments or solids) will be given a waste transport charter (see Sample Ticket 1 below) to act as a transportation manifest. The charters are printed on sequentially numbered four-part carbon-less form paper. "Section 1" of each charter will be completed by the driver of each truck before it departs from the loading area. Section 2 will be completed by a representative of the Generator before the truck is allowed to exit the site. If the receiving facility does not provide a signed and dated certified weight ticket for attachment to the form, then a representative of the receiving facility will complete Section 3 of the form.

Sample Ticket 1
Sample Transportation Charter

WASTE TRANSPORT CHARTER

Generator:	Transport Company 1:
Site Address:	Transport Company 2:
Contact:	

This waste is being transported and accepted as a solid waste for beneficial reuse as a landfill cover material or for disposal. Copies of authorization to transport this soil to the listed receiving facility are maintained within the transport vehicle.

In case of emergency, contact:

SITE SAFETY OFFICER

Section 1

Truck Plate Number:	
Driver Name/Signature:	
Date/Time of Departure:	

Section 2

Generator Signature:

(name) _____ (signature) _____ (date) _____

Receiving Facility:
Address:
TELEPHONE NO.:

To be determined

Section 3

Date of Receipt (month/day/year) _____ (time) _____

Received By: (sign name) _____ (signature) _____

8.4.1 Distribution of Charter Parts

The distribution of each colored page of the multi-part forms will be as follows:

White	Generator
Yellow	Environmental Contractor – Laurel Environmental
Pink	Receiving TSDF for Disposal – Waste Dependent
Green	Site Owner – Scarano Realty LLC.

8.4.2 Truck Entrance and Egress

Truck entrance and egress will be made via paved roadways at areas designated along Brighton 1st Lane.

8.5 MATERIAL DISPOSAL / BENEFICIAL REUSE

All permits for the selected disposal facilities will be issued to the generator for review and approval. A list of regulated non-hazardous wastes that could be generated under the scope of the investigative and remedial activities proposed herein are summarized in the following list:

- Contaminated Soil/fill
- Municipal Solid Waste
- Construction and Demolition Debris

Heavy metal impacted soil/fill will be shipped off-site for beneficial use or disposal at a permitted facility.

8.6 BACKFILLING

All backfill material will consist exclusively of clean building products such as clean fill, recycled concrete aggregate or gravel, item 4 products demonstrated to comply with NYSDEC TAGM and Part -375 criteria, grout, low solids cement, concrete or asphalt.

9.0 GENERAL HEALTH AND SAFETY 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.

9.1 SAFETY PRACTICES/STANDING ORDERS

The following are important safety precautions that will be enforced during work activities:

- 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.
- Hands and face must be thoroughly washed upon leaving the work area and before eating, drinking, or any other activity.
- 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.
- 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.
- 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.
- 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.
- Personnel and equipment in the work areas should be minimized, consistent with effective site operations.
- Work areas for various operational activities should be established.
- 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.
- Respirators will be issued for the exclusive use of one worker and will be cleaned and disinfected after each use.
- Safety gloves and boots shall be taped to the disposable, chemical-protective suits as necessary.
- All unsafe equipment left unattended will be identified by a "DANGER, DO NOT OPERATE" tag.
- 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 Safety Officer. Disposable, form-fitting plugs are preferred.
- Cartridges for air-purifying respirators in use will be changed daily at a minimum.

9.2 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.

9.3 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.

9.4 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 Questionnaire and/or Medical Clearance
- Medical Data Sheets
- Accident Report Forms

10.0 DECONTAMINATION PLAN

10.1 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 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.

10.2 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 Safety Officer will monitor decontamination procedures to ensure their effectiveness. Modifications of the decontamination procedure may be necessary as determined by the Site Safety Officer's observations.

10.3 STANDARD DECONTAMINATION PROCEDURE

The following decontamination procedures should be implemented during site operations for the appropriate level of protection.

10.3.1 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.

10.3.2 Levels 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.

10.4 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.

11.0 EMERGENCY REPOSE/CONTINGENCY PLAN

11.1 PRE-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 lead based paint. The MSDS for these 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).

11.1.3 Lead Material Safety Data Sheets



Health	1
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet Lead MSDS

Section 1: Chemical Product and Company Identification	
Product Name: Lead Catalog Codes: SLL1291, SLL1669, SLL1081, SLL1459, SLL1834 CAS#: 7439-92-1 RTECS: OF7525000 TSCA: TSCA 8(b) inventory: Lead CI#: Not available. Synonym: Lead Metal, granular; Lead Metal, foil; Lead Metal, sheet; Lead Metal, shot Chemical Name: Lead Chemical Formula: Pb	Contact Information: Sciencelab.com, Inc. 14025 Smith Rd. Houston, Texas 77396 US Sales: 1-800-901-7247 International Sales: 1-281-441-4400 Order Online: ScienceLab.com CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300 International CHEMTREC, call: 1-703-527-3887 For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients		
Composition:		
Name	CAS #	% by Weight
Lead	7439-92-1	100
Toxicological Data on Ingredients: Lead LD50: Not available. LC50: Not available.		

Section 3: Hazards Identification
Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Potential Chronic Health Effects: Slightly hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures
Eye Contact:

p. 1

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Non-flammable in presence of open flames and sparks, of shocks, of heat.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: When heated to decomposition it emits highly toxic fumes of lead.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:

Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable

protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

TWA: 0.05 (mg/m3) from ACGIH (TLV) [United States] TWA: 0.05 (mg/m3) from OSHA (PEL) [United States] TWA: 0.03 (mg/m3) from NIOSH [United States] TWA: 0.05 (mg/m3) [Canada] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 207.21 g/mole

Color: Bluish-white. Silvery. Gray

pH (1% soln/water): Not applicable.

Boiling Point: 1740°C (3164°F)

Melting Point: 327.43°C (621.4°F)

Critical Temperature: Not available.

Specific Gravity: 11.3 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, excess heat

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:

Can react vigorously with oxidizing materials. Incompatible with sodium carbide, chlorine trifluoride, trioxane + hydrogen peroxide, ammonium nitrate, sodium azide, disodium acetylide, sodium acetylide, hot concentrated nitric acid, hot concentrated hydrochloric acid, hot concentrated sulfuric acid, zirconium.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation. Ingestion.

Toxicity to Animals:

LD50: Not available. LC50: Not available.

Chronic Effects on Humans:

CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. May cause damage to the following organs: blood, kidneys, central nervous system (CNS).

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:

Acute Potential: Skin: Lead metal granules or dust: May cause skin irritation by mechanical action. Lead metal foil, shot or sheets: Not likely to cause skin irritation Eyes: Lead metal granules or dust: Can irritate eyes by mechanical action. Lead metal foil, shot or sheets: No hazard. Will not cause eye irritation. Inhalation: In an industrial setting, exposure to lead mainly occurs from inhalation of dust or fumes. Lead dust or fumes: Can irritate the upper respiratory tract (nose, throat) as well as the bronchi and lungs by mechanical action. Lead dust can be absorbed through the respiratory system. However, inhaled lead does not accumulate in the lungs. All of an inhaled dose is eventually absorbed or transferred to the gastrointestinal tract. Inhalation effects of exposure to fumes or dust of inorganic lead may not develop quickly. Symptoms may include metallic taste, chest pain, decreased physical fitness, fatigue, sleep disturbance, headache, irritability, reduces memory, mood and personality changes, aching bones and muscles, constipation, abdominal pains, decreasing appetite. Inhalation of large amounts may lead to ataxia, delirium, convulsions/seizures, coma, and death. Lead metal foil, shot, or sheets: Not an inhalation hazard unless metal is heated. If metal is heated, fumes will be released. Inhalation of these fumes may cause "fume metal fever", which is characterized by flu-like symptoms. Symptoms may include metallic taste, fever, nausea, vomiting, chills, cough, weakness, chest pain, generalized muscle pain/aches, and increased white blood cell count. Ingestion: Lead metal granules or dust: The symptoms of lead poisoning include abdominal pain or cramps (lead cholic), spasms, nausea, vomiting, headache, muscle weakness, hallucinations, distorted perceptions, "lead line" on the gums, metallic taste, loss of appetite, insomnia, dizziness and other symptoms similar to that of inhalation. Acute poisoning may result in high lead levels in the blood and urine, shock, coma and death in extreme cases. Lead metal foil, shot or sheets: Not an ingestion hazard for usual industrial handling.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations**Waste Disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information**Federal and State Regulations:**

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Lead California prop. 65 (no significant risk level): Lead: 0.0005 mg/day (value) California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Lead Connecticut hazardous material survey.: Lead Illinois toxic substances disclosure to employee act: Lead Illinois chemical safety act: Lead New York release reporting list: Lead Rhode Island RTK hazardous substances: Lead Pennsylvania RTK: Lead

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):

R20/22- Harmful by inhalation and if swallowed. R33- Danger of cumulative effects. R61- May cause harm to the unborn child. R62- Possible risk of impaired fertility. S36/37- Wear suitable protective clothing and gloves. S44- If you feel unwell, seek medical advice (show the label when possible). S53- Avoid exposure - obtain special instructions before use.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Last Updated: 11/01/2010 12:00 PM

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11.2 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.

11.2.1 Emergency Contact, Driving Directions and Map to Hospital

CONTACT INFORMATION

Emergency	911	
Hospital	718-616-3000	Coney Island 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	
New York State Department of Environmental Conservation	800-457-73682	Spill Hotline

Directions to Nearest Hospital from Project Site to Coney Island Hospital, 2601 Ocean Parkway, Brooklyn, New York is as follows:

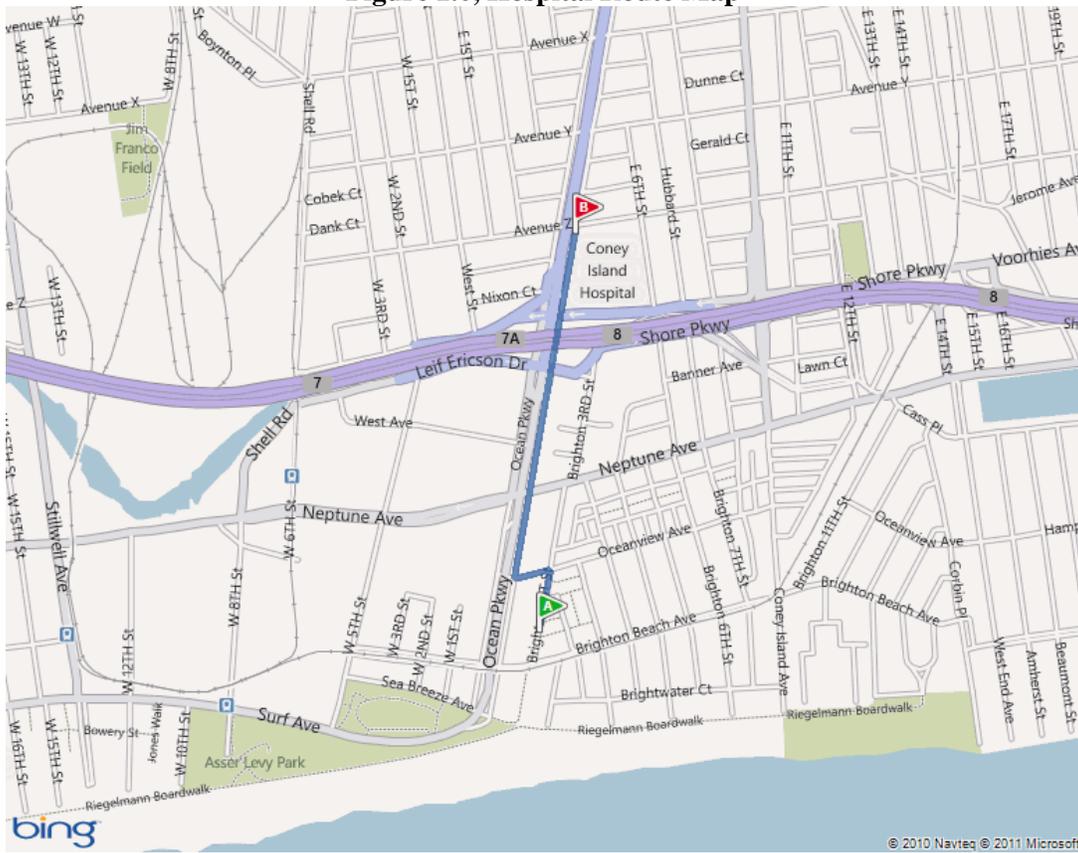
Summary: 0.7 miles (3 minutes)

1. Head **NORTH** on **BRIGHTON 1st STREET** go **0.1** mi
2. Turn **L** **LEFT** (west) on **OCEANVIEW AVENUE** go **315** ft.
3. Turn **R** **RIGHT** (north) on **OCEAN PARKWAY** go **0.5** mi

Cross over Leif Erickson Drive

4. Arrive at **2601 Ocean Parkway, Brooklyn**, on the **R** **Right**

Figure 1.0, Hospital Route Map



11.2.2 Utility Emergencies/Initiating Subsurface Investigation Work

Where necessary, utility mark outs will be called in via the One Call Center or to the individual companies listed below. These markings are viable for a period of 60 days (expected life of paint used to mark surfaces).

New York One-Call Center	1-800-272-4480	No-Cuts
Natural Gas Company	718-643-4050	KeySpan Energy
Telephone Company		Verizon
Electric Company	718-643-4050	KeySpan/Consolidated Edison

11.3 CONTINGENCY/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.

- 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.
- All staff will be evacuated from the Exclusion Zone.
- Air monitoring will be conducted down-wind of the Exclusion Zone.
- The NYSDEC, as well as any other Government regulatory agency whose need may be prompted by the particular situation, will be notified.
- 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.

11.4 EMERGENCY 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.

11.4.1 Standard Procedures for Injury

1. Notify the Site Safety Officer, Project Manager, and the Port Authority Police 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.

11.4.2 Chemical Exposure

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.

11.4.3 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.

11.4.4 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
- Ampoules 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

11.4.5 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

11.5 RECORD OF INJURIES INCURRED ON-SITE

11.5.1 Occupational Injuries and Illness 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.

11.5.2 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.

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

#1

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

sample manifest

4011

4. Generator's Ph

22

5. Transporter 1 Company Name

J & D Trucking

6. US EPA ID Number

A. Transporter's Phone

856-691-5145

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

sample

10. US EPA ID Number

C. Facility's Phone

856-935-7900

11. Waste Shipping Name and Description

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

a. Soil for Cover / Non-Hazardous / Non-Regulated

001 DT P

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

sample

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name

sample

Month Day Year

03 15 07

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

J & D Trucking

Signature

Month Day Year

03 15 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

. . .

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of Receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

. . .

GENERATOR

TRANSPORTER

FACILITY

OSHA Respirator Medical Evaluation Questionnaire

(Mandatory)

To the employee: Can you read (circle one): Yes / No

Your employer must allow you to answer this questionnaire during normal working hours, or at a time and place that is convenient to you. To maintain your confidentiality, your employer or supervisor must not look at or review your answers, and your employer must tell you how to deliver or send this questionnaire to the health care professional who will review it.

Part A. Section 1. (Mandatory)

The following information must be provided by every employee who has been selected to use any type of respirator (please print).

1. Today's date: _____
2. Your name: _____
3. Your age (to nearest year): _____
4. Sex (circle one): Male / Female
5. Your height: _____ ft. _____ in.
6. Your weight: _____ lbs.
7. Your job title: _____
8. A phone number where you can be reached by the health care professional who reviews this questionnaire (include the Area Code): _____
9. The best time to phone you at this number: _____
10. Has your employer told you how to contact the health care professional who will review this questionnaire (circle one): Yes / No
11. Check the type of respirator you will use (you can check more than one category):
 - a. _____ N, R, or P disposable respirator (filter-mask, non-cartridge type only).
 - b. _____ Other type (for example, half- or full-facepiece type, powered-air purifying, supplied-air or self-contained breathing apparatus).
12. Have you worn a respirator (circle one): Yes / No

If "yes," what type(s): _____

Part A. Section 2. (Mandatory)

Questions 1 through 9 below must be answered by every employee who has been selected to use any type of respirator (please circle "yes" or "no").

1. Do you currently smoke tobacco, or have you smoked tobacco in the last month: Yes / No

2. Have you ever had any of the following conditions?
 - a. Seizures (fits): Yes / No
 - b. Diabetes (sugar disease): Yes / No
 - c. Allergic reactions that interfere with your breathing: Yes / No
 - d. Claustrophobia (fear of closed-in places): Yes / No
 - e. Trouble smelling odors: Yes / No

3. Have you ever had any of the following pulmonary or lung problems?
 - a. Asbestosis: Yes / No
 - b. Asthma: Yes / No
 - c. Chronic bronchitis: Yes / No
 - d. Emphysema: Yes / No
 - e. Pneumonia: Yes / No
 - f. Tuberculosis: Yes / No
 - g. Silicosis: Yes / No
 - h. Pneumothorax (collapsed lung): Yes / No
 - i. Lung cancer: Yes / No
 - j. Broken ribs: Yes / No
 - k. Any chest injuries or surgeries: Yes / No
 - l. Any other lung problem that you've been told about: Yes / No

4. Do you currently have any of the following symptoms of pulmonary or lung illness?
 - a. Shortness of breath: Yes / No
 - b. Shortness of breath when walking fast on level ground or walking up a slight hill or incline: Yes / No
 - c. Shortness of breath when walking with other people at an ordinary pace on level ground: Yes / No

- d. Have to stop for breath when walking at your own pace on level ground: Yes / No
- e. Shortness of breath when washing or dressing yourself: Yes / No
- f. Shortness of breath that interferes with your job: Yes / No
- g. Coughing that produces phlegm (thick sputum): Yes / No
- h. Coughing that wakes you early in the morning: Yes / No
- i. Coughing that occurs mostly when you are lying down: Yes / No
- j. Coughing up blood in the last month: Yes / No
- k. Wheezing: Yes / No
- l. Wheezing that interferes with your job: Yes / No
- m. Chest pain when you breathe deeply: Yes / No
- n. Any other symptoms that you think may be related to lung problems: Yes / No
5. Have you ever had any of the following cardiovascular or heart problems?
- a. Heart attack: Yes / No
- b. Stroke: Yes / No
- c. Angina: Yes / No
- d. Heart failure: Yes / No
- e. Swelling in your legs or feet (not caused by walking): Yes / No
- f. Heart arrhythmia (heart beating irregularly): Yes / No
- g. High blood pressure: Yes / No
- h. Any other heart problem that you've been told about: Yes / No
6. Have you ever had any of the following cardiovascular or heart symptoms?
- a. Frequent pain or tightness in your chest: Yes / No
- b. Pain or tightness in your chest during physical activity: Yes / No
- c. Pain or tightness in your chest that interferes with your job: Yes / No
- d. In the past two years, have you noticed your heart skipping or missing a beat: Yes / No
- e. Heartburn or indigestion that is not related to eating: Yes / No
- f. Any other symptoms that you think may be related to heart or circulation problems: Yes / No

7. Do you currently take medication for any of the following problems?
- a. Breathing or lung problems: Yes / No
 - b. Heart trouble: Yes / No
 - c. Blood pressure: Yes / No
 - d. Seizures (fits): Yes / No
8. If you've used a respirator, have you ever had any of the following problems? (If you've never used a respirator, check the following space _____ and go to question 9:)
- a. Eye irritation: Yes / No
 - b. Skin allergies or rashes: Yes / No
 - c. Anxiety: Yes / No
 - d. General weakness or fatigue: Yes / No
 - e. Any other problem that interferes with your use of a respirator: Yes / No
9. Would you like to talk to the health care professional who will review this questionnaire about your answers to this questionnaire? Yes / No

Questions 10 to 15 below must be answered by every employee who has been selected to use either a full-facepiece respirator or a self-contained breathing apparatus (SCBA). For employees who have been selected to use other types of respirators, answering these questions is voluntary.

10. Have you ever lost vision in either eye (temporarily or permanently): Yes / No
11. Do you currently have any of the following vision problems?
- a. Wear contact lenses: Yes / No
 - b. Wear glasses: Yes / No
 - c. Color blind: Yes / No
 - e. Any other eye or vision problem: Yes / No
12. Have you ever had an injury to your ears, including a broken ear drum: Yes / No
13. Do you currently have any of the following hearing problems?
- a. Difficulty hearing: Yes / No
 - b. Wear a hearing aid: Yes / No
 - c. Any other hearing or ear problem: Yes / No

14. Have you ever had a back injury: Yes / No
15. Do you currently have any of the following musculoskeletal problems?
- a. Weakness in any of your arms, hands, legs, or feet: Yes / No
 - b. Back pain: Yes / No
 - c. Difficulty fully moving your arms and legs: Yes / No
 - d. Pain or stiffness when you lean forward or backward at the waist: Yes / No
 - e. Difficulty fully moving your head up or down: Yes / No
 - f. Difficulty fully moving your head side to side: Yes / No
 - g. Difficulty bending at your knees: Yes / No
 - h. Difficulty squatting to the ground: Yes / No
 - i. Climbing a flight of stairs or a ladder carrying more than 25 lbs: Yes / No
 - j. Any other muscle or skeletal problem that interferes with using a respirator: Yes / No

OSHA Respirator Medical Evaluation Supplementary Questionnaire (Optional)

Any of the following questions, and other questions not listed, may be added to the questionnaire at the discretion of the health care professional who will review the questionnaire.

1. In your present job, are you working at high altitudes (over 5,000 feet) or in a place that has lower than normal amounts of oxygen: Yes / No

If "yes," do you have feelings of dizziness, shortness of breath, pounding in your chest, or other symptoms when you're working under these conditions: Yes / No

2. At work or at home, have you ever been exposed to hazardous solvents, hazardous airborne chemicals (e.g., gases, fumes, or dust), or have you come into skin contact with hazardous chemicals: Yes / No

If "yes," name the chemicals if you know them:

3. Have you ever worked with any of the materials, or under any of the conditions, listed below:

a. Asbestos: Yes / No

b. Silica (e.g., in sandblasting): Yes / No

c. Tungsten/cobalt (e.g., grinding or welding this material): Yes / No

d. Beryllium: Yes / No

e. Aluminum: Yes / No

f. Coal (for example, mining): Yes / No

g. Iron: Yes / No

h. Tin: Yes / No

i. Dusty environments: Yes / No

j. Any other hazardous exposures: Yes / No

If "yes," describe these exposures: _____

4. List any second jobs or side businesses you have: _____

5. List your previous occupations: _____

6. List your current and previous hobbies: _____

7. Have you been in the military services? Yes / No

If "yes," were you exposed to biological or chemical agents (either in training or combat): Yes / No

8. Have you ever worked on a HAZMAT team? Yes / No

9. Other than medications for breathing and lung problems, heart trouble, blood pressure, and seizures mentioned earlier in this questionnaire, are you taking any other medications for any reason (including over-the-counter medications): Yes / No

If "yes," name the medications if you know them: _____

10. Will you be using any of the following items with your respirator(s)?

a. HEPA Filters: Yes / No

b. Canisters (for example, gas masks): Yes / No

c. Cartridges: Yes / No

11. How often are you expected to use the respirator(s) (circle "yes" or "no" for all answers that apply to you)?:

a. Escape only (no rescue): Yes / No

b. Emergency rescue only: Yes / No

c. Less than 5 hours per week: Yes / No

d. Less than 2 hours per day: Yes / No

e. 2 to 4 hours per day: Yes / No

f. Over 4 hours per day: Yes / No

12. During the period you are using the respirator(s), is your work effort:

a. Light (less than 200 kcal per hour): Yes / No

If "yes," how long does this period last during the average shift: _____ hrs. _____ mins.

Examples of a light work effort are sitting while writing, typing, drafting, or performing light assembly work; or standing while operating a drill press (1-3 lbs.) or controlling machines.

b. Moderate (200 to 350 kcal per hour): Yes / No

If "yes," how long does this period last during the average shift: _____ hrs. _____ mins.
Examples of moderate work effort are sitting while nailing or filing; driving a truck or bus in urban traffic; standing while drilling, nailing, performing assembly work, or transferring a moderate load (about 35 lbs.) at trunk level; walking on a level surface about 2 mph or down a 5-degree grade about 3 mph; or pushing a wheelbarrow with a heavy load (about 100 lbs.) on a level surface.

c. Heavy (above 350 kcal per hour):

Yes / No

If "yes," how long does this period last during the average shift: _____ hrs. _____ mins.
Examples of heavy work are lifting a heavy load (about 50 lbs.) from the floor to your waist or shoulder; working loading dock; shoveling; standing while bricklaying or chipping castings; walking up an 8-degree grade about 2 mph; climbing stairs with a heavy load (about 50 lbs.).

13. Will you be wearing protective clothing and/or equipment (other than the respirator) when you're using your respirator:

Yes / No

If "yes," describe this protective clothing and/or equipment: _____

14. Will you be working under hot conditions (temperature exceeding 77 deg. F):

Yes / No

15. Will you be working under humid conditions:

Yes / No

16. Describe the work you'll be doing while you're using your respirator(s): _____

17. Describe any special or hazardous conditions you might encounter when you're using your respirator(s) (for example, confined spaces, life-threatening gases):

18. Provide the following information, if you know it, for each toxic substance that you'll be exposed to when you're using your respirator(s):

Name of the first toxic substance: _____

Estimated maximum exposure level per shift: _____

Duration of exposure per shift _____

Name of the second toxic substance: _____

Estimated maximum exposure level per shift: _____

Duration of exposure per shift: _____

Name of the third toxic substance: _____

Estimated maximum exposure level per shift: _____

Duration of exposure per shift: _____

The names of any other toxic substances that you'll be exposed to while using your respirator: _____

19. Describe any special responsibilities you'll have while using your respirator(s) that may affect the safety and well-being of others (for example, rescue, security):

Appendix D to Sec. 1910.134 (Non-Mandatory)

Information for Employees Using Respirators When Not Required Under the Standard

Respirators are an effective method of protection against designated hazards when properly selected and worn. Respirator use is encouraged, even when exposures are below the exposure limit, to provide an additional level of comfort and protection for workers. However, if a respirator is used improperly or not kept clean, the respirator itself can become a hazard to the worker. Sometimes, workers may wear respirators to avoid exposures to hazards, even if the amount of hazardous substance does not exceed the limits set by OSHA standards. If your employer provides respirators for your voluntary use, or if you provide your own respirator, you need to take certain precautions to be sure that the respirator itself does not present a hazard.

You should do the following:

1. Read and heed all instructions provided by the manufacturer on use, maintenance, cleaning and care, and warnings regarding the respirators limitations.
2. Choose respirators certified for use to protect against the contaminant of concern. NIOSH, the National Institute for Occupational Safety and Health of the U.S. Department of Health and Human Services, certifies respirators. A label or statement of certification should appear on the respirator or respirator packaging. It will tell you what the respirator is designed for and how much it will protect you.
3. Do not wear your respirator into atmospheres containing contaminants for which your respirator is not designed to protect against. For example, a respirator designed to filter dust particles will not protect you against gases, vapors, or very small solid particles of fumes and smoke.
4. Keep track of your respirator so that you do not mistakenly use someone else's respirator.

**Occupational Safety and Health Administration
Supplementary Record of
Occupational Injuries and Illnesses**

U.S. Department of Labor



This form is required by Public Law 91-596 and must be kept in the establishment for 5 years.
Failure to maintain can result in the issuance of citations and assessment of penalties.

Case or File No.

Form Approved
O.M.B. No. 1218-0176

Employer

See OMB Disclosure
Statement on reverse.

1. Name

2. Mail address (No. and street, city or town, State, and zip code)

3. Location, if different from mail address

Injured or Ill Employee

4 Name (First, middle, and last)

Social Security No.

5. Home address (No. and street, city or town, State, and zip code)

6. Age

7. Sex (Check one)

Male _____

Female _____

8. Occupation (Enter regular job title, not the specific activity he was performing at the time of injury.)

9. Department (Enter name of department or division in which the injured person is regularly employed, even though he may have been temporarily working in another department at the time of injury.)

The Accident or Exposure to Occupational Illness

If accident or exposure occurred on employer's premises, give address of plant or establishment in which it occurred. Do not indicate department or division within the plant or establishment.

If accident occurred outside employer's premises at an identifiable address, give that address. If it occurred on a public highway or at any other place which cannot be identified by number and street, please provide place references locating the place of injury as accurately as possible.

10. Place of accident or exposure (No. and street, city or town, State, and zip code)

11. Was place of accident or exposure on employer's premises?

Yes _____

No _____

12. What was the employee doing when injured? (Be specific. If he was using tools or equipment or handling material, name them and tell what he was doing with them.)

13. How did the accident occur? (Describe fully the events which resulted in the injury or occupational illness. Tell what happened and how it happened. Name any objects or substances involved and tell how they were involved. Give full details on all factors which led or contributed to the accident. Use separate sheet for additional space.)

Occupational Injury or Occupational Illness

14. Describe the injury or illness in detail and indicate the part of body affected. (E.g., amputation of right index finger at second joint; fracture of ribs; lead poisoning; dermatitis of left hand, etc.)

15. Name the object or substance which directly injured the employee. (For example, the machine or thing he struck against or which struck him; the vapor or poison he inhaled or swallowed; the chemical or radiation which irritated his skin; or in cases of strains, hernias, etc., the thing he was lifting, pulling, etc.)

16. Date of injury or initial diagnosis of occupational illness

17. Did employee die? (Check one)

Yes _____

No _____

Other

18. Name and address of physician

19. If hospitalized, name and address of hospital

Date of report

Prepared by

Official position

SUPPLEMENTARY RECORD OF OCCUPATIONAL INJURIES AND ILLNESSES

To supplement the Log and Summary of Occupational Injuries and Illnesses (OSHA No. 200), each establishment must maintain a record of each recordable occupational injury or illness. Worker's compensation, insurance, or other reports are acceptable as records if they contain all facts listed below or are supplemented to do so. If no suitable report is made for other purposes, this form (OSHA No. 101) may be used or the necessary facts can be listed on a separate plain sheet of paper. These records must also be available in the establishment without delay and at reasonable times for examination by representatives of the Department of Labor and the Department of Health and Human Services, and States accorded jurisdiction under the Act. The records must be maintained for a period of not less than five years following the end of the calendar year to which they relate.

Such records must contain at least the following facts:

- 1) About the employer - name, mail address, and location if different from mail address.
- 2) About the injured or ill employee - name, social security number, home address, age, sex, occupation, and department.
- 3) About the accident or exposure to occupational illness - place of accident or exposure, whether it was on employer's premises, what the employee was doing when injured, and how the accident occurred.
- 4) About the occupational injury or illness - description of the injury or illness, including part of the body affected, name of the object or substance which directly injured the employee; and date of injury or diagnosis of illness.
- 5) Other - name and address of physician; if hospitalized, name and address of hospital, date of report; and name and position of person preparing the report.

SEE *DEFINITIONS* ON THE BACK OF OSHA FORM 200.

OMB DISCLOSURE STATEMENT

Public reporting burden for this collection of information is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments regarding this estimate or any other aspect of this information collection, including suggestions for reducing this burden, please send them to the OSHA Office of Statistics, Room N3644, 200 Constitution Avenue, NW, Washington, DC 20210

DO NOT SEND THE COMPLETED FORM TO THE OFFICE SHOWN ABOVE

ACCIDENT REPORT FORM

Employee(s) name(s):

Time & date of accident/incident:

Job title(s) and department(s):

Supervisor/lead person:

Witnesses:

Brief description of the accident or incident:

Indicate body part(s) affected:

Did the injured employee(s) see a doctor? () Yes () No

If yes, did you file an employer's portion of a worker's compensation form? () Yes () No

Did the injured employee(s) go home during their work shift? () Yes () No

If yes, list the date and time injured employee(s) left Job(s):

Supervisor's Comments:

What could have been done to prevent this accident/incident?

Have the unsafe conditions been corrected? () Yes () No

If yes, what has been done?

If no, what needs to be done?

Employer or Supervisor's signature:

Date:

Additional comments/notes:

APPENDIX E

PROPOSED DEVELOPMENT PLANS

Revision No.	Date	Remarks

LEGEND

- PROPERTY LINE
- x- CHAINLINK FENCE
- EXISTING BUILDING LINE
- W-W- EXISTING WATER MAIN
- S-S- PROPOSED STORM LINE
- G-G- EXISTING GAS MAIN
- E-E- EXISTING ELECTRIC MAIN
- EXISTING CURB
- <EL.=7.41'> PROPOSED ELEVATION
- EL.=7.28' EXISTING ELEVATION
- EXISTING TREE
- ⊕ HYDRANT
- ⊕ EXISTING UTILITY POLE
- ⊕ EXISTING LIGHT POLE

SITE PLAN NOTES

- All matters and bounds information shown on this site plan has been taken from land survey prepared by Vincent M. Teutonico, PC, 100-A Broadway, Brooklyn, NY 11211 Lic # 050307. The architect assumed no responsibility for its accuracy.
- Proposed construction shall have no effect on any existing structures or surface facilities located on adjoining lots.
- All excavated materials shall be placed temporarily in a site which will not endanger any existing trees or topographic features designated for preservation.
- All open areas on the zoning lot not paved shall be 100% sodded.
- The owner/builder of the property shown on this plan has stated that all work performed under this application will have no adverse effect on any surrounding properties concerning the runoff of storm water.
- Fire hydrant is located within 250'-0" of all proposed building entrances.
- All finished grades shown on the final survey of the referenced property shall conform to elevations shown as proposed grade on this site plan. Poured concrete curb walls shall be installed at all locations shown on this site plan in accordance with details outlined on general notes.
- All area and yard drains to be installed at the locations shown on the site plan. All drains, top flanges, etc. shall be B.S.A. or M.E.A. approved types.
- Water meters shall be installed in accordance with any N.Y.C. agency having jurisdiction.

APPLICATION # 310041816
 WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY:
PL, MH, BL, SD, SP, FA

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

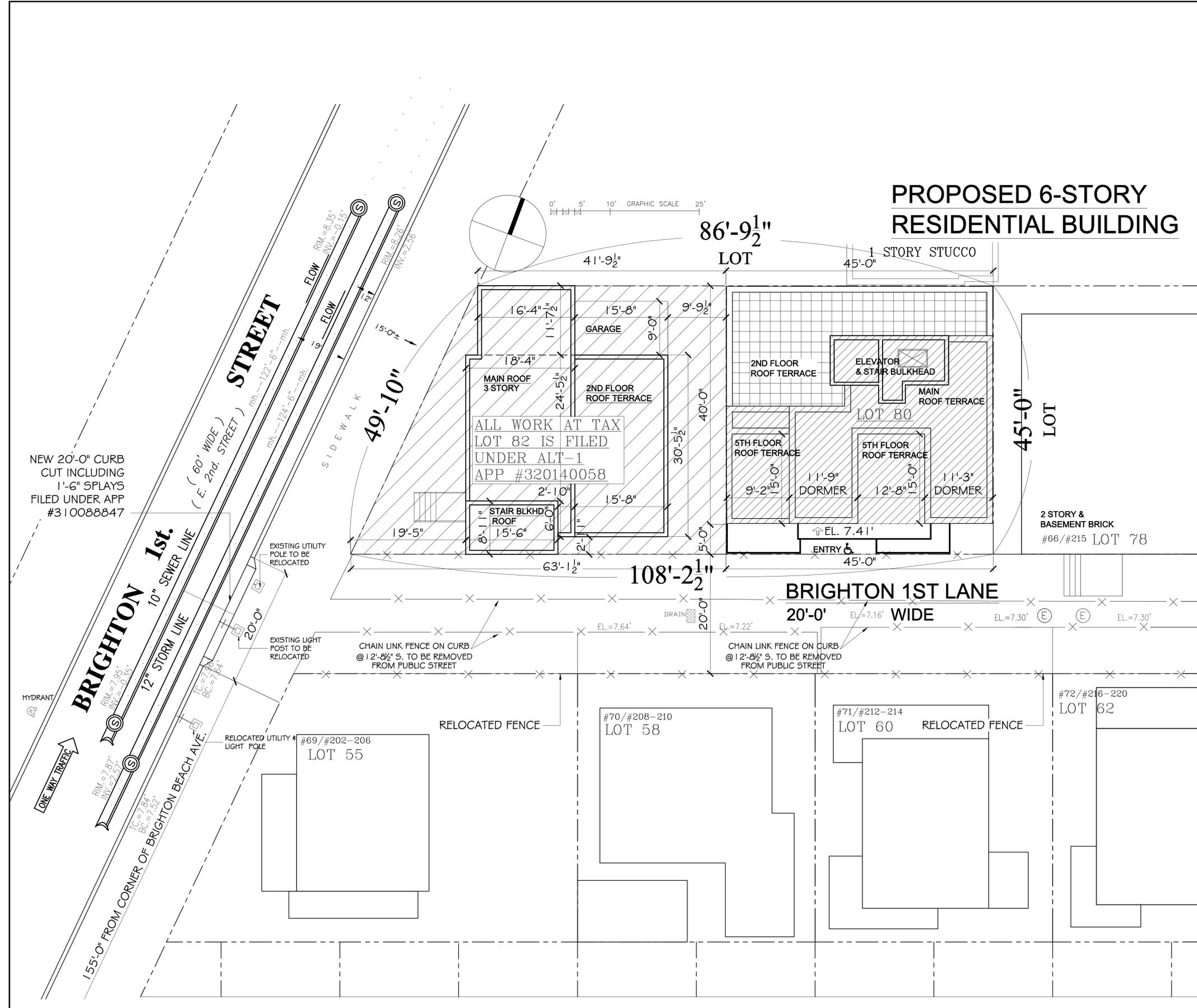
SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES ARCHITECTS
 110 York Street, Brooklyn, NY 11201
 Phone (718) 222-0322 Fax (718) 222-4486

Project:
**PROPOSED PROJECT AT:
 67 BRIGHTON 1ST LANE
 BROOKLYN, NY**

Title:
PROPOSED SITE PLAN & NOTES

Checked: RMS	Date: 09/10/07
Signature:	Scale:
Seal:	Drawn:
	Job# 27164
	Draw # S-001



2 SITE PLAN
 1/8"=1'-0"

BUILDING CODE NOTES

- ALL MATERIALS, ASSEMBLIES, FORMS AND METHODS OF CONSTRUCTION AND SERVICE EQUIPMENT SHALL COMPLY WITH THE REQUIREMENTS OF THE SECTION C27-130.
- ALL ELEVATIONS INDICATED ARE ACTUAL ELEVATIONS AND REFER TO DATUM USED BY TOPOGRAPHICAL BUREAU, BOROUGH PRESIDENT'S OFFICE, MANHATTAN, WHICH IS 2.75' ABOVE THE U.S. COAST AND GEODETIC SURVEY MEAN SEA LEVEL DATUM AT SANDY HOOK.
- AT LEAST 24 HOUR WRITTEN NOTICE SHALL BE GIVEN TO THE COMMISSIONER BEFORE COMMENCEMENT OF WORK (C27-195).
- FIVE DAYS PRIOR NOTICE SHALL BE GIVEN TO ADJOINING LOT OWNERS AFFECTED BY FOUNDATION, EARTHWORK OR DEMOLITION (C27-165 & C27-169).
- ALL PAVED WALKS, SURFACES AND AREAWAYS WILL BE DRAINED ADEQUATELY WITHIN THE SITE.
- WHERE PIPES, WIRES, CONDUITS, DUCTS, ETC. PIERCE FIRE PROTECTION OF INDIVIDUALLY ENCASED STRUCTURAL MEMBERS, SUCH PENETRATION SHALL NOT EXCEED 2% OF ANY ONE FACE OF SUCH PROTECTION, AND SHALL BE CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS OR PLATES. (C27-324A).
- CEILINGS THAT CONTRIBUTE TO THE REQUIRED FIRE-RESISTANCE RATING OF A FLOOR OR ROOF ASSEMBLY SHALL BE CONTINUOUS BETWEEN FIRE DIVISION, FIRE SEPARATIONS OR VERTICAL PARTITIONS HAVING THE SAME FIRE RESISTANCE RATING AS THE CEILING. CONCEALED SPACE NOT EXCEEDING ABOVE SUCH CEILING, UNLESS SPRINKLERED, SHALL BE FIRE STOPPED INTO AREAS 3,000 SQUARE FEET, PROTECTED BY SELF-CLOSING OPENING PROTECTIVES (C27-327).
- DUCTS, PIPES, AND CONDUITS PASSING THROUGH RATED CONSTRUCTION SHALL HAVE SPACES NOT EXCEEDING 1/2 INCH PACKED WITH ROPE ASBESTOS OR MINERAL WOOL AND CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS. AGGREGATE AREA OF SUCH OPENING SHALL NOT EXCEED 25 SQUARE INCHES IN ANY 100 SQUARE FEET OF WALL OR FLOOR AREAS UNLESS PROTECTED BY RATED SELF-CLOSING DEVICES (C27-343).
- FIRE DIVISIONS SHALL COMPLY WITH PROVISIONS OF SECTION C27-340 AND SHALL BE CONTINUOUS THROUGH ANY CONCEALED SPACE IN FLOOR OR ROOF CONSTRUCTION.
- TENANTS NOT SEPARATED BY FIRE DIVISIONS, SHALL BE SEPARATED BY FIRE SEPARATIONS, BUT NOT LESS THAN ONE HOUR SEPARATIONS SHALL CONTINUE THROUGH CONCEALED SPACES ABOVE (C27-341).
- OPENING IN FIRE DIVISIONS AND SEPARATIONS TO COMPLY WITH SECTION C27-342.
- CONCEALED SPACES WITHIN PARTITIONS, WALLS, FLOORS, STAIR, FURRING, PIPE SPACES, COLUMN ENCLOSURES, ETC., SHALL BE FIRE STOPPED (EXCEPT WHERE CONCEALED SPACE IS SPRINKLERED) WITH NON-COMBUSTIBLE MATERIAL. (C27-351)
- FINISHED FLOORING IN ALL EXITS SHALL BE OF NON-COMBUSTIBLE MATERIAL (C27-351).
- ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES.
- STAIRS SHALL HAVE HANDRAILS ON EACH SIDE (EXCEPT THAT STAIRS LESS THAN 44 INCHES WIDE SHALL HAVE A HANDRAIL ON ONE SIDE ONLY). HANDRAILS SHALL PROVIDE A FINGER CLEARANCE OF 1 1/2 INCHES AND SHALL PROJECT NOT MORE THAN 3 1/2 INCHES INTO REQUIRED STAIR WIDTH. STAIRS MORE THAN 88 INCHES WIDE SHALL HAVE INTERMEDIATE HANDRAILS. HEIGHT OF HANDRAIL SHALL BE BETWEEN 30 AND 34 INCHES ABOVE THE TREAD NOSING. MATERIALS OF HANDRAILS SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 150. HANDRAILS SHALL BE DESIGNED TO RESIST A SIMULTANEOUS APPLICATION OF A LATERAL FORCE OF 40#/L.F. AND VERTICAL LOAD OF 50#/L.F. LANDINGS AND PLATFORMS SHALL BE ENCLOSED ON SIDES BY WALL OR RAILINGS, AT LEAST 3-0" HIGH. RISERS SHALL BE MAXIMUM 7 3/4" HIGH, TREADS MINIMUM 9 1/2" WIDE, EXCLUSIVE OF NOSING AND THE SUM OF 2 RISERS PLUS ONE TREAD EXCLUSIVE OF NOSING SHALL BE NOT LESS THAN 24 NOR MORE THAN 25 1/2.
- TREADS AND LANDING SHALL BE BUILT OF/OR SURFACED WITH NONSKID MATERIALS.
- ILLUMINATION OF AT LEAST 5 FOOT CANDLES MEASURED AT THE FLOOR LEVEL SHALL BE MAINTAINED CONTINUOUSLY DURING OCCUPANCY, IN EXITS AND THEIR ACCESS FACILITIES (C27-381).
- EXIT LIGHTING SHALL BE ON CIRCUITS, TAKEN OFF AHEAD OF MAIN SWITCH.
- LOCATION OF EVERY EXIT ON FLOOR SHALL BE CLEARLY INDICATED BY EXIT SIGNS PLACED IF REQUIRED AT ANGLE WITH EXIT OPENINGS. INSTALL DIRECTIONAL SIGNS TO SERVE AS GUIDES FROM ALL PORTIONS OF THE CORRIDOR OPENING ON FLOOR (C27-383).
- EXIT SIGNS SHALL BE INTERNALLY LIGHTED, HAVING AN INITIAL BRIGHTNESS OR LETTER OF AT LEAST 25 FOOT LAMBERTS. LETTERS SHALL BE RED, THE BACKGROUND SHALL BE WHITE. LETTERS SHALL BE BLOCK LETTERING AT LEAST 4 1/2" HIGH, WITH 9/16" STROKES BACKGROUND.
- CORRIDORS AND EXIT PASSAGEWAYS SHALL HAVE A CLEAR HEIGHT OF 7'-6" FOR AT LEAST 75% OF THE FLOOR AREA WITH NO POINT LESS THAN 7 FEET IN HEIGHT. PROJECTION BELOW THE CEILING SHALL NOT OBSTRUCT FULL VIEW OF EXIT SIGNS (C27-369B).
- CONDUITS IN FIRE-RATED PARTITIONS WILL NOT EXCEED 3/4 INCH DIAMETER. OUTLETS IN SUCH PARTITIONS WILL BE BACKED UP WITH APPROVED MATERIALS.
- NO CONDUITS, PIPES, MEDICINE CABINETS, ETC., SHALL ENCRATCH UPON FIRE RATED PARTITIONS ENCLOSING PUBLIC CORRIDORS, STAIRS, ELEVATOR SHAFTS OR VENT SHAFTS.
- EXIT DOORS SHALL BE READILY OPERABLE AT ALL TIMES FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE. DOORS OPENING INTO INTERIOR ENCLOSED STAIRS SHALL NOT BE LOCKED FROM TENANT SIDE, EXCEPT THEY MAY BE LOCKED TO PREVENT ACCESS TO THE STAIR FROM THE OUTDOORS AT STREET LEVEL.
- ALL WIRE GLASS IN RATED DOORS AND WINDOWS WILL BE OF A TYPE APPROVED BY THE B.S.A.
- ALL CLEANING OF WINDOWS WILL BE IN CONFORMITY WITH THE

- WINDOW CLEANING CODE.
- PENETRATION OF OPENINGS IN WALLS, PARTITIONS, OR FLOORS FOR PIPE SLEEVES, MEDICINE CABINETS, HAMPERS, ELECTRIC DEVICES, ETC., SHALL BE PACKED, SEALED, LINED, OR OTHERWISE ISOLATED TO MAINTAIN THE REQUIRED S.T.C. RATING.
- MASONRY MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF RS 10-1, SECTION 3. MORTAR TO BE TYPE "N".
- THE DESIGN OF MASONRY WALLS IS PREDICATED UPON ANALYSIS OF STRESSES AS PER RS 10-1, SEC. 4.
- ALL MASONRY LOAD BEARING AND NON-LOAD BEARING WALLS SHALL BE BONDED IN ACCORDANCE WITH SECTION 7, RS 10-1.
- CONTRACTOR SHALL CHECK ALL CONDITIONS AND DIMENSIONS AT SITE BEFORE COMMENCING CONSTRUCTION. ARCHITECT SHALL BE NOTIFIED OF ANY ERROR OR OMISSIONS BEFORE WORK IN QUESTION IS STARTED.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED PRIOR TO STARTING THE WORK AND ALSO OBTAIN THE CERTIFICATE OF OCCUPANCY.
- REMOVE ALL EXISTING WALLS, PARTITIONS, DOORS, FLOORING, CEILINGS, FIXTURES, ETC. AS SHOWN ON DRAWINGS OR AS REQUIRED TO INSTALL NEW WORK.
- WHERE EXISTING BEARING WALLS, BEAMS OR ANY OTHER STRUCTURAL SUPPORT OF THE EXISTING BUILDING IS BEING REMOVED, CONTRACTOR SHALL DO ALL NECESSARY SHORING, NEEDLING, UNDERPINNING, ETC. AS REQUIRED TO MAINTAIN THE SAFETY OF THE STRUCTURE, THE WORKERS, AND THE GENERAL PUBLIC.
- PATCH AND REPAIR EXISTING CONSTRUCTION WHERE DISTURBED BY NEW WORK AND AS CALLED FOR ON DRAWINGS.
- ALL SUCH MATERIALS DESIGNATED FOR "CONTROLLED INSPECTION" SHALL BE INSPECTED BY AN ARCHITECT OR ENGINEER RETAINED BY THE OWNER.
- ORNAMENTAL PROJECTIONS AND DOOR SWINGS SHALL NOT PROJECT MORE THAN 18" BEYOND THE BUILDING LINE.
- INTERIOR FINISHES, EXCEPT FINISHED FLOORING, FLOOR COVERINGS, WALL COVERINGS AND COATING LESS THAN .036 IN TOTAL THICKNESS, SHALL HAVE A FLAME SPREAD RATING NOT GREATER THAN THAT OF THE FOLLOWING INTERIOR FINISH CLASSES:
- LOCATION CLASS J-2
EXITS AND SHAFTS A (0-25)
ROOMS GREATER THAN 1500 SQ. FEET B (26-75)
ROOMS LESS THAN 1500 SQ. FEET B (26-75)
- ALL NEW STEEL RESTING ON MASONRY SHALL HAVE THREE COURSES OF BRICK UNDER SAME AND BEARING PLATES UNDER STEEL.
- ALL REINFORCED CONCRETE MATERIALS, DESIGNS AND CONSTRUCTION SHALL BE AS PER ACT 318, 1963 EDITION WITH MODIFICATIONS PER RS 10-3.
- PLAIN CONCRETE SHALL HAVE A MINIMUM FACTOR OF FIVE BAGS PER CUBIC YARD AND SHALL DEVELOP A STRENGTH OF 2,500 P.S.I. AS PER TABLE 10.3, AND A WATER-CEMENT RATIO SLUMP OF 5:1. OTHER CONCRETE REQUIREMENTS ARE LISTED ON THE STRUCTURAL DRAWINGS.
- THREE TEST CYLINDERS SHALL BE PROVIDED FOR EACH FIFTY CUBIC YARDS OF CONCRETE PLACED IN ONE DAY, AS PER RS 10.
- ALL STRUCTURAL STEEL FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST ASTM SPECIFICATIONS FOR A-36 AND A-50 STEEL.]
- CONTRACTOR SHALL FILE THE AFFIDAVIT OF THE PRODUCER OF STEEL, CERTIFYING THAT THE PROVISIONS OF THE LOCAL CODE ARE MET.
- ALL CONNECTIONS SHALL BE 3/4" BOLTS OR GREATER, AS REQUIRED.
- ALL STEEL SURFACES NOT IN CONTACT WITH CONCRETE, SHALL RECEIVE ONE SHOP COAT OF APPROVED PAINT.
- ALL WELDING TO BE PERFORMED BY N.Y.C. LICENSED WELDERS.
- LINTELS OVER OPENINGS WIDER THAN FOUR FEET IN MASONRY WALLS SHALL BE FIRE-PROTECTED WITH MATERIALS HAVING THE REQUIRED FIRE RESISTANCE RATING OF THE WALL SUPPORTED.
- NEW MASONRY SHALL BE LAID UP IN TYPE M OR S PORTLAND CEMENT MORTAR, 1:3 MIX WITH NOT MORE THAN 10% LIME BY VOLUME, AS PER RS 10-46, ASTM C270, 1964.
- BRICK SHALL BE ANCHORED TO BLOCK WITH TRUSS-TYPE GALVANIZED METAL ANCHORS EVERY 160 SQUARE INCHES.
- BLOCK WALLS SHALL HAVE "DUR-O-WALL" METAL WALL TIES EVERY OTHER BLOCK COURSE.
- A MINIMUM OF THREE COURSES OF BRICK SHALL BE PROVIDED UNDER ALL JOISTS RESTING ON MASONRY.
- ALL PLUMBING WORK SHALL BE PERFORMED BY A LICENSED PLUMBER AND SHALL CONFORM TO ALL CODE REQUIREMENTS.
- ALL FIXTURES SHALL BE PROPERLY VENTED AND SHALL HAVE SHUT-OFF VALVES AT EACH FIXTURE WITH WATER SUPPLY IN COPPER PIPES.
- ALL SOIL, WASTE AND VENT LINES IN FLOOR 2" AND LARGER, SHALL BE E.H.C.I., AND SHALL HAVE CLEAN OUTS AT THE BASE OF ALL LINES. VENTS SHALL PROJECT THROUGH THE ROOF, 4"-0".
- TEMPERATURE REQUIREMENTS SHALL BE A 70 DEGREE INSIDE TEMPERATURE WHEN 0 DEGREES OUTSIDE, FOR ALL OCCUPIED AREAS.
- VENTILATION OF TOILETS SHALL COMPLY WITH CODE.
- ALL DUCTWORK AND FIRE DAMPERS SHALL COMPLY WITH CODE.
- ALL SERVICE EQUIPMENT SHALL MEA APPROVED AND AN EQUIPMENT USE PERMIT SHALL BE OBTAINED BY THE INSTALLATION CONTRACTOR FOR ALL SUCH EQUIPMENT.
- ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL CONFORM WITH ALL LOCAL LAWS, THE NATIONAL ELECTRICAL CODE AND LOCAL UTILITY'S REQUIREMENTS.
- ALL PARTITIONS TO BE WEDGED TIGHTLY TO CEILING.
- PLATE GLASS TO COMPLY WITH SECTION C26-550.2.
- GLASS DOORS TO COMPLY WITH 501-68 SR AS APPROVED BY THE B.S.A.
- HUNG CEILING TO COMPLY WITH SECTION C27-350 & RS 5-16.
- HUNG CEILING TO BE OF INCOMBUSTIBLE MATERIAL.

- PROVIDE B.S.A. APPROVED TYPE PHOSPHORESCENT EXIT LIGHTS AND SIGNS AS PER SECTION C26-607.1.
- PROVIDE FLOOR NUMBERING SIGNS AS PER SECTION C27-394.
- PROVIDE STAIR IDENTIFICATION SIGNS AS PER SECTION C27-393.
- COMPLY WITH LOCAL LAW 76 FOR ASBESTOS.
- COMPLY WITH LOCAL LAW 58 FOR HANDICAPPED ACCESSIBILITY.
- UPON COMPLETION OF WORK, OWNER SHALL OBTAIN A CERTIFICATE OF OCCUPANCY FROM THE BUILDING DEPARTMENT.

TENANT SAFETY NOTES

- BUILDING TO BE VACCANT DURING CONSTRUCTION.

HOUSING MAINTENANCE CODE NOTES

- THE OWNER OF THE MULTIPLE DWELLINGS SHALL KEEP THE PREMISES IN GOOD REPAIR.
- THE OWNER SHALL KEEP THE ROOF, YARDS, COURTS & OTHER OPEN SPACES CLEAN & FREE FROM DIRT, FILTH, GARBAGE OR OTHER OFFENSIVE MATERIALS.
- PAINTING OF PUBLIC PARTS & WITHIN DWELLINGS TO COMPLY WITH SECTION D26-12.01 H.M.C.
- PAINTING OF WINDOW FRAMES TO COMPLY WITH SECTION D26-12.03 H.M.C.
- PREMISES TO BE MAINTAINED & KEPT FREE OF RODENT & INSECT INFESTATION AS PER SECTION D26-13.03 & D26-13.05 H.M.C.
- RECEPTACLES FOR COLLECTION OF WASTE MATTER TO BE PROVIDED AS PER SECTION D26-13.03 & D26-14.05 H.M.C.
- PROVIDE & MAINTAIN A SUPPLY OF PURE & WHOLESOME WATER SUFFICIENT IN QUANTITY & AT SUFFICIENT PRESSURE TO KEEP ALL PLUMBING FIXTURES ADEQUATELY SUPPLIED FOR THEIR SANITARY MAINTENANCE.
- MAINTAIN & KEEP IN GOOD REPAIR THE PLUMBING & DRAINAGE SYSTEM INCLUDING WATER CLOSETS, TOILETS, SINKS & OTHER FIXTURES.
- THE DRAINAGE OF ROOFS, COURTS & YARDS SHALL COMPLY WITH D26-16.03 H.M.C.
- HEAT & HOT WATER REQUIREMENTS AS PER ARTICLE 17 OF H.M.C. CENTRAL HEATING SYSTEM AS PER BUILDING CODES; MINIMUM TEMPERATURES TO BE MAINTAINED AS PER SECT. D26-17.01 & .03. CENTRAL HEATING SYSTEM TO BE INSPECTED YEARLY BY QUALIFIED PERSON IN ACCORDANCE WITH SECTION D26-17.05 OF H.M.C. SUPPLY OF HOT WATER AS PER SECTION D26-17.07.
- YEARLY INSPECTIONS OF CENTRAL HEATING PLANT BY QUALIFIED PERSON TO BE MADE AS PER SECTION D26-17.05, -19.01 -19.05, H.M.C.
- PROVIDE ELECTRIC LIGHTING EQUIPMENT IN ALL DWELLINGS AS PER SECTION D26-19.01.
- PROVIDE & MAINTAIN ELECTRIC LIGHTING FIXTURES IN EVERY PUBLIC HALL, STAIR OR FIRESTAIR IN ACCORDANCE WITH SECTION D26-19.03 & 19.05.
- PROPER ELECTRIC LIGHTS TO BE PROVIDED NEAR ENTRANCE WAYS, YARDS & COURTS AS PER SECTION D26-19.07 H.M.C., ON SEPARATE CIRCUIT OR CONNECTED TO HOUSE LINE SERVICING PUBLIC HALLS, AND IN ACCORDANCE WITH REQUIREMENTS & APPROVAL OF THE DEPARTMENT OF WATER SUPPLY, GAS & ELECTRICITY.
- BOARD OF STANDARDS & APPEALS APPROVED TYPE PEEPHOLES APPROXIMATELY 5 FEET ABOVE FINISHED FLOOR TO BE PROVIDED IN ENTRANCE DOORS OF DWELLING UNITS AS PER SECTION D26.01 H.M.C. & DEPARTMENT RULES & REGULATIONS.
- ENTRANCE DOORS SHALL BE PROVIDED WITH HEAVY DUTY LATCH SET & A HEAVY DUTY DEAD BOLT OPERABLE WITH A KEY FROM THE OUTSIDE & A THUMB-TURN FROM THE INSIDE. EQUIP DOORS WITH A CHAIN DOOR GUARD SO AS TO PERMIT PARTIAL OPENING.
- PROPERLY MOUNTED & SECURED POLISHED METAL VIEWING MIRRORS TO BE PROVIDED WITHIN SELF-SERVICE ELEVATORS AS PER SECTION D26-20.03 H.M.C. & DEPARTMENT RULES & REGULATIONS.
- KEY LOCK IN THE ENTRANCE DOOR TO EACH DWELLING UNIT WITH AT LEAST ONE KEY TO BE PROVIDED BY OWNER AS PER SECTION D26-20.05 H.M.C. DOOR TO BE EQUIPPED WITH HEAVY DUTY LATCH SET AND HEAVY DUTY DEAD BOLT AND CHAIN DOOR GUARD AND THUMB TURNED ON INSIDE.
- APPROVED TYPE MAIL RECEPTACLES & DIRECTORY OF PERSONS LIVING IN DWELLING TO B PROVIDED AS PER SECTION D26-21.01 H.M.C. & REGULATIONS OF POST OFFICE DEPARTMENT.
- PROPER FLOOR SIGNS TO BE PROVIDED IN PUBLIC HALL NEAR STAIRS & ELEVATORS & WITHIN STAIR ENCLOSURE AS PER SECTION D26-21.03 H.M.C. & DEPARTMENT RULES & REGULATIONS.
- PROPER STREET NUMBERS TO BE PROVIDED IN PUBLIC HALL OF THE DWELLING AS PER SECTION 82 (3)-1.0 ADMINISTRATIVE CODE, SECTION D26-21.03 H.M.C. AND RULES & REGULATIONS OF BOROUGH PRESIDENT.
- A RESIDENT MANAGER RESPONSIBLE FOR OPERATION & MAINTENANCE OF ROOMING UNITS TO BE PROVIDED AS PER SECTION D26-21.09 H.M.C.
- PROPER JANITORIAL SERVICES TO BE PROVIDED AS PER SECTION D26-22.05 H.M.C.
- ALL COMBUSTIBLE MATERIALS WITHIN ONE FOOT OF COOKING APPARATUS TO BE PROPERLY FIRE RETARDED & MINIMUM 2-FOOT CLEARANCE MAINTAINED ABOVE EXPOSED COOKING SURFACE. COMBUSTIBLE MATERIAL BETWEEN 2 FEET & 3 FEET ABOVE EXPOSED COOKING SURFACE TO BE FIRE RETARDED. SECTION D26-32.05 H.M.C. & DEPARTMENT REULES & REGULATIONS.
- NO KITCHEN SHALL BE OCCUPIED FOR SLEEPING PURPOSES. SECTION D26-33.05 H.M.C.
- MAXIMUM TWO BOARDERS, ROOMERS OR LODGERS PERMITTED TO EACH FAMILY EXCEPT THAT MAXIMUM ONE BOARDER, ROOMER OR LODGER PERMITTED IF LOCATED IN ZONING TO ONE & TWO FAMILY DWELLINGS.
- REGISTRATION STATEMENT TO BE FILED AS PER SECTION D26-41.01 & D26-41.03 H.M.C.
- REGISTRATION IDENTIFICATION SIGN CONTACT AND DWELLING SERIAL NUMBER TO BE POSTED AS PER SECTION D26-41.15 H.M.C.

- IDENTIFICATION OF MANAGING AGENT OR OWNER TO BE INDICATED ON TENANT'S RENT RECEIPT AS PER SECTION D26-41.17 H.M.C.
- WALLS OF COURTS AND SHAFTS TO BE OF A LIGHT COLORED SURFACE AS PER SECTION D26-12.05 HMC.
- GAS FUELED OR ELECTRIC HEATERS WHERE PERMITTED ARE TO COMPLY WITH SECTION D26-17.09.

INDOOR & OUTDOOR RECREATION SPACE NOTES

- FOR ALL ACCESSORY INTERIOR & EXTERIOR RECREATION SPACES, PROVIDE EXIT SIGNS & DIRECTIONAL EXIT SIGNS THROUGHOUT THE EXIT PASSAGEWAYS, & AT ALL EXITS ON EACH FLOOR AS PER B.C. ART.7 SUBCHAPTER 6.
- WHERE ROOFS ARE USED FOR RECREATIONAL PURPOSES, WIRE FENCING AT LEAST TEN FEET HIGH SHALL BE CONSTRUCTED.
- PLACE OF ASSEMBLY APPLICATION TO BE FILED PRIOR TO SIGN-OFF.

GENERAL NOTES

- THE HEIGHT OF ALL PUBLIC CORRIDORS SHALL BE 8'-0" MIN. (TYP.)
- TYPICAL HEAT PUMP UNIT (HPU SEE PLANS) ARE ELECTRIC, NON-GAS FIRED COOLING/HEATING UNITS (TYP.)
- LOT LINE WINDOW RESTRICTIVE DECLARATION SHALL BE FILED AND RECORDED WITH THE CITY REGISTER PRIOR TO OBTAINING A CERTIFICATE OF OCCUPANCY (TYP.)
- FIRE PROTECTION APPLICATION IS REQUIRED PRIOR TO THE SIGN-OFF AS PER B.C. 27-228.1

SMOKE DETECTOR NOTES

- SMOKE DETECTORS SHALL BE INSTALLED AS REQUIRED BY LOCAL LAW 62 OF 1981.
- UNITS TO BE HARD WIRED WITH INSTALLATION COMPLYING WITH RS17-11 & RS17-12 OF THE BUILDING CODE.
- EACH DWELLING UNIT SHALL BE EQUIPPED WITH AN APPROVED TYPE SMOKE DETECTOR RECEIVING PRIMARY POWER FROM THE BUILDING WIRING WITH NO SWITCHES IN THE CIRCUITS OTHER THAN THE CURRENT DEVICE PROTECTING THE BRANCH CIRCUIT AS PER SECTION C26-1705.3.
- SMOKE DETECTOR UNITS MUST BE EITHER IONIZATION CHAMBER TYPE OR THE PHOTOELECTRIC DETECTOR TYPE AS PER SECTION C26-1705.4(b) AND COMPLY WITH RS17-11 & RS17-12.
- UNITS TO BE APPROVED BY THE BOARD OF STANDARDS AND APPEALS. ACCEPTED PURSUANT TO RULES AND REGULATIONS PROMULGATED BY THE COMMISSIONER OR BE LISTED BY AN ACCEPTABLE TESTING LABORATORY SUCH AS:
 - A) UNDERWRITERS LAB. NORTH BROOK, ILL.-MEA LAB. NO. I-69-L
 - B) CANADIAN STANDARDS ASSOC., ONTARIO CANADA - MEA LAB. NO. 25-69-L
 - C) UNDERWRITERS LAB. OF CANADA, ONTARIO CANADA - MEA LAB. NO. 81-80-L
- UNITS SHALL BE INSTALLED IN AREAS DESIGNATED ON PLANS AND IN BASEMENTS AND RECREATION ROOMS, THEY SHALL BE LOCATED ON OR NEAR THE CEILING AND WITHIN 15'-0" OF ROOMS USED FOR SLEEPING PURPOSES. FOR DWELLING UNITS WITH MULTIPLE LEVELS, WHEN ANY LEVEL HAS ONLY ONE MEANS OF EGRESS, UNITS SHALL BE PROVIDED ON ALL LEVELS.
- A) CEILING MOUNT-CLOSEST EDGE OF UNIT SHALL BE A MINIMUM OF 4" FROM ANY WALL.
- B) WALL MOUNT - CLOSEST EDGE OF UNIT SHALL BE A MINIMUM OF 4" AND A MAXIMUM OF 12" FROM THE CEILING.
- A CERTIFICATE OF SATISFACTORY INSTALLATION OF SMOKE DETECTORS MUST BE FILED WITH THE DIVISION OF CODE ENFORCEMENT, HPD 10 DAYS AFTER INSTALLATIONS.
- BATTERY OPERATED DEVICES ARE PERMITTED WHERE THERE IS NO CHANGE IN THE USE OF THE STRUCTURE, AND WHERE THE TOTAL ALTERATION COST IS LESS THAN \$150,000 AND LESS THAN 15,000 PER DWELLING UNIT.

BUILDING DEPARTMENT NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE NEW YORK CITY BUILDING CODE.
- THE OWNER SHALL BE RESPONSIBLE FOR THE SAFE MAINTENANCE OF BUILDING AND ITS FACILITIES C26-105.0
- BUILDING WILL BE UNOCCUPIED BY OWNER OR TENANTS DURING THE COURSE OF CONSTRUCTION.
- CORRIDORS AND EXIT PASSAGES SHALL COMPLY WITH SECTION C-26-604-2.
- ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES.
- MECHANICAL, VENTILATION, AIR-CONDITIONING
- A. ALL INSPECTION AND TEST OF A REQUIRED VENTILATION SYSTEM SHALL BE MADE THE ARCHITECT OR ENGINEER NEED NOT BE IN THE EMPLOYMENT OF THE OWNER AS PER C-26-1301.
- INSPECTION DURING PROGRESS OR WORK THE COMMISSIONER MAY ACCEPT SIGNED STATEMENTS BY ARCHITECTS AND ENGINEERS AND SUPPORTING INSPECTION AND TEST REPORTS WITHOUT VERIFYING INSPECTION OR TEST BY DEPARTMENT OF INSPECTORS PER C-26-120.5
- ALL PERMITS ISSUED BY THE DEPARTMENT OF BUILDINGS SHALL BE POSTED IN A CONSPICUOUS PLACE OPEN TO THE PUBLIC INSPECTION FOR THE ENTIRE TIME OF THE PROSECUTION OF THE WORK OR UNTIL THE EXPIRATION OF THE PERMIT.
- DUCTS, PIPES AND CONDUITS PASSING THROUGH RATED CONSTRUCTION SHALL HAVE SPACES NOT EXCEEDING 1/2" PACKED WITH ROPE, ASBESTOS OR MINERAL WOOD AND CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS. AGGREGATED NET AREA OF SUCH OPENING SHALL NOT EXCEED 25 SQ. INCHES IN ANY 100 SQ. FT. OF WALL OR FLOOR AREA. UNLESS PROTECTED BY RATED SELF-ENCLOSED DEVICES OF C-36-504.5
- ALL WOOD WORKING SHALL BE FIREPROOFED IN ACCORDANCE WITH NYC CODE C-26-502.6 AND C-26-504-10.

Revision No.	Date	Remarks

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APPLICATION # 310041816
 WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY: **PL, MH, BL, SD, SP, FA**

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES
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Project:
 PROPOSED PROJECT AT:
 67 BRIGHTON 1ST LANE
 BROOKLYN, NY

Title:
 GENERAL NOTES

Checked: RMS	Date: 09/10/07
Signature:	Scale:
Seal:	Drawn: Joe# 27164 Dwg # A-004

GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE NEW YORK CITY BUILDING CODE.
- THE ARCHITECT OF RECORD HAS NOT BEEN RETAINED FOR ANY FIELD SUPERVISION OR INSPECTION; HIS RESPONSIBILITY IS LIMITED TO ACCURACY OF THE PLANS, UNLESS OTHERWISE INDICATED BY APPLICATIONS.
- A SURVEY, BY A LICENSED SURVEYOR, SHOWING THE LOCATION OF THE BUILDINGS, PROPERTY LINES AND OTHER EXISTING SITE CONDITIONS SHALL BE FILED WITH THE DEPARTMENT OF BUILDINGS.
- PRIOR TO START OF ANY CONSTRUCTION, CONTRACTOR IS REQUIRED TO CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS AT JOB SITE AND DIMENSIONS OF PLANS. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE ARCHITECT OR ENGINEER IMMEDIATELY.
- CONTRACTOR SHALL VERIFY ALL LOCATIONS OF UTILITY LINES, LIGHT POOLS, HYDRANTS, ETC. AND SHALL MAKE PROPER TIE-INS AND APPLY FOR PERMITS AS NECESSARY. HYDRANTS, ETC. AND REPORT TO THE ARCHITECT OR ENGINEER ANY CONDITION NOT CONSISTENT WITH THE DRAWINGS.
- NO PLANS SHALL BE SCALED, DIMENSIONS SHOULD BE USED.
- AT LEAST 24 HOURS WRITTEN NOTICE SHALL BE GIVEN BY OWNER AND/OR CONTRACTOR'S TO THE COMMISSIONER PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORK AND 72 HOUR WRITTEN NOTICE TO BE GIVEN ARCHITECT OR ENGINEER FOR CONTROLLED INSPECTIONS.
- FIVE (5) DAYS PRIOR WRITTEN NOTICE OF PERMIT APPLICATION SHALL BE GIVEN TO OWNER OF ALL ADJOINING LOTS, BUILDINGS, AND SERVICE FACILITIES WHICH MAY BE AFFECTED BY THE FOUNDATION WORK OR EARTH WORK OPERATIONS.
- A PERMIT SHALL BE ISSUED FOR EXCAVATING AND AFTER ESTABLISHING THE BEARING CAPACITY OF THE SOIL BY AN ARCHITECT OR ENGINEER OR THEIR REPRESENTATIVE AND SECURING APPROVAL THEREOF FROM THE DEPARTMENT OF BUILDINGS, THE PERMITS SHALL BE FOR THE ENTIRE CONSTRUCTION.
- NO FIRE HYDRANT OR UTILITY POLE, OR THREE SHALL BE WITHIN 5'-0" OF PLAY OF ANY CURB CUT.
- ANY ALTERED GRADE EXCEEDING 30 DEGREE SLOPE SHALL HAVE A RETAINING WALL FILED AS AN AMENDMENT AND APPROVED BY DEPARTMENT OF BUILDINGS BEFORE THE START OF SUCH A WALL.
- THE STREET ON WHICH THIS BUILDING FRONTS IS OR WILL BE IMPROVED TO THE SATISFACTION OF THE DEPARTMENT OF HIGHWAYS. REQUIRED UTILITIES SHALL ALSO BE INSTALLED.
- SIDEWALK AND ROADWAY CONSTRUCTION OFF SITE WILL CONFORM TO DEPARTMENT OF HIGHWAYS SPECIFICATIONS. A SEPARATE APPROVAL FOR SIDEWALK CONSTRUCTION, INCLUDING WIDTH OF SIDEWALK WILL BE OBTAINED FROM THAT DEPARTMENT BEFORE SUCH WORK IS COMMENCED.
- ALL EXCAVATIONS SHALL BE KEPT SUBSTANTIALLY FREE OF WATER DURING FOUNDATION CONSTRUCTION WORK.
- PROTECT ALL ADJACENT PROPERTIES. PROPERLY SHORE, UNDERPIN AND MAKE SAFE ALL EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY PART OF THE WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE METHODS AND MEANS OF CONSTRUCTION AND FOR SITE SECURITY AND SAFETY AND WILL TAKE FULL PRECAUTIONS TO PROTECT WORKMEN, PASSERSBY OR ANY OTHER HAZARDS OF DEMOLITION OPERATIONS.
- CONTRACTOR SHALL OBTAIN A CERTIFICATE OF OCCUPANCY UPON COMPLETION OF ALL WORK.
- CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR CONSTRUCTION, INCLUDING THOSE FOR WORK OUTSIDE OF THE PROPERTY LINES, PAY ALL REQUIRED FEES TO THE D.O.B. BASED ON THE PROPOSED WORK OF THIS DRAWING FROM NEW YORK CITY BUILDING DEPARTMENT PRIOR TO START OF WORK.
- ALL MATERIALS, ASSEMBLIES, FORMS AND METHODS OF CONSTRUCTION AND SERVICE EQUIPMENT SHALL MEET THE FOLLOWING REQUIREMENTS:
 A) SHALL HAVE BEEN ACCEPTABLE PRIOR THE EFFECTIVE DATE THE CODE BY THE BOARD OF STANDARDS AND APPEALS OR,
 B) SHALL HAVE BEEN ACCEPTED FOR USE UNDER THE PRESCRIBED CODE TEST METHODS BY THE COMMISSIONER OR,
 C) APPROVED BY THE BOARD OF STANDARDS AND APPEALS (C26-106.2)
- THE FOLLOWING ITEMS OF WORK SHALL BE SUBJECT TO CONTROLLED INSPECTION, MADE AND WITNESSED BY OR UNDER THE DIRECT SUPERVISION OF AN ARCHITECT OR ENGINEER RETAINED BY THE OWNER AND ACCEPTABLE TO ARCHITECT OF RECORD. TEST REPORTS AND CERTIFICATE OF INSPECTION SHALL BE FILED WITH THE BUILDING DEPARTMENT:
 A) FIRE STOPPING OF:
 1) HOLLOW PARTITIONS AND FURRED SPACES
 2) CONCEALED SPACES WITHIN STAIR CONSTRUCTION
 3) CEILING SPACES
 4) EXTERIOR CORNICES
 5) DUCT AND PIPE CHASES
 B) CONCRETE MATERIALS FOR STRUCTURAL ELEMENTS PROPORTIONED ON THE BASIS OF CALCULATED STRESSES 70% OR GREATER OF BASIC ALLOWABLE VALUES C26-10040
 C) STEEL WELDING OPERATIONS AND TENSIONS OF HIGH STRENGTH BOLTS (TABLE 10-1).
 D) PLACING OF CONCRETE (TABLE 10-1).
 E) REINFORCED MASONRY (TABLE 10-1).
 F) UNREINFORCED MASONRY (TABLE 10-1).
- IT SHALL BE CONTRACTOR RESPONSIBILITY TO COMPLY WITH THE REQUIREMENTS AND STANDARDS OF THE BUILDING CODE, ZONING RESOLUTION, BS&A, A.C.I., ASTM & ANY OTHER GOVERNMENT AND NON-GOVERNMENT AGENCIES HAVING JURISDICTION. IT SHALL ALSO BE THE CONTRACTORS RESPONSIBILITY TO SEEK CERTIFICATION OF THE FOREMENTIONED SECTIONS, REQUIREMENTS AND STANDARDS. IT SHALL BE ASSUMED THAT THE CONTRACTOR IS FULLY AWARE AND SHALL BE HELD RESPONSIBLE FOR THE ITEMS MENTIONED (BLDG., CODE, ZONE. RES., BS&A, A.C.I., ASTM, N.Y.S. ENERGY CONSERVATION CODE, ETC.) SHOULD THERE BE NO NOTIFICATION BY THE CONTRACTOR TO THE ARCHITECT.
- 21(a). ALL MATERIALS NOT DESIGNATED FOR CONTROLLED INSPECTION SHALL BE SUBJECT TO SEMI-CONTROLLED INSPECTION FOR STRUCTURAL LUMBER AND PLUMBING MATERIALS, INSPECTION REPORTS, TEST REPORTS OR OTHER DOCUMENTATION BY THE PERSON SUPERINTENDING THE USE OF THE MATERIAL SHALL BE SUBMITTED TO THE DEPARTMENT PRIOR TO THE

- ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
- APPLICATION FOR CERTIFICATE OF OCCUPANCY AND CERTIFICATE OF OCCUPANCY FORMS #24 & #54, IF NOT FILED WITH ORIGINAL APPLICATION PRIOR TO APPROVAL SHALL BE FILED AT SUCH TIME THERE WILL BE CHANGES IN BUILDING WHICH MAY NECESSITATE THE SUBMISSION OF REVISED SPECIFICATION SHEETS. IN CASE THERE ARE DISCREPANCIES BETWEEN THE GENERAL NOTES AND SPECIFIC ITEM SHOWN ON THE PLANS, THE ARCHITECT AND /OR ENGINEER ARE TO BE NOTIFIED IMMEDIATELY AND ALL WORK IS TO BE HALTED UNTIL THE DISCREPANCY IS RESOLVED.
- CONTRACTOR TO COORDINATE ALL EQUIPMENT BASE AND HOUSEKEEPING PADS WITH MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS. EQUIPMENT BASES AND HOUSEKEEPING PADS TO BE A MINIMUM OF 4" HIGH UNLESS OTHERWISE NOTED. PROVIDE ONE LAYER OF WWF 6X6XW4 WELDED WIRE FABRIC MINIMUM, TO BE INSTALLED BENEATH THE FULL PROJECTED AREA OF EQUIPMENT
- ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES AND REQUIREMENTS ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION BEFORE PROCEEDING WITH THAT PORTION OF WORK.
- THE CONTRACTOR SHALL INVESTIGATE THE SITE AND THE EXISTING CONDITIONS PRIOR TO THE START OF CONSTRUCTION. HE SHALL NOTIFY THE ARCHITECT OF ANY ERRORS, OMISSIONS, CONFLICTS OR AMBIGUITIES IN AND BETWEEN THE PLANS, DRAWINGS AND SPECIFICATIONS PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK. IF SUCH NOTICE IS NOT FURNISHED TO ARCHITECT. THE CONTRACTOR SHALL BE DEEMED TO HAVE INSPECTED THE PLANS, DRAWINGS AND SPECIFICATIONS AND TO HAVE FOUND THEM IN PROPER FORM AND EXECUTION
- THE ARCHITECT DOES NOT HAVE CONSTRUCTION ADMINISTRATION RESPONSIBILITY FOR THIS PROJECT.
- ALL WORK SHALL BE DONE IN WORKMANLIKE MANNER BY SKILLED MECHANICS. THE WORK SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE DEMOLITION AN CONSTRUCTIONAL SHOWN ON THESE DRAWINGS.
- ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR THE PROPER PERFORMANCE OF THEIR WORK, COORDINATION WITH OTHER TRADES, METHODS, SAFETY AND SECURITY ON THE SITE. SPECIAL ATTENTION TO SAFETY SHALL BE PROVIDED DURING ALL DEMOLITION WORK. THE ARCHITECT AND HIS AGENTS ARE NOT RESPONSIBLE OR LIABLE FOR THE ABOVE AND SHALL BE HELD HARMLESS AND INDEMNIFIED BY ALL CONTRACTORS FROM ANY CLAIMS, LOSSES OR SUITS OR LEGAL ACTION ARISING FROM THE PERFORMANCE OF WORK IN THIS PROJECT.
- THE INFORMATION SHOWN ON THESE DRAWINGS CONSTITUTES THE EXTENT OF ARCHITECTURAL SERVICES RENDERED TO THE CLIENT THE ARCHITECT HAS NO CONTRACTUAL OBLIGATION TO THE CLIENT BEYOND THE PREPARATION OF DRAWINGS SUITABLE FOR FILING FOR BUILDING PERMITS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. DRAWINGS SHALL NOT BE SCALED. THE ARCHITECT DISCLAIMS ALL RESPONSIBILITY IF CONSTRUCTION IS EXECUTED WITH DIMENSIONS SIZE OR MATERIALS THAT DEVIATE FROM THESE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL CLEARANCES AND SHALL BE RESPONSIBLE FOR SIZING ALL COMPONENTS OF HIS WORK AS NECESSARY FOR PROPER INSTALLATION.
- CONTRACTOR SHALL BE RESPONSIBLE TO DISTRIBUTE ADEQUATE COPIES OF THESE DRAWINGS AND SPECIFICATIONS TO ALL APPLICABLE TRADES AT ALL TIMES DURING THE PROGRESS OF THE JOB, INCLUDING SUBSEQUENT REVISIONS THERE IS TO BE ONE COMPLETE UP TO DATE SET AT THE JOB SITE AT ALL TIMES.
- IT IS THE INTENTION OF THIS CONTRACTOR TO REHABILITATE THE BUILDING, FINISHED AND READY FOR OCCUPANCY IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ALL REQUIREMENTS OF THE LAW. ALTHOUGH ALL NECESSARY WORK MAY NOT BE ITEMIZED IN THE DRAWINGS AND SPECIFICATIONS, THE CONTRACTOR WILL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND INCLUDE ALL WORK SPECIFIED OR IMPLIED FOR THE COMPLETE REPAIR OF THE BUILDING.
- CONTRACTOR SHALL OBTAIN BUILDING PERMIT. NO WORK SHALL PROCEED UNLESS BUILDING PERMITS IS DISPLAYED AT THE FRONT OF BUILDINGS. CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSED, INSPECTION FEES AND ALL OTHER CHARGES.
- CONTRACTOR SHALL OBTAIN NEW CERTIFICATE OF OCCUPANCY. HE SHALL OBTAIN ALL PERMITS AD FINAL APPROVALS OF ALL DEPARTMENTS HAVING JURISDICTION.
- ERECT TEMPORARY COVERED PASSAGEWAYS AT STREET LEVEL AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
- CONSTRUCTION OF BUILDING EXTERIOR ENVELOPE AND INSTALLATION OF HVAC, SERVICE WATER HEATING ELECTRICAL DISTRIBUTION AND ILLUMINATION SYSTEMS AND EQUIPMENT TO COMPLY WITH THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, SECTION E-1016 (D)
- COORDINATE PATCHING INVOLVING THE VARIOUS TRADES WHETHER OR NOT SPECIFICALLY MENTIONED IN THE RESPECTIVE SPECIFICATIONS SECTIONS.
- STEAM CLEAN STREET FAÇADE AS SPECIFIED.
- REMOVE DEBRIS AS THE WORK PROGRESSES. MAINTAIN EXISTING PREMISES IN A NEW AND CLEAN CONDITION.
- REMOVE FROM THE SITE DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM WORK.
- THE CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK WHO SHALL DESIGN AND SUPERVISE INSTALLATION OF ALL UNDERPINNING AND SHORING.
- THE CONTRACTOR FOR THE WORK OF THIS SECTION SHALL BE HELD TO HAVE VISITED THE SITE, EXAMINED THE PREMISES DETERMINED FOR HIMSELF THE EXISTING CONDITIONS, CHARACTER OF EQUIPMENT AND FACILITIES NEEDED FOR TIE PERFORMANCE OF THE WORK AND ALL MATTERS WHICH MAY IN WAY AFFECT THE WORK BEFORE SUBMITTING A BID.
- INFORMATION REGARDING EXISTING, CONSTRUCTION OR CONDITIONS IS BASED ON AVAILABLE RECORD DRAWING, WHICH MAY OR MAY NOT TRULY REFLECT EXISTING CONDITIONS. SUCH INFORMATION IS INCLUDED ON THE ASSUMPTION THAT IT MAY BE OF INTEREST TO THE CONTRACTOR. BUT THE ARCHITECT, CONSTRUCTION MANAGER, OWNER AND THEIR CONSULTANTS DO NOT ASSUME RESPONSIBILITY FOR ITS ACCURACY OR COMPLETENESS.
- THE GENERAL CONTRACTOR SHALL RETAIN THE SERVICES OF A LICENSED ARCHITECT/ENGINEER FOR ALL REQUIRED CONTROLLED INSPECTIONS.

- TOP OF ARCHITECTURAL FINISH OF FIRST FLOOR SEATING ELEVATION=0'-0" FOR THE PURPOSES OF THESE CONTRACT DOCUMENTS.
- REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS AND SYMBOLS. ALL NOTES ARE TO BE REVISED AND APPLIED TO RELATED BUILDING COMPONENTS. NIF
- NOTES APPEAR ON VARIOUS SHEETS FOR DIFFERENT SYSTEMS AND MATERIALS. SHEETS ARE TO BE REVIEWED AND NOTES ON ANY ONE SHEET ARE TO BE APPLIED ON RELATED DRAWINGS AND DETAILS.
- DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE DETAILED. WHERE SPECIFIED DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- ALL ELEVATOR AND STAIR OPENINGS SHALL BE CERTIFIED BY THE ELEVATOR SUBCONTRACTOR PRIOR TO FORMING. REQUIRED MODIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR APPROVAL PRIOR TO FORMING.
- REFER TO CERTIFIED MECHANICAL AND ELECTRICAL CONTRACTOR'S DRAWINGS AND MANUFACTURER'S TEMPLATE DRAWINGS FOR ALL MECHANICAL AND ELECTRICAL EQUIPMENT SUPPORTS, BOLT SETTING TEMPLATES, ISOLATIONS, SPRING ISOLATION, ETC, NOT SHOWN ON THE DRAWINGS.
- CONCRETE PADS AND MOUNTINGS IN MECHANICAL SPACES SHALL BE COORDINATED WITH ELECTRICAL AND PLUMBING CONTRACTORS.
- CONTRACTOR TO COORDINATE ALL MECHANICAL AND ELECTRICAL FLOOR AND WALL SLEEVES AND ALL MECHANICAL SHAFTS WITH MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS.
- PROVIDE ACCESS PANELS AS APPLICABLE AND AS REQUIRED FOR MECHANICAL EQUIPMENT. ALL ACCESS PANELS SHALL BE CONCEALED, AND LOCATIONS SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO PROCEEDING.
- PORTABLE FIRE EXTINGUISHERS LOCATED ON THE DRAWINGS SHALL RECEIVE APPROVAL OF FIRE DEPARTMENT PRIOR TO INSTALLATION.
- ALL SPRINKLER HEADS IN ACOUSTICAL TILE SHALL BE INSTALLED CENTERED IN THE ACOUSTICAL TILE. (N/A) 22. ALL STRUCTURAL ELEMENTS WHICH DO NOT REQUIRE FIREPROOFING SHALL BE FIELD PAINTED.
- ALL EXTERIOR HANDRAILS AND EXTERIOR EXPOSED METAL SHALL BE GALVANIZED AND PAINTED UNLESS NOTED OTHERWISE.
- ALL EXTERIOR DOORS SHALL PREVENT AIR LEAKAGE/INFILTRATION AROUND THEIR PERIMETER WHEN IN A CLOSED POSITION.
- ALL EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AND ROOFS, AND BETWEEN WALLS AND PANELS AT PENETRATION OF UTILITIES THROUGH THE ENVELOPE SHALL BE SEALED, CAULKED OR WEATHER STRIPPED TO PREVENT AIR LEAKAGE/INFILTRATION.
- ALL EXTERIOR SOFFITS SHALL BE CONSTRUCTED WITH RIGID GALVANIZED METAL FRAME MEMBERS AND SHALL RESIST UPLIFTING WIND LOADS OF 1.5 TIMES THE WIND PRESSURE DIAGRAM.
- ALL EXTERIOR SOFFITS SHALL BE INSTALLED TO PROVIDE A 'U' VALUE OF 0.09 SHALL HAVE A VAPOR BARRIER AND SHALL BE PROPERLY SEALED AGAINST AIR INFILTRATION.
- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID MOLECULAR BREAKDOWN.
- FUTURE TENANT DEVELOPMENT TO BE COVERED UNDER SEPARATE PERMITS. (N/A)
- THE CONTRACTOR SHALL REPLACE AND REPAIR MISSING, BROKEN SIDEWALK, CURB, OR ROADWAY DAMAGE DURING CONSTRUCTION AS DIRECTED BY THE BOROUGH.

FIRE PROTECTION NOTES

1. ALL MATERIALS AND ASSEMBLIES REQUIRED TO HAVE A FIRE RESISTENCE RATING SHALL COMPLY WITH ONE OF THE FOLLOWING:
 A) IT SHALL CONFORM WITH "FIRE RESISTANCE RATING" BY THE AMERICAN INSURANCE ASSOCIATION OR
 B) SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ASST. 3-119-1961, "STANDARD METHODS OF FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS" AND ACCEPTED BY THE COMMISSIONER, OR
 C) SHALL HAVE BEEN ACCEPTABLE PRIOR TO THE EFFECTIVE DATE OF THE CODE.
- WHERE PIPES, WIRES, CONDUITS DUCTS, ETC. PIERCE FIRE PROTECTION OF INDIVIDUALLY ENCASED STRUCTURAL MEMBERS, SUCH PENETRATION SHALL NOT EXCEED TWO (2) PERCENT OF ANY ONE FACE SUCH PROTECTION, AND SHALL BE CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS OR PLATES C26-502.2.
- LINTELS SUPPORTING MASONRY WALLS OVER 4 FEET IN WIDTH SHALL BE FIRE PROTECTED WITH MATERIALS HAVING THE REQUIRED FIRE RESISTANCE RATING OF THE WALL SUPPORTED C26-502.
- OPENING PROTECTIVES INCLUDING FRAMES, SELF-CLOSING DEVICES AND HARDWARE SHALL COMPLY WITH ASTM E-152-1966, "STANDARD METHODS OF FIRE TEST OF DOOR ASSEMBLIES" AND E-163-1965 IN ACCORDANCE WITH NFPA NO. 80-1967, "INSTALLATION OF FIRE DOORS AND WINDOWS". OPENING PROTECTIVES SHALL BE LABELED, CERTIFYING PERFORMANCE RATING, AND SHALL HAVE BEEN ACCEPTED BY THE COMMISSIONER OR THE BOARD OF STANDARDS AND APPEALS C-26-507.7.
- DUCTS, PIPES AND CONDUITS PASSING THROUGH RATED CONSTRUCTION SHALL HAVE SPACES NOT EXCEEDING 1/2" PACKED WITH MINERAL WOOL AND CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS. AGGREGATE NET AREA OF SUCH OPENING SHALL NOT EXCEED 25 SQUARE INCHES IN ANY 100 SQUARE FEET OF WALL OR FLOOR AREA, UNLESS PROTECTED BY RATED SELF-ENCLOSED DEVICES C26-504.5.
- FIRESTOPPING: CONCEALED SPACES WITHIN PARTITIONS, WALLS, FLOORS, ROOFS, STAIRS, FURRING, PIPE SPACES, COLUMNS ENCLOSURES, ETC. SHALL BE FIRE PROOFED (EXCEPT WHERE CONCEALED SPACE IS SPRINKLED) AS FOLLOWS:
 A) CONSTRUCTION GROUP 1: WITH NONCOMBUSTIBLE MATERIAL THAT CAN BE SHAPED.
 B) NON COMBUSTIBLE FIRE STOPPING MAY BE MASONRY SET IN MORTAR, CONCRETE, 3/4" MORTAR OR PLASTER ON NONCOMBUSTIBLE LATH, PLASTERBOARD AT LEAST 3/8" THICK, SHEET METAL AT LEAST 0.002" THICK, SOLID WEB METAL STRUCTURAL MEMBER, 1/4" MINIMUM CEMENT BOARD OR

- EQUIVALENT MATERIAL. MINERAL SLAG OR ROCK WOOL WHEN COMPACTED INTO CONFINED SPACE C26-504.7.
 - INTERIOR FINISH: MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH THE SURFACE FLAME SPREAD RATIO OBTAINING AS PRESCRIBED IN ASST. E-84-1961 "STANDARD METHOD OF TEST FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS" AS PER C-26-504.
 - ALL EXISTS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES.
 - ILLUMINATION OF AT LEAST 5 FOOT CANDLES MEASURED AT THE FLOOR LEVEL SHALL BE MAINTAINED CONTINUOUSLY IN EXITS AND THEIR ACCESS FACILITIES. SUSPENDED CEILING SHALL COMPLY WITH SECTION 1C 26-504.12 OF THE NYC BUILDING CODE WITH METAL HANGERS, PURLINS AND RUNNERS AS REQUIRED.
 - WHERE TEMPORARY PARTITIONS ARE USED THEY SHALL BE CONSTRUCTED TO BE DUST PROOF BARRIERS.
 §(C26-604.4) 27-371 DOORS:
 *(C) SMOKE STOP DOORS.- SMOKE STOP DOORS SHALL BE SELF-CLOSING, SWINGING DOORS OF METAL, METAL COVERED, OR ONE AND THREE-QUARTER INCH SOLID CORE WOOD WITH CLEAR WIRE GLASS PANELS HAVING A MINIMUM AREA OF SIX HUNDRED SQUARE INCHES PER DOOR AND A MAXIMUM AREA OF TWELVE HUNDRED NINETY-SIX SQUARE INCHES PER DOOR, EXCEPT THAT IN BUILDINGS NOT OVER TWO STORIES HIGH, SMOKE STOP DOORS MAY BE OF ONE AND THREE-EIGHTHS INCH SOLID CORE WOOD WITH CLEAR WIRE GLASS PANELS, UNLESS THE DOORS ARE ALSO USED AS HORIZONTAL EXITS IN WHICH CASE THEY SHALL COMPLY WITH THE PROVISIONS OF SUBDIVISION (B) OF SECTION 27-373 OF THIS ARTICLE. IN ADDITION, SMOKE STOP DOORS MAY BE CONSTRUCTED OF TEMPERED GLAZING OR THE EQUIVALENT AND BE PROTECTED BY SPRINKLER HEADS CONSTRUCTED IN ACCORDANCE WITH SUBCHAPTER SEVENTEEN OF THIS CHAPTER AND INSTALLED A MAXIMUM OF SIX FEET (6'-0") ON CENTERS ON EACH SIDE OF THE OPENING. SMOKE STOP DOORS MAY BE DOUBLE-ACTING BUT SHALL CLOSE THE OPENING COMPLETELY WITH ONLY SUCH CLEARANCE AS IS REASONABLY NECESSARY FOR PROPER OPERATION. SMOKE STOP DOORS SHALL NORMALLY BE IN THE CLOSED POSITION, EXCEPT THAT THEY MAY BE LEFT OPEN IF THEY ARE ARRANGED TO CLOSE AUTOMATICALLY BY AN APPROVED DEVICE WHICH IS ACTUATED BY AN INTERIOR FIRE ALARM SYSTEM MEETING THE REQUIREMENTS OF SUBCHAPTER SEVENTEEN OF THIS CHAPTER OR UPON SMOKE DETECTION. TEMPERED GLASS SMOKE STOP DOORS SHALL BE MARKED WHERE REQUIRED IN ACCORDANCE WITH THE RULES OF THE BOARD OF STANDARDS AND APPEALS.
 *LOCAL LAW 26-2004.
- MULTIPLE DWELLING LAW NOTES**
- MULTIPLE DWELLING CODE WILL BE COMPKIED WITH AS PER LOCAL LAW NO. 23-56.
 - ALL ROOM WILL COMPLY WITH SECTION 31-6 OF THE M.D.L.
 - EVERY DOOR GIVING ACCESS TO THE ENTRANCE FRO MOUTSIDE OF THE BUILDING WILL CONTAIN NOT LESS THAN FIVE SQUARE FEET OF GLAZED SURFACE AREA IN ACCORDANCE WITH SECTION 35 OF THE M.D.L.
 - INTERCOMMUNICATION SYSTEM AN DENTRANCE DOOR LOCKS SHALL BE PROVIDED AS PER SECTION 50 (A) M.D.L.
 - ARTIFICIAL LIGHTING OF PUBLIC HALLS AND STAIRWAYS WILL COMPLY WITH SECTION 37 OF THE M.D.L. AND SECTION D26-3.20 OF THE N.Y.C. BUILDING CODE.
 - ALL OPENINGS TO ELEVATOR SHAFTS WILL BE PROVIDED WITH DOORS AND BUCKS HAVING A 1-1/2 HOUR FIRE RATING. ALL DOORS TO ELEVATOR SHAFTS AND DOORS IN ELEVATOR CBS TO BE PROVIDED WITH AUTOMATIC DEVICES AS REQUIRED BY SECTION 51 OF THE M.D.L. DOORS TO BE SELF-CLOSING AND PROVIDED WITH VISION PANEL OF APPROVED TYPE CLEAR WIRE PLATE GLASS.
 - ALL OUTSIDE STEPS AND THEIR RAILS, WILL COMPLY WITH SECTIONS 52 AND 62, M.D.L. GUARD RAILS ON RETAINING WALLS MORE THAN 18" HIGH WILL BE AT LEAST FOUR FEET HIGH ABOVE GRADE AND WILL BE SUBSTANTIALLY SUPPORTED AND ANCHORED.
 - SECTION 33, SUBDIVISION 3, OF TH EM.D.L. AND THE DEPARTMENT RULES WILL BE COMPLIED WITH RANGES WILL BE USED OF A TYPE APPROVED BY A RECOGNIZED TESTING LABORATORY. ALL COOKING RANGES WILL BE INSTALLED IN ACCORDANCE WITH C26-1300.7C OF THE N.Y.C. BUILDING CODE AND WITH SECTION 64 OF THE M.D.L. OVER-HEAD CABINETS WILL BE LOCATED AT LEAST NINE INCHES HORIZONTALLY AND 2'-0" VERTICALLY FROM BURNERS. RANGES WILL COMPLY WITH THE REQUIREMENTS OF THE A.G.A. OR G.S.A. CEILINGS ENCLOSING KITCHENETTES SHALL BE FIRE RETARDED WITH (1) LAYER OF 5/8" F.C.# 60 TYPE 'X' GYPSUM BOARD. PARTITIONS ENCLOSING KITCHENETTES SHALL BE FIRE RETARDED WITH (1) LAYER OF 5/8" F.C. # 60 TYPE X GYPSUM BOARD EACH SIDE.
 - WALLS AND CEILINGS IN SERVICE AREAS, WHERE NOTED IN SCHEDULE OF INTERIOR FINISHES WILL BE PAINTED A LIGHT COLOR AS PER SECTION 34 (4) OF THE M.D.L. APARTMENT STAIRWAYS AND HALLS TO BE PAINTED AS PER SECTION 80 (4) OF THE M.D.L.
 - SECTION 34 SUBDIVISION 2 OF THE M.D.L. WILL BE COMPLIED WITH IN THAT ALL WALLS BELOW THE GROUND LEVEL AND ALL CELLAR OR LOWER FLOORS SHALL BE DAMP-PROOFED AND WATER-PROOFED. SUCH DAMP-PROOFING AND WATER-PROOFING SHALL RUN THROUGHOUT THE CELLAR OR OTHER LOWEST FLOOR AND THROUGH AND UP THE WALLS AS HIGH AS THE GROUND LEVEL.
 - PARKING FOR THE PROJECT WILL BE PRIMARILY FOR THE USE OF TENANTS AS PER SECTION 60 OF THE M.D.L. AND WILL COMPLY WITH THE DEPARTMENT RULES AND REGULATIONS AND WITH CHAPTER 5 OF ARTICLE II, OF THE ZONING RESOLUTION.
 - SECTION T1 OF THE M.D.L. WILL BE COMPLIED WITH. NO LEADER DRAIN OR HOUSE TRAP WILL BE LOCATED IN ANY BATHROOM OR WATER CLOSET COMPARTMENTS. ALL TRAPS ARE TO BE ACCESSIBLY LOCATED.
 - MECHANICAL VENTILATION FOR INTERIOR BATHROOMS, KITCHENS, KITCHENETTES AND PUBLIC HALLS WILL BE OPERATED AS REQUIRED BY SECTION 76.33 AND 107 OF THE M.D.L.
 - LIGHTING THROUGHOUT WILL COMPLY WITH ARTICLE 19 OF THE HOUSING MAINTENANCE CODE AND SECTION 34-3, 37 AND 64 OF THE M.D.L.
 - COMPLY WITH SECTION 80, SUBDIVISION 6 OF THE M.D.L. AND ARTICLE 13 OF THE H.M.C. AS TO PEST AND RODENT ERADICATION.
 - PROVIDE HEAT AND HOT WATER AS PER ARTICLE 17 OF THE H.M.C. AND SECTION 77.3 AND 79 OF THE M.D.L.
- CONTINUED ON DRAWING A-006

Revision No.	Date	Remarks

APPLICATION # 310041816
 WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY: **PL, MH, BL, SD, SP, FA**

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES
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Project:
**PROPOSED PROJECT AT:
 67 BRIGHTON 1ST LANE
 BROOKLYN, NY**

Title:
GENERAL NOTES

Checked by: RMS	Date: 09/10/07
Signature:	Scale:
Seal:	Drawn:
	Job # 27164
	Draw # A-005

17. SOUND CONTROL SHALL BE PROVIDED AS PER SECTION 84 OF THE M.D.L. AND IN ACCORDANCE WITH THE N.Y.C. BUILDING CODE AND ITS REFERENCE STANDARDS.
18. IN COMPLIANCE WITH SECTION 83 FO THE MULTIPLE DWELLING LAW. THERE WILL BE AN ADEQUATE NUMBER OF SUPERINTENDENTS, ASSISTANT SUPERINTENDENTS, CARETAKERS, ETC IN CHARGE OF THESE BUILDING AT ALL TIMES.
19. GAS METERS WILL BE PLACED IN SPACES PROVIDED IN A CELLAR AS PER SECTION 64 OF THE M.D.L. FIRE RETARDING AT GAS RANGES TO COMPLY WITH SECTION 33 (B) M.D.L.
20. MAINTENANCE, MANAGEMENT AND LAUNDRY, ETC. ARE OF ACCESSORY USE TO THE BUILDING AND WILL COMPLY WITH SECTION 61 M.D.L.
21. NO WOOD WAINSCOTING AS PER SECTION 191 OF THE M.D.L.
22. ALL APARTMENT ENTRANCE DOORS TO BE A MINIMUM OF 2'-10" X6'-8" APPROVED AND LABELED ONE HOUR TEST FIREPROOF SELF-CLOSING AS PER SECTION 171 M.D.L.
23. ALL BATHROOMS TO HAVE SANITARY TYPE CERQMIC TILE FLOORS AND A MINIMUM 6" SANITARY TYPE CERAMIC TILE BASE AS PER SECTION 76 OF THE M.D.L.
24. SEPARATE MISCELLANEOUS APPLICATION WILL BE FILED FOR SPRINKLERS AS REQUIRED.
25. HOUSE NUMBERS SHALL BE PROPERLY DISPLAYED AS PER SECTION 886 OF THE NEW YORK CITY CHARTER.
26. PROVIDE GOVERNMENT APPROVED TYPE MAIL BOXES AS INDICATED ON DRAWINGS AND AS PER SEFCTION 57 MDL.
27. LIGHTING AND VENTILATION OF ROOMS SHALL BE AS PER SECTION 31 OF MDL.
28. ALCOVES SHALL BE AS PER SECTION 32 OF MDL
29. COOKING SPACES SHALL BE AS PER SECTION 33 OF MDL.
30. ROOMS IN BASEMENTS AND CELLARS SHALL BE AS PER SECTION 34 OF MDL.
31. BUILDING ENTRANCE DOORS AND LIGHTS SHALL BE AS PER SECTION 35 OF MDL.
32. WINDOWS AND SKYLIGHTS FOR PUBLIC HALLS AND STAIRS SHALL BE AS PER SECTION 36 OF MDL.
33. ENTRANCE HALLS TO BE AS PER SECTION 50 OF MDL.
34. BUILDING ENTRANCE DOORS, LOCKS AND INTERCOM SYSTEM SHALL BE SECTION 50-A OF MDL.
35. APARTMENT PEEPHOLES SHALL BE AS PER SECTION 51-A OF MDL.
36. MIRRORS IN SELF-SERVICE ELEVATORS SHALL BE AS PER SECTION 51-B OF MDL.
37. FIRE ESCAPES SHALL BE AS PER SECTION 53 OF MDL.
38. WAINSCOTING SHALL BE AS PER SECTION 55 OF MDL.
39. ENTRANCE BOLTS AND MAIL BOXES SHALL BE AS PER SECTION 57 OF MDL.
40. ALL INCOMBUSTIBLE MATERIALS SHALL BE AS PER SECTION 58 OF MDL.
41. PARAPETS AND GUARD RAILINGS SHALL BE AS PER SECTION 62 OF MDL.
42. BELOW GRADE FLOORS SHALL COMPLY AS PER SECTION 63 OF MDL.
43. LIGHTING, GAS METERS, GAS AND OIL APPLIANCES, SHALL BE AS PER SECTION 64 OF MDL.
44. BOILER ROOMS SHALL BE AS PER SECTION 65 OF MDL.
45. WATER SUPPLY SHALL BE AS PER SECTION 75 OF MDL.
46. PLUMBING AND DRAINAGE SHALL BE AS PER SECTION 77 OF MDL.
47. REPAIRS SHALL BE MADE AS PER SECTION 78 OF MDL.
48. RECEPCTACLES FOR WASTE MATTER SHALL BE AS PER SECTION 81 OF MDL.
49. PRIVACY SHALL BE AS PER SECTION 82 OF MDL.
50. JANITORIAL SERVICES SHALL BE AS PER SECTION 83 OF MDL.

ACM NOTES

1. ALL CONTRACTORS ARE HEREBY ADVISED THAT THERE MAY BE ASBESTOS PRESENT OR CONCEALED WITHIN THE CONTRACT AREAS. THE HANDLING OF THIS MATERIAL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS PUBLISHED IN THE FEDERAL REGISTER BY OSHA, DEP. EPA AN OTHER FEDERAL AUTHORITIES HAVING JURISDICTION AND IN ADDITION ANY SUPPLEMENTAL LAWS, RULES AND REGULATIONS PROMULGATED BY STATE AND LOCAL ATHORITIES. THE CONTRACTORS PROPOSAL SHALL INCLUDE ANY SPECIAL HANDLING, TOOLS EQUIPMENT AND APPURTENANCES, TRANSPORTATION AND SPECIAL SAFETY CLOTHING AND APPURTENANCES FOR PERSONAL REQUIRED FOR ASBESTOS ABATEMENT. NO ADDITIONAL COMPENSATION WILL BE CONSIDERED RELEVANT TO THIS WORK. AFTER ACCEPTANCE OF THE PROPOSAL BY THE OWNER. THE CONTRACTOR AND OWNER SHALL HOLD DAVID BURA HARMLESS FOR ANY AND ALL OCCURENCES ARISING FROM OR RELATED TO THE ASBESTOS ABATEMENT AND/OR TRANSPORTATION TO THE APPROVED POINT OF DISPOSAL.
2. SHOULD ANY MATERIALS WHICH ARE SUSPECTED OF CONTAINING ASBESTOS BE UNCOVERED DURING DEMOLITION/RENOVATION ACTIVITIES. THE CONTRACTOR SHALL IMMEDIATELY STOP THE WORK AND NOTIFY THE ARCHITECT. THE CONTRACTOR SHALL THEN CONTACT AN ENVIRONMENTAL CONSULTANT WHO SHALL DETERMINE THE PRESENCE OF ASBESTOS MATERIALS AND PROVECE DIRECTION ON ANY PROCEDURES WHICH SHOULD BE IMPLEMENTED.
3. ANY MATERIAL COMPOSITION WHICH IS QUESTIONABLE SHALL BE BROUGHT TO THE ATTENTION OF THE ENVIRONMENTAL CONSULTANT. THE DETERMINATION OF THE MATERIAL CONTENT SHALL BE AT THE SOLE DISCREPTION OF THE CONSULTANT IF NECESSARY THE CONSULTANT SHALL

- PROVEDE CERTIFIED IDENTIFICATIONS WITHIN 48 HOURS.
4. THE CONTRACTOR SHALL PAY ALL ASSOCIATED COST TESTING AND MONITORING & FEES ASSOCIATED TO THE ASBESTOS REMOVAL.

DEMOLITION AND PROTECTION NOTES

1. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE FEDERAL, STATE AND LOCAL SAFETY AND HEALTH REGULATIONS REGARDING THE DEMOLITION OF STRUCTURES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT PROPERTY.
3. THE CONTRACTOR SHALL SUBMIT A WRITTEN NOTIFICATION TO THE ARCHITECT AND OWNER DURING THE WORK OF DEMOLITION AND CUTTING CONDITIONS ARE DISCOVERED WHICH SIGNIFICANTLY VARY FROM THOSE SHOWN ON THE DRAWINGS.
4. THE CONTRACTOR SHALL ACCEPT THE CONDITION OF THE SITE AND STRUCTURES AS FOUND. THE ARCHITECT, CONSTRUCTION MANAGER AND OWNER ASSUME NO RESPONSIBILITY FOR CONDITION OF SITE OR STRUCTURES NOR THE CONTINUATION OF THE CONDITION EXISTING AT TIME OF BIDDING OR THERE AFTER.
5. CONDUCT DEMOLITION OPERATIONS AND THE REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED OR USED FACILITIES AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
6. MAINTAIN ANY EXISTING UTILITIES REQUIRED TO REMAIN KEEP IN SERVICE AND PROTECT.
7. DISCONNECT AND SEAL ANY ABANDONED UTILITIES BEFORE STARTING DEMOLITION OPERATIONS COORDINATE ALL WORK WITH LOCAL UTILITY COMPANIES HAVING JURISDICTION.
8. BEFORE COMMENCING ANY ALTERATION OR DEMOLITION WORK SUBMIT FOR REVIEW BY THE ARCHITECT, CONSTRUCTION MANAGER AND APPROVAL OF THE OWNER, A CONSTRUCT PROGRESS SCHEDULE SHOWING THE COMMENCEMENT, THE ORDER AND THE COMPLETION DATES FOR THE VARIOUS PARTS OF THIS WORK.
9. CONTRACTOR WILL EXECUTE DEMOLITION WORK TO INSURE PROTECTION OF EXISTING PORTIONS OF BUILDING TO REMAIN AGAINST DAMAGES.
10. CONTRACTOR WILL TAKE PRECAUTIONS TO GUARD AGAINST MOVEMENT, SETTLEMENT, DAMAGE, OR COLLAPSE OF ANY PART OF BUILDING, SIDEWALKS, ADJACENT PROPERTY OR STREET PASSAGES, BE LIABLE FOR ANY SUCH DAMAGE DOES ACCIDENTALLY OCCUR, CONTRACTOR SHALL REPAIR PROMPTLY AT NO COST TO OWNER.
11. CONTRACTOR WILL MAKE SUCH EXPLORATIONS AND PROBES AS ARE NECESSARY TO ASCERTAIN ANY REQUIRED PROTECTIVE MEASURES BEFORE PROCEEDING WITH DEMOLITION AND REMOVALS GIVE PARTICULAR ATTENTION TO SHORING AND BRACING REQUIREMENTS SO AS TO PREVENT ANY DAMAGE TO EXISTING CONSTRUCTION.
12. PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING OR SUPPORT TO PREVENT MOVEMENT OF SETTLEMENT OR COLLAPSE OF STRUCTURES TO BE DEMOLISHED AND ADJACENT FACILITIES TO REMAIN A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR AT CONTRACTOR EXPENSE SHALL ADVISE ON BRACING AND SHORING UNDERPINNING OR OTHER STRUCTURAL REQUIREMENTS THE CONTRACTOR SHALL BEAR ALL RESPONSIBILITY FOR PREVENTION OF MOVEMENT OR OTHER STRUCTURAL FAULT.
13. INSPECT EXISTING CONDITIONS OF THE PROJECT, PRIOR TO COMPLETING DEMOLITION WORK, INCLUDING ELEMENTS SUBJECT TO DAMAGE OR TO MOVEMENT DURING DEMOLITION AND CUTTING AFTER UNCOVERING WORK, INSPECT THE CONDITIONS AFFECTING THE INSTALLATION OR PERFORMANCE OF THE WORK REPORT DIFFERING OR QUESTIONABLE CONDITIONS TO THE ARCHITECT IN WRITING. DO NOT PROCEED WITH THE WORK UNTIL THE ARCHITECT HAS PROVIDED FURTHER INSTRUCTIONS.
14. PROVIDE ADEQUATE TEMPORARY SUPPORT AS NECESSARY TO ASSURE THE STRUCTURAL VALUE OR INTEGRITY OF THE AFFECTED PORTION OF THE WORK.
15. USE WATER SPRINKLING, TEMPORARY ENCLOSURES AND OTHER SUITABLE METHODS TO LIMIT THE AMOUNT OF DUST AND DIRT RISING AND SCATTERING IN THE AIR TO THE LOWEST PRACTICAL LEVEL. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. DO NOT USE WATER WHEN IT MAY CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS SUCH AS ICE FLOODING AND POLLUTION PROVIDE ADEQUATE DRAINAGE TO HOME SEWER, AND PROVIDE PUMPING WHERE NECESSARY.
16. CLEAN ADJACENT STRUCTURES AND PROPERTIES OF DUST DIRT AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING PRIOR TO THE START OF THE WORK.
17. DO NOT CUT OR REMOVE CONSTRUCTION WHICH MIGHT WEAKEN OR IMPAIR THE STRUCTURAL INTEGRITY OR STRENGTH OF THE STRUCTURAL FRAMING OR SUPPORT SYSTEMS WHICH ARE TO REMAIN.
18. WHERE PORTIONS OF STRUCTURES ARE TO BE REMOVED REMAINING PORTIONS SHALL BE PROTECTED FROM DAMAGE AND PREPARED TO FIT NEW CONSTRUCTION DAMAGE TO PORTIONS OF STRUCTURES SHOWN TO REMAIN SHALL BE PREPARED AT CONTRACTOR'S EXPENSE.
19. 1BE READY AT ANY TIME TO PROMPTLY PROVIDE, ADD TO OR STRENGTHEN TEMPORARY SHORING, BRACING OR SUPPORT

- FOR EXISTING WORK IN CASE EXISTING CONSTRUCTION BEGINS TO SHOW SIGNS OF STRUCTURAL STRESS.
20. TRANSPORT MATERIALS REMOVED FROM DEMOLISHED STRUCTURES AND LEGALLY DISPOSE OF OFF SITE. PAY ANY AND ALL FEES ASSOCIATED WITH DISPOSAL WORK. LEAVE THE SITE IN AN ORDERLY CONDITION TO THE APPROVAL OF THE ARCHITECT.
21. REMOVAL OF EXISTING MASONRY AND CONCRETE SHALL BE PERFORMED BY HAND. NO JACKHAMMER OR EXPLOSIVES SHALL BE USED.
22. ALL UNDERGROUND UTILITY SERVICES SHALL BE PROTECTED.
23. PROTECT EXIST FACADE AND CORNICE.
24. SCOPE OF DEMOLITION AND REMOVALS TO INCLUDE THE FOLLOWING: ALL INTERIOR PARTITIONS AND TRIM, ETC. ALL WOOD JOISTS AND FRAMING ALL MASONRY WHERE SHOWN ALL MISC. DEBRIS AND REFUSE WITHIN BUILDING & SITE. ALL EXISTING INTERIOR PARTITIONS AND SIDE WALL FURRING.
25. PATCH, REPAIR, PAIN AND/OR REPLACE TO MATCH EXISTING, ALL WORK TO REMAIN THAT IS DAMAGED OR OTHERWISE AFFECTED BY WORK OF THIS PROJECT. SEE ALL DRAWINGS, INCLUDING MECHANICAL, ELECTRICAL, PLUMBING AND STRUCTURAL.
26. WHERE NEW FLOOR FINISH IS CALLED FOR, THE EXISTING FINISH SHALL BE PREPARED TO RECEIVE THE NEW FINISH.
27. PROVIDE DUST PROOF BARRIERS AT ALL OCCUPIED AREAS ADJACENT TO NEW WORK, AND AT PUBLIC AREAS AFFECTED BY NEW WORK.
28. PAINT NEW WORK REQUIRING PAINTING IN COLORS TO BE SELECTED BY ARCHITECT.
29. ALL SCHEDULES SHALL BE REVIEWED WITH THE OWNER AND NO WORK SHALL COMMENCE UNTIL WRITTEN APPROVAL OF SCHEDULES IS OBTAINED FROM THE OWNER. ALL APPROVALS OF WORK SCHEDULES SHALL BE OBTAINED BY THE CONTRACTOR.
30. IN ADDITION TO WORK SHOWN ON ARCHITECTURAL DRAWINGS, COORDINATE WITH HVAC, PLUMBING, ELECTRICAL AND STRUCTURAL DRAWINGS FOR OTHER WORK OF PROJECT.
31. ALL EXISTING MATERIALS REMOVED BY CONTRACTOR TO PERFORM NEW WORK AND TO BE REINSTALLED SHALL BE PROTECTED BY THE CONTRACTOR AND IF DAMAGED SHALL BE REPLACED AT HIS OWN EXPENSE.
32. WHERE PARTITIONS ARE REMOVED AND/OR RELOCATED, REPAIR FLOOR CEILING AND WALLS TO MATCH ADJACENT SURFACES.
33. WHERE NEW MASONRY PARTITIONS ARE PROVIDED, REMOVE THE EXISTING FLOOR, WALLS AND CEILING FINISHES TO PROVIDE PROPER BONDING BETWEEN THE NEW PARTITION AND THE EXISTING STRUCTURE.
34. WHERE NEW PARTITION HAVE TO GO UP THROUGH EXISTING HUNG CEILING, CUT AND REPAIR CEILING AS NECESSARY AND PROVIDE NEW CEILING MOLDINGS TO SUIT THE TYPE OF CEILING.
35. WHERE MECHANICAL AND/OR ELECTRICAL WORK IS TO BE INSTALLED AND/OR REMOVED OVER EXISTING HUNG CEILING WHICH ARE TO REMAIN, REMOVE PART OF THE CEILING AS NECESSARY TO PERFORM THE NEW WORK, REPLACE THE CEILING AFTER THE WORK IS INSTALLED, PROVIDE ALL CUTOUTS AND CEILING MOLDINGS REQUIRED TO ACCOMMODATE THE INSTALLATION OF THE NEW REGISTERS, DIFFUSERS AND OTHER CEILING ITEMS.

TREE PROTECTION NOTES

THE CONTRACTOR SHALL COMPLY WITH §(C26-1902.5) 27-1030 PROTECTION OF TREES.-NO TREES OUTSIDE THE STREET LINE SHALL BE DISTURBED OR REMOVED WITHOUT THE PERMISSION OF THE COMMISSIONER OF PARKS AND RECREATION. PROTECTION MEETING THE REQUIREMENTS OF THE DEPARTMENT OF PARKS AND RECREATION SHALL BE PROVIDED AROUND THE TRUNKS OF ALL SUCH TREES, AND WRITTEN NOTIFICATION SHALL ALSO BE MADE TO THE DEPARTMENT OF PARKS AND RECREATION AT LEAST FORTY-EIGHT HOURS PRIOR TO COMMENCEMENT OF SUCH WORK. NO DELETERIOUS, CAUSTIC, OR ACID MATERIALS SHALL BE DUMPED OR MIXED WITHIN TEN FEET OF ANY SUCH TREE, NOR SHALL SALT FOR THE REMOVAL OF ICE OR SNOW BE APPLIED WHEN RUNOFF WILL DRAIN TO A TREE.

OCCUPANCY RESISTANCE RATINGS

1. CONSTRUCTION: TYPE 1-D NON-COMBUSTIBLE CONSTRUCTION - SPRINKLERED.
2. UNLESS NOTED OTHERWISE ALL COLUMNS, BEAMS AND OTHER STRUCTURAL MEMBERS SHALL HAVE SPRAYED ON FIREPROOFING INSTALLED AT THE REQUIRED THICKNESS AND DENSITY TO ACHIEVE THE HOURLY RATINGS AS SET FORTH HEREAFTER. ALL SPRAYED-ON FIREPROOFING SHALL COMPLY WITH SECTION 27-132, INSPECTION REQUIREMENTS OF THE BUILDING CODE OF NEW YORK CITY.
3. ALL RATED PARTITIONS SHALL RUN PAST STRUCTURAL BEAMS, TO THE UNDERSIDE OF STRUCTURAL SLAB. WHERE THE PARTITIONS TERMINATE TO THE UNDERSIDE OF STRUCTURAL BEAMS, THE STRUCTURAL BEAMS SHALL HAVE ADDITIONAL SPRAYED-ON FIREPROOFING TO ACHIEVE AN AREA SEPARATION RATING EQUAL TO THAT OF THE PARTITION RATING, IF REQUIRED.
4. SPACE BETWEEN SLAB AND EXTERIOR WALL AND ALL OPENINGS IN THE FLOOR SLABS INCLUDING SPACES BETWEEN DUCTS, CONDUIT, PIPING, ETC., (EXCEPT WHEN COMPLETELY ENCLOSED BY FIRE RATED CONSTRUCTION), SHALL BE SAFED-OFF(FILLED) WITH APPROVED SAFING MATERIAL TO MAINTAIN FIRE RATING CONTINUITY OF THE

- FLOOR CONSTRUCTION. ALL JOINTS OF ANY ELEMENT OF CONSTRUCTION SHALL BE TIGHT AND PREVENT THE PASSAGE OF SMOKE OR FLAME.
5. WHERE MASONRY WALLS AT INTERIOR LOT LINES ARE BROKEN TO ACCOMMODATE STRUCTURE THEREBY REDUCING THE FIRE RATING OF THE WALL AT THE STRUCTURE, THEN THE STRUCTURE SHALL BE FIREPROOFED AT THE REQUIRED WALL RATING.
6. ALL FIRE RESISTIVE (LABELED) FIRE DOORS SHALL HAVE THE APPROPRIATE LABELS AFFIXED TO BOTH DOOR AND FRAME.
7. A FINISH OR FIRE RATING INDICATION ON A WALL SHALL MEAN THE ENTIRE LENGTH OF WALL IS TO BE FINISHED OR FIRE RATED AS INDICATED.
8. ALL PIPING, DUCTS, ETC., THAT PENETRATE FLOOR SLABS SHALL BE INSTALLED IN A MANNER THAT WILL PRESERVE THE FIRE RESISTIVE AND STRUCTURAL INTEGRITY OF THE BUILDING.
9. WHERE INTERIOR FINISH MATERIALS ARE SPACED (FURRED) FROM THEIR SUPPORTING MEMBERS, THE CONCEALED SPACES CREATED SHALL BE FIRE STOPPED AS REQUIRED BY CODE.
10. ALL RATINGS ARE TO COMPLY WITH THE FIRE RESISTANCE DESIGN MANUAL, ELEVENTH EDITION, AS MODIFIED BY RS 5-18 OF THE BUILDING CODE OF THE CITY OF NEW YORK.
11. OCCUPANCY: RESIDENTIAL J2
12. FIRE RESISTIVE RATINGS (AS PER FIRE INDEX I TABLE 3-4 OF NYC BUILDING CODE):
 - A. EXTERIOR NONBEARING WALLS:

OUTSIDE EXPOSURE	BEARING	2 HRS
3'-0" OR LESS	NON-BEARING	2 HRS
MORE THAN 3'-0",	BEARING	2 HRS
BUT LESS THAN 15'-0"	NON-BEARING	2 HRS
15'-0"OR MORE,	BEARING	1 HR
BUT LESS THAN 30'-0"	NON-BEARING	1 HR
30'-0"OR MORE	BEARING	1 HR
	NON-BEARING	0 HRS
 - B. COLUMNS, GIRDERS AND TRUSSES:
 1. SUPPORTING MORE THAN ONE FLOOR 1 HR
 2. SUPPORTING ONE FLOOR ONLY 1 HR
 - C. FLOOR CONSTRUCTION INCLUDING BEAMS 1 HR
 - D. ROOF CONSTRUCTION INCLUDING BEAMS, TRUSSES AND FRAMING, INCLUDING ARCHES, DOMES, SHELLS, CABLE SUPPORTED ROOF AND ROOF DECKS.
 1. 15'-0' OR LESS IN HEIGHT ABOVE FLOOR TO LOWEST MEMBER 1 HR
 2. 15'-0' TO 20'-0' IN HEIGHT ABOVE FLOOR TO LOWEST MEMBER 1 HR
 3. 20'-0' OR MORE IN HEIGHT ABOVE FLOOR TO LOWEST MEMBER 0 HR
 - E. INTERIOR NONBEARING WALLS:
 1. EXIT WAYS AND STAIR ENCLOSURES 2 HRS
 2. ELEVATOR HOIST WAY ENCLOSURES 2 HRS
 3. PIPE SHAFTS AND DUCT ENCLOSURES 2 HRS
 4. GAS, WATER AND EJECTOR ROOM 2 HRS
 5. ELECTRIC ROOM 2 HRS
 6. ELEVATOR MACHINE ROOMS 2 HRS
 7. BOILER ROOM 2 HRS
 - F. INTERIOR BEARING WALLS AND BEARING PARTITIONS 1 HR
13. FIRE SEPARATIONS (AS PER TABLE 5-1 OF NYC BLDG CODE) J-2 NEXT TO J-2 : 1 HOUR FIRE RATED

DIMENSIONING

1. ALL WALLS ARE ORTHOGONAL TO THE PROPERTY LINES UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE KNOWLEDGEABLE OF WHICH PROPERTY LINE DETERMINES THE ORIENTATION OF EACH WALL, AND SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS REQUIRING CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
2. PARTITIONS ARE DIMENSIONED TO THE UNFURNISHED FACE OF THE WALL UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE.
4. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD BEFORE PROCEEDING TO WITH THE WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY CORRECTIONS.
5. DOOR OPENINGS ARE GENERALLY DIMENSIONED TO CENTERLINE OF OPENING. DOOR OPENINGS THAT ARE NOT DIMENSIONALLY LOCATED ARE TO BE CENTERED BETWEEN WALLS OR POSITIONED WITH ONE JAMB AGAINST AND ADJACENT WALL OR COLUMN AS SHOWN ON THE PLANS AND/OR DETERMINED FROM THE DETAILS.
6. WHEN UNDIMENSIONED PARTITIONS APPEAR IN CONJUNCTION WITH DOOR OPENINGS THE DOOR WIDTH AND DOOR FRAME DETAILS DETERMINE THE LOCATION OF THE ADJACENT WALLS AND FRAMES.

Revision No.	Date	Remarks

APPLICATION # 310041816
 WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY: **PL, MH, BL, SD, SP, FA**

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES
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 110 York Street, Brooklyn, NY 11201
 Phone (718) 222-0322 Fax (718) 222-4496

Project:
 PROPOSED PROJECT AT:
 67 BRIGHTON 1ST LANE
 BROOKLYN, NY

Title:
 GENERAL NOTES

Checked: RMS	Date: 09/10/07
Signature:	Scale:
Seal:	Drawn: Joe # 27164
	Dwg # A-006

PARTITION NOTES

- DEFLECTION FOR ALL PARTITIONS SHALL NOT EXCEED 1/240TH OF THE SPAN MAXIMUM FOR TYPICAL GYPSUM PARTITIONS, OR 1/360 FOR WOOD-CLAD PARTITIONS, OR STONE-CLAD PARTITION SYSTEMS.
- WATER RESISTANT DRYWALL (FOR THE FULL HEIGHT OF THE PARTITION CONSTRUCTION) SHALL BE USED IN TOILETS, SHOWERS, SERVICE ROOMS, ETC. USE STANDARD GYPSUM BOARD FOR CEILING CONSTRUCTION.
- PENETRATIONS: COORDINATE WITH MECHANICAL CONTRACTOR FOR OPENINGS REQUIRED FOR RETURN AIR IN FULL HEIGHT PARTITIONS.
- PROVIDE LATERAL BRACING TO STRUCTURE ABOVE FINISHED CEILINGS FOR PARTITIONS EXCEEDING UNSUPPORTED HEIGHTS INDICATED ON DRAWINGS.
- PROVIDE HORIZONTAL CONTROL JOINTS AT 12'-0" O.C. IN THE VERTICAL DIRECTION UNLESS NOTED OTHERWISE.
- PROVIDE CONTROL JOINTS IN GYPSUM WALLBOARD CONSTRUCTION SUCH THAT PARTITION OR FURRING RUNS DO NOT EXCEED 30', AND CEILING DIMENSIONS DO NOT EXCEED 50' IN EITHER DIRECTION WITH PERIMETER RELIEF OR 30' WITHOUT PERIMETER RELIEF.
- PROVIDE VERTICAL CONTROL JOINTS WITH SEALANT IN MASONRY WALLS AS SHOWN IN DRAWINGS WITH MAXIMUM SPACING OF 25'-0".
- COMPLETELY SEAL WITH ACOUSTICAL SEALANT HEADS, BASES, AND ENDS, PLUS ALL PENETRATIONS(INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, AND PLUMBING WORK).
- PROVIDE SOUND BLANKETS AS INDICATED.

FINISHES AND DETAILS

- INTERIOR FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH SURFACE FLAME SPREAD RATINGS (PER RS 5-5) AND SHALL BE USED IN ACCORDANCE WITH TABLE 504, AND 27-348. % OF THE AGGREGATE
- NO INTERIOR FINISH MATERIAL COVERING MORE THAN 20 WALL AND CEILING AREA, SHALL BE USED IF IT DEVELOPS SMOKE IN GREATER DENSITY THAN THE RATING SHOWN IN TABLE 27-348(d).
- ATTACHMENTS AND ADHESIVES FOR INTERIOR FINISH TO HAVE THE SAME FLAME-SPREAD, AND SMOKE DEVELOPED RATING OF THE INTERIOR FINISHES, AS PER 27-348(F).
- NO MATERIAL SHALL BE USED IN ANY INTERIOR LOCATION WHICH WILL PRODUCE PRODUCTS MORE TOXIC THAN THOSE GIVEN OFF BY WOOD OR PAPER WHEN DECOMPOSING OR BURNING AS PER 27-348(E).
- COATINGS APPLIED BY BRUSH OR SPRAY SHALL NOT BE USED AS FLAME-SPREAD RETARDANTS EXCEPT AS PROVIDED IN 27-349.
- FOR CONSTRUCTION GROUP 1, COMBUSTIBLE FLOORING MAY BE USED WHEN IN COMPLIANCE WITH 27-351(B).
- FLOORS IN REQUIRED EXITS SHALL NOT HAVE ANY CARPET. ONLY WOOL CARPETING MAY BE INSTALLED IN LOBBY AREAS, EXIT PASSAGEWAYS, AND CONVENIENCE STAIRS, AS PER 27-351(D)(1).
- CARPET, WHEN USED AS A FLOOR COVERING, SHALL HAVE FLAMMABILITY REQUIREMENTS IN ACCORDANCE WITH RS 5-20. IF USED AS AN INTERIOR FINISH, IT SHALL COMPLY WITH PROVISIONS REGARDING INTERIOR FINISH, IT SHALL COMPLY WITH PROVISIONS REGARDING INTERIOR FINISHES AS PER 27-348.
- ALL GLASS PANELS, USED IN WINDOWS, IN DOORS, AS INTERIOR PARTITIONS, ETC., SHALL BE IN COMPLIANCE WITH SUBCHAPTER 10, ARTICLE 12, AND RS 10-68. THICKNESS, MAXIMUM GLASS PANEL AREA, STRENGTH, ETC., OF GLASS PANEL SHALL BE IN ACCORDANCE WITH TABLES 10-6, 10-7, 10-8 OF SUBCHAPTER 10 ARTICLE 12.
- EXCEPT FOR MISCELLANEOUS TRIMS, MOLDINGS, ETC., ALL WOOD USED SHALL BE FIRE-RETARDANT, I.E. COUNTER TOPS, CABINETS, DOORS, ETC.

LOCAL LAW 58/87 NOTES

- ALL UNITS SHALL BE ADAPTABLE AS REQUIRED BY LOCAL LAW 58/87.
- ADAPTABLE UNITS SHALL HAVE DOOR WIDTHS AND CLEAR FLOOR SPACES PER RS 4-6.
- INTERIOR ACCESS, FLOOR SURFACES, ADAPTABLE KITCHENS, ADAPTABLE KITCHENETTES AND ADAPTABLE BATHROOMS SHALL BE PER RS 4-6.
- ADAPTABILITY SHALL APPLY TO WATER CLOSET AND TOILET PAPER DISPENSER, LAVATORY AND REMOVABLE BASE CABINET, MIRRORS, MEDICINE CABINET, BATHTUB AND CONTROLS, BATHTUB AND SHOWER ENCLOSURE, REINFORCED AREAS FOR GRAB BARS, CLEARANCE BETWEEN OPPOSING BASE CABINETS, COUNTER TOPS, APPLIANCES AND WALLS, ADJUSTABLE OR REPLACEABLE SINK AND REMOVABLE BASE CABINET, AS WELL AS STORAGE CABINETS, DRAWERS AND SHELVES.

EGRESS NOTES

- CORRIDORS ARE TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF 27-369, INCLUDING THE FOLLOWING CORRIDORS ARE TO HAVE A CLEAR HEIGHT OF 75% OF FLOOR AREA, WITH NO POINT LESS THAN 7"-6" FOR AT LEAST 7'-0" IN HEIGHT. NO PROJECTION BELOW THE CEILING IS TO BE LOCATED SO AS TO OBSTRUCT FULL VIEW OF EXIT SIGNS.
- DOORS ARE TO COMPLY WITH ALL APPLICABLE

REQUIREMENTS OF 27-371, INCLUDING THE FOLLOWING:

- DOORS FOR REQUIRED EXITS ARE TO BE SELF CLOSING WITH A 1 1/2 HOUR FIRE PROTECTION RATING, EXCEPT THAT EXTERIOR STREET FLOOR EXIT DOORS HAVING AN EXTERIOR SEPARATION OF MORE THAN 15' NEED NOT BE FIRE PROTECTED.
 - DOOR JAMBS OR STOPS AND THE DOOR THICKNESS WHEN OPEN IS NOT TO REDUCE THE REQUIRED WIDTH BY MORE THAN 3" FOR EACH 22" OF WIDTH DOOR OPENINGS TO ALL HABITABLE AND OCCUPIABLE ROOMS IS TO BE A MINIMUM NOMINAL WIDTH OF 32".
 - ALL EXIT DOORS ARE TO BE OPEN IN THE DIRECTION OF THE EGRESS.
 - FLOOR LEVELS ON BOTH SIDES OF ALL EXIT AND CORRIDOR DOORS ARE TO BE ESSENTIALLY LEVEL AND AT THE SAME ELEVATIONS FOR A DISTANCE, PERPENDICULAR TO THE DOOR OPENING, AT LEAST EQUAL TO THE WIDTH OF THE DOOR LEAF, EXCEPT THAT WHERE DOORS LEAD OUT OF A BUILDING THE FLOOR LEVEL INSIDE MAY BE 7 1/2" HIGHER THAN THE LEVEL OUTSIDE.
- INTERIOR STAIRS ARE TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF 27-375 AND TABLE 6-4, INCLUDING THE FOLLOWING:
 - THE CLEAR HEADROOM IS TO BE 7' MINIMUM.
 - LANDINGS AND PLATFORMS PROVIDED AT THE HEAD AND FOOT OF EACH FLIGHT OF STAIRS ARE TO HAVE A MINIMUM WIDTH, PERPENDICULAR TO THE DIRECTIONS OF TRAVEL, OF AT LEAST THE WIDTH OF THE STAIR. IN AN INTERMEDIATE LANDING IN STRAIGHT-RUN STAIRS, THE DISTANCE BETWEEN RISERS OF THE UPPER AND LOWER FLIGHTS NEED NOT BE MORE THAN 44". LANDINGS AND PLATFORMS ARE TO BE ENCLOSED BY WALLS, GRILLS, OR GUARDS AT LEAST 3' HIGH.
 - THE MAXIMUM VERTICAL RISE OF A SINGLE FLIGHT OF STAIRS BETWEEN FLOORS IS NOT TO EXCEED 12' IN ALL OCCUPANCY GROUPS, EXCEPT F AND H WHERE THE VERTICAL RISE IS NOT TO EXCEED 8'. NO FLIGHT OF STAIRS IS TO HAVE LESS THAN TWO RISERS.
 - THE SUM OF TWO RISERS PLUS ONE THREAD IS NOT TO BE LESS THAN 24" NOR MORE THAN 25 1/2". RISER HEIGHT AND THREAD WIDTH SHALL BE CONSISTENT IN ANY FLIGHT OF STAIRS FROM STORY TO STORY.
 - AS PER 27-381, ILLUMINATION OF AT LEAST TWO FOOT CANDLES MEASURED AT THE FLOOR LEVEL SHALL BE MAINTAINED CONTINUOUSLY, DURING OCCUPANCY IN EXISTS AND THEIR ACCESS FACILITIES FOR THEIR FULL LENGTH, AT CHANGES IN DIRECTION IN AND INTERSECTIONS OF CORRIDORS, BALCONIES, EXIT PASSAGEWAYS, STAIRS, RAMPS, ESCALATORS, BRIDGES, TUNNELS, LANDINGS, AND PLATFORMS, AND AS PROVIDED IN SUBCHAPTER 5 OF THIS CHAPTER FOR PLACES OF ASSEMBLY, EXCEPT THAT THIS REQUIREMENT SHALL NOT APPLY TO DWELLING UNITS.
 - AS PER 27-381, BUILDINGS AND EXISTING BUILDINGS CONTAINING AN F-4 PLACE OF ASSEMBLY WITH AN OCCUPANT LOAD OF THREE-HUNDRED OR MORE PERSONS SHALL INSTALL EMERGENCY LIGHTING IN EACH VERTICAL EXIT SERVING THE FLOOR ON WHICH THE PLACE OF ASSEMBLY IS LOCATED SO AS TO PROVIDE A CONTINUOUSLY LIGHTED PASSAGE TO THE EXTERIOR OF THE BUILDING. SUCH LIGHTING SHALL BE CONNECTED TO AN EMERGENCY POWER SOURCE OR TO STORAGE BATTERY EQUIPMENT MEETING THE REQUIREMENTS OF THE BUREAU OF ELECTRICAL CONTROL OF THE DEPARTMENT OF THE GENERAL SERVICES AND THE COMMISSIONER.
 - BS&A APPROVED TYPE EXIT SIGNS ARE TO BE PROVIDED AS REQUIRED, PER SUBCHAPTER 6, ARTICLE 7.

CONTRACTOR SUBMITTALS

- CONTRACTOR SHALL PROVIDE THE FOLLOWING FORMS TO THE APPLICANT FOR SUBMITTAL TO THE DEPARTMENT OF BUILDINGS.
 - CONCRETE MASONRY FORMS 10H AND 10J
 - QUALITY OF STEEL AFFIDAVIT FORM 2055.

PLUMBING AND DRAINAGE NOTES

- ALL PLUMBING AND GAS PIPING WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE SUBCHAPTER 16 AND REFERENCE STANDARD RS-16 OF THE NEW YORK CITY BUILDING CODE.
- ALL MATERIALS AND EQUIPMENT INSTALLED SHALL BE OF MANUFACTURE AND MODEL APPROVED FOR USE IN NEW YORK CITY, COMPLETE WITH M.E.A. APPROVAL NO'S.
- ALL GAS-FIRED EQUIPMENT TO BE A.G.A OR M.E.A. APPROVED.
- PLUMBING CONTRACTOR TO EXAMINE PROPOSED LAYOUT WITH REGARD TO EXISTING FIELD CONDITIONS, AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN ASSUMED FIELD CONDITIONS AND THOSE ENCOUNTERED DURING CONSTRUCTION. PLUMBING CONTRACTOR SHALL INFORM ARCHITECT OF ANY REVISIONS TO PLAN WHICH SHALL BE NECESSARY, BASED ON CONDITIONS UNCOVERED IN THE FIELD, IN ORDER TO INSTALL ALL FIXTURES, EQUIPMENT AND PIPING IN STRICT ACCORDANCE WITH REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE AND/OR AS PER DESIGNS SHOWN IN THE CONTRACT DOCUMENTS.
- PLUMBING CONTRACTOR SHALL ARRANGE AND OBTAIN INSPECTIONS AND REQUIRED SIGN-OFFS.
- WATER SUPPLY BRANCHES AND RISERS SHALL BE SIZED TO PRODUCE VELOCITIES NOT IN EXCESS OF 8 FPS FOR THE PROBABLE DEMAND FLOW.
- A SHUT-OFF VALVE AND DRAIN VALVE SHALL BE INSTALLED AT

THE FOOT OF EACH WATER SUPPLY RISER, AS PER RS-16,P107.69(B).

MECHANICAL VENTILATION NOTES:

- ALL BATHROOM AND TOILET ROOMS TO HAVE MECHANICAL VENTILATION PROVIDING MINIMUM 50 CFM EXHAUST. BATHROOM DUCT RISERS TO BE 8X8, MINIMUM 18 GA SHEET METAL.
- ALL KITCHENETTES TO BE PROVIDED WITH MECHANICAL VENTILATION PROVIDING MIN 125 CFM EXHAUST KITCHEN DUCT RISERS TO 8X10, MINIMUM 18 GA SHEET METAL.
- DUCT RISERS TO BE FIRE RETARDED WITH TWO (2) LAYERS TYPE 'X' GYPSUM BOARD ON ALL SIDES, ATTACHED WITH CONSTRUCTION ADHESIVE AND 18 GA WIRE TIES @ 4'-0" O.C. (NO SCREWS TO BE USED).
- WHERE DUCTS PASS THROUGH FLOOR, FLOOR OPENINGS TO BE CUT TIGHT TO DUCT, AND REMAINING GAP BETWEEN DUCT AND FLOOR CONSTRUCTION TO BE FILLED WITH MINERAL WOOL.
- EACH BATHROOM AND KITCHEN TO BE EQUIPPED WITH ITS OWN INDEPENDENT EXHAUST BLOWER WITH BACKDRAFT DAMPER.
- EACH BATHROOM AND KITCHEN OUTLET TO BE EQUIPPED WITH A BS&A APPROVED FIRE DAMPER.
- ALL DUCT WORK SHALL BE CONSTRUCTED AS PER RS-13-1 (301), DUCT HANGERS SHALL BE AS PER RS-13-1 (319).
- MINIMUM 8'X8' OUTDOOR AIR INTAKE (F.A.I.) WITH BS&A APPROVED FIRE DAMPER TO BE PROVIDED FOR BOILER ROOM.

NOISE CONTROL IN MULTIPLE DWELLING BUILDINGS:

- NOISE CONTROL IN MULTIPLE DWELLING BUILDINGS TO MEET N.Y.C. BUILDING CODE 27-768, 27-769 AND 27-770.

ENERGY CODE NOTES

ALL PERTINENT DATA AND DESIGN CRITERIA REGARDING THE FOLLOWING SHALL CONFORM WITH BOTH THE NEW YORK STATE ENERGY CONSERVATION CODE AND NEW YORK CITY BUILDING CODE, WHICHEVER IS MORE STRINGENT:

- "U" VALUES OF THE ENVELOPE SUBSYSTEM.
- DESIGN INSIDE AIR TEMPERATURE OF EACH ROOM THAT IS TO BE HEATED AND/OR COOLED.
- DESIGN OUTDOOR AIR TEMPERATURE.
- DESIGN HEAT LOSS AND /OR HEAT GAIN THROUGH EACH EXTERIOR FACADE IN B.T.U./HR.
- "R" VALUES OF INSTALLATION MATERIALS.
- SIZE AND TYPE OF APPARATUS, EQUIPMENT, SYSTEM CONTROLS AND OTHER PERTINENT DATA TO INDICATE CONFORMANCE WITH THE REQUIREMENTS OF THE CODE.
- ELECTRICAL LIGHTING AND POWER DESIGN DATA.
- FIRE PROTECTION CONSTRUCTION REQUIREMENTS , INCLUDING BUILDING CODE LIMITATIONS REGARDING USE AND INSULATION OF EQUIPMENT: AND THAT THE CONSTRUCTOR OR HIS AUTHORIZED REPRESENTATIVES WILL OBTAIN ALL NECESSARY APPROVALS FOR ELECTRICAL WORK FROM THE BUREAU OF GAS AND ELECTRICITY.

- "U" VALUES OF ENVELOPE SYSTEM,

WALLS	R-11	U=0.08
FLOORS	R-11	U=0.08
ROOF	R-19	U= 0.05
- DESIGN OF INSIDE AIR TEMPERATURE OF EACH ROOM THAT IS HEATED AND/OR COOLED

HEATED	70F (MIN. N.Y.C.)
HEATED	72F (MAX. N.Y.C.)

ABBREVIATIONS			
A.C.	AIR CONDITIONING	H.CAB.	HANGING CABINET
A.D.	AREA DRAIN	H.M.	HOLLOW METAL
A.T.C.	ACOUSTIC TILE CEILING	H.P.	HIGH POINT
A.F.F.	ABOVE FINISHED FLOOR	H.R.	HAND RAIL
ALUM.	ALUMINUM	H.V.	HALL VENT (DUCT)
A.N.	AS NOTED	H.V.A.C.	HEATING, VENTILLATION, & AIR CONDITIONING
APT.	APARTMENT		
B.	BATHROOM	I.D.	INSIDE DIAMETER
B.C.	BRICK COURSE	INC.	INDUCING
BLDG.	BUILDING	INSUL.	INSULATION
BLK.	BLOCK		
BM.	BEAM	JT.	JOINT
BOTT.	BOTTOM		
BR.	BRICK	LAM.	LAMINATED
B.S.A.A.	BOARD OF STANDARDS AND APPEALS.	LAV.	LAVATORY
		L.C.L.	LINEN CLOSET
B.T.	BATH TUB	L.P.	LOW POINT
		L.R.	LIVING ROOM
		L.W.	LIGHT WEIGHT
CAB.	CABINET	MAX.	MAXIMUM
CEM.ASB	CEMENT ASBESTOS	M.C.	MEDICINE CABINET
C.H.	CONCRETE HARDENER	M.CL.	METER CLOSET
C.J.	CONSTRUCTION JOINT	MET.	METAL
CL.	CLOSET	M & G	METAL AND GLASS
CL'G.	CEILING	MIN.	MINIMUM
C.M.T.	CORRUGATED METAL BRICK TIE	M.L.	METAL LOUVER
COL.	COLUMN	M.O.	MASONRY OPENING
CONC.	CONCRETE	M.S.	MARBLE SILL
CONT.	CONTINUOUS	MTL.S.	METAL SILL
CONV.	CONVECTOR	M.V.	MECHANICAL VENTILATION
CPT.	CARPET		
C.R.	CEILING REGISTER	N.C.	NON CORRODING
C.S.	CAST STONE	N.I.C.	NOT IN CONTRACT
C.T.	CERAMIC TILE	N.T.S.	NOT TO SCALE
C.W.	COLD WATER		
D.	DIAMETER	O.C.	ON CENTER
D.E.	DRYER EXHAUST	O.D.	OUTSIDE DIAMETER
DET.	DETAIL	O.F.	OVERFLOW
D.L.	DOUBLE LAYER	O.H.	OPPOSITE HAND
DN.	DOWN	OP'G.	OPENING
D.W.	DISH WASHER		
DWG.	DRAWING	P	PAINTED
		PARTN.	PARTITION
E.G.	ESTABLISHED GRADE	P.D.	PUMP DISCHARGE
E.H.	ELECTRIC HEATER	P.DR.	PLASTER DRAIN
E.J.	EXPANSION JOINT	P.E.	PASSENGER ELEVATOR
E.L.	ELEVATION LEVEL	P.H.V	PUBLIC HALL VENT (DUCT)
ELEC	ELECTRIC	P.R.	POWDER ROOM
ELEV.	ELEVATION		
EQ.	EQUAL	Q.T.	QUARRY TILE
E.W.P.M.	ELASTOMERIC WATERPROOF MEMBRANE		
F.	FOYER	RM.	ROOM
F.A.I.	FRESH AIR INTAKE	RESIL.	RESILIENT
F.D.	FLOOR DRAIN	S.H.	SERVICE HALL
F.F.	FINISHED FLOOR	SPKL.	SPRINKLER
FIN.	FINISH	S.S.	SLOP SINK
FLASH'G	FLASHING	ST.	STEEL
FLR.	FLOOR	S.T.C.	SOUND TRANSMISSION CLASS
F.P.	FIRE PROOF	STOR.	STORAGE
F.P.H.B.	FROST PROOF HOSE BIBB	T.R.	TOP REGISTER
F.P.S.C.	FIRE PROOF SELF CLOSING	T.V.	TOILET VENT (DUCT)
F.S.P.	FIRE STAND PIPE		
		U	URINAL
GA.	GAUGE	V.A.T.	VINYL ASBESTOS TILE
GALV.	GALVANIZED	V.C.J.	VERTICAL CONTROL JOINT
GL.	GLASS	VEST.	VESTIBULE
GR.	GRADE	V.W.C.	VINYL WALL COVERING
G.W.B.	GYPSUM WALL BOARD		
H.B.	HOSE BIB	W/	WITH
H.C.	HUNG CEILING	W.C.	WATER CLOSET

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GENERAL NOTES

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28-25 DAYLIGHT IN CORRIDORS:
 50% OF THE SQUARE FOOTAGE OF A CORRIDOR MAY BE EXCLUDED FROM THE DEFINITION OF FLOOR AREA IF A WINDOW WITH A CLEAR, NON-TINTED, GLAZED AREA OF AT LEAST 20 SQUARE FEET IS PROVIDED IN SUCH CORRIDOR, PROVIDED THAT SUCH WINDOW:
 A) SHALL BE DIRECTLY VISIBLE FROM 50% OF THE CORRIDOR OR FROM THE VERTICAL CIRCULATION CORE. THIS STANDARD SHALL BE ACHIEVED WHEN A VISUALLY UNOBSTRUCTED STRAIGHT LINE CAN BE DRAWN BETWEEN SUCH CORRIDOR, ELEVATOR OR STAIRWELL, AND THE WINDOW, AND
 B) IS LOCATED AT LEAST 20 FEET FROM A WALL OR A SIDE OR REAR LOT LINE MEASURED IN A HORIZONTAL PLANE AND PERPENDICULAR TO THE ROUGH WINDOW OPENING.
 PROPOSED: A DOUBLE GLAZED GLASS ENTRY DOOR TYPE D1 SHALL BE SUPPLIED AT ENTRANCE FOR A TOTAL OF 21 SF, WHICH IS VISIBLE AS REQUIRED FROM THE NECESSARY LOCATIONS.

FIRE SEPARATION NOTE:
 2 HR F.R. WALL, BETWEEN APARTMENTS, CORR., AND STAIRS SEE DWG A602 FOR DETAILS.

SMOKE AND CARBON MONOXIDE DETECTOR NOTE:
 PER LOCAL LAW 7 OF 2004, COMBINATION CARBON MONOXIDE AND SMOKE DETECTING DEVICES SHALL BE PROVIDED IN EVERY DWELLING UNIT IN THIS BUILDING, WHICH ACCOMMODATES OCCUPANCY GROUP J-2. AS INDICATED ON BOTH THE ARCHITECTURAL AND ELECTRICAL PLANS, THESE DETECTING DEVICES SHALL BE INSTALLED WITHIN FIFTEEN FEET OF EACH ROOM LAWFULLY USED FOR SLEEPING PURPOSES.

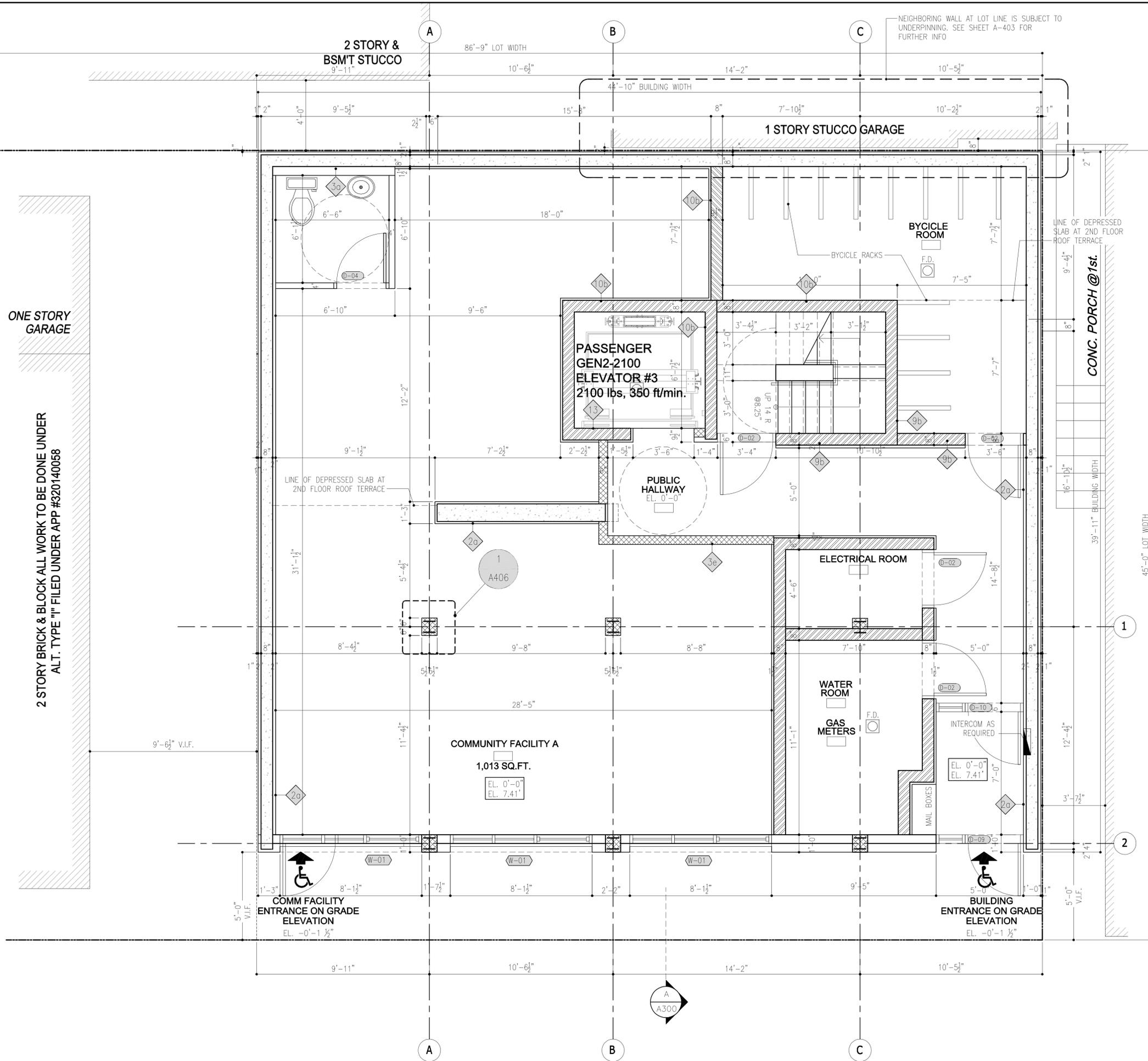
SPRINKLER NOTE:
 ENTIRE BUILDING TO BE FULLY SPRINKLERED WITH AUTOMATIC SPRINKLER SYSTEM AS REQD. SEE SPRINKLER DWGS. FOR DETAILS AND 4" RISER SPECIFICATIONS AND LOCATION. NO STANDPIPE REQD. FOR BLDG. UNDER 75'-0" HIGH PER NYC BC.

APT. ENTRY DOORS NOTE:
 ALL APARTMENT ENTRY DOORS TO HAVE FLUSH STEEL DOOR AND STEEL FRAME W/PEEP HOLE & MORTISE LOCKAS REQD. BY MDL (CLASS 'A' 1 1/2 HR RATED F.P.S.C.) SEE DWG. A600 FOR DETAILS.

NOTES:
 1. VENTILATION SYSTEMS SUPPLYING CORIDORS ARE SEPARATED FROM OTHER SPACES (TYP. THROUGHOUT).
 2. VENTILATION SYSTEMS SUPPLYING MEANS OF EGRESS ARE SEPARATED FROM OTHER SPACES (TYP. THROUGHOUT).

ONE STORY GARAGE

2 STORY BRICK & BLOCK ALL WORK TO BE DONE UNDER
 ALT. TYPE "M" FILED UNDER APP #320140058



NEIGHBORING WALL AT LOT LINE IS SUBJECT TO UNDERPINNING. SEE SHEET A-403 FOR FURTHER INFO

Revision No.	Date	Remarks

LEGEND

	EXISTING NEIGHBOR WALL
	BEARING CMU WALL
	2HR FIRE-RATED PARTITION WALL
	2HR FIRE-RATED WET WALL
	WET WALL
	CONCRETE WALL
	INTERCOM PANEL

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Project:
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 67 BRIGHTON 1ST LANE
 BROOKLYN, NY**

Title:
FIRST FLOOR PLANS

Checked: RMS	Date: 09/10/07
Signature:	Scale: 1/8" = 1'-0"
Seal:	Drawn: YM
	Job #: 27164
	Dep #: A-100

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 PER LOCAL LAW 7 OF 2004, COMBINATION CARBON MONOXIDE AND SMOKE DETECTING DEVICES SHALL BE PROVIDED IN EVERY DWELLING UNIT IN THIS BUILDING, WHICH ACCOMMODATES OCCUPANCY GROUP J-2. AS INDICATED ON BOTH THE ARCHITECTURAL AND ELECTRICAL PLANS, THESE DETECTING DEVICES SHALL BE INSTALLED WITHIN FIFTEEN FEET OF EACH ROOM LAWFULLY USED FOR SLEEPING PURPOSES.

SRINKLER NOTE:
 ENTIRE BUILDING TO BE FULLY SPRINKLERED WITH AUTOMATIC SPRINKLER SYSTEM AS REQD. SEE SPRINKLER DWGS. FOR DETAILS AND 4" RISER SPECIFICATIONS AND LOCATION. NO STANDPIPE REQD. FOR BLDG. UNDER 75'-0" HIGH PER NYC BC.

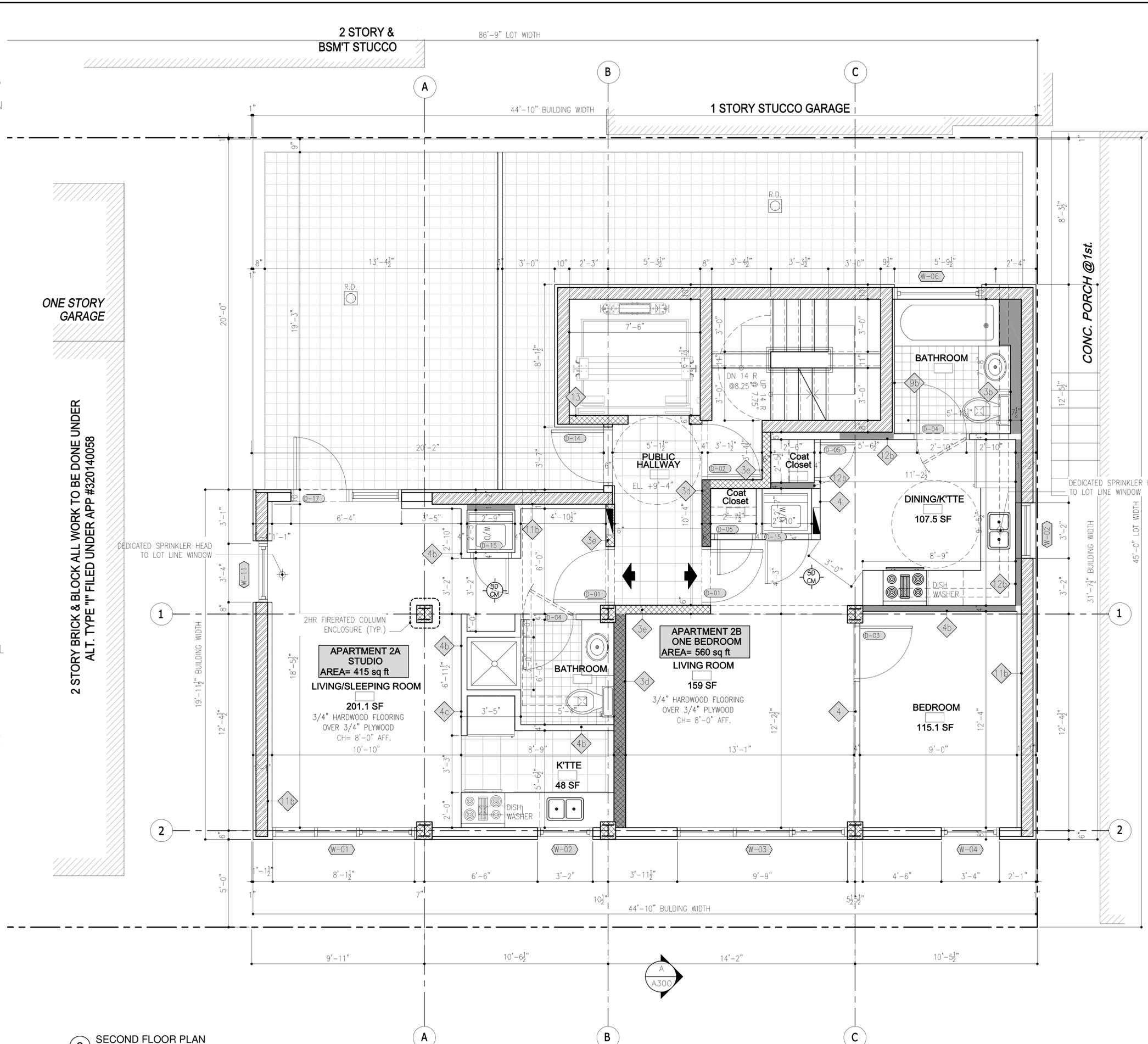
APT. ENTRY DOORS NOTE:
 ALL APARTMENT ENTRY DOORS TO HAVE FLUSH STEEL DOOR AND STEEL FRAME W/PEEP HOLE & MORTISE LOCKAS REQD. BY MDL (CLASS 'A' 1 1/2 HR RATED F.P.S.C.) SEE DWG. A600 FOR DETAILS.

NOTES:
 1. VENTILATION SYSTEMS SUPPLYING CORIDORS ARE SEPARATED FROM OTHER SPACES (TYP. THROUGHOUT).
 2. VENTILATION SYSTEMS SUPPLYING MEANS OF EGRESS ARE SEPARATED FROM OTHER SPACES (TYP. THROUGHOUT).

ONE STORY GARAGE

2 STORY BRICK & BLOCK ALL WORK TO BE DONE UNDER
 ALT. TYPE "I" FILED UNDER APP #320140058

2 SECOND FLOOR PLAN
 3/8"=1'-0"



Revision No.	Date	Remarks

LEGEND	
	EXISTING NEIGHBOR WALL
	BEARING CMU WALL
	2HR FIRE-RATED PARTITION WALL
	2HR FIRE-RATED WET WALL
	WET WALL
	CONCRETE WALL
	INTERCOM PANEL

APPLICATION # 310041816
 WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY:
PL, MH, BL, SD, SP, FA

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

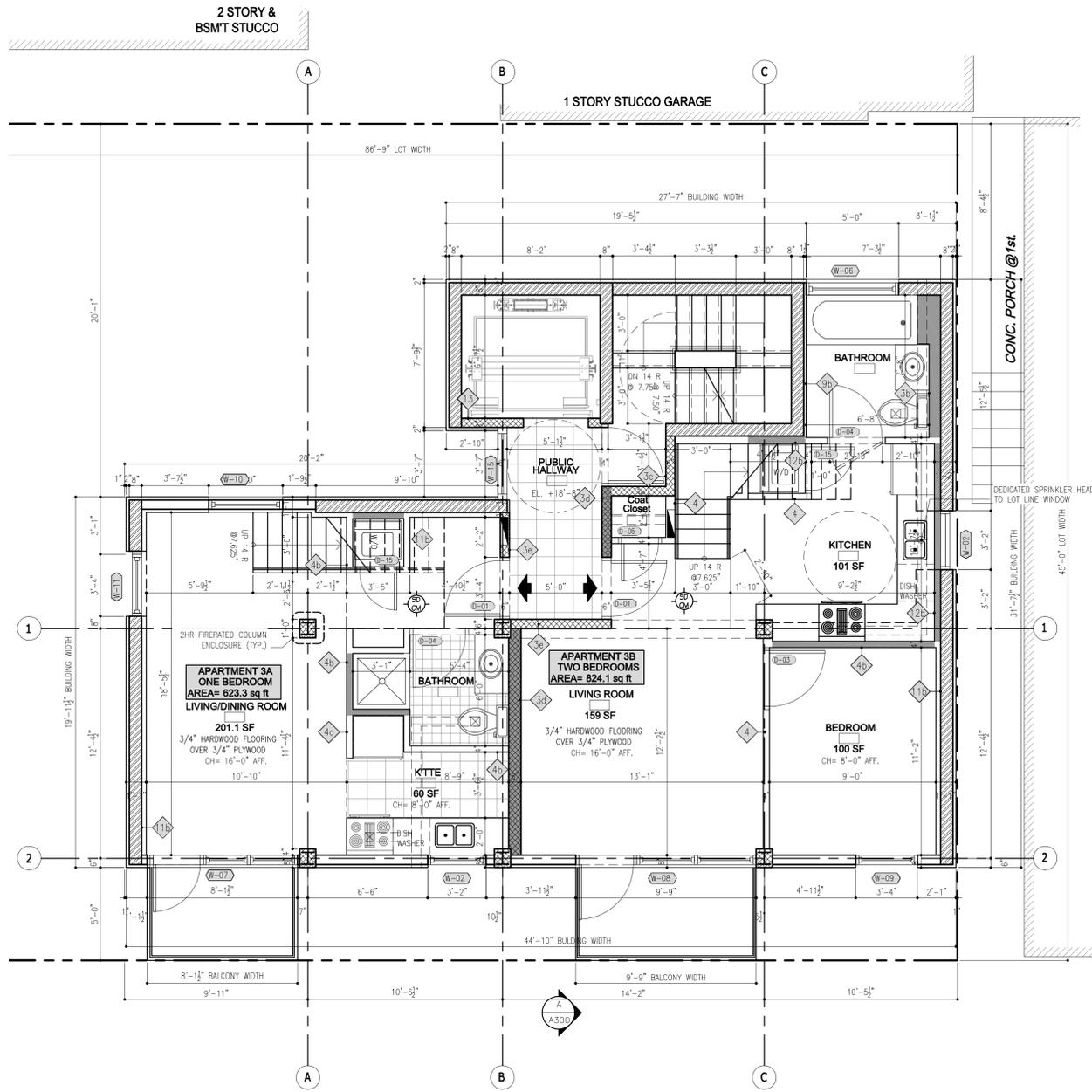
SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES ARCHITECTS
 110 York Street, Brooklyn, NY 11201
 Phone (718) 222-0322 Fax (718) 222-4496

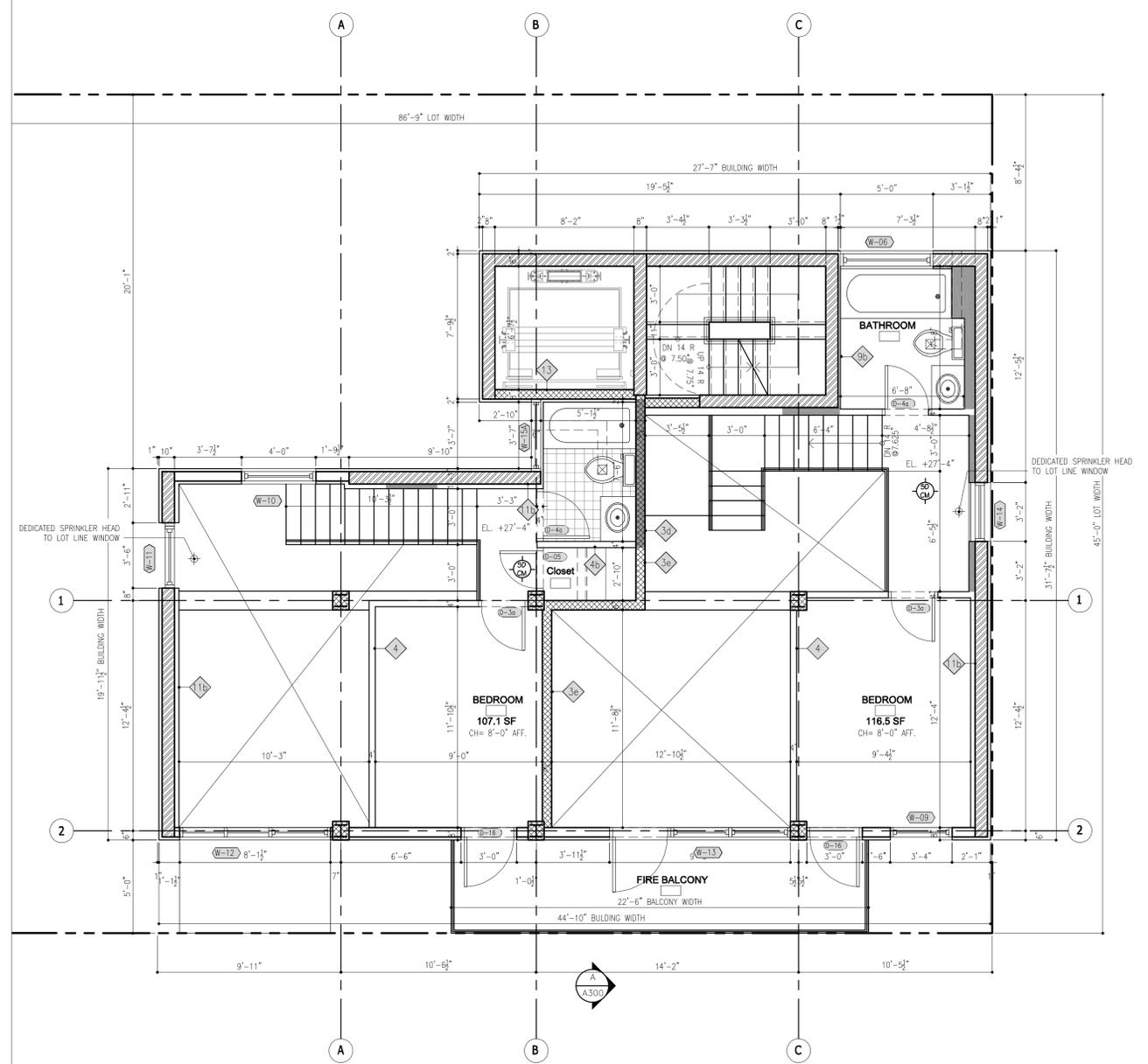
Project:
**PROPOSED PROJECT AT:
 67 BRIGHTON 1ST LANE
 BROOKLYN, NY**

Title:
SECOND FLOOR PLANS

Checked: RMS	Date: 09/10/07
Signature:	Scale: 1/8"=1'-0"
Seal:	Drawn: YM
	Job #: 27164
	Dwg #: A-101



3 3RD FLOOR PLAN
1/4"=1'-0"



4 4TH FLOOR PLAN
1/4"=1'-0"

Revision No.	Date	Remarks

- LEGEND**
- EXISTING NEIGHBOR WALL
 - BEARING CMU WALL
 - 2HR FIRE-RATED PARTITION WALL
 - 2HR FIRE-RATED WET WALL
 - WET WALL
 - CONCRETE WALL
 - INTERCOM PANEL

APPLICATION # 310041816
WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY:
PL, MH, BL, SD, SP, FA

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

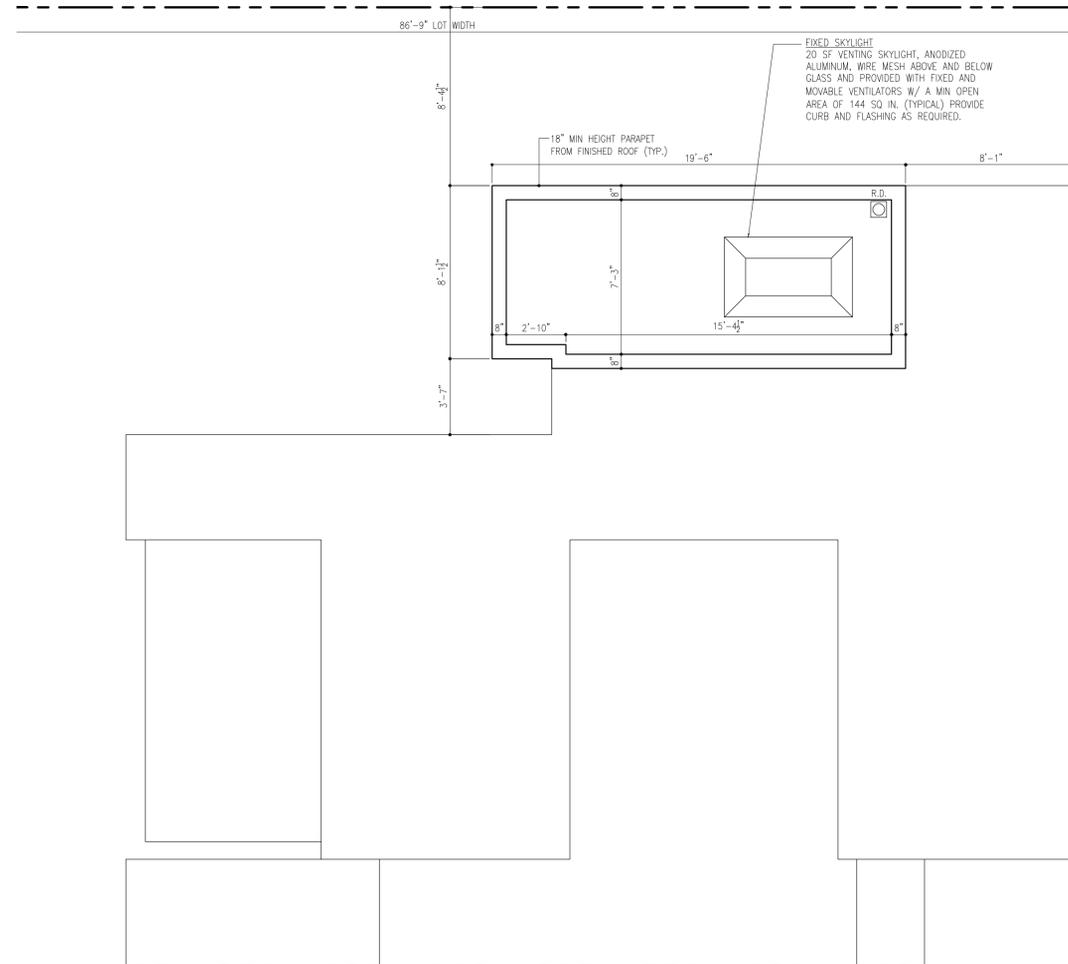
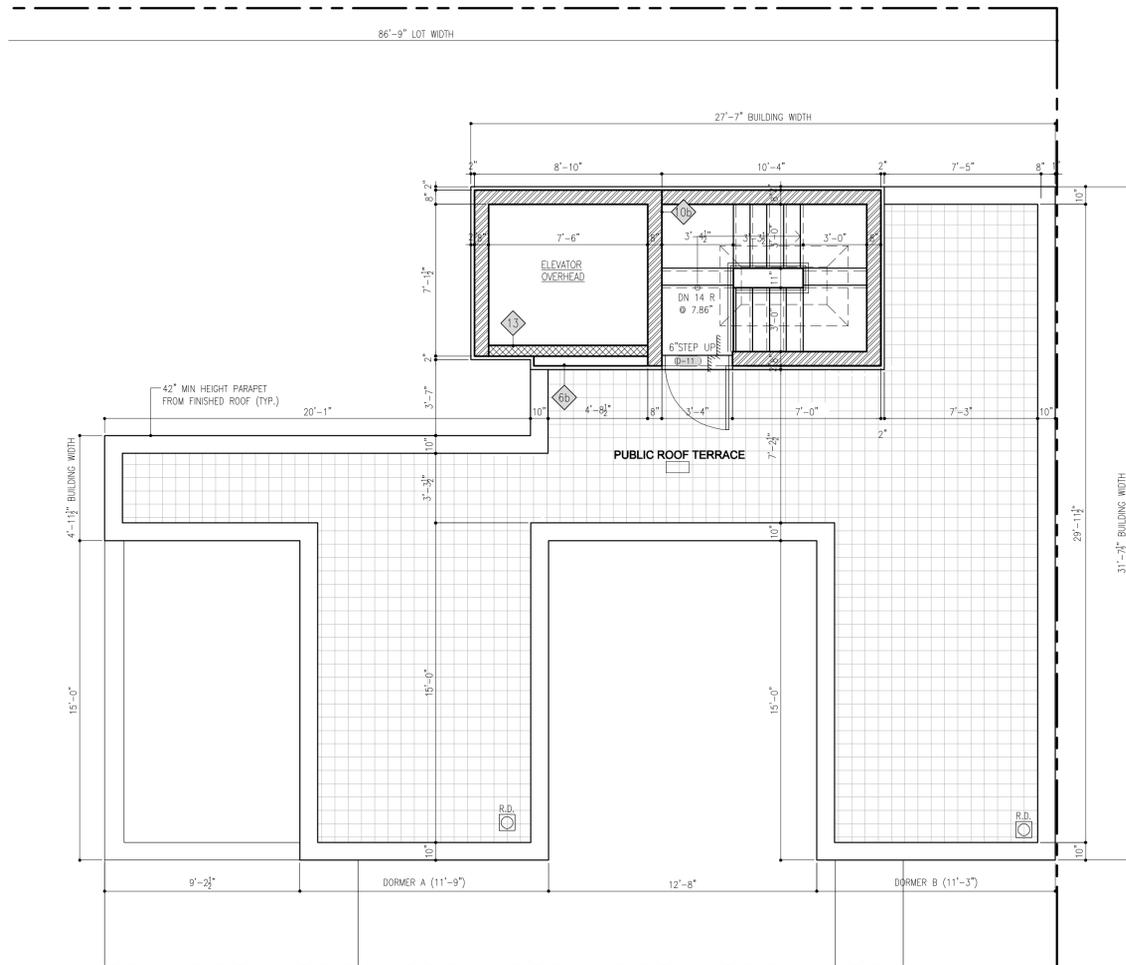
SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES ARCHITECTS
110 York Street, Brooklyn, NY 11201
Phone (718) 222-0322 Fax (718) 222-4486

Project:
**PROPOSED PROJECT AT:
67 BRIGHTON 1ST LANE
BROOKLYN, NY**

Title:
THIRD & FOURTH FLOOR PLANS

Checked: RMS	Date: 09/10/07
Signature:	Scale: 1/8"=1'-0"
Seal:	Drawn: YM
	Job #: 27164
	Dwg #: A-102



7 ROOF PLAN
1/4"=1'-0"

8 BULKHEAD ROOF PLAN
1/4"=1'-0"

Revision No.	Date	Remarks

- LEGEND**
- EXISTING NEIGHBOR WALL
 - BEARING CMU WALL
 - 2HR FIRE-RATED PARTITION WALL
 - 2HR FIRE-RATED WET WALL
 - WET WALL
 - CONCRETE WALL
 - INTERCOM PANEL

APPLICATION # 310041816
 WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES ARCHITECTS
 110 York Street, Brooklyn, NY 11201
 Phone (718) 222-0322 Fax (718) 222-4486

Project:
**PROPOSED PROJECT AT:
 67 BRIGHTON 1ST LANE
 BROOKLYN, NY**

Title:
ROOF & BULKHEAD PLANS

Checked: RMS	Date: 09/10/07
Signature:	Scale: 1/8"=1'-0"
Seal:	Drawn: YM
	Job #: 27164
	Dwg #: A-104

Revision No.	Date	Remarks

LEGEND

APPLICATION # 310041816
 WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

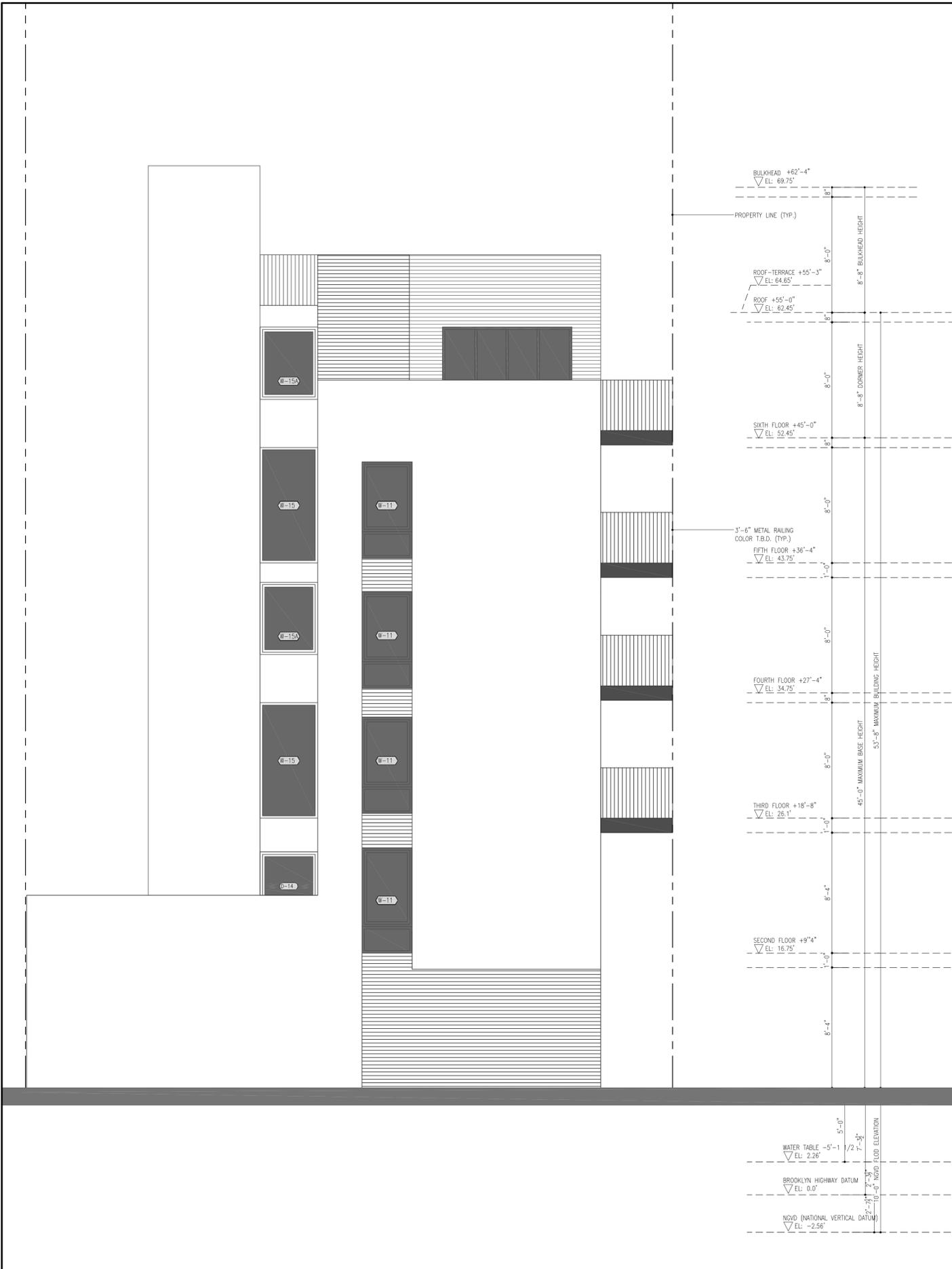
SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES ARCHITECTS
 110 York Street, Brooklyn, NY 11201
 Phone (718) 222-0322 Fax (718) 222-4486

Project:
**PROPOSED PROJECT AT:
 67 BRIGHTON 1ST LANE
 BROOKLYN, NY**

Title:
SOUTH & WEST ELEVATIONS

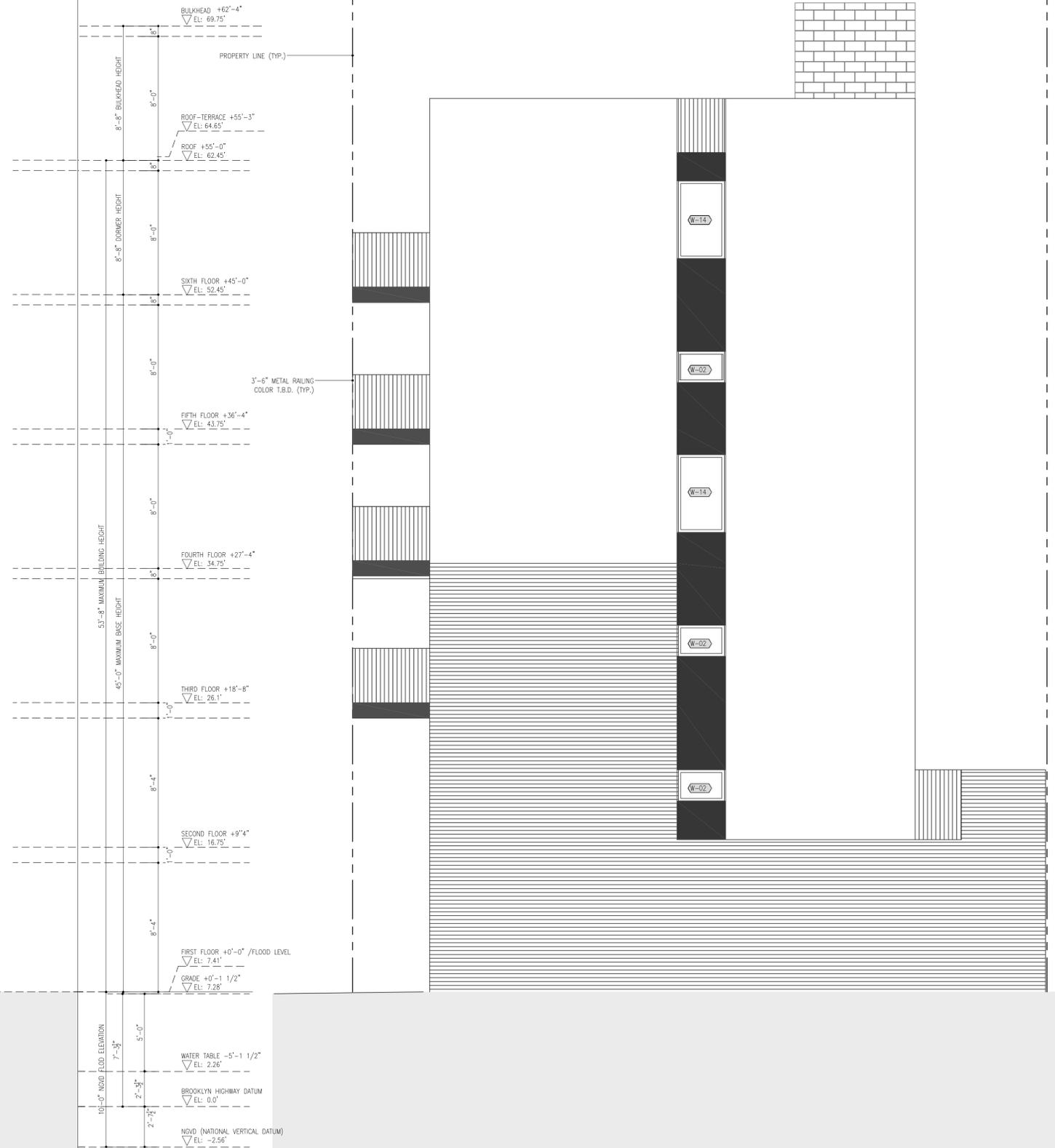
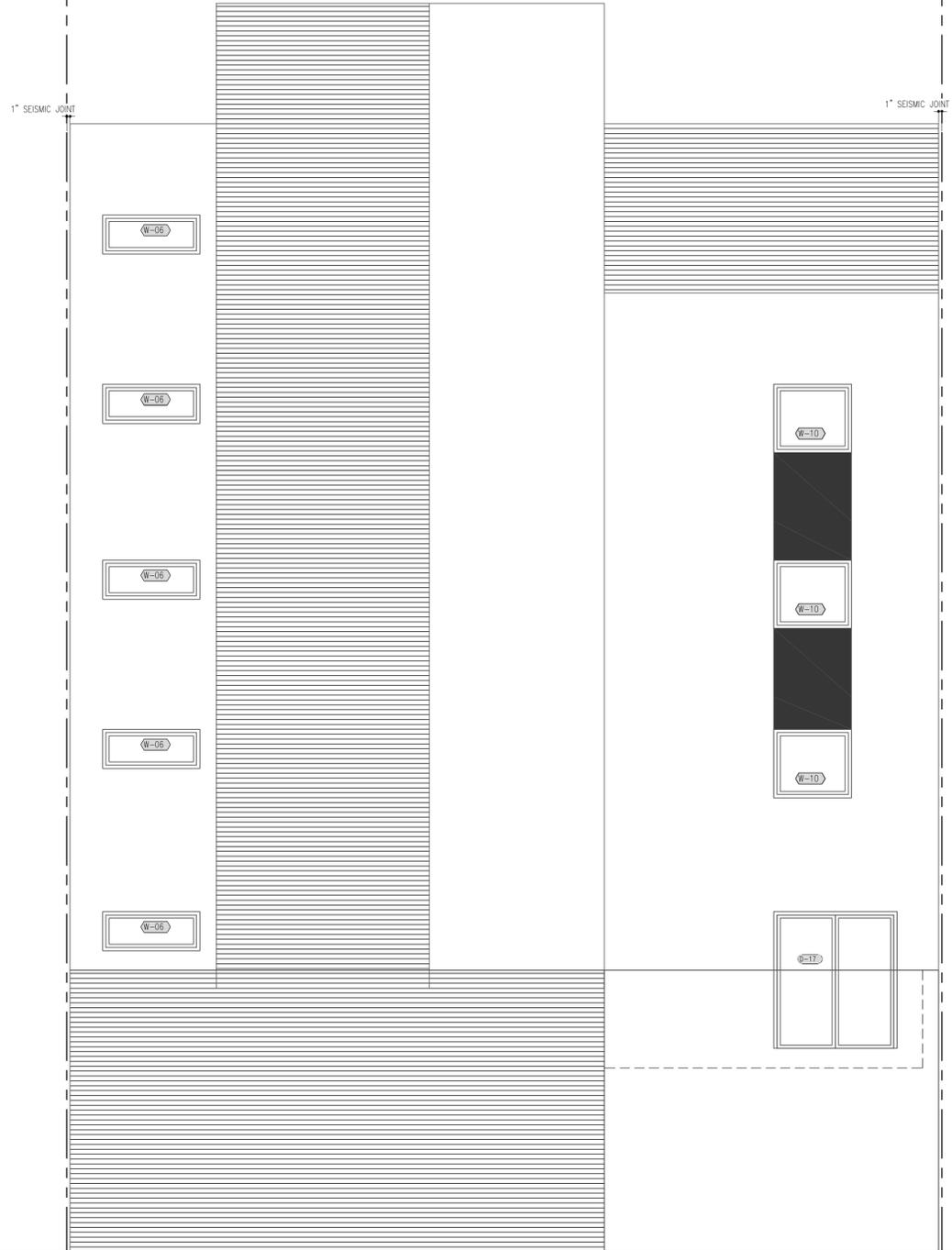
Checked: RMS	Date: 09/10/07
Signature:	Scale: 1/8" = 1'-0"
Seal:	Drawn: YM
	Job # 27164
	Dwg # A-200



1 WEST (SIDE) ELEVATION
 1/4" = 1'-0"



2 SOUTH (FRONT) ELEVATION
 1/4" = 1'-0"



1 NORTH (REAR) ELEVATION
1/4"=1'-0"

2 EAST (SIDE) ELEVATION
1/4"=1'-0"

Revision No.	Date	Remarks

LEGEND

APPLICATION # 310041816
 WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

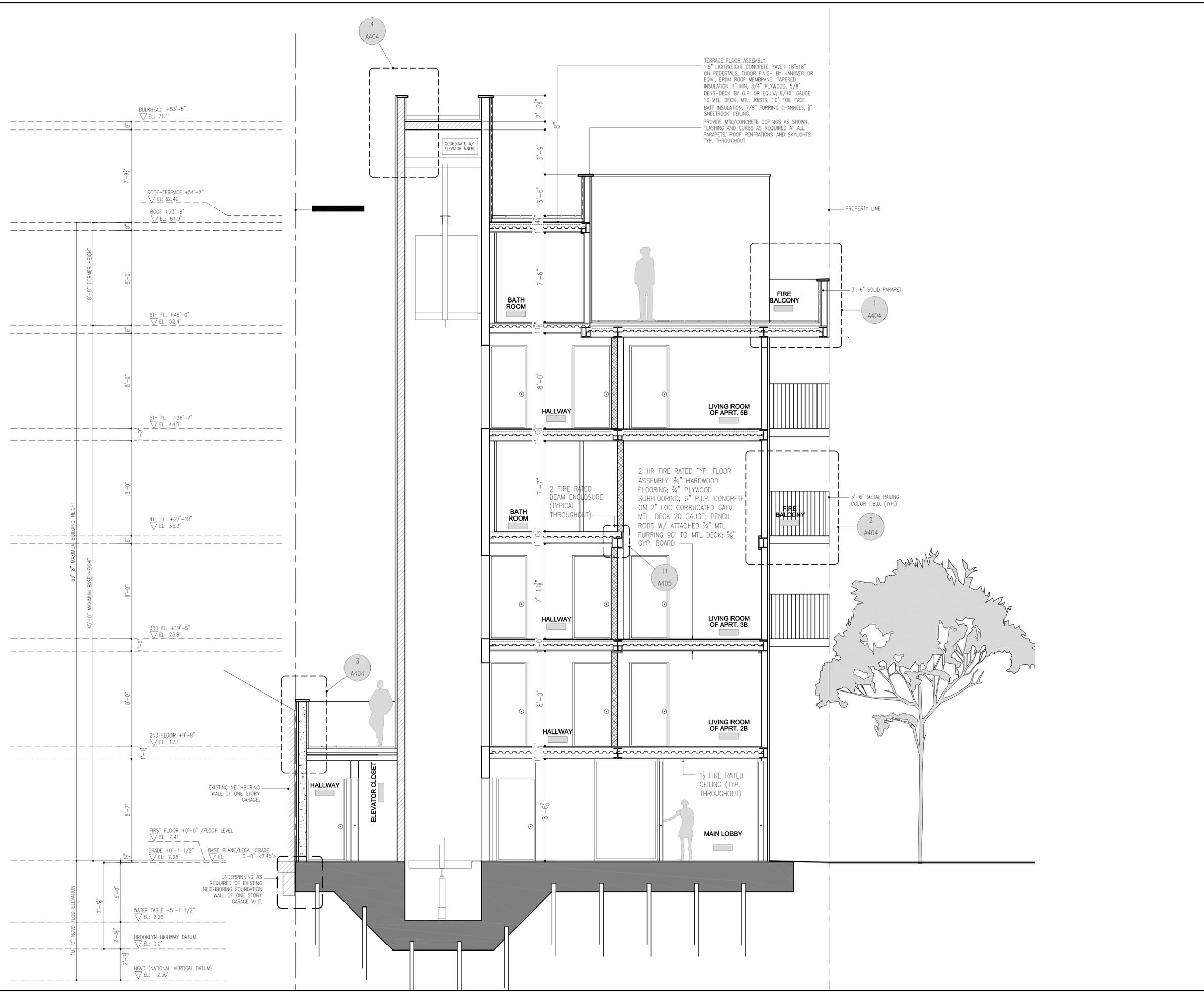
SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES ARCHITECTS
 110 York Street, Brooklyn, NY 11201
 Phone (718) 222-0322 Fax (718) 222-4486

Project:
**PROPOSED PROJECT AT:
 67 BRIGHTON 1ST LANE
 BROOKLYN, NY**

Title:
NORTH & EAST ELEVATIONS

Checked: RMS	Date: 09/10/07
Signature:	Scale: 1/8"=1'-0"
Seal:	Drawn: YM
	Job # 27164
	Dwg # A-201



Revision No.	Date	Remarks

LEGEND

APPLICATION # 310041816
 WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY:
PL, MH, BL, SP, SP, FA

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

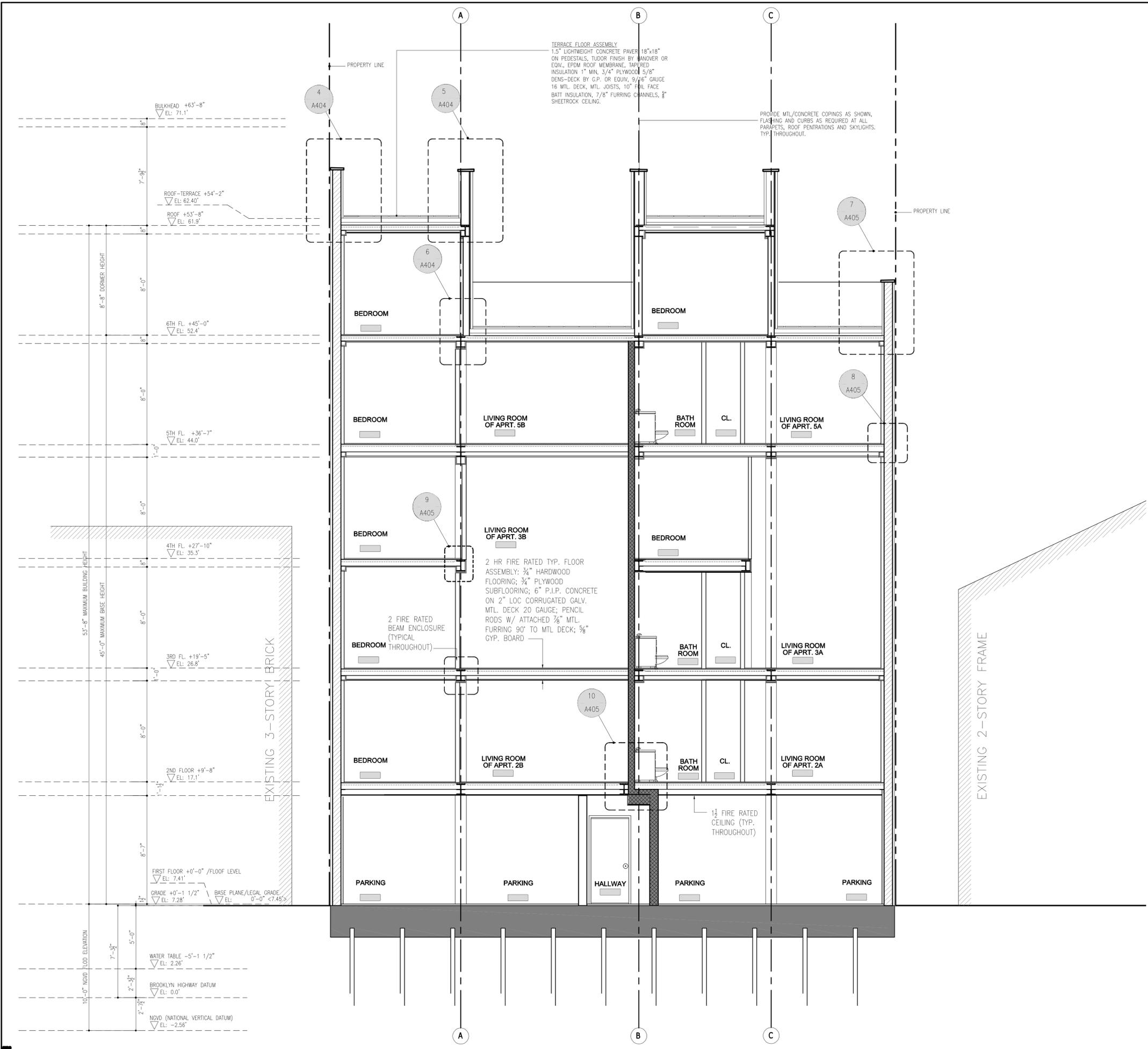
SPRINKLERS ARE THROUGHOUT BUILDING

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 110 York Street, Brooklyn, NY 11201
 Phone (718) 222-0322 Fax (718) 222-4486

Project:
**PROPOSED PROJECT AT:
 67 BRIGHTON 1ST LANE
 BROOKLYN, NY**

Title:
SECTION A

Checked: **RMS** Date: **09/10/07**
 Signature: _____ Scale: **1/8" = 1'-0"**
 Designer: **YM**
 Job #: **27164**
 Drawn by: _____
 Date: _____
 Title: **A-300**



Revision No.	Date	Remarks

LEGEND

APPLICATION # 310041816
 WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

SPRINKLERS ARE THROUGHOUT BUILDING

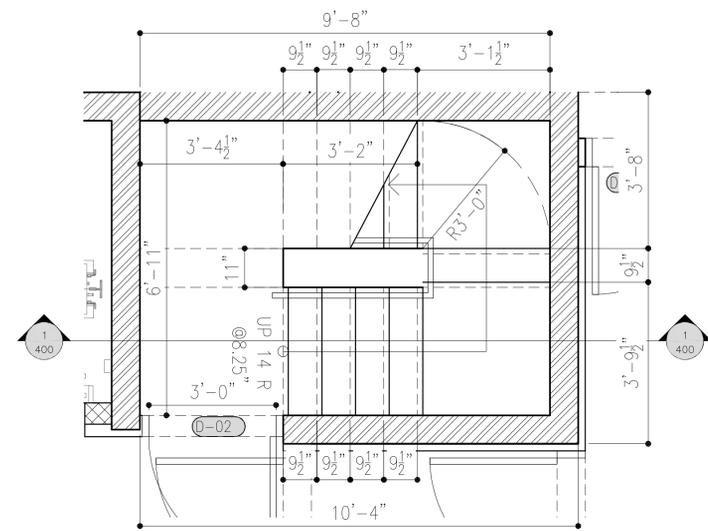
SCARANO & ASSOCIATES ARCHITECTS
 110 York Street, Brooklyn, NY 11201
 Phone (718) 222-0322 Fax (718) 222-4486

Project:
**PROPOSED PROJECT AT:
 67 BRIGHTON 1ST LANE
 BROOKLYN, NY**

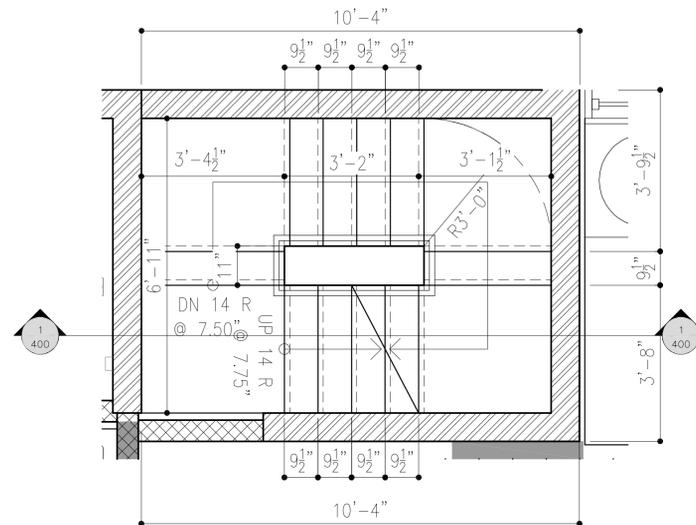
Title:
SECTION B

Checked: **RMS** Date: **09/10/07**
 Signature: _____ Scale: **1/8" = 1'-0"**
 Drawn: **YM**
 Job #: **27164**
 Day #: _____

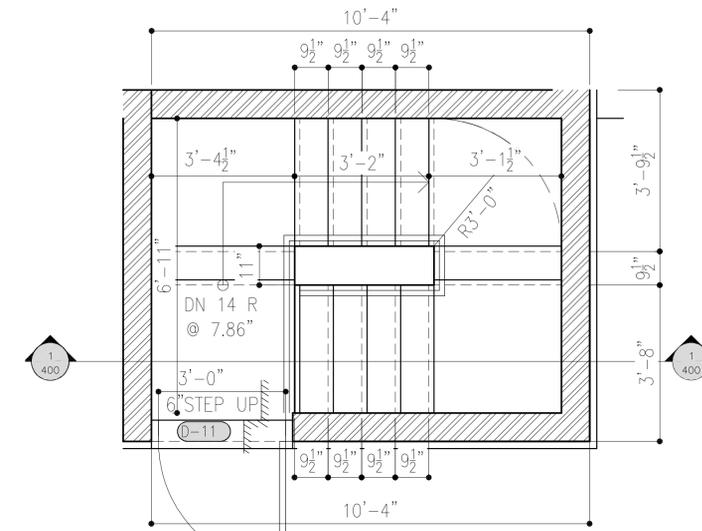
A-301



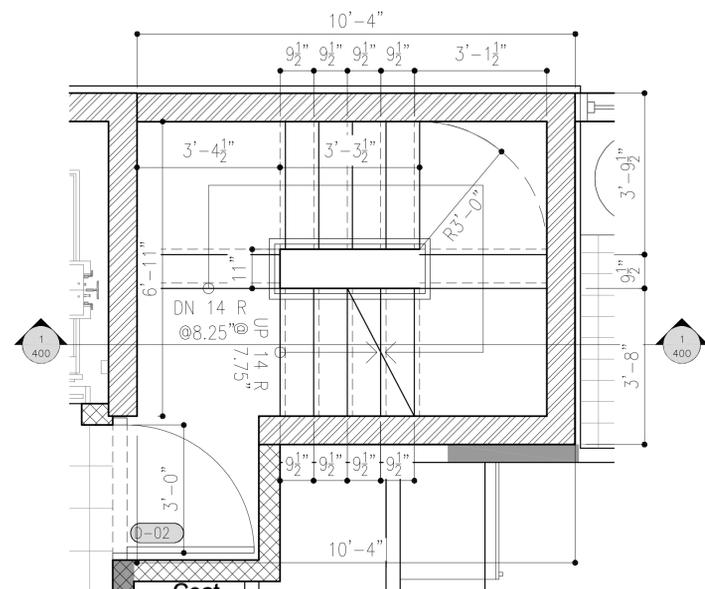
1 STAIR TYPE 1 PLAN AT FIRST FLOOR



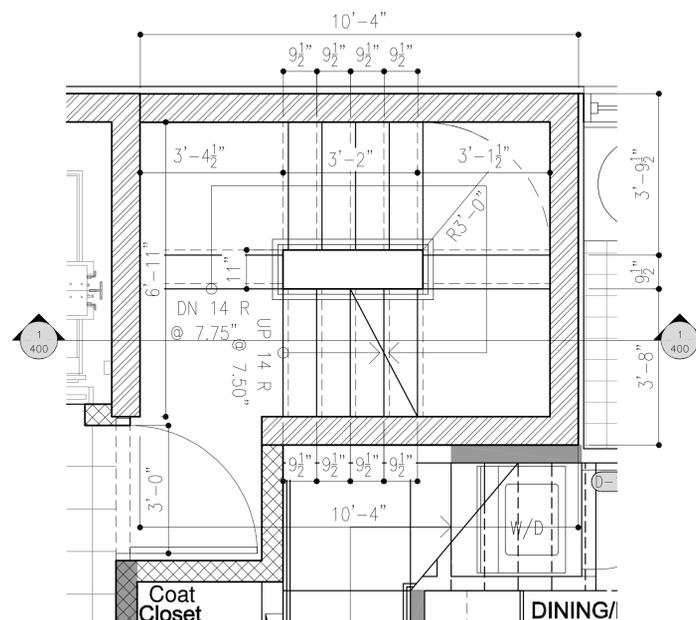
4 STAIR TYPE 1 PLAN AT FOURTH FLOOR



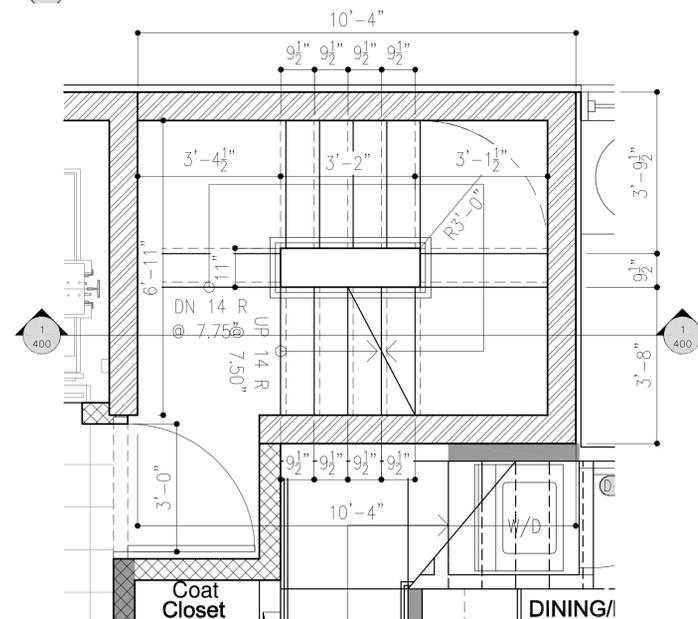
7 STAIR TYPE 1 PLAN AT ROOF FLOOR TERRACE



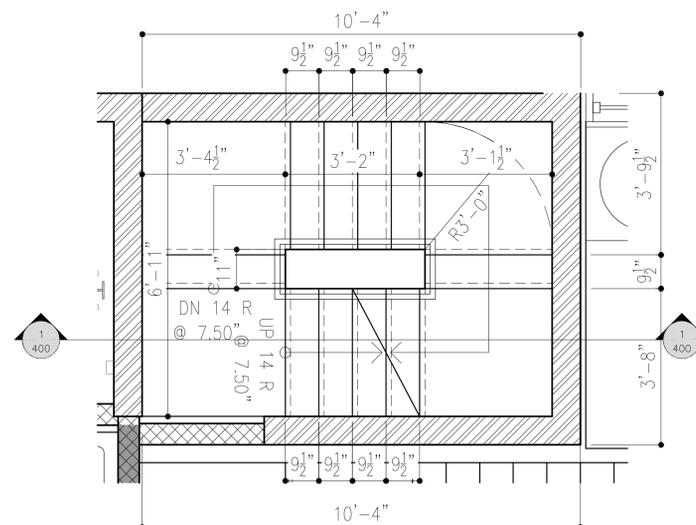
2 STAIR TYPE 1 PLAN AT SECOND FLOOR



5 STAIR TYPE 1 PLAN AT FIFTH FLOOR



3 STAIR TYPE 1 PLAN AT THIRD FLOOR



6 STAIR TYPE 1 PLAN AT SIXTH FLOOR

NOTES:

(NEW YORK BUILDING CODES; Title 27/SUBCHAPTER 6; PAGE 175)

-Stairs shall have walls, grilles, or guards at the sides and shall have handrails on both sides, except that stairs less than forty-four inches wide may have a handrail on one side only. Handrails shall provide a finger clearance of one and one-half inches, and shall project not more than three and one half inches into the required stair width.

-The height of handrails above the nosing of treads shall be not more than thirty-four inches nor less than thirty inches.

Revision No.	Date	Remarks
1.		
2.		
3.		
4.		

LEGEND

APPLICATION # 310041816
 WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

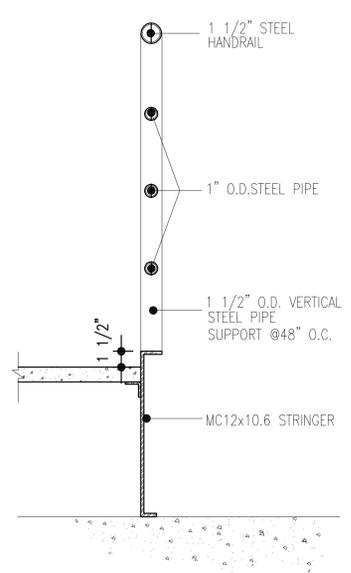
SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES ARCHITECTS
 110 York Street, Brooklyn, NY 11201
 Phone (718) 222-0322 Fax (718) 222-4496

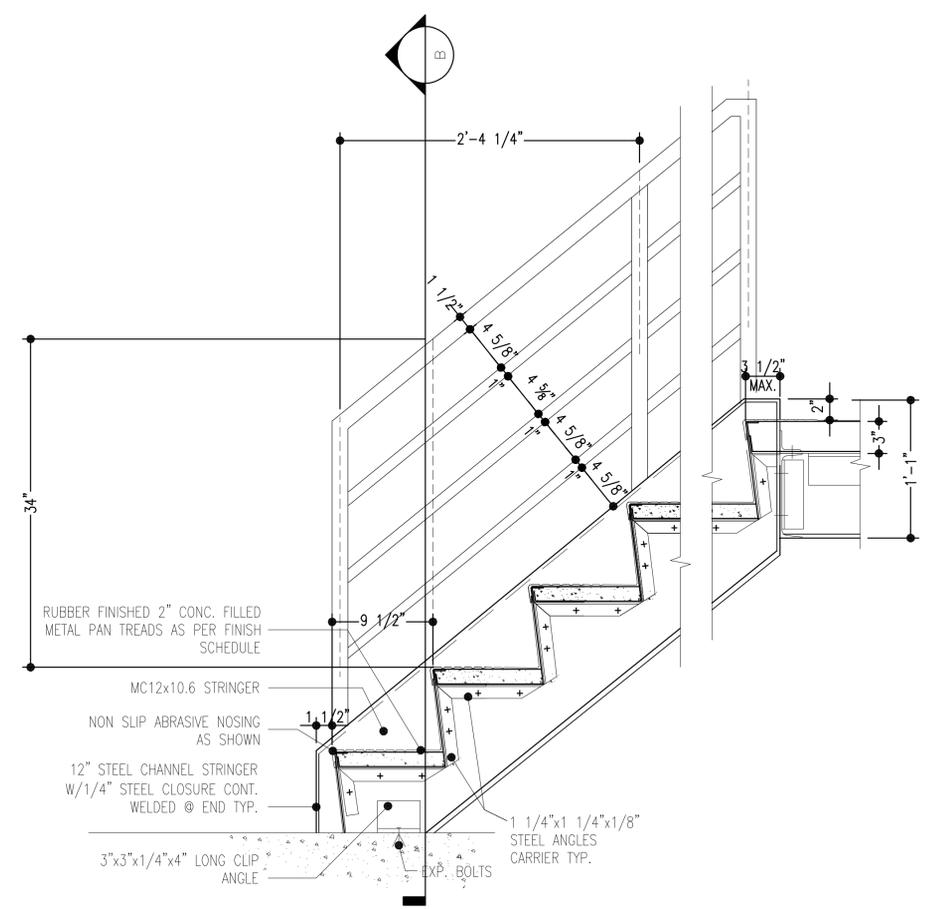
Project:
**PROPOSED PROJECT AT:
 67 BRIGHTON 1ST LANE
 BROOKLYN, NY**

Title:
STAIR PLAN

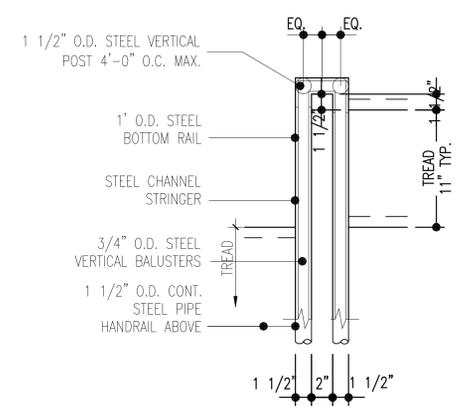
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Signature:	Scale: AS NOTED
Seal:	Drawn: ED.
	Job # 27164
	Draw # A 401



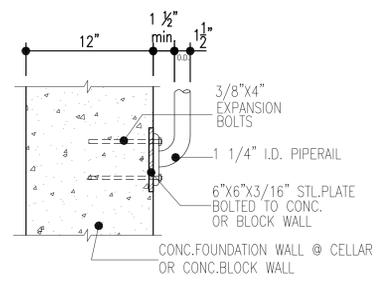
B SECTION B
SCALE : 1 1/2" = 1'-0"



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



2 HANDRAIL DETAIL
SCALE : 1 1/2" = 1'-0"



3 RAIL ATTACHMENT TO CONC. WALL
SCALE : 1 1/2" = 1'-0"

NOTES:

(NEW YORK BUILDING CODES; Title 27/SUBCHAPTER 6; PAGE 175)

-Stairs shall have walls, grilles, or guards at the sides and shall have handrails on both sides, except that stairs less than forty-four inches wide may have a handrail on one side only. Handrails shall provide a finger clearance of one and one-half inches, and shall project not more than three and one half inches into the required stair width.

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Revision No.	Date	Remarks
1.		
2.		
3.		
4.		

LEGEND

APPLICATION # 310041816
WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY:
PL, MH, BL, SD, SP, FA

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES ARCHITECTS
110 York Street, Brooklyn, NY 11201
Phone (718) 222-0322 Fax (718) 222-4486

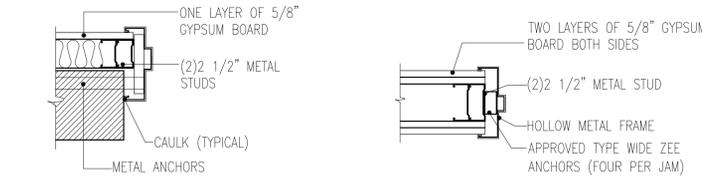
Project:
**PROPOSED PROJECT AT:
67 BRIGHTON 1ST LANE
BROOKLYN, NY**

Title:
STAIR DETAIL

Checked: RMS	Date: 09/10/07
Signature:	Scale: AS NOTED
Seal:	Drawn: ED.
	Job #: 27164
	Draw #: A 402

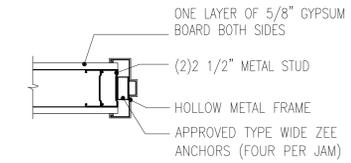
DOOR SCHEDULE

FLOOR	DOOR NO.	LOCATION	WIDTH	HT.	THICK	MAT.	TYPE	JAMB	SADDLE	FPSC	HDWR	REMARKS	
TYPICAL	1	APARTMENT ENTRANCE	3'-0"	7'-0"	1 3/4"	H.M.	1	2	S4	1 1/2 HR.		FRSC	
	2	STAIR	3'-0"	7'-0"	1 3/4"	H.M.	2	2	S3	1 1/2 HR.		FRSC	
	3	BEDROOM	2'-10"	6'-8"	1 3/8"	W.D.	3	3	-	-			
	3a	BEDROOM NON-ADA	2'-4"	6'-8"	1 3/8"	W.D.	3	3	-	-			
	4	BATHROOM	2'-10"	6'-8"	1 3/8"	W.D.	3	3	S5	-		*1" UNDER CUT	
	4a	BATHROOM NON-ADA	2'-4"	6'-8"	1 3/8"	W.D.	3	3	S5	-		*1" UNDER CUT	
	5	CLOSETS	*	6'-8"	1 3/8"	W.D.	3	6	3	-			*WIDTH VARIES SEE FLOOR PLAN
	6	MECHANICAL ROOM	2'-10"	6'-8"	1 3/4"	H.M.	5	7	2	S5	1 1/2 HR.		*WIDTH VARIES SEE FLOOR PLAN
	7	ELEVATOR CLOSET	(2) 3'-0"	6'-8"	1 3/4"	H.M.	5	7	2	S5	1 1/2 HR.		FRSC
	8	EXTERIOR DOOR	3'-0"	7'-0"	1 3/4"	H.M.	2	1	S1	1 1/2 HR.			FIRST FLOOR
	9	MAIN ENTRANCE	3'-6"	8'-4"	1 3/4"	ALUM.	5	1	S1	-			FRONT
	10	VESTIBULE	3'-4"	8'-4"	1 3/4"	ALUM.	5	2	-	-			FIRST FLOOR/GLASS
	11	STAIR BULKHEAD	3'-0"	7'-0"	1 3/4"	H.M.	2	1	S2	1 1/2 HR.			ROOF / FRSC
	12	ELEV. MACH.	(2) 3'-0"	7'-0"	1 3/4"	H.M.	5	1	S2	1 1/2 HR.			FIRST FLOOR / FRSC
	13	BOILER ROOM	3'-0"	7'-0"	1 3/4"	H.M.	5	1	S2	-			FIRST FLOOR
	14	ELEV. LOBBY	3'-6"	7'-0"	1 3/4"	H.M.	5	1	S2	1 1/2 HR.			2ND FLOOR ROOF TERRACE / FRSC
15	WASHER & DRYER CLOSET	2'-6"	*	1 3/8"	W.D.	3	3	S5	-			*HEIGHT VARIES SEE FLOOR PLAN	
16	EXTERIOR FIRE DOOR @ FIRE BALCONIES	2'-8"	7'-0"	1 3/8"	ALUM.	2	1	S1	-			FIRE BALCONY DOOR NOTES: (NYCBC 27-309.4a) DOORS HAVING GLASS PANELS WITHOUT MOUNTING, SCREWS, OR OTHER OBSTRUCTIONS TO HINDER ENTRY BY BREAKING THE GLASS PANELS THE DOORS SHALL BE LOCKABLE ONLY FROM THE INSIDE BY DEVICES THAT CAN BE EASILY RELEASED FROM THE OUTSIDE AFTER BREAKING THE GLASS. A COMBINATION LOCK OR LOCK REQUIRED TO BE OPENED BY A KEY OR REMOVABLE DEVICE OR TOOL SHALL NOT BE USED.	

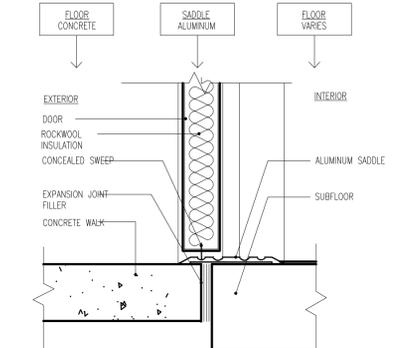


J1 H.M. EXT. DOOR FRAME DETAIL
1"=1'-0"

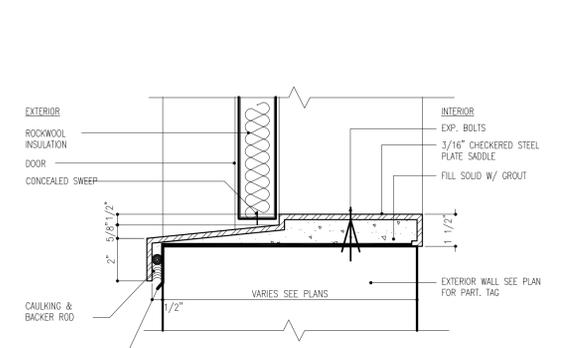
J2 H.M. DOOR FRAME DETAIL
1"=1'-0"



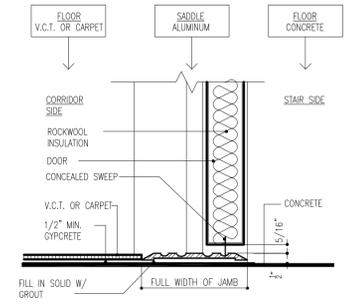
J3 H.M. DOOR FRAME DETAIL
1"=1'-0"



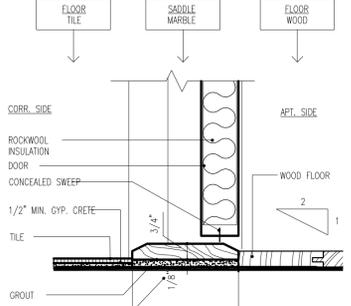
S1 ALUMINUM SADDLE
3'=1'-0" (DOOR @ GRADE)



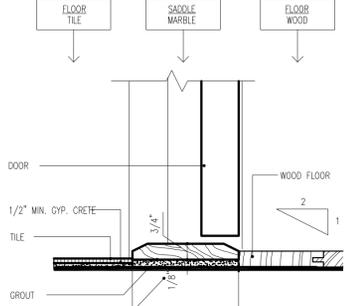
S2 ALUMINUM SADDLE
3'=1'-0" (BULKHEAD DOORS)



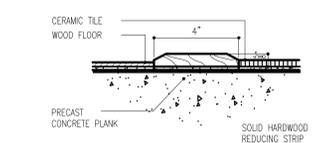
S3 ALUMINUM SADDLE
3'=1'-0" (STAIR/CORRIDOR)



S4 MARBLE SADDLE
3'=1'-0" (APT. ENTRANCE)

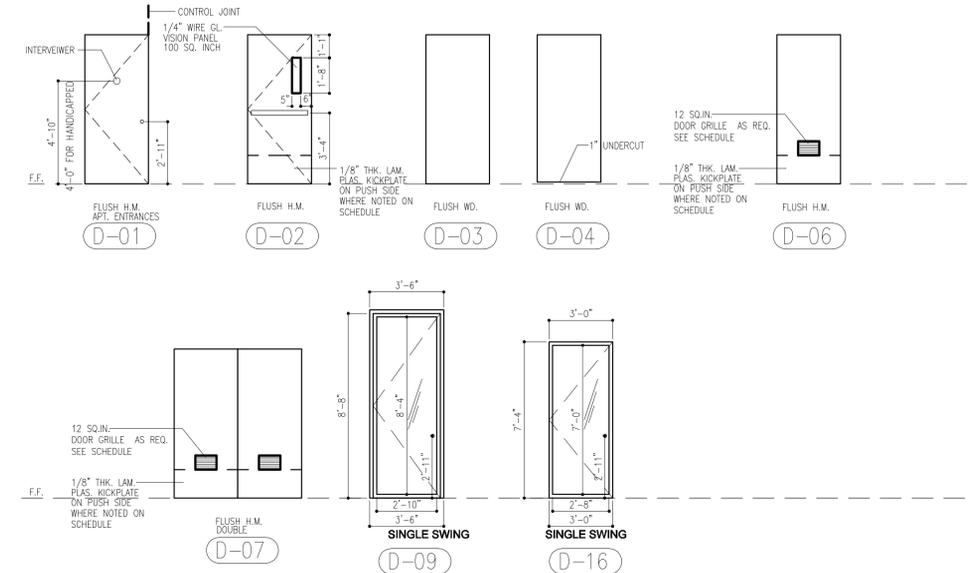


S4 MARBLE SADDLE
3'=1'-0" (APT. ENTRANCE)



S SADDLE TYPES @ KITCHEN
3'=1'-0"

DOOR TYPE



MEA # 240-00-M

LIGHT: 24.0 SQ.FT.
MAIN ENTRANCE DOOR AREA OF GLAZING:
2'-10"X8'-4"= 24.0 SF

LIGHT: 18.70 SQ.FT.
FIRE BALCONY DOOR AREA OF GLAZING:
2'-8"X7'-0"= 18.70 SF

DOOR NOTES:
1. CONTRACTOR TO VERIFY ALL DOOR DIMENSIONS ROUGH & MASONRY OPENING SIZES, AND QUANTITIES AS WELL AS ALL FINISHED PARTITION THICKNESS FOR FRAME WIDTH SIZING PRIOR TO FABRICATION.
2. ALL EXTERIOR DOORS TO HAVE WEATHER-STRIPPING AT JAMB, HEAD AND SILL.
3. PROVIDE ALLOWANCE FOR BUILDER'S HARDWARE.

NOTE: THERE WILL BE A 4" CONCRETE CURB AT ALL BALCONIES WITH SLIDING DOORS.

4.13.9 DOOR HARDWARE: HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS 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. THEY SHALL BE MOUNTED WITHIN REACH RANGES SPECIFIED IN 4.2(ANSI A117.1). LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS.

4.13.10 DOOR CLOSETS: IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO AN OPEN POSITION OF APPROXIMATELY 12 DEGREES.

4.13.11 DOOR-OPENING FORCE: THE MAXIMUM FORCE, EXPRESSED IN POUND-FORCE (lbf) AND NEWTONS (N), FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:
1. FIRE DOORS SHALL HAVE THE MIN. OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.
2. OTHER DOORS:
a. EXTERIOR HINGED DOORS: 8.5 lbf(37.8N)
b. INTERIOR HINGED DOORS: 5 lbf(22.2N)
c. SLIDING OR FOLDING DOORS: 5 lbf(22.2N)
THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.

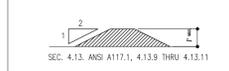
NOTES:

AS PER RS 4-6, SECTION 4.26.5, DOORS MAY SWING INTO THE BATHROOM OF AN ADAPTABLE DWELLING UNIT IF THE DOOR, DOOR BUCK AND ADJACENT SPACE IS DESIGNED AND CONSTRUCTED SO THAT REMOUNTING THE HINGES IS THE ONLY CHANGE REQUIRED TO SWING THE DOOR OUT AS SHOWN IN FIG. S3.

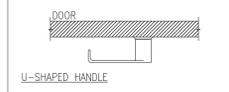
DOOR NOTES:

1. CONTRACTOR TO VERIFY ALL DOOR DIMENSIONS ROUGH & MASONRY OPENING SIZES, AND QUANTITIES AS WELL AS ALL FINISHED PARTITION THICKNESS FOR FRAME WIDTH SIZING PRIOR TO FABRICATION.
2. ALL EXTERIOR DOORS TO HAVE WEATHER-STRIPPING AT JAMB, HEAD AND SILL.
3. PROVIDE ALLOWANCE FOR BUILDER'S HARDWARE.

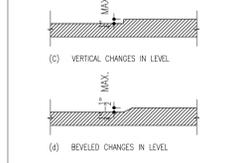
THRESHOLD SECTION



HANDICAP DOOR HARDWARE



ACCESSIBLE ROUTES AND GROUND AND FLOOR SURFACES



Revision No.	Date	Remarks

LEGEND

APPLICATION # 310041816
WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY: **PL, MH, BL, SD, SP, FA**

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

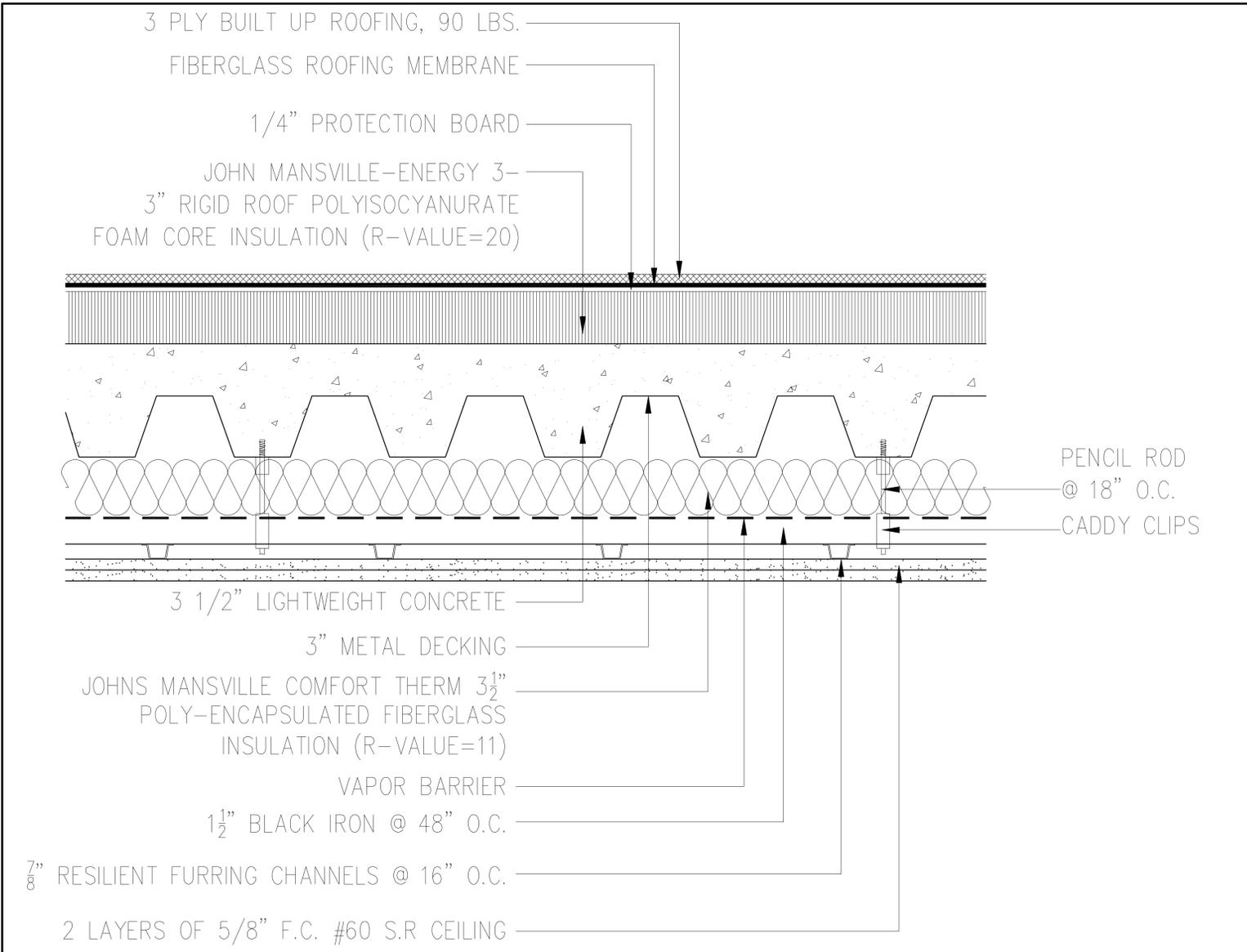
SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES ARCHITECTS
110 York Street, Brooklyn, NY 11201
Phone (718) 222-0322 Fax (718) 222-4496

Project:
PROPOSED PROJECT AT: 67 BRIGHTON 1ST LANE BROOKLYN, NY

Title:
DOOR SCHEDULE DOOR ELEVATIONS DOOR JAMB DETAILS DOOR SADDLE DETAILS

Checked: RMS	Date: 09/10/07
Signature: _____	Scale: _____
Seal: _____	Drawn: _____
	Job # 27164
	Dwg # A600

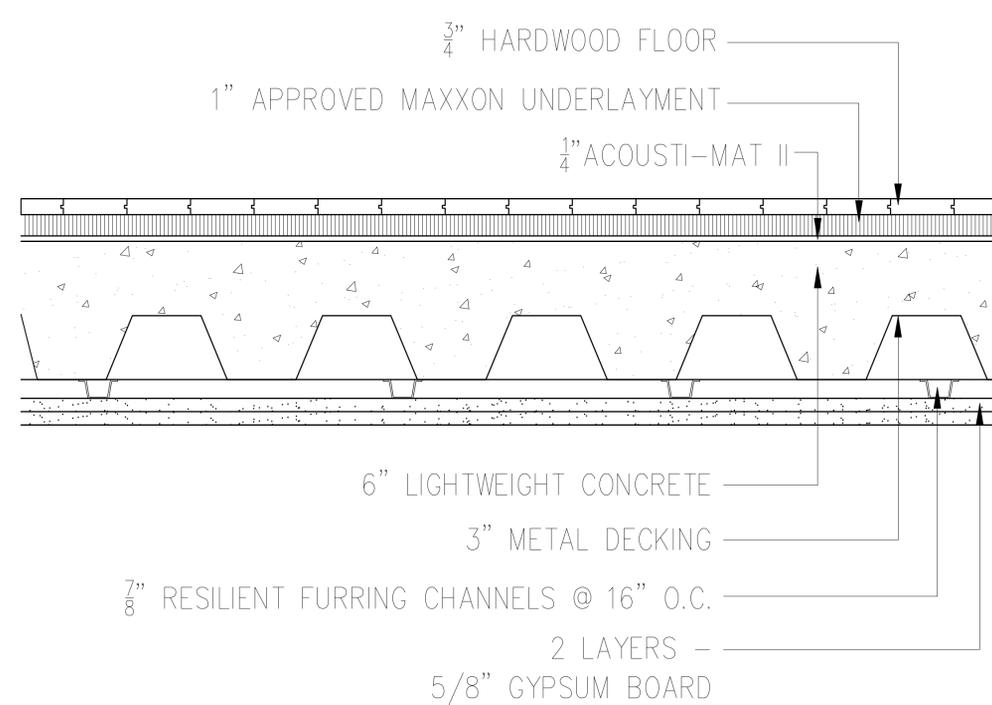


2 HR RATED CEILING CONSTRUCTION

NOISE CONTROL DETAIL

COMPLY WITH SECTION 27-769
(ITEM OF CONTROLLED INSPECTION)

UL FILE NO. D502
2 HR FIRE
50 TO 54 STC SOUND
IIC TEST: 60; IIF-97-049



Revision No.	Date	Remarks

LEGEND

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WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

SPRINKLERS ARE THROUGHOUT BUILDING

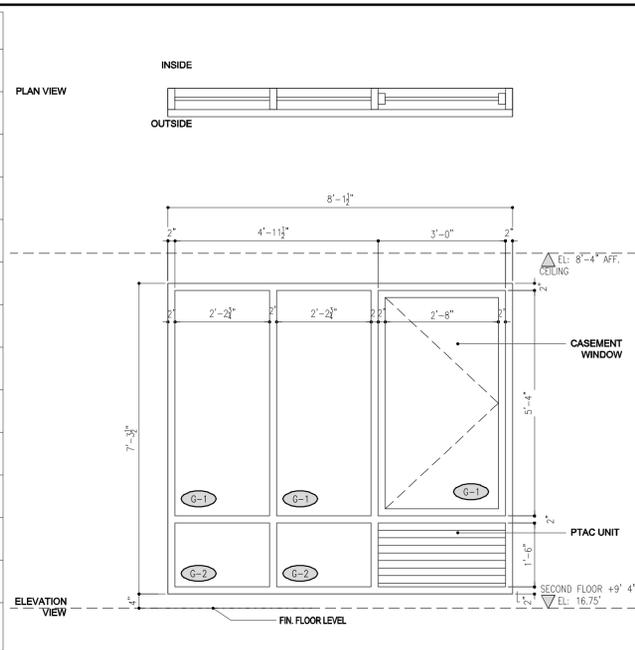
SCARANO & ASSOCIATES
ARCHITECTS
110 York Street, Brooklyn, NY 11201
Phone (718) 222-0322 Fax (718) 222-4486

Project:
PROPOSED PROJECT AT:
67 BRIGHTON 1ST LANE
BROOKLYN, NY

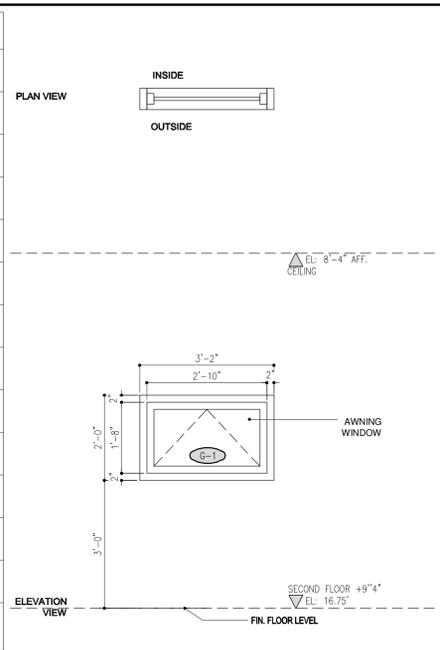
Title:
WALL AND FLOOR DETAILS

Checked: FRMS	Date: 09/10/07
Signature:	Scale: 3"=1'-0"
Seal:	Drawn:
	Job# 27164
	Draw # A602

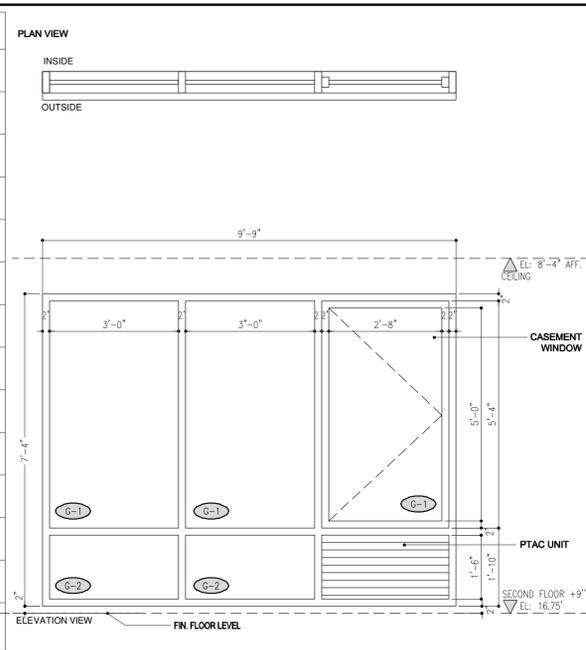
WINDOW NUMBER:	W-01
TYPE:	FIXED/CASEMENT WINDOW
LOCATION:	2ND FL.
HEIGHT:	7'-4"
WIDTH:	8'-1 1/2"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	51.99 SQ.FT.
GLASS AREA:	43.48 SQ.FT.
QUANTITY:	1
REMARKS:	



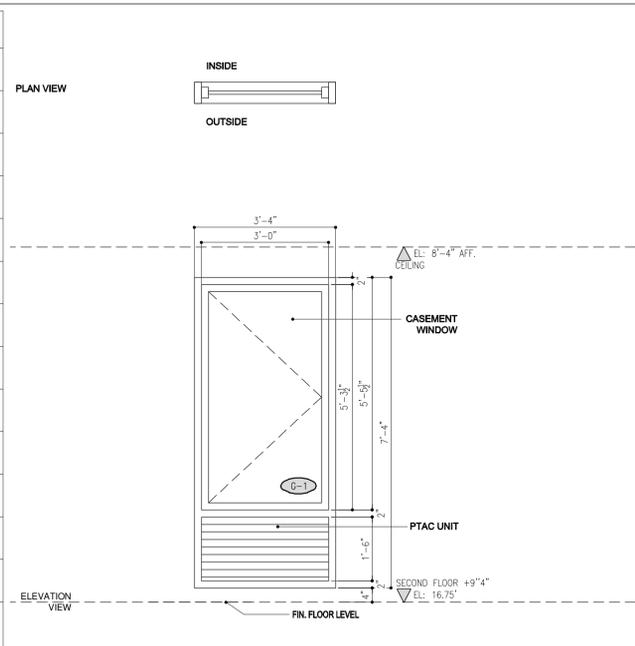
WINDOW NUMBER:	W-02
TYPE:	AWNING WINDOW (SWING OUT)
LOCATION:	2ND, 3RD, 5TH FLRS.
HEIGHT:	2'-0"
WIDTH:	3'-2"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	4.72 SQ.FT.
GLASS AREA:	3.33 SQ.FT.
QUANTITY:	6
REMARKS:	KITCHEN WINDOW



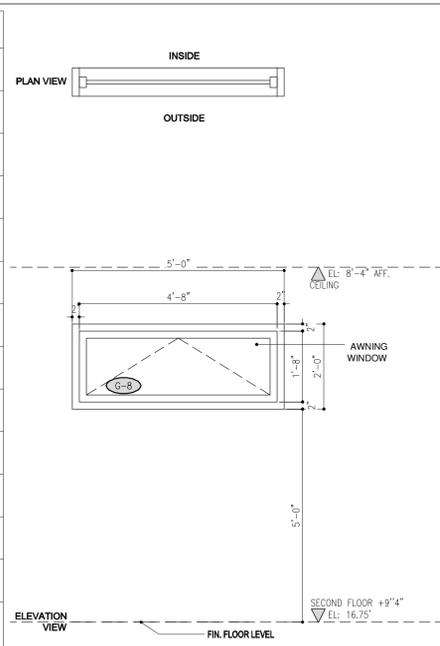
WINDOW NUMBER:	W-03
TYPE:	FIXED/CASEMENT WINDOW
LOCATION:	2ND FL.
HEIGHT:	7'-4"
WIDTH:	9'-9"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	63.87 SQ.FT.
GLASS AREA:	54.36 SQ.FT.
QUANTITY:	1
REMARKS:	



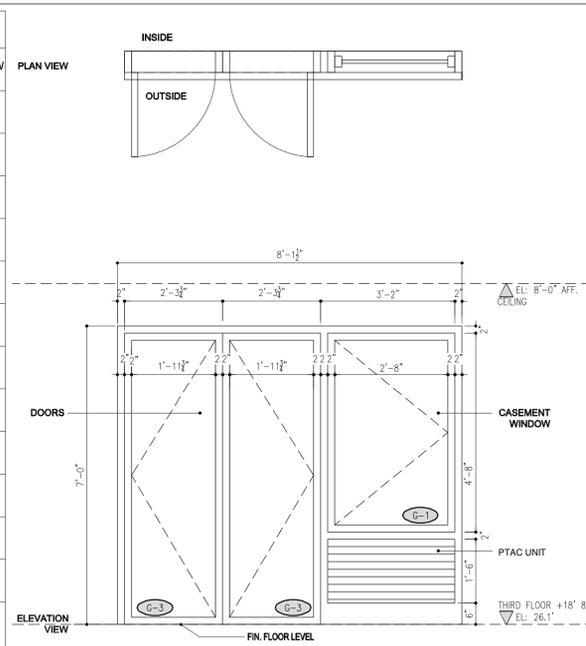
WINDOW NUMBER:	W-04
TYPE:	CASEMENT WINDOW
LOCATION:	2ND FL.
HEIGHT:	7'-4"
WIDTH:	3'-4"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	15.87 SQ.FT.
GLASS AREA:	13.22 SQ.FT.
QUANTITY:	1
REMARKS:	



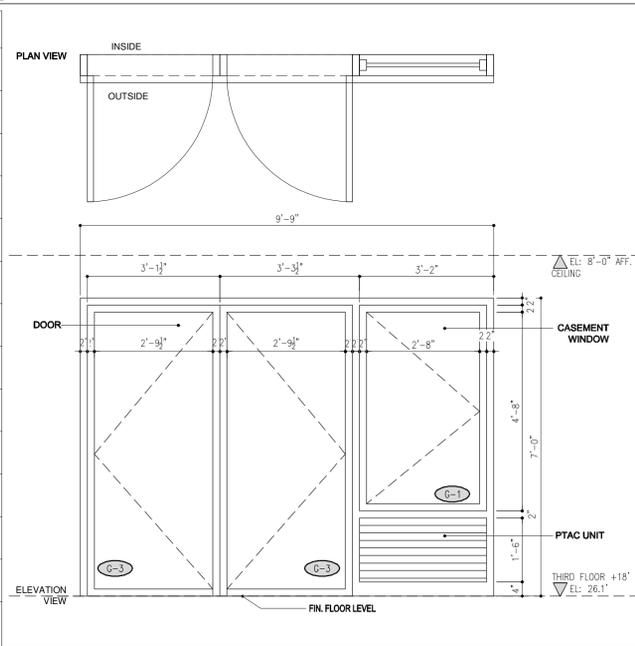
WINDOW NUMBER:	W-06
TYPE:	AWNING WINDOW
LOCATION:	2ND, 3RD, 4TH, 5TH & 6TH FLRS.
HEIGHT:	2'-0"
WIDTH:	5'-0"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	6.38 SQ.FT.
GLASS AREA:	4.66 SQ.FT.
QUANTITY:	6
REMARKS:	BATHROOM WINDOW



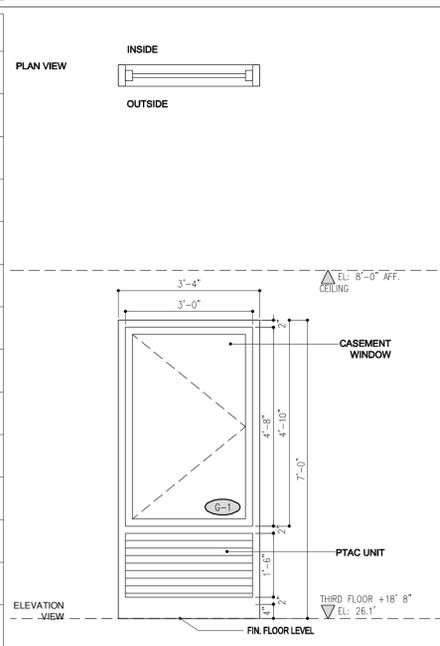
WINDOW NUMBER:	W-07
TYPE:	OUTSWING DOORS/CASEMENT WINDOW
LOCATION:	3RD & 5TH FLRS.
HEIGHT:	7'-0"
WIDTH:	8'-1 1/2"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	47.57 SQ.FT.
GLASS AREA:	39.08 SQ.FT.
QUANTITY:	2
REMARKS:	



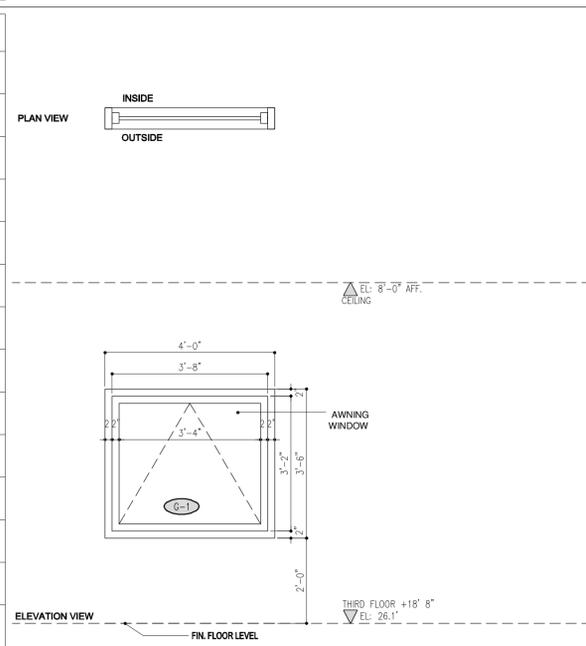
WINDOW NUMBER:	W-08
TYPE:	OUTSWING DOOR/CASEMENT WINDOW
LOCATION:	3RD & 5TH FLRS.
HEIGHT:	7'-0"
WIDTH:	9'-9"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	58.92 SQ.FT.
GLASS AREA:	51.09 SQ.FT.
QUANTITY:	2
REMARKS:	



WINDOW NUMBER:	W-09
TYPE:	CASEMENT WINDOW
LOCATION:	3RD, 4TH, 5TH, & 6TH FLRS.
HEIGHT:	6'-8"
WIDTH:	3'-4"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	14.00 SQ.FT.
GLASS AREA:	11.55 SQ.FT.
QUANTITY:	4
REMARKS:	



WINDOW NUMBER:	W-10
TYPE:	AWNING WINDOW (SWING OUT)
LOCATION:	3RD, 4TH & 5TH FLRS.
HEIGHT:	3'-6"
WIDTH:	4'-0"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	11.61 SQ.FT.
GLASS AREA:	9.44 SQ.FT.
QUANTITY:	3
REMARKS:	



Revision No.	Date	Remarks

LEGEND:

WINDOW NOTES:
1. ALL WINDOWS VIEWED FROM EXTERIOR. TYPICALLY SOUTH FACADE. SEE ELEVATIONS FOR LOCATIONS
2. ALL WINDOWS ARE FIXED EXCEPT UNDO, OR THUSLY:
SLIDER
OUTSWING CASEMENT/TERRACE DOOR
HINGE
SPANDREL
PTAC UNIT
GP= GLASS PANE
R= WINDOW SYSTEM REVERSED (FOR NORTH FACADE)
F= FIXED WINDOW
3. ALL ALUMINUM WINDOWS & WINDOW WALL FRAMING TO BE SPLIT FINISH - METAL COLOR B EXTERIOR, METAL COLOR E INTERIOR. SEE SPECIFICATION FOR DETAILS
4. WINDOWS BASED ON NOMINAL M.O.D. REFER TO PLANS AND DETAILS FOR SPECIFIC OPENING DIMENSION AND ANY JAMB/HEAD/SILL OVERLAPS.
5. MAX CASEMENT SIZE: 40" X 66"

GLASS NOTES & TYPES
ALL GLASS INSULATED, LOW-E UNDO REFER TO SPECIFICATION FOR ACRYL DETAILS
G-1 ANNEALED BOTH PANES
G-2 TEMPERED INTERIOR, ANNEALED EXTERIOR
G-3 TEMPERED CLEAR BOTH PANES
G-4 LAMINATED GLASS (CANOPY)
G-5 3/4" TEMPERED SINGLE PANE
G-6 TRANSPARENT/FROSTED 2ND SURFACE TEMPERED BOTH PANES
SH SHADOW BOX, PAINTED GMB INTERIOR

APPLICATION # 310041816
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WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

SPRINKLERS ARE THROUGHOUT BUILDING

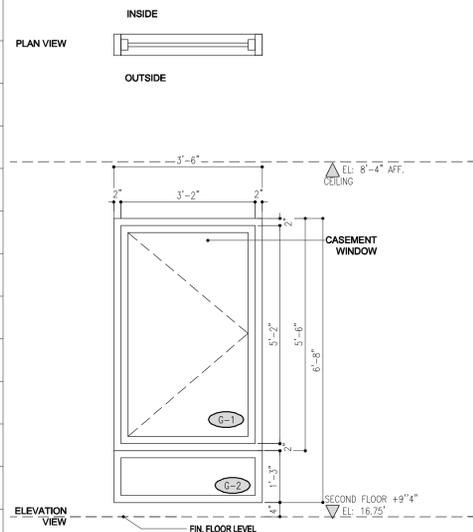
SCARANO & ASSOCIATES ARCHITECTS
110 York Street, Brooklyn, NY 11201
Phone (718) 222-0322 Fax (718) 222-4486

Project:
**PROPOSED PROJECT AT:
67 BRIGHTON 1ST LANE
BROOKLYN, NY**

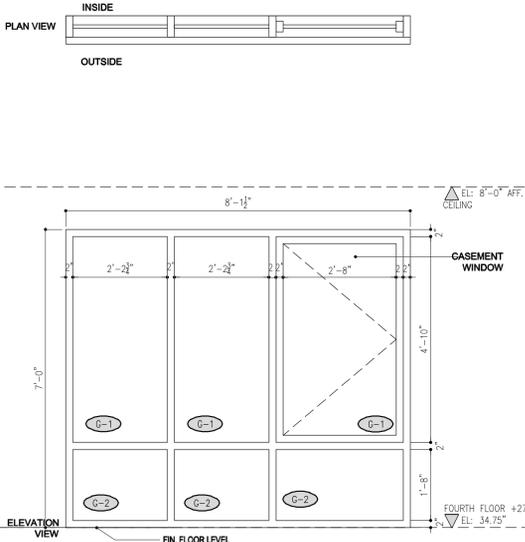
Title:
WINDOW/DOOR SCHEDULE

Checked: RMS	Date: 09/10/07
Signature:	Scale:
Seal:	Drawn:
	Job # 27164
	Dwg # A603

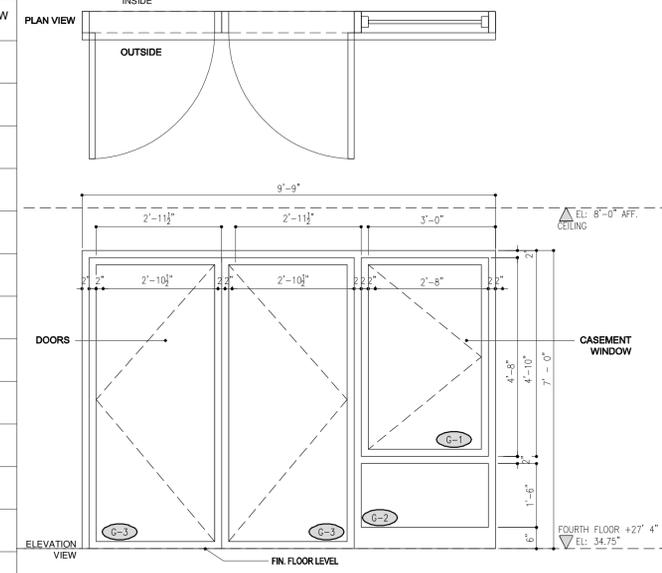
WINDOW NUMBER:	W-11
TYPE:	FIXED WINDOW
LOCATION:	2ND, 3RD, 4TH, 5TH FLRS.
HEIGHT:	7'-4"
WIDTH:	3'-6"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	22.62 SQ.FT.
GLASS AREA:	18.31 SQ.FT.
QUANTITY:	4
REMARKS:	



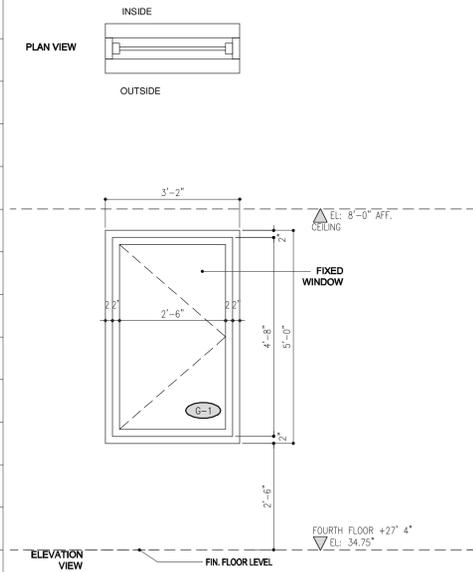
WINDOW NUMBER:	W-12
TYPE:	FIXED/CASEMENT WINDOW
LOCATION:	4TH FL.
HEIGHT:	7'-0"
WIDTH:	8'-1 1/2"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	55.42 SQ.FT.
GLASS AREA:	45.96 SQ.FT.
QUANTITY:	1
REMARKS:	



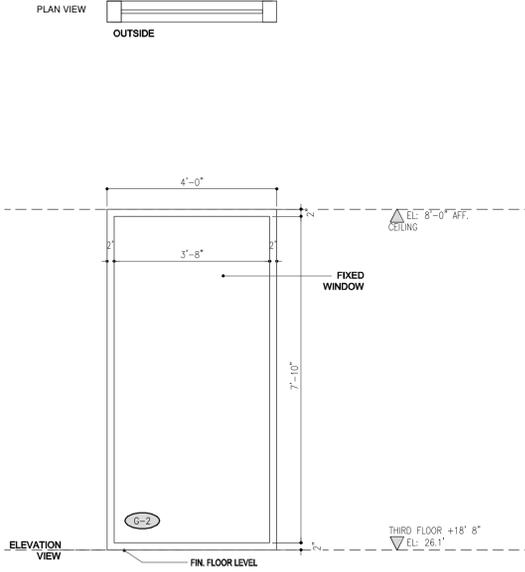
WINDOW NUMBER:	W-13
TYPE:	OUTSWING DOOR/CASEMENT WINDOW
LOCATION:	4TH FL.
HEIGHT:	7'-0"
WIDTH:	9'-9"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	58.92 SQ.FT.
GLASS AREA:	54.39 SQ.FT.
QUANTITY:	1
REMARKS:	



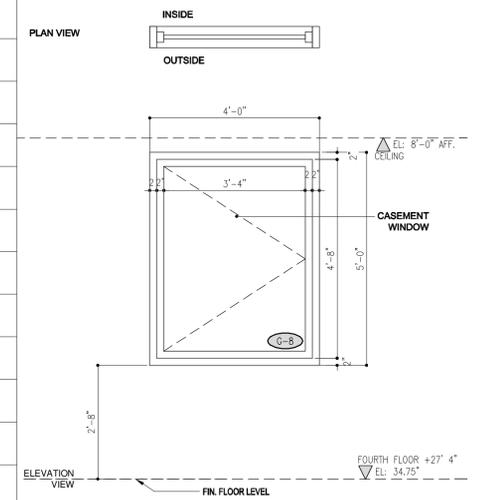
WINDOW NUMBER:	W-14
TYPE:	FIXED/CASEMENT WINDOW
LOCATION:	4TH & 6TH FLRS.
HEIGHT:	5'-0"
WIDTH:	3'-2"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	15.83 SQ.FT.
GLASS AREA:	13.22 SQ.FT.
QUANTITY:	2
REMARKS:	



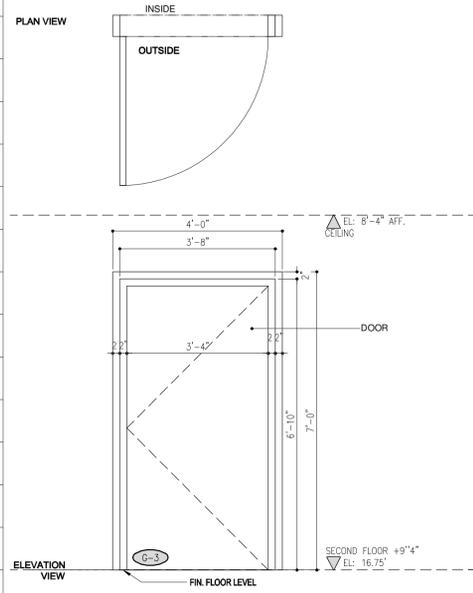
WINDOW NUMBER:	W-15
TYPE:	FIXED WINDOW AT PUBLIC HALLWAY
LOCATION:	3RD & 5TH FLRS.
HEIGHT:	8'-0"
WIDTH:	4'-0"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	28.11 SQ.FT.
GLASS AREA:	24.44 SQ.FT.
QUANTITY:	2
REMARKS:	



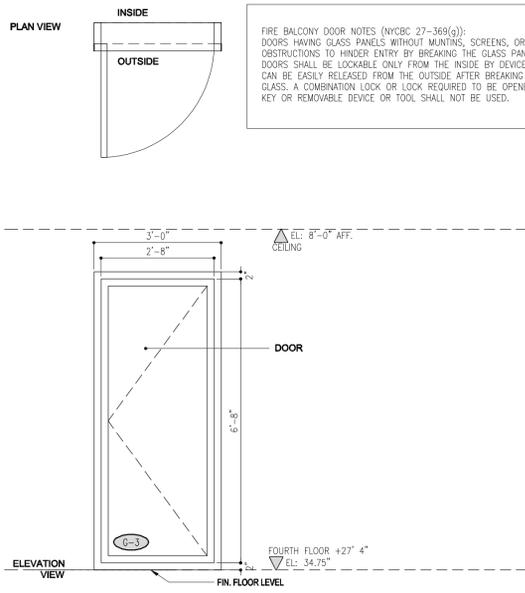
WINDOW NUMBER:	W-15A
TYPE:	CASEMENT WINDOW
LOCATION:	4TH & 6TH FLRS.
HEIGHT:	5'-0"
WIDTH:	4'-0"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	17.11 SQ.FT.
GLASS AREA:	14.44 SQ.FT.
QUANTITY:	2
REMARKS:	BATHROOM WINDOW



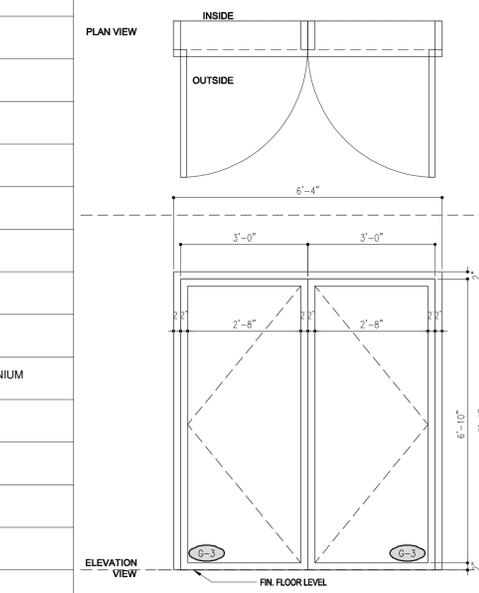
WINDOW NUMBER:	D-14
TYPE:	OUTSWING DOOR
LOCATION:	2ND FLR.
HEIGHT:	7'-0"
WIDTH:	4'-0"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	25.05 SQ.FT.
GLASS AREA:	22.22 SQ.FT.
QUANTITY:	1
REMARKS:	



WINDOW NUMBER:	D-16
TYPE:	OUTSWING DOOR
LOCATION:	4TH & 6TH FLRS.
HEIGHT:	7'-2"
WIDTH:	3'-4"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	21.00 SQ.FT.
GLASS AREA:	17.77 SQ.FT.
QUANTITY:	3
REMARKS:	



WINDOW NUMBER:	D-17
TYPE:	OUTSWING DOOR
LOCATION:	2ND FLR.
HEIGHT:	7'-0"
WIDTH:	6'-4"
THICKNESS:	4"
FIRE RATING:	
MODEL:	
FRAME:	ALUMINUM
FINISH:	BRONZE ANODIZED ALUMINIUM
SILL HEIGHT:	
OPERABLE GLASS AREA:	41.00 SQ.FT.
GLASS AREA:	34.66 SQ.FT.
QUANTITY:	1
REMARKS:	



Revision No.	Date	Remarks

- LEGEND:**
- WINDOW NOTES:
- ALL WINDOWS VIEWED FROM EXTERIOR, TYPICALLY SOUTH FACADE. SEE ELEVATIONS FOR LOCATIONS
 - ALL WINDOWS ARE FIXED EXCEPT UNDO, OR THUSLY: SLIDER
 - ALL ALUMINUM WINDOWS & WINDOW WALL FRAMING TO BE SPLIT FINISH - METAL COLOR B EXTERIOR, METAL COLOR E INTERIOR. SEE SPECIFICATION FOR DETAILS
 - WINDOWS BASED ON NOMINAL M.O. REFER TO PLANS AND DETAILS FOR SPECIFIC OPENING DIMENSION AND ANY JAMB/HEAD/SILL OVERLAPS.
 - MAX CASEMENT SIZE: 40" X 66"
- GLASS NOTES & TYPES
- ALL GLASS INSULATED, LOW-E UNDO REFER TO SPECIFICATIONS FOR ADDL DETAILS
- G-1 ANNEALED BOTH PANES
 - G-2 TEMPERED INTERIOR, ANNEALED EXTERIOR
 - G-3 TEMPERED CLEAR BOTH PANES
 - G-4
 - G-5 LAMINATED GLASS (CANOPY)
 - G-6
 - G-7 3/4" TEMPERED SINGLE PANE
 - G-8 TRANSLUCENT/FROSTED 2ND SURFACE TEMPERED BOTH PANE
 - SB SHADOW BOX, PAINTED GWB INTERIOR

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Checked:	RMS	Date:	09/10/07
Signature:		Scale:	
Seal:		Drawn:	
		Job#	27164
		Dwg #	A604

APPENDIX F

PREVIOUS ENVIRONMENTAL

INVESTIGATIONS AND REPORTS

BRIGHTON GREEN
BROOKLYN, NEW YORK

Remedial Investigation Report

NYC BCP Site Number: 12CBCP018K

Prepared for:

Robert M. Scarano, Jr.
Scarano Realty, LLC 110 York St., 5th Floor
Brooklyn, New York 11201

Prepared by:

Laurel Environmental Associates, Ltd.
53 West Hills Road, Suite 1
Huntington Station, New York 11746
631-673-0612

July 2011

REMEDIAL INVESTIGATION REPORT

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 - 1.2. SVOC Summary
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APPENDICES

- A. Phase 1 Report
- B. Health and Safety Plan
- C. Soil Boring Geologic Logs
- D. Soil Analytical Results
- E. Groundwater Analytical Results
- F. Soil Vapor Analytical Results
- G. Soil Vapor Logs

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, Scott A. Yanuck, 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 Brighton Green Development Site, (NYC BCP Site No. 12CBCP018K). 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.

<u>Scott A. Yanuck. Yanuck</u>	<u>July 19, 2011</u>	
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 67 Brighton 1 Lane in the Brighton Beach section in Brooklyn, New York and is identified as Block 8670 and Lot 80 on the New York City Tax Map. The Site is 2,025 -square feet in area and is vacant and undeveloped, with evidence of construction debris mixed in soils at the site.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of a high performance six-story, six-family residential building with an entrance lobby, community facility office, bicycle storage and utilities on the first floor, apartments on Floors 2 – 6 with a communal roof terrace. The property will have no basement.

Summary of Past Uses of Site and Areas of Concern

The property had been on the outer edge of a horse racing track from the late 1800's to the early 1900's. A residential dwelling occupied the site since the development of the lot in the 1920's. The AOCs identified for this site include consist of historic fill and possible heating oil usage at the site.

Summary of the Work Performed under the Remedial Investigation

LEA on behalf of its client, Scarano Realty, LLC, performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Conducted a geophysical survey of the site;
3. Installed four soil borings across the entire project Site, and collected seven soil samples for chemical analysis from the soil borings to evaluate soil quality;

4. Installed one groundwater monitoring well throughout the Site to establish groundwater flow and collected one groundwater sample for chemical analysis to evaluate groundwater quality;
5. Installed three soil vapor probes around Site perimeter and collected three samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from 8.5 to 9 feet above sea level.
2. Depth to groundwater ranges from 6 to 6.5 feet at the Site.
3. Groundwater is presumed to flow is generally from north to south beneath the Site.
4. Depth to bedrock is approximately 1,300 feet at the Site.
5. The stratigraphy of the site, from the surface down, consists of 120 the Upper Glacial aquifer underlain by 50 feet of Gardiners Clay, underlain by 40 feet of the Jameco aquifer, underlain by 600 feet of Magothy aquifer, underlain by 200 feet of the Raritan confining unit, underlain by 300 feet of the Lloyd aquifer
6. Soil/fill samples collected during the RI showed five metals with contamination exceeding Track 1 SCOs. Of these, barium, lead, copper and cadmium also exceeded Track 2 Restricted Residential SCOs. All Track 2 metals exceedences were limited shallow (0-2 foot) samples. With the exception of lead in one sample, all deeper soil samples (6-10 feet) achieved Track 1. SVCOs, VOC's, SVOCs, and PCBs were all below Track 1 SCOs. Soils from 0 to roughly 6 feet depths contained historic fill comprised of fill, ash, coal, and construction debris.
7. Groundwater samples collected during the RI did not detect VOCs, SVOcs or PCBs. Detected metals did not exceed TOGS 1.1.1 Class GA Guidance Values in the one unfiltered sample.
8. Soil vapor samples collected during the RI showed a wide variety of VOCs, consisting mainly of BTEX and associated compounds at concentrations generally below 75 ug/m3. These compounds are most commonly associated with a spill of automotive fuel. The presence of MTBE and ethanol in vapor suggest a relatively recent spill. Past uses of the property do not indicate automotive fueling activities or other automotive fuel sources. Soil samples do not contain any VOCs in either shallow or deep soil samples. Groundwater did

not detect any VOCs. Together, these observations suggest an offsite source area. TCE is identified in one samples at 3.2 ug/m³ and PCE is identified all three samples but only one above 1 ug/m³ (8.6 ug/m³). Similar to BTEX compounds, PCE and TCE were not detected onsite and past uses of the property do not suggest the potential for onsite source areas. While no standards exist for soil vapor, no compounds exceed the Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Final November 2006)

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Scarano Realty, LLC has enrolled in the New York City Brownfield Cleanup Program (NYC BCP) to investigate and remediate a 0.05-acre site located at 67 Brighton 1 Lane in the Brighton Beach section of Brooklyn, New York. Residential Mixed-Use, with a community facility office is proposed for the property. The RI work was performed between July 8 and 14, 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 67 Brighton 1 Lane in the Brighton Beach section in Brooklyn, New York and is identified as Block 8670 and Lot 80 on the New York City Tax Map. Figure 1.0 shows the Site location. The Site is 2,025 -square feet in area and is bounded by homes to the north, Brighton 1 Lane to the south, a home to the east, and a multi-story building under construction to the west. A map of the site boundary is shown in Figure 2.0. Currently, the Site is vacant and is undeveloped, with evidence of construction debris mixed in soils at the site.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a high performance six-story, six-family residential building with an entrance lobby, community facility office, bicycle storage and utilities on the first floor, apartments on Floors 2 – 6 with a communal roof terrace. The building will not have a basement. The building will have 5,800 square feet of residential space and 1,200 square feet of community facility office. Layout of the proposed site development is presented in Figures 3.0 through 3.8. The building, which will cover the entire lot, will be constructed to attain LEED Platinum Status. Storage tanks for geothermal heat, gray water and drainage will be placed below the highly insulated slab of the building. Estimated maximum excavation depth for construction is 6 feet under the elevator and 3 feet under the remainder of the building. Groundwater was encountered at 6.5 feet below grade, so excavation into the water

table is not expected. The current zoning designation is R6 residential. The proposed use is consistent with existing zoning for the property.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The property lies within a residential neighborhood, with mostly small one and two story single and two-family homes. Commercial buildings are located to the south, primarily along Brighton Beach Avenue. A large condominium building is located on the west side of Brighton 1 Street and there are two buildings currently under construction to the west of the property, which will likely be mixed use. There are no sensitive receptors, such as schools, playgrounds, hospitals or day care centers within a 500 foot radius of the site.

Figure 4.0 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

The property had been on the outer edge of a horse racing track from the late 1800's to the early 1900's. A residential dwelling occupied the site since the development of the lot in the 1920's. According to the aerial map of 2010 the property is currently vacant, and the New York City building records state that the last modification to the building was in 2007. During the time between 2007 and 2010, the residential dwelling was demolished, although no official records obtained by *LEA* provide an exact date. According to the New York City building records, the property has a permit to conduct two test pits to investigate of sub-soil conditions in September of 2010. The subject property is currently still vacant and undeveloped at the time of this report. Ownership of the property was Wasserberger from 1971 to 2007/2008, at which time Pensco Trust Company (current owner) was issued the deed.

2.2 PREVIOUS INVESTIGATIONS

No previous environmental investigations were conducted at the site. A Geotechnical Boring that was completed in December 2007 provided some insight into the type of fill and soil at the site.

2.3 SITE INSPECTION

The site inspection found a fenced-in vacant property with some vegetation present. The surface of the property was relatively flat, with construction debris present on the surface and partially buried in the soil.

2.4 AREAS OF CONCERN

The AOCs identified for this site include:

1. A residential home that occupied the site for approximately 90 years was recently demolished. Concern is for historic fill, recent building debris and possible heating oil usage at the site

Phase 1 Report is presented in Appendix A.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Scott A. Yanuck.

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

LEA on behalf of its client, Scarano Realty, LLC, performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Conducted a geophysical survey of the site;
3. Installed four soil borings across the entire project Site, and collected seven soil samples for chemical analysis from the soil borings to evaluate soil quality;
4. Installed one groundwater monitoring well at the Site to establish groundwater flow and collected one groundwater sample for chemical analysis to evaluate groundwater quality;
5. Installed three soil vapor probes around Site perimeter and collected three samples for chemical analysis.

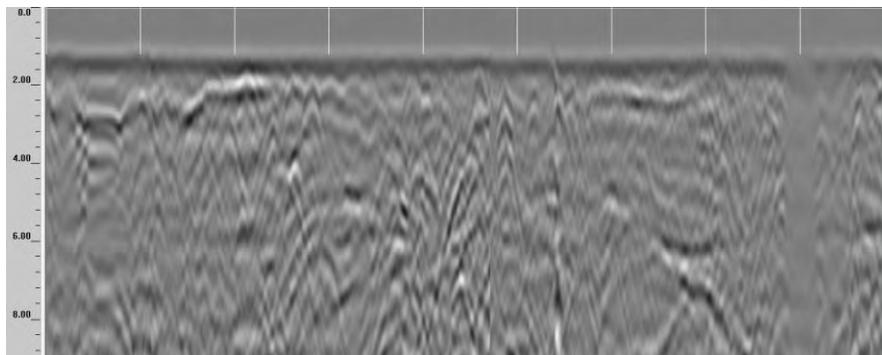
4.1 GEOPHYSICAL INVESTIGATION

A geophysical survey was conducted on July 8, 2011 to locate underground storage tanks or buried above ground storage tanks.

A GSSI model SIR-3000 with a 400 MHz antenna Ground Penetrating Radar (GPR) system was used for the survey and consisted of a control unit, control cable and a transducer. The GPR control unit transmits a trigger pulse at a normal repetition rate of 50 KHz. The pulse is then sent to the transmitter electronics in the transducer (antenna) via the control cable where the trigger pulses are transformed into bipolar pulses with higher amplitudes. The transformed pulse will vary in shape and frequency according to the transducer used. The GSSI system is capable of transmitting electromagnetic energy into the subsurface of the earth in the frequency range of 16 MHz to 2000 MHz. In the subsurface, reflections of the pulse occur at boundaries where there is a dielectric contrast (void, steel, soil type). The reflected portion of the signal travels back to the antenna and the control unit and is subsequently shown on the display of the computers color video monitor for interpolation. The scan was completed from zero to 10 feet below grade over searched areas.

A qualified technician specified a coordinate system on the planimetric surface to locate any subsurface dielectric anomalies on the premises. The operator used known knowledge of the subsurface soil composition to calibrate the SIR-3000 system to site-specific conditions. Factor settings such as range, gain, number of gain points, and scans per unit, are modified to yield the most accurate data to describe the subsurface conditions. Additionally, a Fischer Model TW-6 magnetometer was utilized to survey for buried metal objects, such as tanks.

No anomalies indicative of a buried tank were discovered at the subject site. Typical image at property is shown below:



4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

Soil borings were completed to 10 feet below grade at three predetermined locations on July 8, 2011, using a GeoProbe 6610 track unit and the dual tube sampling system. Samples were collected in 5' sleeves, which were cut open, photographed, field-screened by visual, olfactory and calibrated PID, and logged prior placing in sample containers. Soils from 0 to 6 or 6.5 feet were comprised of fill, ash, coal, and construction debris. Soils from 6 or 6.5 feet to 10 feet consisted of fine well sorted sands. The sample horizon from 6 to 8 feet in SB-3 had a slight petroleum odor and registered a high of 52.8 ppm on the PID. Based on this, one step out boring was completed 5 feet south of SB-3. SB-3A was conducted on July 14, 2011 using a GeoProbe 420M unit and closed piston macro core sampling system. No signs of contamination were noted in this sample collected at 6 to 8 foot below grade, which bisected the water table. Water was encountered at 6 to 6.5 feet.

Boring logs were prepared by Wala Canario, under supervision of Scott A. Yanuck and are attached in Appendix C. A map showing the location of soil borings and monitor wells is shown in Figure 3.0.

Groundwater Monitoring Well Construction

One monitoring well was installed at the pre-determined location using the GeoProbe 6610 and 2.25 inch rods. The well was a 5-foot, 3/4-inch diameter pre-pack well set with the screened interval at 5 to 10 feet. The well was developed and checked using a Horiba U-22 multi-parameter water meter prior to low flow sampling.

Monitor well locations are shown in Figure 3.0.

Water Level Measurement

The monitoring well was gauged and the depth to water was found to be 6.24 feet. Water levels are likely to fluctuate at this site due to tidal influence.

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

Soil sampling using the GeoProbe DT225 sampling system provides a high level of sample quality. The outer rods provide a casing so that the deeper sample can be collected without being mixed with material that could fall into the borehole from above. A new liner is utilized for each 5 foot sampling interval. The rods and cutting shoes are decontaminated between boreholes using Alconox and rinsed with fresh water and then distilled water. One field blank/equipment blank was collected to rule out cross contamination. One blind duplicate sample was submitted for analysis to provide a job specific QA/QC check on the lab. Four 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 Tables 1.1 to 1.4. Figure 3.0 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

Disposable tubing was used in conjunction with a peristaltic pump to collect the groundwater sample, so no decontamination was necessary. Since the well was a pre-pack well which was installed and developed the same day, no additional purging was necessary. One groundwater sample was collected for chemical analysis during this RI. Groundwater sample collection data is reported in Table 2. Figure 3.0 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

A GeoProbe 6610 was utilized to set soil vapor points at four feet below grade, a depth just below the base of the proposed building slab. Once the sampling points were set in glass bead and sealed with bentonite above, a helium tracer gas was applied using the recommended bucket apparatus and a helium detector was used to confirm a sufficient seal at the surface.

Three soil vapor probes were installed and three soil vapor samples were collected for chemical analysis during this RI. The soil vapor sampling location is shown in Figure 3.0. Soil vapor sample collection data is reported in Table 3. Soil vapor sampling logs are included in Appendix G. 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 Scott A. Yanuck
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and were Long Island Analytical Laboratories (1070504) and Con-Test Laboratories (10899)
Chemical Analytical Methods	Soil analytical methods: <ul style="list-style-type: none">• TAL Metals by EPA Method 6010C (rev. 2007);• VOCs by EPA Method 8260C (rev. 2006);• PAH SVOCs by EPA Method 8270D (rev. 2007);• PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: <ul style="list-style-type: none">• TAL Metals by EPA Method 6010C (rev. 2007);• VOCs by EPA Method 8260C (rev. 2006);• PAH SVOCs by EPA Method 8270D (rev. 2007);

	<ul style="list-style-type: none">• PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: <ul style="list-style-type: none">• VOCs by TO-15 VOC parameters.
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Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 1, 2 and 3, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix D, E and F.

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Kings County is located in the Atlantic Coastal Plain physiographic province that is characterized by low hills of unconsolidated sands, gravel, and silt. According to Franke (1972), regionally, the near-surface sediments consist of the Upper Glacial deposits that are characterized by southward sloping deposits of sand, gravel, and silt. The Upper Glacial deposits have a maximum thickness of 600 feet. They are underlain by the Magothy, Raritan, and Lloyd Formations. The Gardeners clay and the Jameco gravel separate the Upper Glacial deposits and the Magothy Formation along the southwest portion of Long Island. Due to less surficial contamination and higher well yields, the Magothy aquifer is the main supply for drinking and industrial water. Consequently, the USEPA has identified it as a Sole Source Aquifer. The subject site is in the Upper Glacial aquifer. Pump test data suggests hydraulic conductivity between the Magothy and Upper Glacial aquifers. However, discontinuous clay lenses may prevent this interaction in some areas.

According to the United States Department of Agriculture Soil Survey Classification and Nomenclature System, this soil would likely be referred to as Urban Land, because the original composition and structure of the soil has been significantly altered by urbanization and development activities. Based on groundwater contour maps obtained from the United States Geological Survey, regional ground water flows in a southerly direction.

Stratigraphy

The site soils consist of 6 to 6.5 feet of fill material, construction debris, cinders and coal, followed by fine well sorted sands to the end of boring, which is 10 feet. According to a geotechnical boring conducted in December 2007, a fine to medium grained sand extended to the end of their boring at 32 feet below grade.

Hydrogeology

Groundwater was expected at 5 to 7 feet below grade, with a general flow direction from the north to the south. Measured depth to groundwater at MW-1 was 6.24 feet below the ground surface.

5.2 SOIL CHEMISTRY

The results of chemical testing of soil and fill materials at the site are as follows:

- Field screening of soil in all borings found urban fill materials to a depth of 6 to 6.5 feet below grade. This was evident as pieces of coal, ash and building materials. Minor petroleum odor was noted in SB-3, 6' – 8' below grade. Laboratory analysis of the selected samples indicated that five metals in shallow samples of historical fill (0-2 feet depth) exceeded Track 1 SCOs including Barium, Cadmium, Copper, Lead and Zinc. Of these, barium, lead, copper and cadmium also exceeded Track 2 Restricted Residential SCOs. All Track 2 metals exceedances were limited shallow (0-2 foot) samples. With the exception of lead in one sample, all deeper soil samples (6-10 feet) achieved Track 1. SVCOs. VOC's, SVOCs, and PCBs were all below Track 1 SCOs.
- Barium was noted at concentrations of 86.1 to 741 ppm in the 0' to 2' samples and at <3.88 to 9.16 ppm in the 6' – 8' and 8' to 10' samples
- Cadmium was noted at concentrations of <0.005 to <1.04 ppm in the 0' to 2' samples and at <1.00 to <1.19 in the 6' – 8' and 8' to 10' samples (all non-detected)
- Copper was noted at concentrations of 40.7 to 341 ppm in the 0' to 2' samples and at <1.92 to 26.6 in the 6' – 8' and 8' to 10' samples
- Lead was noted at concentrations of 143 to 2030 ppm in the 0' to 2' samples and at <1.92 to 299 in the 6' – 8' and 8' to 10' samples
- Zinc was noted at concentrations of 117 to 286 in the 0' to 2' samples and at 6.21 to 63.4 in the 6' – 8' and 8' to 10' samples;
- Comparison to Track 1 finds Barium over SCO in SB-1 0'-2' and SB-2, 0'-2'; Copper over SCO in in SB-1 0'-2' and SB-2, 0'-2'; Lead over SCO in SB-1 0'-2', SB-2, 0'-2', SB-3, 0'-2', and SB-3A, 6'-8'; Zinc over SCO in SB-1 0'-2', SB-2, 0'-2', and SB-3, 0'-2';
- Urban fill is evenly distributed across the property to a depth of 6 to 6.5 feet, just above the water table and clean sands. Minor petroleum odor was detected in SB-3 at a depth of 6-8 feet. A second exploratory boring five feet from SB-3 (SB-3A) drilled to evaluate the

significance of this finding did not show petroleum odors. SVOCs were below Track 1 SCOs for corresponding deep soils from both borings;

- The observed soil contamination corresponds well with the historical fill AOC,
- Removal of soils from 0' to 6' will provide sufficient remediation to meet 6NYCRR Part 375-6.8 Track 1 Soil Cleanup Objectives. There may be some additional removal of soils necessary around SB-3 based on the field screening results.

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 Tables 1.1 to 1.4. Figure 3.0 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 1 Soil Cleanup Objectives.

5.3 GROUNDWATER CHEMISTRY

The results of chemical testing of groundwater at the site are as follows: Groundwater samples collected during the RI did not detect VOCs, SVOCs or PCBs. Detected metals did not exceed TOGS 1.1.1 Class GA Guidance Values in the one unfiltered sample. These findings indicate that historical fill does not adversely affect groundwater quality at this Site.

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 2. No exceedance of applicable groundwater standards was detected.

Figure 3 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards (no exceedances).

5.4 SOIL VAPOR CHEMISTRY

Soil vapor samples collected during the RI showed a wide variety of VOCs, consisting mainly of BTEX and associated compounds at concentrations generally below $75 \mu\text{g}/\text{m}^3$. These compounds are most commonly associated with a spill of automotive fuel. The presence of MTBE and ethanol in vapor suggest a relatively recent spill. Past uses of the property do not indicate automotive fueling activities or other automotive fuel sources. Soil samples do not contain any VOCs in either shallow or deep soil samples. Groundwater did not detect any VOCs. Together, these observations suggest an offsite source area. TCE is identified in one sample at $3.2 \mu\text{g}/\text{m}^3$ and PCE is identified all three samples but only one above $1 \mu\text{g}/\text{m}^3$ ($8.6 \mu\text{g}/\text{m}^3$).

Concentrations of acetone range as high as 360 $\mu\text{g}/\text{m}^3$. Similar to BTEX compounds, PCE and TCE were not detected onsite and past uses of the property do not suggest the potential for onsite source areas. While no standards exist for soil vapor, no compounds exceed the Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Final November 2006). Based on the presence of VOCs the installation of a vapor barrier is warranted at this site.

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 3.

Figure 3 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

Figures

USGS Brooklyn, New York, United States 01 Jul 1992

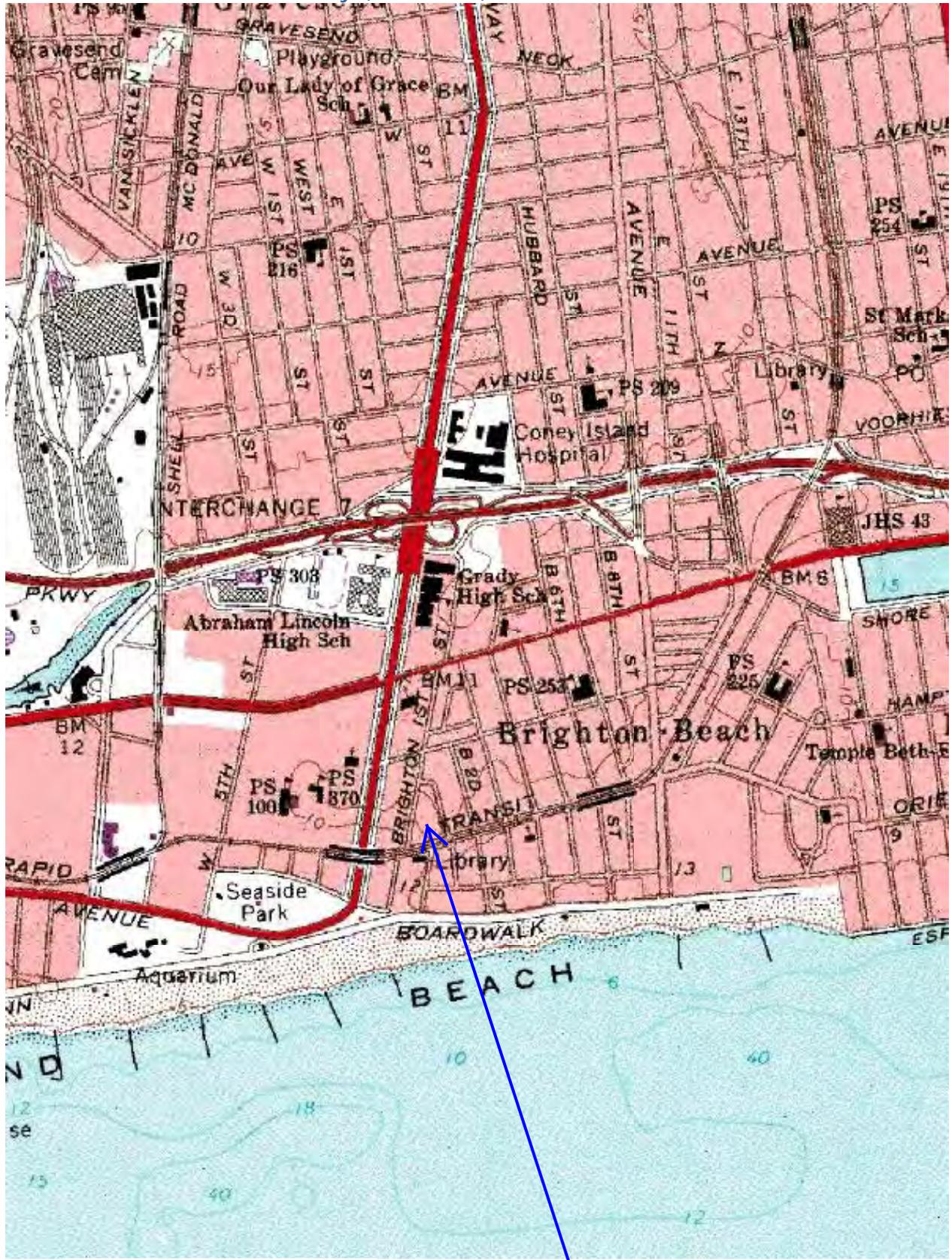


Figure 2.0
67 Brighton 1st Lane
Brooklyn, New York

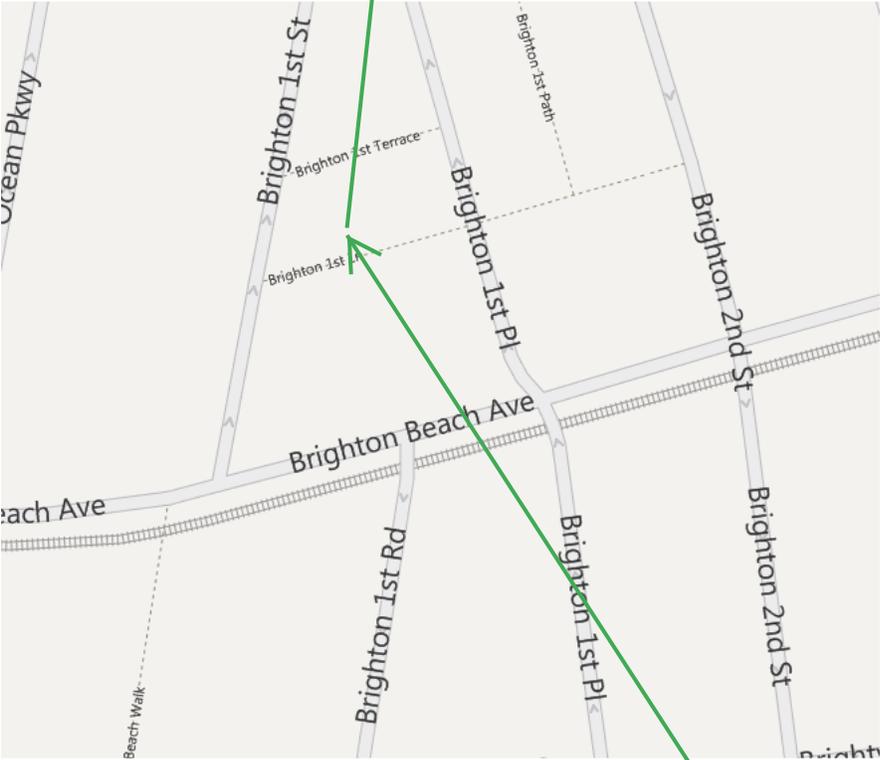
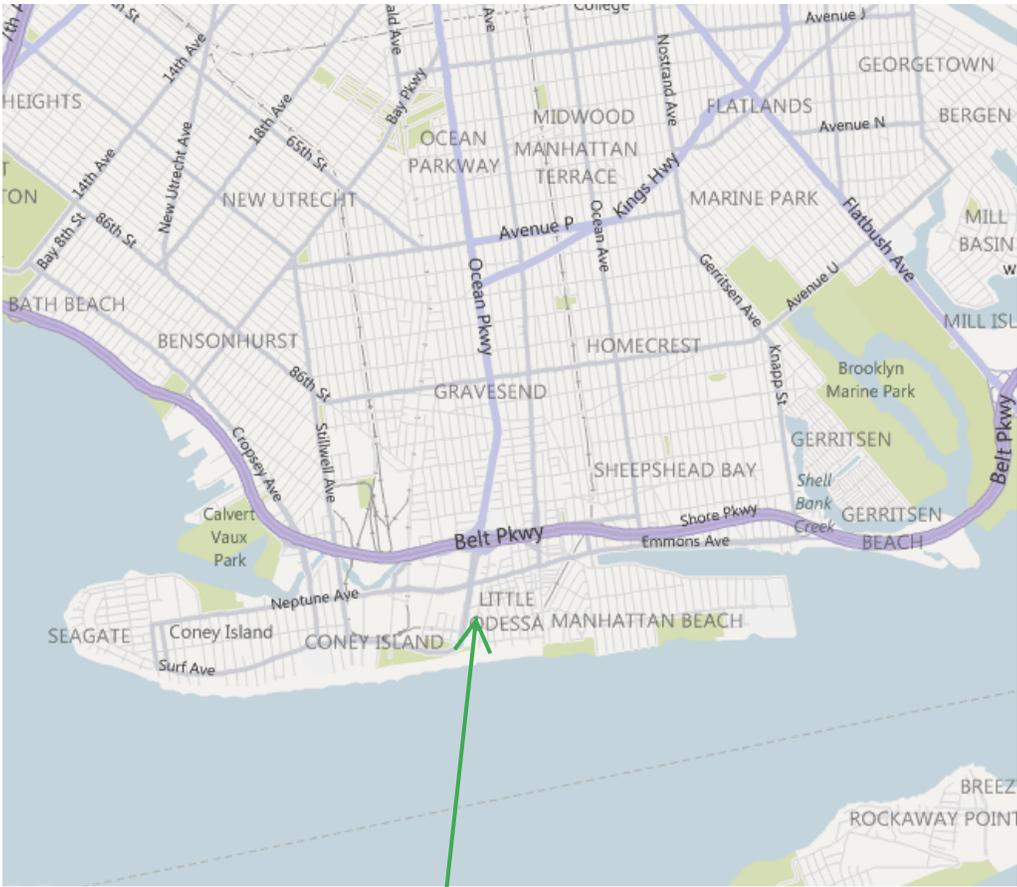
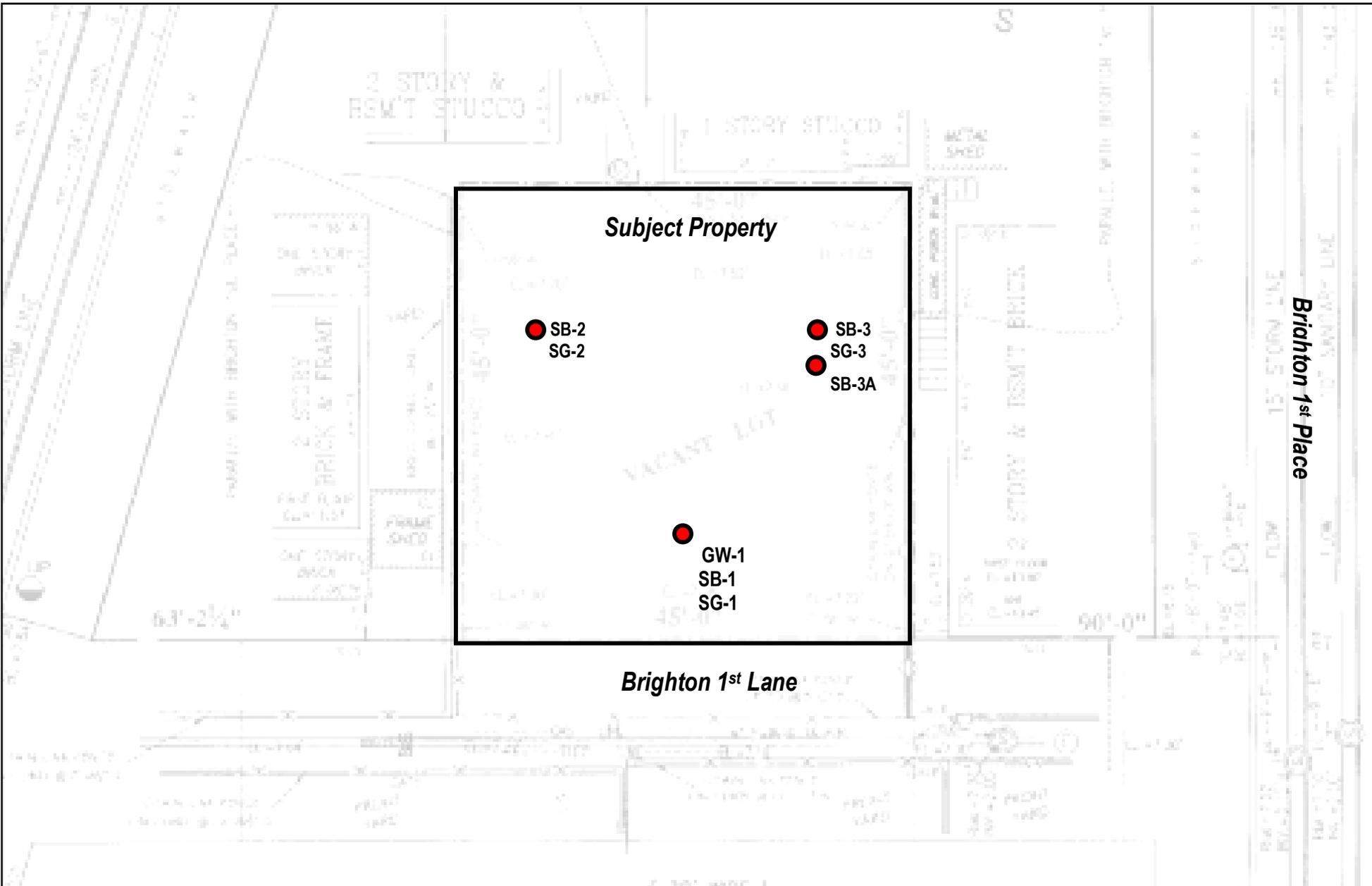


Figure 1.0 Site Location
67 Brighton 1st Lane
Brooklyn, New York



53 West Hills Road
Huntington Station, NY 11746

PHONE: 631-673-0612
FAX: 631-427-5323

WWW.LAUREL ENV.COM

FIGURE 3.0
SITE SKETCH & SOIL SAMPLE
LOCATION PLAN

67 BRIGHTON 1ST LANE
BROOKLYN, NY 11235

PROJECT # : 11-256
DRAWING DATE: 7-7-2011
DRAWN BY: CJC
CHECKED BY: TJ
REVISIONS: CM, SY

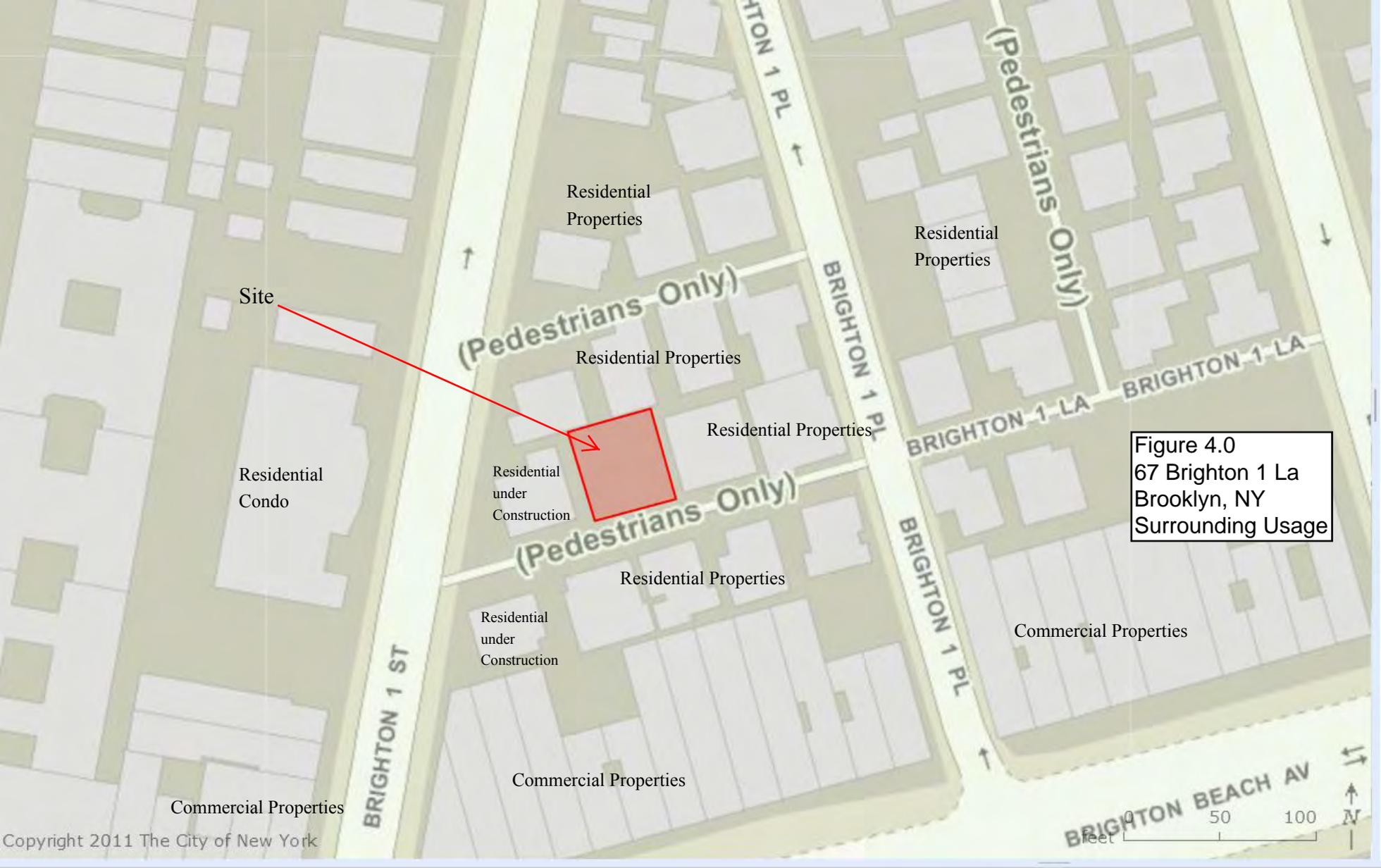
SB = Soil Borings
SG = Soil Grab
GW = Groundwater Sample

 **SAMPLES LOCATIONS**



NOT TO SCALE

LEA makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.



Site

Residential Properties

Residential Properties

(Pedestrians Only)

Residential Properties

Residential Properties

Residential Condo

Residential under Construction

(Pedestrians Only)

Residential Properties

Residential under Construction

Commercial Properties

Commercial Properties

Commercial Properties

Figure 4.0
67 Brighton 1 La
Brooklyn, NY
Surrounding Usage

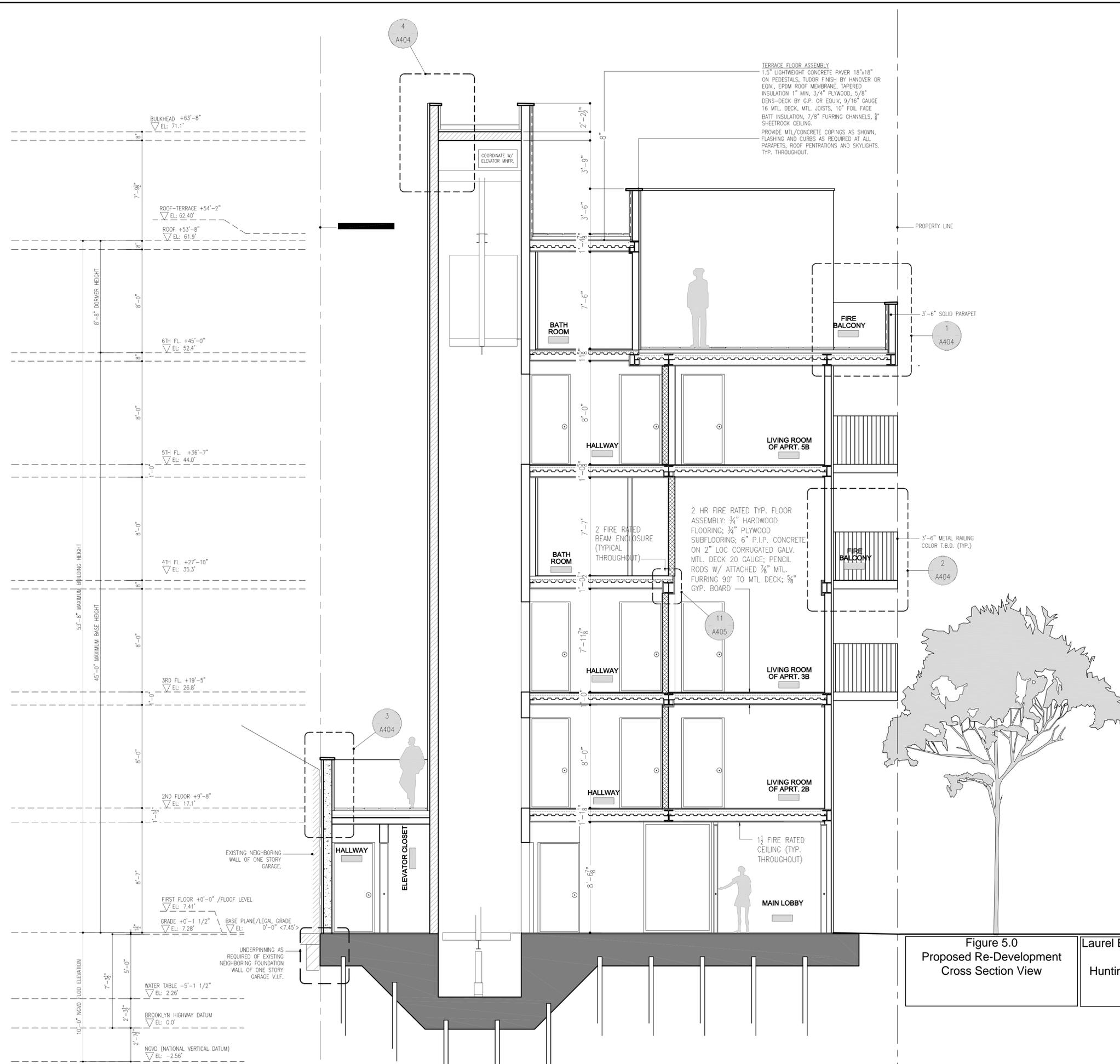


Figure 5.0
Proposed Re-Development
Cross Section View

Laurel Environmental Associates
53 West Hill Rd.
Huntington Station, NY 11746
631-673-0612

Revision No.	Date	Remarks

LEGEND

APPLICATION # 310041816
WORK TYPES FILED UNDER THIS APPLICATION:
NB, OT, EQ.

WORK TYPES TO BE FILED SEPARATELY:
PL, MH, BL, SP, SP, FA

WORK TYPES TO BE FILED SEPARATELY BY DIFFERENT APPLICANT:
ELEVATOR MARQUEE

SPRINKLERS ARE THROUGHOUT BUILDING

SCARANO & ASSOCIATES ARCHITECTS
110 York Street, Brooklyn, NY 11201
Phone (718) 222-0322 Fax (718) 222-4486

Project:
**PROPOSED PROJECT AT:
67 BRIGHTON 1ST LANE
BROOKLYN, NY**

Title:
SECTION A

Checked: RMS	Date: 09/10/07
Signature:	Scale: 1/8" = 1'-0"
Seal:	Drawn: YM
	Job #: 27164
	Draw #: A-300

Tables

TABLE 1.1
Tabulated VOC Analytical Results
Soil Samples Collected July 8 and 14, 2011
67 Brighton 1st Lane, Brooklyn, New York

Analyte/Location Depth	SB-1	SB-2	SB-3	DUP	SB-1	SB-2	SB-3	SB-3A	SB-1/SB-3	SFB	Track 1	Track 2
	0'-2'	0'-2'	0'-2'	(SB-3 0'-2')	6'-8'	6'-8'	6'-8'	6'-8'	Composite	NA	Unrestricted SCO Part 375-6.8	Residential SCO Part 375-6.8
4-Isopropyltoluene	<5.47	<5.51	<5.43	<5.46	<6.03	<6.20	<6.15	<5.63	34.6	<5.00	N/A	N/A
1,2,4,5-Tetramethylbenzene	<5.47	<5.51	<5.43	<5.46	<6.03	<6.20	<6.15	<5.63	917	<5.00	N/A	N/A
Methylene chloride	<5.47	<5.51	<5.43	8.25	10.5	11.4	10.2	<5.63	<29.3	<5.00	50	51,000

Cadmium

NA =Not Applicable or Not Analyzed

Bold = Concentration above respective SCO

TABLE 1.2
Tabulated SVOC Analytical Results
Soil Samples Collected July 8 and 14, 2011
67 Brighton 1st Lane, Brooklyn, New York

Analyte/Location Depth	SB-1	SB-2	SB-3	DUP	SB-1	SB-2	SB-3	SB-3A	SB-1/SB-3	SFB	Track 1	Track 2
	0'-2'	0'-2'	0'-2'	(SB-3 0'-2')	6'-8'	6'-8'	8' - 10'	6'-8'	Composite	NA	Unrestricted SCO Part 375-6.8	Residential SCO Part 375-6.8
Acenaphthene	<43.7	99.3	129	<87.3	<48.2	<49.6	<49.2	113	<46.8	<5.00	20,000	100,000
Anthracene	<43.7	289	156	130	<48.2	<49.6	<49.2	107	<46.8	<5.00	100,000	100,000
Benzo (a) anthracene	201	714	576	492	65.9	<49.6	<49.2	289	46.8	<5.00	1,000	1,000
Benzo (a) pyrene	182	643	349	288	62.7	<49.6	<49.2	221	49.2	<5.00	1,000	1,000
Benzo (b) fluoranthene	253	824	530	504	78.8	<49.6	<49.2	313	62.4	<5.00	1,000	1,000
Benzo (g,h,i) perylene	104	323	178	271	<48.2	<49.6	<49.2	163	71.8	<5.00	100,000	100,000
Benzo (k) fluoranthene	91.8	328	229	134	<48.2	<49.6	<49.2	108	<46.8	<5.00	800	1,000
Benzy alcohol	<43.7	<44.1	<86.9	<87.3	<48.2	<49.6	<49.2	N/A	<46.8	6.28	N/A	N/A
Bis(2-Ethylhexyl)phthal	135	342	266	215	<48.2	<49.6	93.5	N/A	<46.8	<5.00	N/A	N/A
Butyl benzyl phthalate	<43.7	<44.1	<86.9	492	<48.2	<49.6	<49.2	N/A	<46.8	<5.00	N/A	N/A
Carbazole	<43.7	120	<86.9	130	<48.2	<49.6	<49.2	N/A	<46.8	<5.00	N/A	N/A
Chrysene	186	707	568	533	61.1	<49.6	<49.2	268	82.7	<5.00	1,000	1,000
Dibenzo (a,h) anthracene	<43.7	95.6	<86.9	<175	<48.2	<49.6	<49.2	<45.1	<46.8	<5.00	330	330
Dibenzofuran	<43.7	72.8	<86.9	<87.3	<48.2	<49.6	<49.2	N/A	<46.8	<5.00	N/A	N/A
Fluoranthene	324	1,560	1,030	908	123	<49.6	<49.2	654	152	<5.00	100,000	100,000
Fluorene	<43.7	81.6	<86.9	<87.3	<48.2	<49.6	<49.2	70.6	<46.8	<5.00	30,000	100,000
Indeno (1,2,3-cd) pyrene	86.7	268	184	236	<48.2	<49.6	<49.2	125	<46.8	<5.00	500	500
Naphthalene	<43.7	<44.1	<86.9	<87.3	<48.2	<49.6	<49.2	69.9	<46.8	<5.00	12,000	100,000
Phenanthrene	137	1,250	508	490	81.2	<49.6	<49.2	708	184	<5.00	100,000	100,000
Pyrene	292	1,280	1,040	892	118	<49.6	<49.2	578	411	<5.00	100,000	100,000

All concentrations are in parts per billion (ppb)

NA =Not Applicable or Not Analyzed

Bold = Concentration above respective SCO

TABLE 1.3
Tabulated Metals Analytical Results
Soil Samples Collected July 8 and 14, 2011
67 Brighton 1st Lane, Brooklyn, New York

Location Depth Analyte	SB-1	SB-2	SB-3	DUP	SB-1	SB-2	SB-3	SB-3A	SB-1/SB-3	SFB	Track 1	Track 2
	0'-2'	0'-2'	0'-2'	(SB-3 0'-2')	6'-8'	6'-8'	8'-10'	6'-8'	Composite	NA	Unrestricted SCO Part 375-6.8	Residential SCO Part 375-6.8
Aluminum	4,450	4,790	6,730	5,960	509	394	426	1,930	1,370	<0.05	N/A	N/A
Arsenic	2.59	2.57	2.46	2.55	<1.94	<1.97	<1.92	2.49	<1.86	<0.05	13	16
Barium	723	741	86.1	86.2	5.08	4.6	<3.88	16.6	9.16	<0.05	350	350
Cadmium	<1.04	<1.04	<0.05	<1.03	<1.18	<1.19	<1.16	<1.00	<1.13	<0.05	2.5	2.5
Calcium	3,160	3,310	8,380	14,200	397	234	199	545	305	<0.05	N/A	N/A
Chromium, trivalente	12.1	13.4	16.2	15.8	2.18	<1.97	<1.92	4.83	3.45	<0.05	30	36
Colbalt	5.31	5.2	6.33	5.64	<194	<1.97	<1.92	<1.65	<1.86	<0.05	N/A	N/A
Copper	179	341	45.2	40.7	<1.94	<1.97	<1.92	26.6	3.51	<0.05	50	270
Iron	11,600	13,000	15,800	13,900	1,160	631	712	7,090	2,550	0.10	N/A	N/A
Lead	1,700	2,030	143	152	9.39	<1.97	<1.92	299	9.78	<0.005	63	400
Magnesium	1,730	1,820	3,800	5,860	193	168	175	366	436	<0.10	N/A	N/A
Manganese	253	246	250	218	<9.72	<9.98	<9.60	26.3	33.8	<0.05	1,600	2,000
Mercury	0.05	0.04	0.1	0.09	0.07	<0.02	<0.02	0.1	0.05	<0.002	0.18	0.81
Nickel	15.6	12.9	16.1	15	<1.94	<1.97	<1.92	3.28	3.06	<0.05	30	140
Potassium	915	1,120	1,460	1,560	102	85.8	97.2	233	184	<0.10	N/A	N/A
Sodium	1,810	1,750	271	284	22.7	19.6	15.1	32.9	33.5	0.11	N/A	N/A
Vanadium	17.6	17.6	22.1	20.7	<1.94	<1.97	<1.92	5.2	4.17	<0.05	N/A	N/A
Zinc	286	253	117	108	11.1	7.26	6.21	63.4	14.4	<0.05	109	2200

All metals concentrations are in parts per million (ppm)

NA =Not Applicable or Not Analyzed

Bold = Concentration above respective SCO

TABLE 1.4
Tabulated PCB Analytical Results
Soil Samples Collected July 8 and 14, 2011
67 Brighton 1st Lane, Brooklyn, New York

Location	SB-1	SB-2	SB-3	DUP	SB-1	SB-2	SB-3	SB-3A	SB-1/SB-3	SFB	Track 1	Track 2
Depth	0'-2'	0'-2'	0'-2'	(SB-3	6'-8'	6'-8'	8'-10'	6'-8'	Composite	NA	Unrestricted SCO	Residential SCO
Analyte											Part 375-6.8	Part 375-6.8
Polychlorinated biphenyls (PCBs)	<21.9	<22.1	<21.7	36.9	<24.1	<24.8	<24.1	<22.5	<23.4	<20	100	1,000

All concentrations are in parts per billion (ppb)

NA =Not Applicable or Not Analyzed

Cadmium

TABLE 2.0
Tabulated Analytical Results
Groundwater Samples Collected July 8, 2011
67 Brighton 1 Lane, Brooklyn, New York

Location	GW-1	NYSDEC
Depth	NA	Ambient
Analyte	Total	
Metals		
Aluminum	0.46	2,000
Calcium	49.2	N/A
Iron	2.89	600
Lead	<0.005	0.025
Magnesium	6.03	35,000
Manganese	0.08	600
Potassium	3.99	N/A
Sodium	17.3	N/A
Zinc	0.11	5,000
VOCs	All BQL	
SVOCs	All BQL	
PCBs	All BQL	

All metals concentrations are in parts per million (ppm)

NA =Not Applicable or Not Analyzed

Analytes not listed are below laboratory quantitation levels (BQL)

Bold = Concentrations above NYSDEC TAGM #4046 RSCOs

TABLE 3
Tabulated Soil Vapor Analytical Results
Samples Collected July 8 , 2011

Sample Location	SG-1	SG-2	SG-3
Sample Type	Soil Vapor	Soil Vapor	Soil Vapor
Acetone	330	190	360
Benzene	7.8	15	16
Benzyl chloride	<0.52	<0.52	<0.52
Bromodichloromethane	<0.67	<0.67	<0.67
Bromoform	<1.0	<1.0	<1.0
Bromomethane	<0.39	<0.39	<0.39
1,3-Butadiene	<0.22	<0.22	<0.22
2-Butanone (MEK)	49	43	59
Carbon Disulfide	4.8	1.3	1.5
Carbon Tetrachloride	<0.63	<0.63	<0.63
Chlorobenzene	<0.46	<0.46	<0.46
Chloroethane	<0.26	<0.26	<0.26
Chloroform	3.5	3.6	3.2
Chloromethane	2.5	0.97	1.1
Cyclohexane	5.3	15	20
Dibromochloromethane	<0.85	<0.85	<0.85
1,2-Dibromoethane (EDB)	<0.77	<0.77	<0.77
1,2-Dichlorobenzene	<0.60	<0.60	<0.60
1,3-Dichlorobenzene	6.5	2.5	3.1
1,4-Dichlorobenzene	<0.60	1	0.85
Dichlorodifluoromethane (Freon)	2.3	5.4	3
1,1-Dichloroethane	<0.40	<0.40	<0.40
1,2-Dichloroethane	<0.40	<0.40	<0.40
1,1-Dichloroethylene	<0.40	<0.40	<0.40
cis-1,2-Dichloroethylene	<0.40	4.2	<0.40
trans-1,2-Dichloroethylene	<0.40	<0.40	<0.40
1,2-Dichloropropane	<0.46	<0.46	<0.46
cis-1,3-Dichloropropene	<0.45	<0.45	<0.45
trans-1,3-Dichloropropene	<0.45	<0.45	<0.45
1,2-Dichloro-1,1,2,2-tetrafluoroethane	<0.70	<0.70	<0.70
Ethanol	360	230	360
Ethyl Acetate	4.3	<0.36	<0.36
Ethylbenzene	7.9	13	14
4-Ethyltoluene	3.8	7.4	5.8
Heptane	7.2	16	19
Hexachlorobutadiene	<1.1	<1.1	<1.1
Hexane	18	37	47
2-Hexanone (MBK)	2	<0.41	<0.41
Isopropanol	13	12	19
Methyl tert-Butyl Ether (MTBE)	6.4	9.4	15
Methylene Chloride	3.9	4.3	3.7
4-Methyl-2-pentanone (MIBK)	9.3	8.2	9.8
Propene	85	21	<1.7
Styrene	0.77	0.93	0.95
1,1,2,2-Tetrachloroethane	<0.69	<0.69	<0.69
Tetrachloroethylene	0.83	8.6	0.94
Tetrahydrofuran	47	50	71
Toluene	42	65	68
1,2,4-Trichlorobenzene	<0.74	<0.74	<0.74
1,1,1-Trichloroethane	<0.55	<0.55	<0.55
1,1,2-Trichloroethane	<0.55	<0.55	<0.55
Trichloroethylene	<0.54	3.2	<0.54
Trichlorofluoromethane (Freon)	2.3	2	2
1,1,2-Trichloro-1,2,2-trifluoroethane	0.78	<0.77	<0.77
1,2,4-Trimethylbenzene	19	29	27
1,3,5-Trimethylbenzene	5.6	8.8	8
Vinyl Acetate	<0.35	<0.35	<0.35
Vinyl Chloride	<0.26	<0.26	<0.26
m&p-Xylene	25	43	44
o-Xylene	13	21	21

All concentrations are in micrograms per cubic meter (ug/M3)

Bold & Yellow Highlight = Monitoring Recommended

Bold & Yellow Highlight = Mitigation Recommended

Table 4

Groundwater Level Data

Monitoring Well ID No.	Date	Elevation (ft)
MW-1	7-8-11	8.46' bgs

Table 5 Analytical Methods Summary

Matrix	Number of Samples	Analytical parameters measured	Analytical methods	Number of duplicate samples	Number and type of QA/QC samples
Soil	4	VOCs, PAH SVOCs, PCBs, TAL Metals	8260, 8270, 8081, 6010	1	1
Groundwater	1	VOCs, PAH SVOCs, PCBs, TAL Metals	8260, 8270, 8081, 6010	0	0
Soil vapor	3	VOCs	TO-15	0	0

Table 6 Groundwater Sampling Logs

Well ID Number	Date, Start & End Time	Purge Method	purge Rate(s)	Total Volume Purged	pH	Dissolved Oxygen	Temperature	Specific Conductance	Depth from the top of the casing to the water after purging
MW-1	7-8-11 12:15	Peristaltic Pump	300 ml/minute	4 gallons	5.9	12.99	14.4 C	0	7.5 feet

Appendices

APPENDIX A

Phase I Report



PHASE I
ENVIRONMENTAL
SITE ASSESSMENT

**VACANT PROPERTY
67 BRIGHTON 1ST LANE
BROOKLYN, NEW YORK 11235**

PREPARED FOR:

**SCARANO REALTY, LLC
C/O SCARANO & ASSOCIATES ARCHITECTS
110 YORK STREET # 5
BROOKLYN, NEW YORK 11201 - 1446**

PREPARED BY:

**LAUREL ENVIRONMENTAL ASSOCIATES, LTD.
53 WEST HILLS ROAD, SUITE 1
HUNTINGTON STATION, NEW YORK**

**JULY 18, 2011
LEA PROJECT # 11-256**



67 Brighton 1st Lane, Brooklyn, New York

**LAUREL ENVIRONMENTAL ASSOCIATES, LTD.
ENVIRONMENTAL CERTIFICATION**

LEA Project ID #: 11-256

Report: Phase I Environmental Site Assessment, ASTM E1527-05

Inspection Date: July 5, 2011

Resource Date: July 2011

Report Date: July 18, 2011

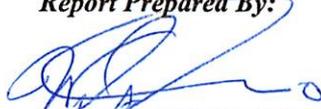
Site: 67 Brighton 1st Lane, Brooklyn, New York 11235
Located on the north side of Brighton 1st Lane east of Brighton 1st Street
and west of Brighton 1st Place

Weather Conditions: 92° F, Sunny, clear skies

Inspection Limitations: The lot was inaccessible due to a locked chain linked fence that blocked
the entrance of the property.

Client: Scarano Realty, LLC

Report Prepared By:



Wala A. Canario
Geologist



Carla M. Sullivan, QA/QC
VP, Senior Geologist

ENVIRONMENTAL PROFESSIONAL CERTIFICATION

I declare that, to the best of my professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in § 312.10 of 40 Code of Federal Regulations (CFR) 312.

The Environmental Professional who directed this project has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



EXECUTIVE SUMMARY AND FINDINGS

On-site:

1. The subject property is currently vacant and as such does not support any structures. The subject property is relatively flat and fronts along Brighton 1st Lane, located in a residential area of Kings County, New York. Due to the vacancy of the property, no utilities are delivered to the property.
2. According to Sanborn Fire Insurance Maps, the subject property was originally constructed with a one-story dwelling sometime between 1920 and 1930. The property remained as such until it was vacated and the building demolished circa 2007.
3. Housekeeping was noted to be poor throughout the property. There is debris consisting of brick, concrete, and cement, as well as additional materials, spread throughout the property.
4. There was no evidence of a current or former private septic system or cesspool at the subject property. Former on-site sanitary waste was most likely handled by municipal sewer supplied by the City of New York. In addition, there was no evidence of any pits, ponds, or lagoons used in connection with waste treatment or waste disposal.
5. No fill ports and/or vent pipes, which indicate the presence of USTs or ASTs, were noted at the subject property at the time of the site inspection. Based upon our site reconnaissance, interviews, and review of state and local records, **LEA** identified no evidence of existing USTs or ASTs at the subject property.
6. An inspection of the subject property by **LEA** did not observe the presence of wetlands within its boundaries. Rockaway Inlet, which is an estuarine-marine wetland, is located within a ¼-mile radius of the subject property, approximately 1,346 feet, south, hydraulically down-gradient from the subject property.
7. A client supplied geotechnical boring log, completed in 2007, indicated fill, sand gravel, and cinders to a depth of seven feet below grade. This is considered urban fill.

Off-site:

1. There are two listed IHWD sites within a one-mile radius of the subject property. Dangman Park MGP, ID #2244047, located 1,787 feet hydraulically side-gradient from the subject property, and K – Coney Island MGP, ID #224026, located 3,720 feet hydraulically side-gradient from the subject property. Due to the hydraulically side -gradient location of these sites, relative to the subject property, neither should pose a recognized environmental condition.
2. There is one site listed as Brownfields site within a one-mile radius of the subject property. K – Dangman Park MGP, ID #57385, is located 1,823 feet hydraulically side-gradient relative to the subject property. The site has been deleted, although the last document provided showed the site's remediation was in progress. Due to the status and hydraulic location, relative to the subject property, this site should not present a recognized environmental condition.

3. There are two active NYSDEC listed spills and two listed leaking USTs located within a ½-mile radius of the subject property. Due to the hydraulically up-gradient location, Spill #9802275 associated with the Shell Station may present a recognized environmental condition. Due to the geographic and hydraulic location, relative to the subject property, magnitude of spill and/or resource affected, the other spill should not present a recognized environmental condition.
4. There is one site located within a ¼-mile of the subject property listed as an Air Discharge Site. Trump Village Sec 2, Inc., ID #36047P000Q, located 658 feet to the west of the subject property, is listed as in compliance for the potential uncontrolled emissions of Nitrogen Dioxide. Due to the resource affected and lack of traceability, no determination can be made as to the environmental threat to the subject property, though the presence of an Air Discharge Facility on-site may present a recognized environmental condition.

Based on the findings of this investigation, **Laurel Environmental Associates, Ltd. (LEA)** has discovered the following recognized environmental conditions at the subject property, 67 Brighton 1st Lane, Brooklyn, New York.

Recognized Environmental Conditions

- Urban fill and construction debris
- Possible historical USTs or ASTs at site
- Possible groundwater contamination from off-site source

Potential Impacts

Moderate Risk
 Moderate Risk
 Moderate Risk

EXECUTIVE RECOMMENDATIONS

Based on the above conclusions **LEA** recommends the following:

1. Conduct a geophysical survey of the property to identify tanks and anomalies.
2. Conduct continuous soil borings at three locations at the property to a depth of ten feet below grade. Field-screen the samples and select samples from 0'-2' below grade and from a 2' interval below obvious signs of contamination to establish a clean depth. Analyze for VOCs, SVOCs, Metals and PCBs
3. Collect one or more groundwater samples at the using pre-pack direct push wells. Analyze for VOCs, SVOCs, Metals and PCBs.
4. Collect three soil vapor samples from a depth of four feet, just below the proposed base of construction. Analyze for VOCs using method TO-15.
5. Review results and compare to the appropriate regulatory standards and guidelines.



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REPORT SPECIFICATIONS

This report contains (59) pages of text.

Copies and circulation of this report are as follows:

Two bound copies and one electronic copy to, Mr. Robert Scarano

One copy in the confidential client file at *Laurel Environmental Associates, Ltd.*

This report is prepared for the exclusive use of the principal(s) noted above and is considered private and confidential. *LEA* shall not release this report or any of the findings of this report to any person or agency except with the authorization of the named principal(s).

The accuracy of the findings obtained through this environmental audit was considered to be of paramount importance during the formulation of this report. However, the accuracy of this report is limited to the information available from interviews, records, and plans released by the property owner or his representatives, and the respective regulatory agencies; their attorneys and information officers, whose interest in issues presented herein is unknown to *LEA*.



1.0 INTRODUCTION

Laurel Environmental Associates, Ltd. was retained by Scarano Realty, LLC to conduct a Phase I Environmental Site Assessment (ESA) of the vacant property located at 67 Brighton 1st Lane, Brooklyn, New York (please see Figure 1.0, Site Location).

The purpose of this Phase I ESA is to determine if any recognized environmental conditions exist within the property in question. Recognized Environmental Conditions (RECs) would include, but not be limited to: hazardous/toxic wastes or raw chemicals stored, dumped, or spilled on the site; underground storage of hazardous materials; friable asbestos in building materials/structures; and identification of potential off-site sources of hazardous waste contamination, such as industrial facilities adjoining the subject site.

The conclusions of this Phase I ESA are based on findings at the time of *LEA*'s site visit and review of readily ascertainable historical records, regulatory documents, and databases made available within a reasonable time period. Due to limited availability, *LEA* is not able to make any determinations with respect to portions of the subject property and structures which were not inspected or regulatory documents not provided within a timely fashion.

1.1 ASTM STANDARD PRACTICE E-1527-05

1.1.1 Purpose

The purpose of the American Society for Testing and Material (ASTM) Standard Practice for Environmental Site Assessments, E-1527-05, as well as Practice E-1528-06, is to define good commercial and customary practice in the United States of America for conducting an *ESA* of a parcel of *commercial real estate* with respect to the range of contaminants within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and *petroleum products*. As such, this practice is intended to permit a *user* to satisfy one of the requirements to qualify for the *innocent landowner defense* to CERCLA liability: that is, the practices that constitute "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 USC § 9601(35)(B). An evaluation of *business environmental risk* associated with a parcel of commercial real estate may necessitate investigation beyond that identified in this practice.

1.1.2 Definition of Recognized Environmental Conditions

In defining a standard of good commercial and customary practice for conducting an *environmental site assessment* of a parcel of *property*, the goal of the processes established by this practice is to identify *recognized environmental conditions*. The term *recognized 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 minimis* 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 minimis* are not *recognized environmental conditions*.

It is not generally within the scope of this report to perform intrusive or aggressive testing of suspect materials observed at the site. Materials will be identified as environmentally suspect; however, a representative sampling procedure is required to fully assess the occurrence of the following materials: electrical devices containing Poly-Chlorinated Biphenyls (PCBs); the presence of radon gas; lead-based paint; asbestos containing materials; and mold.

1.2 SCOPE OF WORK

To complete the Environmental Site Assessment, the following tasks were performed in conformance with American Society for Testing and Material (ASTM) Standard Practice for Environmental Site Assessments, E-1527-05:

1. A detailed walk-through inspection of the subject property or representative areas of the property.
2. An interview with the site representative, owner, and/or facility manager concerning past and/or present operations conducted at the subject property was not made available as the inspection was conducted unassisted.
3. Comparison of fair market value and listed sale price the sales price and appraisal were not disclosed to *LEA*.
4. An environmental lien search was not provided by the client.
5. The presence of suspect asbestos containing materials (ACM) were noted.
6. The presence of suspect lead-based paints were noted.
7. A review of New York City building department, fire marshal, and/or tax assessor's office records to identify past owners, possible uses of the property, and construction details.
8. A review of state and federal regulatory agency documents concerning the location of known hazardous waste sites within proximity of the subject property.
9. A review of files/documents maintained by state and local regulatory agencies to investigate potential environmental hazards associated with the subject property when such information exists.
10. Major sources of electromagnetic fields were identified.
11. Identification of surrounding property use.
12. A review of City Directories.
13. Sanborn Fire Insurance Maps review from 1895 to 2007.
14. A review of a historical aerial photograph from 1994.
15. A review of a historical topographical map from 1891.
16. An identification of data failure and gaps.
17. Approximate the depth to groundwater and direction of regional groundwater flow beneath the subject property.
18. List recommendations for further study, as required (added to standard ASTM scope of work).

Findings, conclusions, and recommendations presented in Sections 8.0 through 10.0 (pages 42 through 46), are based on the careful consideration of the results of the above research. Any recommendations made are formulated with respect to maintaining or protecting the collateral value of the property and providing protection from toxic tort lawsuits.

Business environmental risk can have a material or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate. It is not necessarily limited to those environmental issues required to be investigated in the ASTM Standard Practice for Environmental Site Assessments, E-1527-05. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations, some of which are identified on the following page.

There may be environmental issues or conditions at the subject property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice. As noted by the legal analysis in Appendix X1 of the ASTM Standard Practice for Environmental Site Assessments, E-1527-05, some substances may be present on a property but are not included in CERCLA's definition of hazardous substances (42 USC § 9601(14)) or do not otherwise present potential CERCLA liability. In any case, they are beyond the scope of this report. The following listed concerns are several non-scope considerations that entities may want to assess in connection with commercial real estate. No implication is intended as to the relative importance of inquiry into such non-scope considerations and this list of non-scope considerations is not intended to be all-inclusive, but can be completed upon request.

- 1) Lead in Drinking Water
- 2) Regulatory Compliance
- 3) Cultural and Historical Resources
- 4) Industrial Hygiene
- 5) Health and Safety
- 6) Ecological Resources
- 7) Endangered Species
- 8) Indoor Air Quality, and
- 9) Mold Sampling of Air and Surfaces

1.3 CONFLICT CERTIFICATION

Laurel Environmental Associates, Ltd. has no present or contemplated future ownership interest or financial interest in the real estate that is the subject of this Environmental Assessment Report. *LEA* has no personal interest with respect to the subject matter of the Environmental Site Assessment or the parties involved, and *LEA* has no relationship with the property or the owners thereof which would prevent an independent and unbiased analysis of the environmental or other conditions of the property.

1.4 VIABILITY OF PHASE I ESA

An updated Phase I ESA should be performed if it appears that the property transaction will not close by the Phase I ESA Report Viability Date. Pursuant to Section 4.6 of ASTM E1527-05, Phase I ESAs are considered viable for 180 days. In calculating the Report Viability Date, *LEA* used the date that was the earliest of the following four tasks: the interview of those present owners identified in Section 10 of ASTM E1527-05, the government record review, and the visual inspection of the subject property and adjoining properties.

1.5 SIGNIFICANT ASSUMPTIONS

Information regarding the subject property was reasonably ascertainable and therefore, no significant assumptions have been made, unless otherwise noted in a specific section of this report.



1.6 USER RELIANCE

This report was prepared solely for the use of the client, Scarano Realty, LLC, and is not intended for use by third parties. Unauthorized third parties shall indemnify and hold **LEA** harmless against any liability for any loss arising out of, or related to, reliance by any third party on any work performed hereunder, or the contents of this report.

1.7 DATA GAPS

Any data gaps identified herein, as defined by ASTM Practice E 1527-05 § 3.2.20, are not considered to have significantly affected the ability to identify recognized environmental conditions in connection with the subject property and do not alter the conclusions of this report.

LIMITATIONS

To the best of **LEA's** knowledge, the information contained in this report is true and accurate. Due diligence has been exercised by **LEA** personnel in the compilation of the information contained herein, appropriate to environmental professionals engaged in investigations of this sort. **LEA** makes no guarantees regarding the accuracy of information gained from other sources.

The subject property location and boundaries as understood by **LEA** are depicted in the maps appended to this report. It is the responsibility of the reader to verify that the location and boundaries depicted herein are correct.

1.9 SITE DETAILS AND INSPECTION OVERVIEW

Site Details and Inspection Overview [†]		
Site Address	67 Brighton 1 st Lane, Brooklyn, New York	
Cross Streets	Brighton 1 st Street and Brighton 1 st Place	
Site Owner	Pensco Trust Company	
Site Occupant	Vacant	
Tax Lot	Block: 8670 Lot: 80	
Municipality	Kings County – Brighton Beach	
Zoning	Residential and Commercial	
USGS Quadrangle	Coney Island	
Physical Location	Latitude 40° 34' 37.93" North Longitude 73° 57' 59.88" West	
NAICS Code Usage	82,288 – Currently the property is vacant, past building was a dwelling	
Land Size	Approximately 2,025 square feet	
Building Footprint	N/A - vacant property	
Site Elevation	9 feet	
Site Topography	Generally flat	
# of Structures	N/A	
Date of Construction	N/A	
Basement	N/A	
Current Heating System	N/A	
Former Heating System	Assumed to be: Oil-fired	
Utilities (previously supplied)	Electric	Consolidated Edison
	Natural Gas	Consolidated Edison
	Water	New York City Water District
	Sanitary System	Municipal
UIC structures	None	
Chemical Storage*	None	
Drum Storage	None	
Petroleum Storage Tanks	None found	
Suspect Asbestos	None found	
Water Damage/Mold Growth	None found within areas inspected	

[†]Based on areas available for inspection, not all areas may have been accessible.

*Other than typical housekeeping and/or janitorial supplies.

2.0 SITE DESCRIPTION

Wala A. Canario, a **LEA** Geologist and site inspector, and Christopher Connolly, **LEA** Environmental Scientist and site inspector, completed the inspection of the subject property on July 5, 2011. The inspection was conducted unassisted. The property was walked through and any indication of an environmental hazard was noted. Operations conducted at the subject property were observed, photographs were taken of the subject property, associated structures, and adjoining properties. Please refer to Appendix A of this report.

2.1 BUILDING AND PROPERTY INSPECTION

The subject property is currently vacant and as such does not support any structures. The subject property is relatively flat and front along Brighton 1st Lane, located in a residential area of, Kings County, New York. Due to the vacancy of the property, no utilities are delivered to the property.

2.2 GENERAL HOUSEKEEPING PRACTICES

Housekeeping was noted to be poor throughout the property. There is debris consisting of brick, concrete, and cement, as well as additional materials spread throughout the property.

2.3 VEGETATION

The subject property was noted to have little weeded vegetation spread sporadically throughout the property.

2.4 CLASS V INJECTION WELLS

Class V injection wells are used to inject non-hazardous fluids underground. Most Class V wells are used to dispose of wastes into or above underground sources of drinking water and can pose a threat to groundwater quality, if not managed properly. Most Class V wells are shallow disposal systems that depend on gravity to drain fluids directly into the ground. There are over 20 well sub-types that fall into the Class V category and these wells are used by individuals and businesses to inject a variety of non-hazardous fluids underground. The United States Environmental Protection Agency (USEPA) estimates that there are more than 650,000 Class V wells in operation nationwide. Most of these Class V wells are unsophisticated shallow disposal systems that include storm water drainage wells, cesspools, and septic system leach fields. However, the Class V well category also includes more complex wells that are typically deeper and are often used at commercial and/or industrial facilities.

Other more sophisticated Class V well types could include aquifer storage and recovery wells or geothermal electric power wells - that are used to inject geothermal fluids extracted from subsurface hydrothermal systems. Complex Class V wells also include wells that are used for pilot Geologic Sequestration (GS) projects that are experimental in nature. On December 10, 2010, the USEPA finalized regulations for GS projects. These new regulations include the creation of a new class of wells, Class VI. The USEPA understands that some of the wells permitted as Class V experimental technology wells may no longer be used for experimental purposes. Following the final rule, Class V wells that are not being used for experimental purposes must be re-permitted as Class VI wells and will be subject to Class VI requirements.

Class V wells are a concern because they pose a risk to underground sources of drinking water. Because of this they are regulated by the Underground Injection Control (UIC) program under the Authority of the Safe Drinking Water Act.

2.4.1 Septic Systems

There was no evidence of a current or former private septic system or cesspool at the subject property. Former on-site sanitary waste was most likely handled by municipal sewer supplied by the City of New York. In addition, there was no evidence of any pits, ponds, or lagoons used in connection with waste treatment or waste disposal.

2.4.2 Storm Water Drainage

Storm water and roof run-off is handled by natural drainage into the soil and runoff to Brighton 1st lane

2.4.3 Floor Drains

No floor drains are present, due to the vacancy of the property.

2.5 CURRENT SITE OPERATIONS

The subject property was vacated in approximately 2007, and has remained as such since.

2.6 PAST SITE OPERATIONS

According to Sanborn Fire Insurance Maps, the subject property was originally constructed with a one-story dwelling sometime between 1920 and 1930. The property remained as such until it was vacated, and the building demolished, circa 2007.

2.7 CHEMICAL USE AND STORAGE

No chemical storage was noted within the subject property.

2.7.1 Biohazardous Waste

No Biohazardous waste is generated or stored at the subject property

2.8 DRUM STORAGE

No drum storage was noted during the site inspection

2.9 UNDERGROUND AND ABOVEGROUND STORAGE TANKS

The subject property was inspected for tank fill ports, vent pipes, and other signs of aboveground storage tanks (ASTs) and/or underground storage tanks (USTs). No fill ports and/or vent pipes, which indicate the presence of USTs or ASTs, were noted at the subject property at the time of the site inspection. Based upon our site reconnaissance, interviews, and review of state and local records, **LEA** identified no evidence of existing USTs or ASTs at the subject property.

2.9.1 Emergency Generators

No emergency generators and associated tanks were observed during our site reconnaissance

2.10 PCBs IN ELECTRICAL TRANSFORMERS AND FLUORESCENT LIGHTING BALLASTS

There are three types of transformers defined in the Poly-Chlorinated Biphenyls (PCBs) regulations:

- ◆ PCB Transformer: Any transformer containing 500 parts per million (ppm) PCBs or greater.
- ◆ Non-PCB Transformer: Any transformer containing less than 50 ppm PCBs.
- ◆ PCB Contaminated Transformer: Any transformer containing 50-499 ppm PCBs. These transformers are not subject to parts of the regulations, such as marking requirements, and if drained of liquid, to disposal requirements. Any liquid drained from these transformers must be stored and disposed of in accordance with the regulations.

Transformers often contain dielectric liquid for the primary purpose of increasing resistance of the unit to arcing and acting as a heat transfer media, helping to cool the coils. The majority of transformers are filled with mineral oil, but a small percentage of these liquid-filled transformers contain PCB Askarel coolant liquid. The term “Askarel” is a generic term used for a group of nonflammable synthetic chlorinated hydrocarbons. All types of Askarels sold prior to 1979 contained 60 to 100 percent PCBs. Askarel transformers were manufactured in a variety of sizes, i.e. 3 to 3,000 gallons of PCB liquid, and are generally used in hazardous locations where flammability is of concern. PCB transformers are no longer produced because of the USEPA ban on the manufacture of new equipment containing PCBs.

Prior to the banning of PCB manufacturing in 1976, the compounds were used in small amounts during the production of fluorescent light ballasts. According to USEPA regulations, light ballasts containing less than three pounds of PCBs are exempt from special hazardous waste transportation and disposal and may be disposed of as municipal wastes; however, removal is not required by law. To determine if the light ballasts contain PCBs, the light fixtures would have to be dismantled, the make and model number obtained, and the manufacturer contacted. If the lighting is to remain, maintenance personnel should be advised of the possibility that the ballasts may contain PCBs. Workers should exercise caution when handling the ballasts, taking care not to cause leaks. Protective gloves and clothing should be worn when handling ballasts.

There are no pads or pole-mounted transformers located at the subject property.

2.11 FRIABLE AND NON-FRIABLE SUSPECT ASBESTOS CONTAINING MATERIALS

The USEPA designated material containing more than 1% asbestos to be considered as an Asbestos Containing Material (ACM). Where asbestos containing material is determined to be “Friable” (capable of being crushed by hand pressure and having a high potential to release airborne fibers), it is the recommendation of the USEPA that strong response action be taken. Such actions may take the form of removal, encapsulating, repair, enclosure, or an operations and maintenance program. The response action is determined depending on the severity and nature of the individual problem.

No friable or non-friable suspect asbestos containing materials were noted during the condition.

A full asbestos inspection was not completed, as it is beyond the scope of this report. Based on *LEA's* limited observations, as the majority of the suspected ACMs were not friable or greatly damaged, the material can remain in place. If analyzed samples are found to contain asbestos, abatement and/or repair would be warranted. Should significant renovations or demolition be anticipated, state and federal regulations require an asbestos survey and proper handling and disposal of ACMs.

2.12 SUSPECT LEAD-BASED PAINT

Use of lead in household paint was banned by the USEPA effective January 1, 1978. The USEPA and the U.S. Department of Housing and Urban Development (HUD) consider lead-based paint as containing a lead concentration equal to or greater than 1.0 milligram per square centimeter (mg/cm²) or 0.5% lead by weight, as defined by Title X of the 1992 Housing and Community Development Act.

There are no painted surfaces, therefore no lead based paint was observed at the subject site during *LEA's* site inspection.

2.13 WATER DAMAGE AND MOLD GROWTH

Humidity or wetness, caused by water leaks, spills from plumbing failures, or condensation, can cause mold growth on interior and exterior surfaces; including but not limited to walls, ceilings, carpets, or furniture. Mold is a living organism that produces mold spores through reproduction. These spores are tiny particles that drift through the air until finding wet, humid areas in which they thrive. Although mold does not affect everyone it can cause health problems when inhaled. Mold can trigger asthma attacks, and some produce toxins that may be hazardous if people are exposed to large quantities of these molds. Mold spores and related *mycotoxins* can also pose a serious health threat to individuals who have compromised immune systems.

A full mold inspection was not requested or completed as part of this assessment, as it is beyond the scope of this report. Based on *LEA's* limited observations, there was no visible evidence of mold and/or mold related odors at the time of the site inspection. It should be noted that mold may be present in hidden areas not observed during *LEA's* site reconnaissance. Of particular concern would be areas that experience water damage and areas of high humidity. Caution should be taken following any future water release within the subject building. Water leaks and water damage should be addressed immediately to help prevent the formation of mold spores. Visual evidence of mold should be addressed immediately by professional remediation contractors hired to address such issues.

2.14 WETLANDS AND NYSDEC ECOLOGICAL ZONE

For regulatory purposes under the Clean Water Act, the term wetlands means "those areas that are inundated or saturated by surface water or groundwater at a frequency and duration sufficient to support and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include streams, swamps, marshes, bogs, and similar areas". The New York State Official Tidal Wetlands Inventory is maintained by the New York State Department of Environmental Conservation (NYSDEC) Bureau of Marine Resources in the Tidal Wetlands Inventory and Geographic Information System (GIS) Unit. The statutory definition of a tidal wetland can be found in New York's Environmental Conservation Law, Article 25, entitled "Tidal Wetlands Act."

According to maps provided by the NYSDEC, the subject property does not reside within a fresh water or tidal wetlands area. An inspection of the subject property by **LEA** did not observe the presence of wetlands within its boundaries. Rockaway Inlet which is an estuarine-marine wetland is located within a ¼-mile radius of the subject property, approximately 1,346 feet, south, hydraulically down-gradient.



ZONE I - COASTAL LOWLANDS

Geology	This zone is a terminal moraine of the great ice sheet. Topographic relief is low.
Elevation	Ranges from sea level to 200 feet
Soils	The soils are glacial outwash and deltaic sands medium to moderately coarse-textured on gravel and recent alluvium. The soils tend to be strongly acid and are of low fertility.
Vegetation	All of the Coastal Lowlands are included in the oak natural vegetation zone. Much of the forest is scrubby due to the poor soils. Oak is the principal hardwood tree, while pitch pine is the principal conifer.
Land Use	This zone continues to experience a rapid expansion of urban and suburban development.

This Data Set shows boundaries of the Ecological Regions (Ecozones) of New York State and has been modified by **LEA**.

2.15 RADON

Radon is a heavy, colorless, odorless, radioactive gas formed by the radioactive decay of radium. Radon is associated with specific geologic formations that contain granite, uranium minerals, certain shales, and phosphate related minerals. Radon, being a gas, can migrate to and accumulate in confined spaces such as building basements. Continued exposure to radon gas has been associated with increased lung cancer risk and possible genetic damage.

The USEPA has set a maximum action level of 4 picocuries per liter (pCi/l) in air. At concentrations above this level, the USEPA recommends remedial measures to lower the concentrations.

According to monitoring data completed by the NYS Department of Health, Bureau of Radiation Protection, the Kings County has an average indoor radon concentration of 1.7 pCi/l. Given this information, radon is not considered a significant environmental concern within the subject building.

2.16 ELECTROMAGNETIC FIELDS

Although there are currently no regulations concerning the proximity of residential structures to major sources of electromagnetic fields (EMFs) such as overhead high tension wires, high levels of EMFs are an unresolved public health issue. Some recent studies have linked the presence of elevated EMFs to an increased risk of certain cancers and other illnesses. Although studies are ongoing and no definitive conclusions have been reached, the existing evidence indicates that potential health risks may exist for individuals who are exposed to these fields. In any case, the general perception of a risk associated with major sources of EMFs can reduce the marketability and value of real estate.

No high tension wires or substations were noted on or adjacent to the subject property.

2.17 NEIGHBORING PROPERTIES

The properties surrounding the subject site are residential in nature. Property usage directly adjoining or nearby is as follows:

<u>North of the subject site:</u>	<u>Current Usage</u>	<u>Past Usage</u>
• Dwelling , adjoining	Residential	Residential
• Brighton 1 st Terrace	Walkway	Walkway
<u>South of the subject site:</u>		
• Dwelling , adjoining	Residential	Residential
• Brighton 1 st Lane	Walkway	Walkway
<u>East of the subject site:</u>		
• Dwelling, adjoining	Residential	Residential
• Brighton 1 st Place	Roadway	Roadway
<u>West of the subject site:</u>		
• Construction site, adjoining	Under construction	Residential
• Brighton 1 st Street	Roadway	Roadway

Due to the benign nature of the surrounding properties, they should not have the potential to present a recognized environmental condition at the subject property. None of the adjoining properties are currently associated with any NYSDEC or USEPA Superfund List, and therefore none of these sites should present a recognized environmental condition to the subject property

3.0 CLIENT PROVIDED DOCUMENTS

The following section summarizes information provided by the client, Scarano Realty, LLC, with regard to this Phase I ESA. Additionally, the ASTM Questionnaire was forwarded to the designated client contact. The Questionnaire has not been completed and returned to our offices; however **LEA** staff completed the Questionnaire pertaining to the site inspection, which can be found in Appendix F of this report. The Questionnaire is intended to assist in gathering information that may be pertinent to identifying recognized environmental conditions relating to the subject property.

3.1 TITLE RECORDS

Land title records provide information on previous ownership of a property. Typically, deeds signifying transfer of a land parcel are recorded in county files and can be researched to determine the identity of past owners. A “Chain of Title” is a continuous record of ownership for a specific parcel. Title record information associated with the subject property has not been provided to **LEA** by Scarano Realty, LLC, and is beyond the scope of this report.

3.2 ENVIRONMENTAL LIENS, ACTIVITY, AND USE LIMITATIONS

Scarano Realty, LLC has provided no information regarding environmental liens, activity, or use limitations in connection with the subject property.

3.3 SPECIALIZED KNOWLEDGE

Scarano Realty, LLC has provided specialized knowledge that pertains to recognized environmental conditions in connection with the subject property. *LEA* was provided with previous environmental assessments or other documentation that is material to recognized environmental conditions in connection with the subject property, except as present. Specifically, a client supplied geotechnical boring log, completed in 2007, indicated fill, sand gravel, cinders to a depth of seven feet below grade. This is considered urban fill.

3.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Scarano Realty, LLC has provided *LEA* with no commonly known or reasonably ascertainable information within the local community about the environmental integrity of the subject property.

3.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

Scarano Realty, LLC has provided no information to *LEA* regarding valuation reduction for environmental issues in connection with the subject property.

3.6 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

Scarano Realty, LLC has not provided *LEA* with contact information for access to the subject property. The site inspection was conducted unassisted.

3.7 REASON FOR PERFORMING THIS PHASE I ESA

Scarano Realty, LLC retained *LEA* to complete this Phase I Environmental Site Assessment in connection with re-development of the site.

4.0 REVIEW OF REGULATORY AGENCY RECORDS AND DOCUMENTS

To determine if the subject property was listed, known, or suspected of being a hazardous waste site, federal and state databases were reviewed. In addition, a Freedom of Information Letter (FOIL) was sent to the New York City Department of Environmental Protection (NYCDEP) requesting a review of any records that may have been maintained by the agencies concerning the subject property.

The records search was conducted by Toxics Targeting, Inc. meeting the specific requirements of ASTM Standard Practice for Environmental Site Assessments, E-1527-05, including those associated with governmental databases, search distances, and data currency.

Database Reviewed	Search Radius	On-site	Off-Site
USEPA NPL	1-mile	None	None
USEPA CERCLA	½-mile	None	None
NYSDEC Inactive Hazardous Waste Disposal Sites	1-mile	None	2
NYSDEC Hazardous Substance Waste Disposal Sites	1-mile	None	None
NYS Brownfields Sites	1-mile	None	1
NYS Landfills and Solid Waste Facilities	½-mile	None	None
NYSDEC Spills	¼- mile	None	2
NYSDEC Leaking USTs or Tank Test Failures	¼-mile	None	2
NYSDEC Registered Chemical Bulk Storage Facilities	¼-mile	None	None
NYSDEC Registered Major Oil Storage Facilities	¼-mile	None	None
NYSDEC Registered Petroleum Bulk Storage Facilities	¼-mile	None	None
NYS RCRA Hazardous Waste Generators	¼-mile	None	None
USEPA RCRA Transfer, Storage and Disposal Sites	1-mile	None	None
USEPA RCRA CORRACTs Sites	1-mile	None	None
USEPA Emergency Response Notification System	On-site	None	N/A
USEPA Toxic Release Inventory Sites	¼-mile	None	None
NYS Wastewater Discharge Facilities	⅛-mile	None	None
NYS Air Discharge Sites	1-mile	None	1
USEPA Civil & Administrative Enforcement Docket Facilities	⅛-mile	None	None
Federal Engineering Control	½-mile	None	None
Tribal Lands	1-mile	None	None
Orphan Sites	On-site	None	N/A

4.1 USEPA NATIONAL PRIORITY LIST AND CERCLA SITES

4.1.1 USEPA NPL Superfund Sites

The USEPA maintains a database of unmanaged and/or forsaken hazardous waste sites. The database is known as the National Priority List (NPL). Sites included in this list are given priority by the USEPA for remedial action under the Federal Superfund Program. A particular site will be included on the NPL if it equals or exceeds an established "hazard classification system" score, or if it was designated as a top environmental priority site, in a particular State. A site is classified as an NPL site if all of the following criteria are satisfied:

1. The U.S. Department of Health & Human Services issues a health advisory recommending that people be evacuated from the site to avoid exposure.
2. The USEPA determines that the site was a potentially significant environmental hazard.
3. The USEPA determines that site remediation was more cost-effective than removal.

A review of the latest edition of the NPL, published in 2010, found that neither the subject property nor any property within a one-mile radius is listed as a NPL site.

4.1.2 USEPA CERCLA Sites

The USEPA Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 was designed to allow the federal government to directly address any potential release of hazardous waste that may endanger public health or welfare; in order to "provide for liability, compensation, clean-up, and emergency response for hazardous substances released into the environment and clean-up of inactive hazardous waste disposal sites".

Examination of the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database indicates that neither the subject site nor, any properties in a one-mile radius are listed in the CERCLIS database.

4.2 NYSDEC INACTIVE HAZARDOUS WASTE DISPOSAL SITES

The NYSDEC publishes a quarterly and annual report entitled "Inactive Hazardous Waste Disposal Sites in New York State" (IHWD), 2011, which lists all properties that have been found to contain, or are suspected of containing, significant amounts of hazardous or toxic contamination in one form or another.

A review of the annual report, quarterly updates, and reports from 1992 to 2010 indicates there are two listed IHWD sites within a one-mile radius of the subject property. These sites are located hydraulically side-gradient relative to the subject property, and as such, neither should pose a recognized environmental condition.

A synopsis of the nearby IHWD sites is as follows:

◆ **Dangman Park MGP** **ID #2244047** **1,787 feet hydraulically side-gradient**

- Confirmed soil contamination by Coal Tar, remediation in progress.

◆ **K – Coney Island MGP** **ID #224026** **3,720 feet hydraulically side-gradient**

- Confirmed groundwater & soil contamination by Acetone, Lead, Naphthalene, Toluene, Benzene, PCBs, Coal Tar, Xylene (mixed), Arsenic, Ethylbenzene, Benzene, Benz (A) Anthracene, Benzo (B) Fluoranthene, Benzo (A) Pyrene, 1, 2 Benzphenanthrene, Dibenz [A, H] Anthracene, and Benzo [K] Fluoranthene. Remediation in progress.

NYSDEC HAZARDOUS SUBSTANCE WASTE DISPOSAL SITES

The NYSDEC Hazardous Substance Waste Disposal Sites (HSWD) database was reviewed to determine if the subject property or any site located within a one-mile radius of the subject property is listed as a HSWD Site. This database lists properties that are currently under study by the NYSDEC Division of Hazardous Waste Remediation, for inclusion into the IHWD program, as described in section 4.2.

After a thorough investigation, it was determined that neither the subject property nor any property within a one-mile radius is listed as a HSWD site

4.4 NYS BROWNFIELDS SITES

The New York State (NYS) Brownfields Program was developed for sites that are abandoned, idle, or under-used industrial and/or commercial sites where expansion or redevelopment is complicated by real or perceived environmental contamination. Programs included in the 2011 Brownfields Cleanup Program (BCP) are the Voluntary Cleanup Program (VCP) and the Environmental Restoration Program (ERP).

There is one site listed as Brownfields site within a one-mile radius of the subject property. K – Dangman Park MGP, ID #57385, is located 1,823 feet hydraulically side-gradient, relative to the subject property. The site has been deleted, although the last document provided showed the site’s remediation was in progress. Due to the status and hydraulic location, relative to the subject property, this site should not present a recognized environmental condition.

4.5 NYS LANDFILLS AND SOLID WASTE FACILITIES

The database of NYS Landfills identified no such facilities located within a ½-mile radius of the subject property.

4.6 NYSDEC SPILL AND LEAKING UST FILE

The NYSDEC Spill File was investigated for records of spills and leaking USTs located within a ½-mile radius of the subject property. A summary is presented in the table below:

NYSDEC Active Spills and Leaking USTs
Brooklyn, New York, within a ½-mile radius

NYSDEC Spill #	Spill Type	Spill Name	Spill Location	Distance (feet)/ Direction from Site*
9802275	Spill to soil	Shell Station	359 Neptune Avenue	1,351/up
9600526	Leaking UST to soil	Eagle Gas	292 Neptune Avenue	1,504/side
0607564	Spill to soil	Residence	2940 West 5 th Street	1,972/side
0606160	Leaking UST to soil	New York Aquarium	801-803 Surf Ave 2986 West 8 th St	2,569/side

*Direction noted is in relation to the hydraulic gradient of the groundwater flow.

4.6.1 NYSDEC On-Site Listed Spills and Leaking Underground Storage Tanks

There are no closed or active NYSDEC listed spills or leaking underground storage tanks (USTs) located at the subject property

4.6.2 NYSDEC Off-Site Listed Spills

There are two active NYSDEC listed spills located within a ½-mile radius of the subject property. Due to its hydraulically up-gradient location, Spill #9802275, associated with the Shell Station, may present a recognized environmental condition. Due to the geographic and hydraulic location, relative to the subject property, magnitude of spill and/or resource affected, the other spill should not present a recognized environmental condition.

4.6.3 NYSDEC Off-Site Listed Leaking Underground Storage Tanks

There are two active NYSDEC listed leaking USTs located within a ½-mile radius of the subject property. Due to the geographic and hydraulic locations, relative to the subject property, magnitude of spill and/or resource affected, neither leaking UST should present a recognized environmental condition.

4.7 NYSDEC REGISTERED CHEMICAL BULK STORAGE, MAJOR OIL STORAGE, AND PETROLEUM BULK STORAGE FACILITIES

The NYSDEC publishes a listing of all registered Chemical Bulk Storage (CBS), Major Oil Storage (MOS), and Petroleum Bulk Storage (PBS) Facilities in New York State, every year. This listing was investigated to determine whether the subject property or any adjoining properties are listed as such facilities.

Neither the subject property nor any adjoining properties are listed at the NYSDEC as a CBS, MOS, or PBS Facility.

4.8 NYS AND USEPA RCRA HAZARDOUS WASTE GENERATORS, TRANSFER, STORAGE, AND DISPOSAL SITES AND CORRACT SITES

Resource Conservation and Recovery Act (RCRA) 42 U.S.C. §6901 et seq. (1976) The Resource Conservation and Recovery Act (RCRA) gives EPA the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

4.8.1 NYS and USEPA RCRA Generators

The NYS and USEPA listing of Resource Conservation and Recovery Act (RCRA) Hazardous Waste Generators, dated 2011, was reviewed to determine whether the subject property or any adjoining properties are listed as State Facilities. After a thorough investigation, it was determined that neither the subject property nor any adjoining property is listed as a RCRA Hazardous Waste Generator.

4.8.2 NYS and USEPA RCRA TSD Sites and CORRACT Sites

The NYS and USEPA 2011 listing of Resource Conservation and Recovery Act (RCRA) Facilities with Corrective Actions (CORRACTs) and the NYSDEC 2010 listing of RCRA Treatment, Storage, and Disposal (TSD) Sites was reviewed to determine whether the subject property or properties within a one-mile radius are listed as state or federal facilities. After a thorough investigation, it was determined that neither the subject property nor any property within a one-mile radius is listed as a RCRA TSD or CORRACT site.

4.9 USEPA EMERGENCY RESPONSE NOTIFICATION SYSTEM

The USEPA maintains a database of all spills to which the agency has responded. This database was investigated to determine the presence of an emergency response at the subject property.

After an investigation according to street address, it was determined that the subject property is not listed on the ERNS database.

4.10 USEPA TOXIC RELEASE INVENTORY SITES

Section (§) 313 of the Emergency Planning and Community Right-to-Know Act (also known as Title III) of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (Public Law 99-499) requires the USEPA to establish an inventory of toxic chemical emissions from certain facilities. The reporting requirement applies to owners and operators of facilities that have ten or more full-time employees that are in Standard Industrial Classification (SIC) codes 20 through 39 (i.e., manufacturing facilities) and that manufacture, import, process, or otherwise use a listed toxic chemical in excess of specified threshold quantities. Inclusion in the list does not necessarily indicate that there has been a release of a toxic material to the environment at the site, only that listed chemicals have been used.

After a thorough investigation, it was determined that neither the subject property nor any property within a ¼-mile radius is listed as a TRI Facility.

4.11 NYS WASTEWATER DISCHARGE SITES

Wastewater treatment is one of the most common forms of pollution control. Its basic function is to speed up the natural purification processes. In many instances wastewater treatment is a two-stage process. In the primary stage of wastewater treatment, solids are allowed to settle and are then removed from wastewater. The secondary stage allows biological processes to further purify wastewater. The NYSDEC database identifies nearby Wastewater Discharge Facilities.

After a thorough investigation, it was determined that neither the subject property nor any property within a 1/8-mile radius is listed as a Wastewater Discharge Site

4.12 USEPA AIR DISCHARGE SITES

The USEPA Aerometric Information Retrieval System (AIRS) database lists information on each air emission facility and indicates the type of air pollutant emission. Compliance information is also provided on each pollutant as well as the facility itself.

There is one site located within a 1/4-mile of the subject property listed as an Air Discharge Site. Trump Village Sec 2, Inc., ID #36047P000Q, located 658 feet to the west of the subject property, is listed as in compliance for the potential uncontrolled emissions of Nitrogen Dioxide. Due to the resource affected and lack of traceability, no determination can be made as to the environmental threat to the subject property, though the presence of an Air Discharge Facility on-site may present a recognized environmental condition.

4.13 USEPA CIVIL AND ADMINISTRATIVE ENFORCEMENT DOCKET FACILITIES

This Civil and Administrative Enforcement Docket database is the USEPA's system for tracking administrative and judiciary cases filed on behalf of the agency by the Department of Justice.

After a thorough investigation, it was determined that neither the subject property nor any property within a 1/8-mile radius is listed as a Civil and Administrative Enforcement Docket site

4.14 FEDERAL ENGINEERING CONTROL AND INSTITUTIONAL CONTROL REGISTRIES

The completion of site cleanup activities may include the implementation of engineering controls or institutional controls as part of the response action. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the instructional controls.

Neither the subject property nor any property located within a ½-mile radius of the subject property was identified on Federal Engineering Control or Institutional Control Registries.

4.15 TRIBAL LANDS

There are no Tribal Lands within a one-mile radius of the subject property. This was further confirmed by a search of Federal and State Tribal Land records, please refer to Figure 7.0.

4.16 ORPHAN SITES

Orphan Sites are facilities that have been identified on the Toxics Targeting Inc (TTI) Environmental Database Report; however, due to poor or inadequate address information, the facilities could not be mapped by TTI with relation to the subject property. Orphan Sites identified on the Database Report were reviewed, and none appear to be located at the subject property.

4.17 REGULATORY AGENCY DOCUMENTS REQUESTS

On July 6, 2011, **LEA** mailed a request to the New York City Department of Environmental Protection (NYCDEP) to view any records pertaining to the environmental condition of the subject property under the Freedom of Information Act (FOIA).

As of July 18, 2011, **LEA** has not yet received a response from the NYCDEP stating whether records relevant to the environmental integrity of the subject property are available. If the agency is found to maintain such records, **LEA** will forward the information in the form of an addendum to Scarano Realty, LLC.

5.0 SITE HISTORY

According to the New York City Department of Building records and Sanborn Fire Insurance Maps, past and present uses of the subject property are as follows:

- 1920 Sanborn Historical maps show the subject property to be a vacant piece of land with its property line drawn out. The surrounding properties are vacant lands with their property lines drawn out.
- 1930 Sanborn Historical maps show the subject property as a one-story dwelling. The surrounding properties are built as dwellings. The adjoining property to the east is still vacant at this time.
- 1950 Sanborn Historical maps show the subject property as a dwelling. The property to the east is no longer vacant and has a dwelling structure built on the property. There are no major changes to the other surrounding properties from the 1930 Sanborn map.
- 2007 Sanborn Historical maps show no major change of the subject property or the surrounding properties since the 1950 Sanborn map.
- 2010 Aerial photographs show the subject site property to be vacant. The surrounding properties still appear to be dwellings. According to NYC Building records job #320199673 was proposed to conduct two test pits in order to investigate the sub-soil condition. Various permits are jobs were issued involving curb cutting, zone enlargement, and excavation work from 2010 through 2011.

Historical Usage Summary:

The subject property was originally constructed sometime after 1920 and prior to 1930 as a dwelling. Sometime between 2007 and 2010 the dwelling was demolished and the property remained vacant since. Past usage of the subject site should not present a recognized environmental condition at the subject property.

5.1 SANBORN FIRE INSURANCE MAP REVIEW

Sanborn® Fire Insurance Maps are an additional source of historical use information available for most developed areas. The maps were used for insurance purposes and indicate structures by name, type of construction, property usage, and address. **LEA** contracted EDR for a search of Sanborn Fire Insurance Maps adequate for the subject property and surrounding areas. According to Sanborn Historical Maps reviewed from 1895 - 2007, past uses of the subject site and surrounding properties are as follows:

Date	Subject Property	Surrounding Properties			
		North	South	East	West
1895 To 1906	The subject property is not undeveloped – on edge of Horse Race Track.	Race Track	Undeveloped	Race Track	Undeveloped
1920	Undeveloped vacant property has property lines drawn.	Undeveloped vacant lot.	Undeveloped vacant lot	Undeveloped vacant lot	Undeveloped vacant lot
1930	Dwelling.	Dwelling	Dwelling	Empty lot	Dwelling
1950 To 2007	Dwelling.	Dwelling	Dwelling	Dwelling	Dwelling

5.3 HISTORICAL TOPOGRAPHIC MAP REVIEW

Historical Topographic Maps are an additional source of useful information regarding historical site usage. The maps are generated and updated by the United States Geological Survey (USGS). Scale for the maps ranged from 1:24,000 to 1:62,500. The general elevation of the subject site and surrounding areas was noted as approximately 9 feet above sea level. **LEA** contracted EDR for a search of Historical Topographic Maps adequate for the subject property and surrounding areas.

A review of a historical topographical map from 1891 did not show detailed information as to historical structures and usage of the subject property.

5.4 HISTORICAL AERIAL PHOTOGRAPH REVIEW

Aerial Photographs are often taken annually or bi-annually by government agencies or private entities and may be used to evaluate changes in land use patterns at specified dates to identify visible areas of potential environmental concern. A search for historical aerial photographs depicting the subject property and vicinity was conducted by EDR and *LEA*. It should be noted that the scale of the available aerial photographs precludes the distinct identification of structures and/or land uses on or in the vicinity of the subject property.

A review of an aerial photograph from 1994 showed the following:

Unfortunately the aerial photograph that was provided is not clear enough to make out any structural detail of the subject property or its adjoining properties.

5.5 NYC ACRIS RECORDS

The NYC Automated City Register Information System (ACRIS) maintains property records and document images for the five boroughs from 1966 to the present. The database was searched and is included in the table below.

Reel/Pg /File	CRFN	Lot	Partial	Recorded / Filed	Document Type	Party1	Party2	Doc Amount
	2011000223687	80	ENTIRE LOT	6/23/2011 9:39:45 AM	CERTIFICATE	KENSINGTON VANGUARD NATIONAL LAND SERVICES LLC		0
	2011000210111	80	ENTIRE LOT	6/14/2011 2:24:52 PM	ZONING LOT DESCRIPTION	PENSCO TRUST COMPANY		0
	2008000360707	80	ENTIRE LOT	9/11/2008 11:12:00 AM	SATISFACTION OF MORTGAGE	WASSERBERGER, ROSE	NYC HPD	0
	2008000223738	80	ENTIRE LOT	6/3/2008 4:37:19 PM	CORRECT INDEX/DEED-OFFICE USE	FEINSTEIN, HENRY	PENSCO TRUST COMPANY	0
	2008000196801	80	ENTIRE LOT	5/15/2008 11:51:08 AM	VACATE ORDER	CITY OF NEW YORK		0
	2007000633293	80	ENTIRE LOT	12/31/2007 1:11:42 PM	DEED	FEINSTEIN, HENRY	PENSCO TRUST COMPANY	300,000
	2007000633292	80	ENTIRE LOT	12/31/2007 1:11:41 PM	POWER OF ATTORNEY	FEINSTEIN, HENRY	FEINSTEIN, BRUCE	0
	2007000045287	80	ENTIRE LOT	1/24/2007 4:24:08 PM	JUDGMENT	CITY OF NEW YORK		0
2621/2487		80	ENTIRE LOT	10/12/1990	MORTGAGE	WASSERBERGER, ROSE	NYC HPD	19,670
459/1512		80	ENTIRE LOT	1/19/1971	DEED	WASSERBERGER ABRAHAM	WASSERBERGER ABRAHAM	0

5.6 LITTLE E DESIGNATION SITES

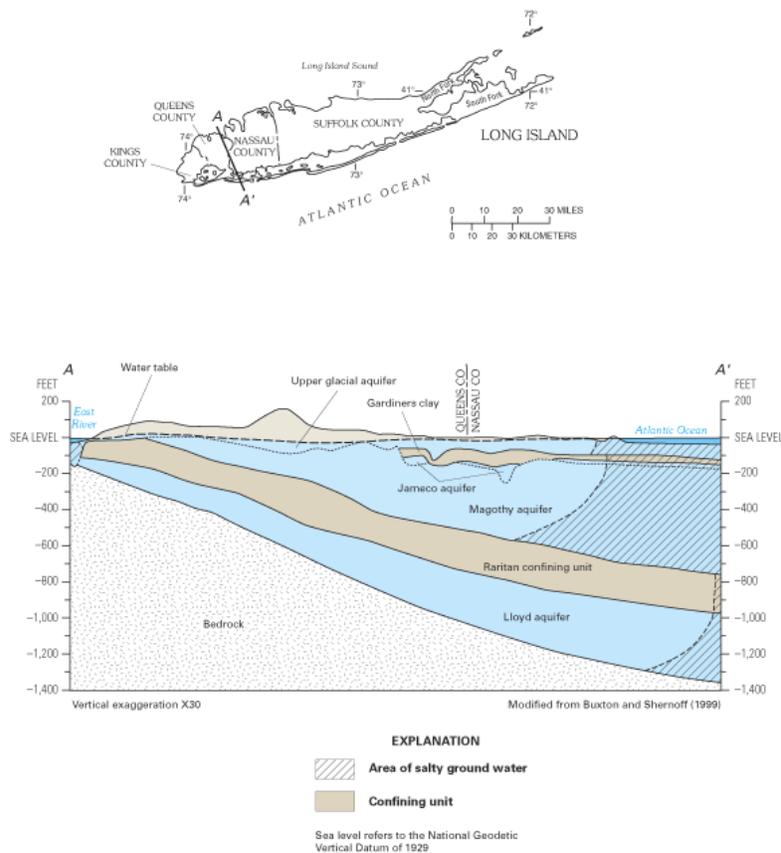
Lots designated with an “E” on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts. The NYC records were searched thoroughly and *LEA* has determined the Subject property is not designated as a Little “E” site.

6.0 FAIR MARKET VALUE

The sale price was not disclosed and therefore an evaluation of the environmental integrity of the property cannot be made based upon market value.

7.0 SITE HYDROGEOLOGY

Kings County is located in the Atlantic Coastal Plain physiographic province that is characterized by low hills of unconsolidated sands, gravel, and silt. According to Franke (1972), regionally, the near-surface sediments consist of the Upper Glacial deposits that are characterized by southward sloping deposits of sand, gravel, and silt. The Upper Glacial deposits have a maximum thickness of 600 feet. They are underlain by the Magothy, Raritan, and Lloyd Formations. The Gardeners clay and the Jameco gravel separate the Upper Glacial deposits and the Magothy Formation along the southwest portion of Long Island. Due to less surfacial contamination and higher well yields, the Magothy aquifer is the main supply for drinking and industrial water. Consequently, the USEPA has identified it as a Sole Source Aquifer. The subject site is in the Upper Glacial aquifer. Pump test data suggests hydraulic conductivity between the Magothy and Upper Glacial aquifers. However, discontinuous clay lenses may prevent this interaction in some areas.



According to groundwater contour maps provided by the NYCDEP and the NYSDEC, Topographic Quadrangles provided by the USGS, and previous work performed by **LEA** in the area, the subject property has an elevation of approximately 9 feet above mean sea level. Regional groundwater is estimated to be less than 5 feet below grade at the subject property and flowing in a southerly direction, towards the New York Lower Bay. A site specific hydrogeologic study is warranted to confirm localized on-site groundwater flow direction, which is beyond the scope of this report.

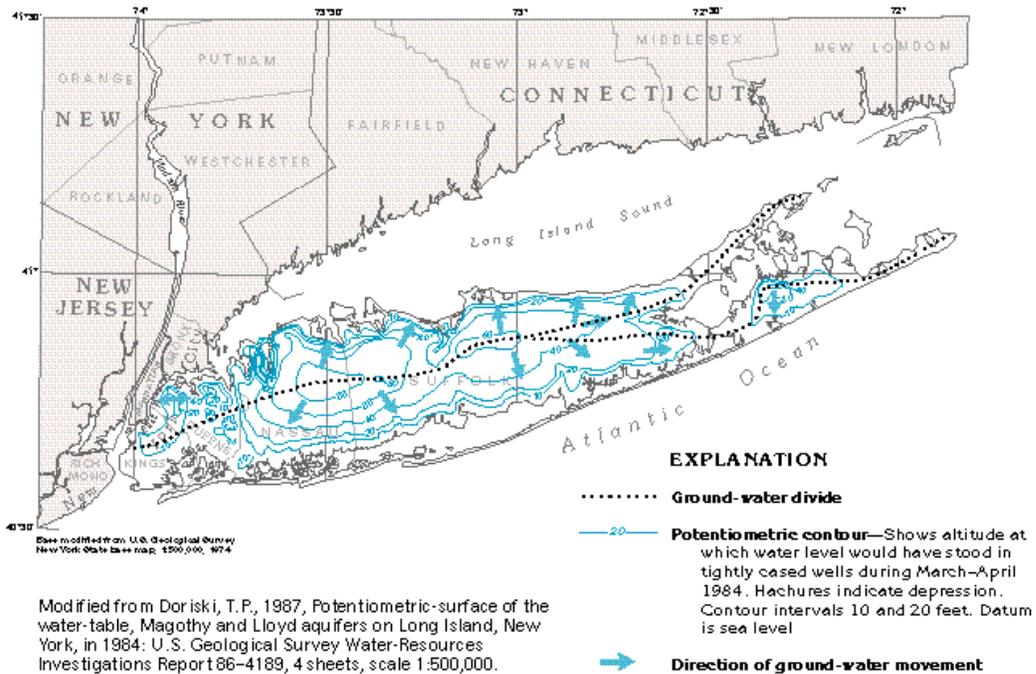


Figure 72. The potentiometric surface of the upper glacial aquifer slopes gently to the north and south from a central high, except in the western part of the island where ground-water withdrawals have lowered the water table and created cones of depression.

7.1 GROUNDWATER USE

No active drinking water wells were noted at the subject property or at any of the adjoining sites during the site inspection, although it remains possible that private wells exist. The subject building, as well as the buildings in the vicinity of the subject site, are served with municipal water from the City of New York. Groundwater is not utilized for any purpose at the subject site. **LEA** did not observe any monitoring wells at the subject property at the time of our site reconnaissance.

8.0 SUMMARY OF FINDINGS FROM RECONNAISSANCE AND RESEARCH

Based on the completion of the Phase I Environmental Site Assessment, *Laurel Environmental Associates, Ltd.* has come to the following conclusions:

- The subject property is currently vacant and as such does not support any structures. The subject property is relatively flat and front along Brighton 1st Lane, located in a residential area of, Kings County, New York. Due to the vacancy of the property, no utilities are delivered to the property.
- Housekeeping was noted to be poor throughout the property. There is debris consisting of brick, concrete, and cement, as well as additional materials spread throughout the property.
- The subject property was noted to have little weeded vegetation spread sporadically throughout the property.
- There was no evidence of a current or former private septic system or cesspool at the subject property. Former on-site sanitary waste was most likely handled by municipal sewer supplied by the City of New York. In addition, there was no evidence of any pits, ponds, or lagoons used in connection with waste treatment or waste disposal.
- Storm water and roof run-off is handled by natural drainage into the soil and runoff to Brighton 1st lane
- No floor drains are present, due to the vacancy of the property.
- The subject property was vacated in approximately 2007, and has remained as such since.
- According to Sanborn Fire Insurance Maps, the subject property was originally constructed with a one-story dwelling sometime between 1920 and 1930. The property remained as such until it was vacated, and the building demolished, circa 2007.
- No chemical storage was noted within the subject property.
- No Biohazardous waste is generated or stored at the subject property
- No drum storage was noted during the site inspection
- No fill ports and/or vent pipes, which indicate the presence of USTs or ASTs, were noted at the subject property at the time of the site inspection. Based upon our site reconnaissance, interviews, and review of state and local records, LEA identified no evidence of existing USTs or ASTs at the subject property.
- No emergency generators and associated tanks were observed during our site reconnaissance
- There are no pads or pole-mounted transformers located at the subject property.
- No friable or non-friable suspect asbestos containing materials were noted during the condition.
- There are no painted surfaces, therefore no lead based paint was observed at the subject site during LEA's site inspection.

- Based on *LEA's* limited observations, there **was no visible evidence** of mold and/or mold related odors at the time of the site inspection.
- According to maps provided by the NYSDEC, the subject property does not reside within a fresh water or tidal wetlands area. An inspection of the subject property by LEA did not observe the presence of wetlands within its boundaries. Rockaway Inlet which is an estuarine-marine wetland is located within a ¼-mile radius of the subject property, approximately 1,346 feet, south, hydraulically down-gradient.
- According to monitoring data completed by the NYS Department of Health, Bureau of Radiation Protection, the Kings County has an average indoor radon concentration of 1.7 pCi/l. Given this information, radon is not considered a significant environmental concern within the subject building.
- No high tension wires or substations were noted on or adjacent to the subject property.
- Due to the benign nature of the surrounding properties, they should not have the potential to present a recognized environmental condition at the subject property. None of the adjoining properties are currently associated with any NYSDEC or USEPA Superfund List, and therefore none of these sites should present a recognized environmental condition to the subject property
- A review of the latest edition of the NPL, published in 2010, found that neither the subject property nor any property within a one-mile radius is listed as a NPL site.
- Examination of the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database indicates that neither the subject site nor, any properties in a one-mile radius are listed in the CERCLIS database.
- A review of the annual report, quarterly updates, and reports from 1992 to 2010 indicates there are two listed IHWD sites within a one-mile radius of the subject property. These sites are located hydraulically side-gradient relative to the subject property, and as such, neither should pose a recognized environmental condition.
- After a thorough investigation, it was determined that neither the subject property nor any property within a one-mile radius is listed as a HSWD site
- There is one site listed as Brownfields site within a one-mile radius of the subject property. K – Dangman Park MGP, ID #57385, is located 1,823 feet hydraulically side-gradient, relative to the subject property. The site has been deleted, although the last document provided showed the site's remediation was in progress. Due to the status and hydraulic location, relative to the subject property, this site should not present a recognized environmental condition.
- The database of NYS Landfills identified no such facilities located within a ½-mile radius of the subject property.
- There are no closed or active NYSDEC listed spills or leaking underground storage tanks (USTs) located at the subject property
- There are two active NYSDEC listed spills located within a ½-mile radius of the subject property. Due to its hydraulically up-gradient location, Spill #9802275, associated with the Shell Station, may present a recognized environmental condition. Due to the geographic and hydraulic location,

relative to the subject property, magnitude of spill and/or resource affected, the other spill should not present a recognized environmental condition.

- There are two active NYSDEC listed leaking USTs located within a ½-mile radius of the subject property. Due to the geographic and hydraulic locations, relative to the subject property, magnitude of spill and/or resource affected, neither leaking UST should present a recognized environmental condition.
- Neither the subject property nor any adjoining properties are listed at the NYSDEC as a CBS, MOS, or PBS Facility.
- After a thorough investigation, it was determined that neither the subject property nor any adjoining property is listed as a RCRA Hazardous Waste Generator.
- After a thorough investigation, it was determined that neither the subject property nor any property within a one-mile radius is listed as a RCRA TSD or CORRACT site
- After an investigation according to street address, it was determined that the subject property is not listed on the ERNS database.
- After a thorough investigation, it was determined that neither the subject property nor any property within a ¼-mile radius is listed as a TRI Facility.
- After a thorough investigation, it was determined that neither the subject property nor any property within a ⅛-mile radius is listed as a Wastewater Discharge Site
- There is one site located within a ¼-mile of the subject property listed as an Air Discharge Site. Trump Village Sec 2, Inc., ID #36047P000Q, located 658 feet to the west of the subject property, is listed as in compliance for the potential uncontrolled emissions of Nitrogen Dioxide. Due to the resource affected and lack of traceability, no determination can be made as to the environmental threat to the subject property, though the presence of an Air Discharge Facility on-site may present a recognized environmental condition.
- After a thorough investigation, it was determined that neither the subject property nor any property within a ⅛-mile radius is listed as a Civil and Administrative Enforcement Docket site
- Neither the subject property nor any property located within a ½-mile radius of the subject property was identified on Federal Engineering Control or Institutional Control Registries.
- There are no Tribal Lands within a one-mile radius of the subject property. This was further confirmed by a search of Federal and State Tribal Land records, please refer to Figure 7.0.
- As of July 18, 2011, **LEA** has not yet received a response from the NYCDEP stating whether records relevant to the environmental integrity of the subject property are available. If the agency is found to maintain such records, **LEA** will forward the information in the form of an addendum to Scarano Realty, LLC.
- Past usage of the subject site should not present a recognized environmental condition at the subject property.
- A review of a historical topographical map from 1891 did not show detailed information as to historical structures and usage of the subject property.

- Unfortunately the aerial photograph that was provided is not clear enough to make out any structural detail of the subject property or its adjoining properties.
- The sale price was not disclosed and therefore an evaluation of the environmental integrity of the property cannot be made based upon market value.
- According to groundwater contour maps provided by the NYCDEP and the NYSDEC, Topographic Quadrangles provided by the USGS, and previous work performed by **LEA** in the area, the subject property has an elevation of approximately 9 feet above mean sea level. Regional groundwater is estimated to be less than 5 feet below grade at the subject property and flowing in a southerly direction, towards the New York Lower Bay.

9.0 CONCLUSIONS

Based on the information developed and provided as part of this Phase I Environmental Site Assessment, *LEA* has reached the following conclusions regarding recognized areas of environmental concern at the subject property, 67 Brighton 1st Lane, Brooklyn, New York:

Recognized Environmental Conditions

- Urban fill and construction debris
- Possible historical USTs or ASTs at site
- Possible groundwater contamination from off-site source

Potential Impacts

Moderate Risk
Moderate Risk
Moderate Risk

10.0 RECOMMENDATIONS

Based on the above conclusions *LEA* recommends the following:

6. Conduct a geophysical survey of the property to identify tanks and anomalies.
7. Conduct continuous soil borings at three locations at the property to a depth of ten feet below grade. Field-screen the samples and select samples from 0'-2' below grade and from a 2' interval below obvious signs of contamination to establish a clean depth. Analyze for VOCs, SVOCs, Metals and PCBs
8. Collect one or more groundwater samples at the using pre-pack direct push wells. Analyze for VOCs, SVOCs, Metals and PCBs.
9. Collect three soil vapor samples from a depth of four feet, just below the proposed base of construction. Analyze for VOCs using method TO-15.
10. Review results and compare to the appropriate regulatory standards and guidelines.

Opinion of Impacts

The environmental professionals who have conducted the site visit and reviewed the results of the data collection effort have concluded that the aforementioned are "recognized environmental conditions". The recognized environmental conditions have been quantified based on a range of qualitative impacts on the soil, water, and air resources or structures on the subject property.

As per our contractual agreement, *LEA* has provided recommendations for further study above. It is up to the user of this report, based on the individuals risk tolerance, fiduciary responsibility, or the applicable law, to determine the extent of further inquiry.

11.0 LIMITATIONS

The purpose of this investigation was to identify potential sources of contamination at the subject property and to satisfy all appropriate inquiry standards set forth in Section 9601 (35)(b) of CERCLA. The findings and conclusions set forth in this report are based upon information that was available to **LEA** during the inspection of the property and review of selected records and documents. If new information becomes available concerning the environmental integrity of the subject property after this date, or if the subject property is used 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, **LEA** cannot guarantee that the property is completely free of hazardous substances or other materials or conditions that could subject Scarano Realty, LLC to potential liability. The presence or absence of any such condition can only be confirmed through the collection and analysis of air, soil, and/or groundwater samples, which was beyond the scope of this investigation.

Limiting Conditions:

The preceding Environmental Site Assessment is subject to the following conditions and to such other conditions and limiting conditions as are set forth in the report.

1. **Laurel Environmental Associates, Ltd.** assumes no responsibility for hidden or latent conditions or misrepresentation by the property owner, his representatives, public information officials, or any authority consulted in connection with the compilation of this report.
2. This report is prepared for the sole and explicit purpose of assessing the potential liability with respect to the suspected presence of hazardous materials that may pose a potential health or environmental threat. It is also prepared for evaluating collateral risk associated with the same. This report is not intended to have any direct bearing on the value of the property.
3. The Environmental Site Assessment and the Environmental Site Assessment Report are for the sole use of the Principal Parties. No disclosure or reproduction shall be made of the preceding report without the prior written consent of **Laurel Environmental Associates, Ltd.**
4. **Laurel Environmental Associates, Ltd.** or any representative of **Laurel Environmental Associates, Ltd.** is not required to give testimony with reference to the opinions expressed herein without prior written arrangement.
5. **Laurel Environmental Associates, Ltd.** cannot be liable for information known only to the site owner or operator and not shared with **Laurel Environmental Associates, Ltd.**

12.0 TERMS AND CONDITIONS

The purpose of this Phase I Environmental Site Assessment (ESA) was to identify, to the extent feasible pursuant to the processes described herein to recognize environmental conditions, which are significant adverse environmental concerns in connection with the subject property. This practice is intended to permit the user to satisfy one of the requirements to qualify for the innocent landowner defense to CERCLA liability: that is, to undertake “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice.” It also is intended to assist the user in developing information about the environmental condition of the subject property. This Phase I ESA is site specific in that it relates only to the environmental assessment of the property indicated herein.

12.1 SPECIAL TERMS AND CONDITIONS

This Phase I ESA was prepared essentially in accordance with ASTM Standards on Environmental Site Assessments: Phase I Environmental Site Assessment Process as set forth in E1527-05. No *environmental site Assessment* can wholly eliminate uncertainty regarding the potential for *recognized environmental conditions* in connection with a *property*. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for *recognized environmental conditions* in connection with a *property*, and this practice recognizes reasonable limits of time and cost.

12.2 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

This Phase I ESA was not intended to be in strict accordance with ASTM, be all inclusive, identify all potential concerns, or eliminate the possibility that the subject property may have environmental problems. Although *Laurel Environmental Associates, Ltd.* has taken great care to identify such concerns or problems, it is possible that conditions un-permitted, undocumented, not observed, or otherwise concealed on the subject property could exist. Additional information which was not found or made available to *LEA*, may result in a modification of the conclusions and recommendations presented.

12.3 LIMITING CONDITIONS AND METHODOLOGY USED

This Phase I ESA was prepared in a manner consistent with the level of skill ordinarily exhibited by members of the environmental auditing profession in this geographic region. No representations, expressed or implied, and no warranty or guarantee is included or intended in connection with this report. *LEA* cannot be responsible for any unauthorized use of, any misrepresentation of the information, or the information contained in this report. The information contained in this report has been obtained from readily ascertainable public sources, interviews, and from visual observations of the subject property, that may have been limited by secured areas, overgrown vegetation, or by other obstructions. Although great care has been taken by *LEA* in compiling and checking the information contained in this report to ensure that it is current and accurate, *LEA* disclaims any and all liability for any errors, omissions, or inaccuracies of such information and data, whether attributable to an advertence or otherwise, and for any consequences arising there-from. It is understood that *LEA* makes no representations or warranties of any kind, including, but not limited to, the warranties of fitness for a particular purpose of merchantability, nor should any such representation or warranty be implied with

the respect to customer, it is employees or agents use thereof. **LEA** shall not be liable for any special, consequential, or exemplary damages resulting in whole or in part from customer use of the data. This report does not constitute a legal opinion.



13.0 REFERENCES

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14.0 DEFINITIONS

Abandoned Property – *property* that can be presumed to be deserted, or an intent to relinquish possession or control can be inferred from the general disrepair or lack of activity thereon such that a reasonable person could believe that there was an intent on the part of the current owner to surrender rights to the *property*.

Activity and use limitations – legal or physical restrictions or limitations on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances in the soil or ground water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls, are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or ground water on the property.

Actual knowledge – the knowledge actually possessed by an individual who is a real person, rather than an entity. Actual knowledge is to be distinguished from constructive knowledge that is knowledge imputed to an individual or entity.

Adjoining properties – any real property or properties the border of which is contiguous or partially contiguous with that of the property; or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them.

Aerial photographs – photographs taken from an aerial platform with sufficient resolution to allow identification of development and activities of areas encompassing the property. Aerial photographs are often available from government agencies or private collections unique to a local area.
See 8.3.4.1 of this practice.

All appropriate inquiry – that inquiry constituting “all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice” as defined in CERCLA, 42 USC § 9601(35) (B), that will qualify a party to a *commercial real estate* transaction for one of the threshold criteria for satisfying the LLPs to CERCLA liability (42 USC § 9601(35)(A) & (B) §9607(b) (3), §9607(q); and §9607(r)), assuming compliance with other elements of the defense.
See Appendix X1 of this practice.

Approximate minimum search distance – the area for which records must be obtained and reviewed pursuant to Section 8 subject to the limitations provided in that section. This may include areas outside the property and shall be measured from the nearest property boundary. This term is used in lieu of radius to include irregularly shaped properties.

Bona Fide prospective purchaser liability protection – (42 U.S.C. §9607(r) – a person may qualify as a bona fide prospective purchaser if, among other requirements, such person made “all appropriate inquiries into the previous ownership and uses of the facility in accordance with generally accepted good commercial and customary standards and practice.” Knowledge of contamination resulting from all appropriate inquiry would not generally preclude this liability protection. A person must make all appropriate inquiry on or before the date of purchase. The facility must have been purchased after January 11th, 2002.
See ASTM E1527-05 Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

Brownfields amendments – amendments to CERCLA pursuant to the Small Business Liability Relief and Brownfields Revitalization Act, Pub. L. No. 107-118 (2002), 42 U.S.C. §§9601 *et seq.*

Building department records – those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property. Often building department records are located in the building department of a municipality or county. See 8.3.4.7.

Commercial real estate - any real *property* except a *dwelling* or *property* with no more than four dwelling units exclusively for residential use (except that a dwelling or property with no more than four dwelling units exclusively for residential use is included in this term when it has a commercial function, as in the building of such dwelling for profit). This term includes but is not limited to undeveloped real property and real property used for industrial, retail, office, agricultural, other commercial, medical, or educational purposes; property used for residential use when it has a commercial function, as in the building of such dwellings for profit.

Commercial real estate transactions – a transfer of title to or possession of real property, except that it does not include transfer of title to or possession of real property with respect to an individual dwelling or building containing fewer than five dwelling units, nor does it include the purchase of a lot or lots to construct a dwelling for occupancy by a purchaser, but a commercial real estate transaction does include real property purchased or leased by person or entities in the business of building or developing dwelling units.

Comprehensive Environmental Response, Compensation and Liability

Information Systems (CERCLIS) – the list of sites compiled by USEPA that USEPA has investigated or is currently investigating for potential hazardous substance contamination for possible inclusion on the National Priorities List.

Construction debris – concrete, brick, asphalt, and other such building materials discarded in the construction of a building or other improvement to property.

Contaminated public wells – public wells used for drinking water that have been designated by a government entity as contaminated by hazardous substance (for example, chlorinated solvents), or as having water unsafe to drink without treatment.

Contiguous property owner liability protection-(42 U.S.C. §9607(q))-a person may qualify for the *contiguous property owner liability protection* if, among other requirements, such person owns real property that is contiguous to, and that is or may be contaminated by hazardous substance from other real property that is not owned by that person. Furthermore, such person conducted *all appropriate inquiry* at the time of acquisition of the property and did not know or have reason to know that the property was or could be contaminated by a *release* or threatened release from the contiguous property. The all appropriate inquiry must not result in knowledge of contamination. If it does, then such person did “know” or “had reason to know” of contamination and would not be eligible for the *contiguous property owner liability protection*.

See Appendix X1 for the other necessary requirements that are beyond the scope of this practice.

CORRACTS list – a list maintained by EPA of hazardous waste treatment, storage, or disposal facilities and other RCRA-regulated facilities (due to past interim status or storage of hazardous waste beyond 90 days) that have been notified by the U.S. Environmental Protection Agency to undertake corrective action under RCRA.

Data Failure – a failure to achieve the historical research objectives in 8.3.1 through 8.3.2.2 even after reviewing the standard historical sources in 8.3.4.1 through 8.3.4.8 that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.
See 8.3.2.3 of this practice.

Data gap – a lack of or inability to obtain information required by this practice 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 reconnaissance (for example, an inability to interview the key site manager, regulatory officials, etc.)
See 12.7 of this practice.

Demolition debris – concrete, brick, asphalt, and other such building materials discarded in the demolition of a building or other improvement to property.

Drum – a container (typically, but not necessarily, holding 55 gal (208 L) of liquid) that may be used to store hazardous substance or petroleum products.

Drywells – underground areas where soil has been removed and replaced with pea gravel, coarse sand, or large rocks. Dry wells are used for drainage, to control storm runoff, for the collection of spilled liquids (intentional and non-intentional) and wastewater disposal (often illegal).

Dwelling-structure or portion thereof used for residential habitation.

Engineering controls – physical modifications to a site or facility (for example, capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to hazardous substances or petroleum products in the soil or ground water on the property.

Environmental lien – a charge, security, or encumbrance upon title to a *property* to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of *hazardous substances* or *petroleum products* upon a *property*, including (but not limited to) liens imposed pursuant to CERCLA 42 USC§ §9607(1) & 9607 (r) and similar state or local laws.

ERNS list – USEPA’s emergency response notification system list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR Parts 302 and 355.

Federal Registration (FR) - publication of the United State government published daily (except for federal holidays and weekends) containing all proposed and final regulations and some other activities of the federal government. When regulations become final, they are included in the Code of Federal Regulations (CFR), as well as published in the Federal Register.

Fill dirt - dirt, soil, sand, or other earth, that is obtained off-site, which is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

Fire insurance maps – maps produced for private fire insurance map companies that indicate uses of properties at specified dates and that encompass the property. These maps are often available at local libraries, historical societies, private resellers, or from the map companies who produces them.

Good faith – the absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one’s obligations in the conduct or transaction concerned.

Hazardous substance – a substance defined as a hazardous substance pursuant to CERCLA 42 USC § 9601(14), as interpreted by USEPA regulations and the courts: “(A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, (42 USC § 6921) (but not including any waste the regulation of which under RCRA (42 USC §§ 6901 *et seq.*) has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 USC § 7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of USEPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).”

Hazardous waste – any hazardous waste having the characteristics identified under or listed pursuant to section 3001 of RCRA, as amended, (42 USC § 6921) (but not including any waste the regulation of which under RCRA (42 USC §§ 6901-6992k.) has been suspended by Act of Congress). RCRA is sometimes also identified as the Solid Waste Disposal Act. RCRA defines a hazardous waste, in 42 USC § 6903, as: “a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may- (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.”

IC/EC registries – database of institutional controls or engineering controls that may be maintained by a federal, state or local environmental agency for purposes of tracking sites that may contain residual contamination and AULs. The names for these may vary from program and state to state, and include terms such as Declaration of Environmental Use Restriction database (Arizona), list of “deed restrictions” (California), environmental real covenants list (Colorado), Brownfields site list (Indiana, Missouri, Pennsylvania).

Institutional controls – a legal or administrative restriction (for example, “deed restrictions”, restrictive covenants, easements or zoning) on the use of, or access to, a site or facility to (1) reduce or eliminate potential exposure to hazardous substances in the soil or ground water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment.

Interviews – those portions of this practice that are contained in Section 5.0 thereof and address questions to be asked of past and present owners, operators, and occupants of the property and question to be asked of local government officials.

Landfill – a place, location, tract of land, area, or premises used for disposal of solid waste as defined by state solid waste regulations. The term is synonymous with the term *solid waste disposal site* and is also known as a garbage dump, trash dump, or similar term.

Local government agencies – those agencies of municipal or county government having jurisdiction over the property. Municipal and county government agencies include but are not limited to cities, parishes, townships and similar entities.

Local street directories – directories published by private (or sometimes government) sources that show ownership, occupancy, and/or use of sites by reference to street addresses. Often local street directories are available at libraries, or historical societies, and/or local municipal offices.

See 8.3.4.6 of this practice.

LUST sites – state lists of leaking underground storage tank sites. RCRA gives USEPA and states, under cooperative agreements with USEPA, authority to clean up release from UST systems or require owner and operators to do so. (42 U.S.C. §6991b).

Major occupants – those tenants, subtenants, or other persons or entities each of which uses at least 40% of the subject property.

Material safety data sheet (MSDS) – written or printed material concerning a hazardous substance which is prepared by chemical manufacturers, importers, and employers for hazardous chemicals pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200.

National Contingency Plan (NCP) – the National Oil and Hazardous Substance Pollution Contingency Plan, found at 40 CFR Part 300 that is the USEPA's blueprint on how hazardous substances are to be cleaned up pursuant to CERCLA.

Occupants – those tenants, subtenants, or other persons or entities using the subject *property* or a portion of the subject *property*.

Owner – generally the fee owner of record of the *property*.

Petroleum exclusion – the exclusion from CERCLA liability provided in 42 USC § 9601(14), as interpreted by the courts and USEPA: “The term (hazardous substance) does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).”

Petroleum products – those substances included within the meaning of the *petroleum exclusion* to CERCLA, 42 USC § 9601(14), as interpreted by the courts and USEPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under Subparagraphs (A) through (F) of 42 USC § 9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosene, diesel oil, jet fuels, and fuel oil, pursuant to *Standard Definitions of Petroleum Statistics*.)

Pits, ponds, or lagoons – man-made or natural depressions in a ground surface that are likely to hold liquids or sludge containing *hazardous substances* or *petroleum products*. The likelihood of such liquids or sludge being present is determined by evidence of factors associated with the pit, pond, or lagoon, including, but not limited to, discolored water, distressed vegetation, or the presence of an obvious wastewater discharge.

Property – the real property that is the subject of the *environmental site assessment* described in this practice. Real property includes buildings and other fixtures and improvements located on the property and affixed to the land.

RCRA TSD Facilities – those facilities on which treatment, storage, and/or disposal of hazardous wastes take place, as defined and regulated by RCRA.

Solvent - a chemical compound that is capable of dissolving another substance and may itself be a *hazardous substance*, used in a number of manufacturing/industrial processes including but not limited to the manufacture of paints and coatings for industrial and household purposes, equipment clean-up, and surface degreasing in metal fabricating industries.

Sump – a pit, cistern, cesspool, or similar receptacle where liquids drain, collect, or are stored.

TSD facility – treatment, storage, or disposal facility (see RCRA TSD facilities).

Underground storage tanks (UST) – any tank, including underground piping connected to the tank, that is or has been used to contain *hazardous substances* or *petroleum products* and the volume of which is 10% or more beneath the surface of the ground.

Wastewater – water that (1) is or has been used in an industrial or manufacturing process, (2) conveys or has conveyed sewage, or (3) is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant. Wastewater does not include water originating on or passing through or adjacent to a site, such as storm water flows, that has not been used in industrial or manufacturing processes, has not been combined with sewage, or is not directly related to manufacturing, processing, or raw materials storage areas at an industrial plant.

14.1 ADDITIONAL DEFINITIONS – SPECIFIC TO ESA

Business environmental risk – a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of *business environmental risk* issues may involve addressing one or more non-scope considerations, some of which are identified in Section 13.

Due diligence – the process of inquiring into the environmental characteristics of a parcel of *commercial real estate* or other conditions, usually in connection with a commercial real estate transaction. The degree and kind of due diligence vary for different properties and differing purposes.

Environmental compliance audit – the investigative process to determine if the operations of an existing facility are in compliance with applicable environmental laws and regulations. This term should not be used to describe Practice E 1528 or 1527, although an environmental compliance audit may include an *environmental site assessment* or, if prior audits are available, may be part of an environmental site assessment.

Environmental professional – (1) a person who possesses sufficient specific education, training and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases (see §312.1(c)), on, at, in, or to a property, sufficient to meet the objectives and performance factors in §312.20(e) and (f). (2) Such a person must: (i) hold a current Professional Engineer's or Professional Geologist's license or registration from a state, tribe, or US territory (or the Commonwealth of Puerto Rico) and have the equivalent of three (3) years of fulltime relevant experience; or (ii) be licensed or certified by the federal government, a state, tribe, or US territory (or the Commonwealth of Puerto Rico) to perform environmental inquiries as defined in §312.21 and have the equivalent of three (3) years of full-time relevant experience; or (iii) have a Baccalaureate or higher degree from an accredited institution of higher education in a discipline of engineering or science

and the equivalent of five (5) years of full-time relevant experience; or (iv) have the equivalent of ten (10) years of full-time relevant experience. The person may be an independent contractor or an employee of the *user*.

Environmental site assessment (ESA) – the process by which a person or entity seeks to determine if a particular parcel of real *property* (including improvements) is subject to *recognized environmental conditions*. At the option of the user, an environmental site assessment may include more inquiry than that which constitutes *all appropriate inquiry* or, if the user is not concerned about qualifying for the LLPs, less inquiry than that constituting *all appropriate inquiry*. An environmental site assessment is different from an *environmental compliance audit*.

Historical recognized environmental condition – environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered a *recognized environmental condition* currently. The final decision rests with the *environmental professional* and will be influenced by the current impact of the *historical recognized environmental condition* on the property. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered an *historical recognized environmental condition* and included in the findings section of the Phase I *Environmental Site Assessment* report. The *environmental professional* shall provide an opinion of the current impact on the property of this *historical recognized environmental condition* in the opinion section of the report. If this *historical recognized environmental condition* is determined to be a *recognized environmental condition* at the time the Phase I *Environmental Site Assessment* is conducted, the condition shall be identified as such and listed in the conclusions section of the report.

Innocent landowner defense – (42 USC § 9601(35) and § 9607(b) (3)). A person may qualify as one of three types of innocent landowners: (i) a person who “did not know and had no reason to know” that contamination existed on the property at the time the purchaser acquired the property; (ii) a government entity which acquired the property by escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who “acquired the facility by inheritance or bequest.” To qualify for the first type of innocent landowner LLP, such person must have made all appropriate inquiry on or before the date of purchase. Furthermore, the all appropriate inquiry must not have resulted in knowledge of the contamination. If it does, then such person did “know” or “had reason to know” of contamination and would not be eligible for the innocent landowner defense. See ASTM E1527-05 Appendix X1.

Key site manager – the person identified by the *owner* or *operator* of a *property* as having good knowledge of the uses and physical characteristics of the property.

Landowner Liability Protections (LLPs) – landowner liability protections under CERCLA; these protections include the bona fide prospective purchaser liability protection, contiguous property owner liability protection, and innocent landowner defense from CERCLA liability, See 42 USC § §9601(35)(A), 9601(40), 9607(b), 9607(q), 9607 (r).

Material threat – a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the *environmental professional*, is threatening and might result in impact to public health of the environment. An example might include an aboveground storage tank that contains a hazardous substance and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

Obvious – that which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while visually or physically observing the *property*.

Other historical sources – any source or sources other than those designated in 7.3.4.1 through 7.3.4.8 that are credible to a reasonable person and that identify past uses of the property. The term includes, but is not limited to: miscellaneous maps, newspaper archives, internet sites, community organizations, local libraries, historical societies, current owners or occupants of neighboring properties, and records in the files and/or personal knowledge of the *property owner* and/or *occupants*. See ASTM E1527-05 Sections 3.2.58 and 8.3.4.8.

Practically reviewable – information that is *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 or irrelevant data. The form of the information shall be such that the user can review the records for a limited geographic area. Records that cannot be feasibly retrieved by reference to the location of the *property* or a geographic area in which the *property* is located are not generally *practically reviewable*. Most databases of public records are *practically reviewable* if they can be obtained from the source agency by the county, city, zip code, or other geographic area of the facilities listed in the record system. Records that are sorted, filed, organized, or maintained by the source agency only chronologically are not generally practically reviewable. Listings in publicly available records which do not have adequate address information to be located geographically are not generally considered practically reviewable. For large databases with numerous facility records (such as RCRA hazardous waste generators and registered underground storage tanks), the records are not *practically reviewable* unless they can be obtained from the source agency in the smaller geographic area of zip codes. Even when information is provided by zip code for some large databases, it is common for an unmanageable number of sites to be identified within a given zip code. In these cases, it is not necessary to review the impact of all of the sites that are likely to be listed in any given zip code because that information would not be *practically reviewable*. In other words, when so much data is generated that it cannot be feasibly reviewed for its impact on the *property*, it is not *practically reviewable*.

Publicly available – information that is publicly available means that the source of the information allows access to the information by anyone upon request.

Reasonably ascertainable – for purposes of both Practice E 1527 and 1528, information that is (1) *publicly available*, (2) obtainable from its source within reasonable time and cost constraints, and (3) *practically reviewable*.

Recognized environmental conditions – 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, ground water, 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 minimis* 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 enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not *recognized environmental conditions*.

User – the party seeking to use Practices E 1527 or E 1528 to complete an *environmental site assessment* of the *property*. A user may include, without limitation, a potential purchaser of *property*, a potential tenant of *property*, an *owner* of *property*, a lender, or a property manager.

Visually and/or physically observed – during a *site visit* pursuant to this practice, this term generally means observations made by vision while walking through a *property* and the structures located on it and observations made by the sense of smell, particularly observations of noxious or foul odors. The term “walking through” is not meant to imply that disabled persons who cannot physically walk may not conduct a *site visit*; they may do so by the means at their disposal for moving through the *property* and the structures located in it.

14.2 ACRONYMS

AULs – Activity and Use Limitations

CERCLA-Comprehensive Environmental Response, Compensation and Liability Act of 1980 (as amended, 42 USC § 9601 *et seq.*)

CERCLIS-Comprehensive Environmental Response, Compensation and Liability Information System (maintained by USEPA)

CFR-Code of Federal Regulations

CORRACTS-Facilities subject to Corrective Action under RCRA

ECs – Engineering Controls

USEPA-United States Environmental Protection Agency

EPCRA-Emergency Planning and Community Right to Know Act ((also known as SARA Title III), 42 USC § 11001 *et seq.*)

ERNS-Emergency Response Notification System

ESA-Environmental Site Assessment (different than an *environmental audit*; see 3.3.13)

FOIA-U.S. Freedom of Information Act (5 USC 552 *et seq.*)

FR-Federal Register

ICs – Institutional Controls

LLPs – Landowner Liability Protections under the Brownfields Amendments

LUST-Leaking Underground Storage Tank

MSDS-Material Safety Data Sheet

NCP-National Contingency Plan

NFRAP-Former CERCLIS sites where no further remedial action is planned under CERCLA

NPDES-National Pollutant Discharge Elimination System

NPL-National Priorities List

PCBs-Polychlorinated Biphenyls

PRP-Potentially Responsible Party (pursuant to CERCLA 42 USC § 9607(a))

RCRA-Resource Conservation and Recovery Act (as amended, 42 USC § 6901 *et seq.*)

SARA-Superfund Amendments and Reauthorization Act of 1986 (amendment to CERCLA)

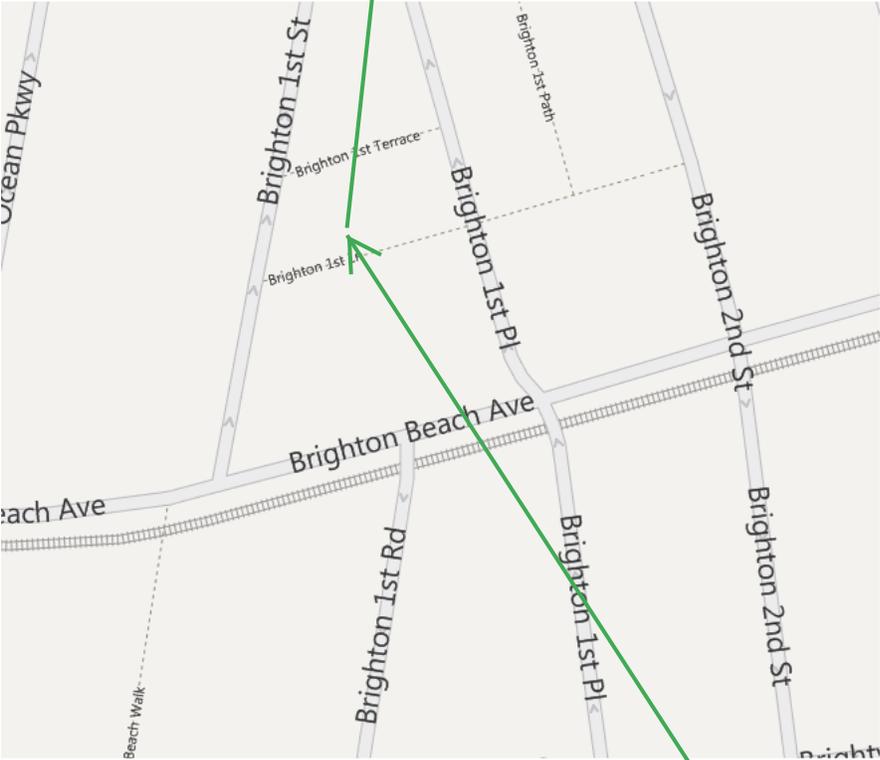
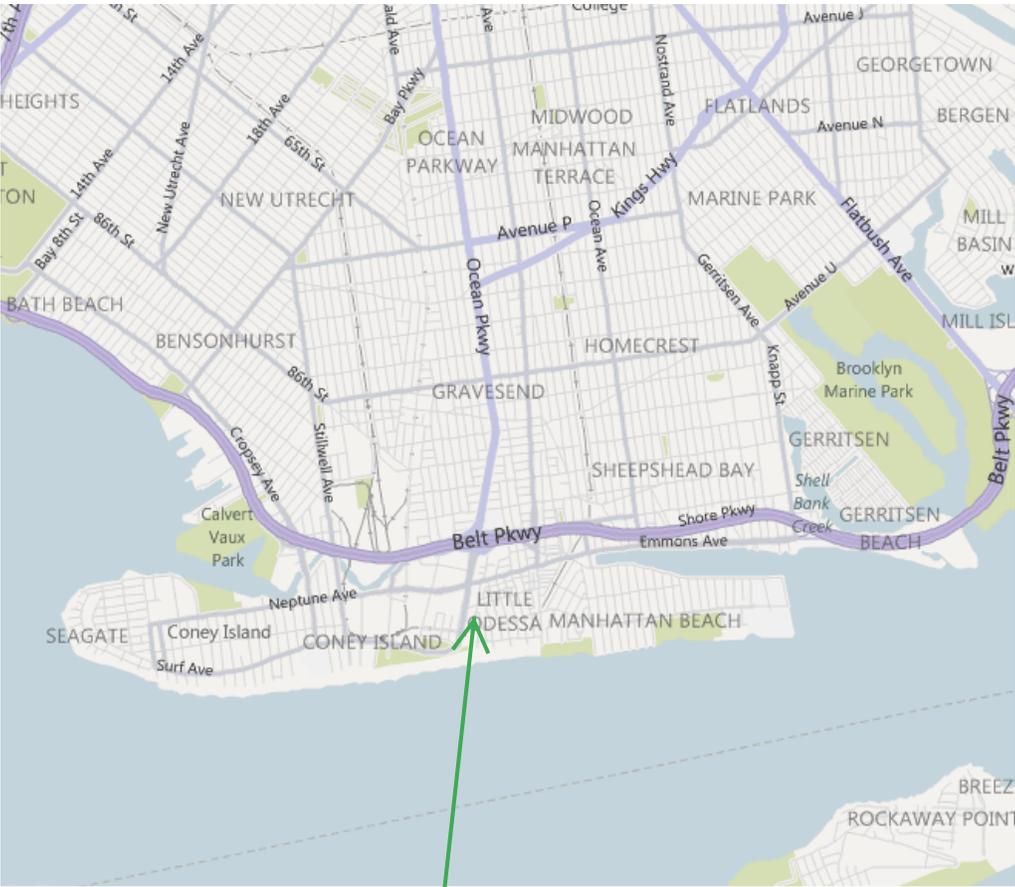


Figure 1.0 Site Location
67 Brighton 1st Lane
Brooklyn, New York

USGS Brooklyn, New York, United States 01 Jul 1992

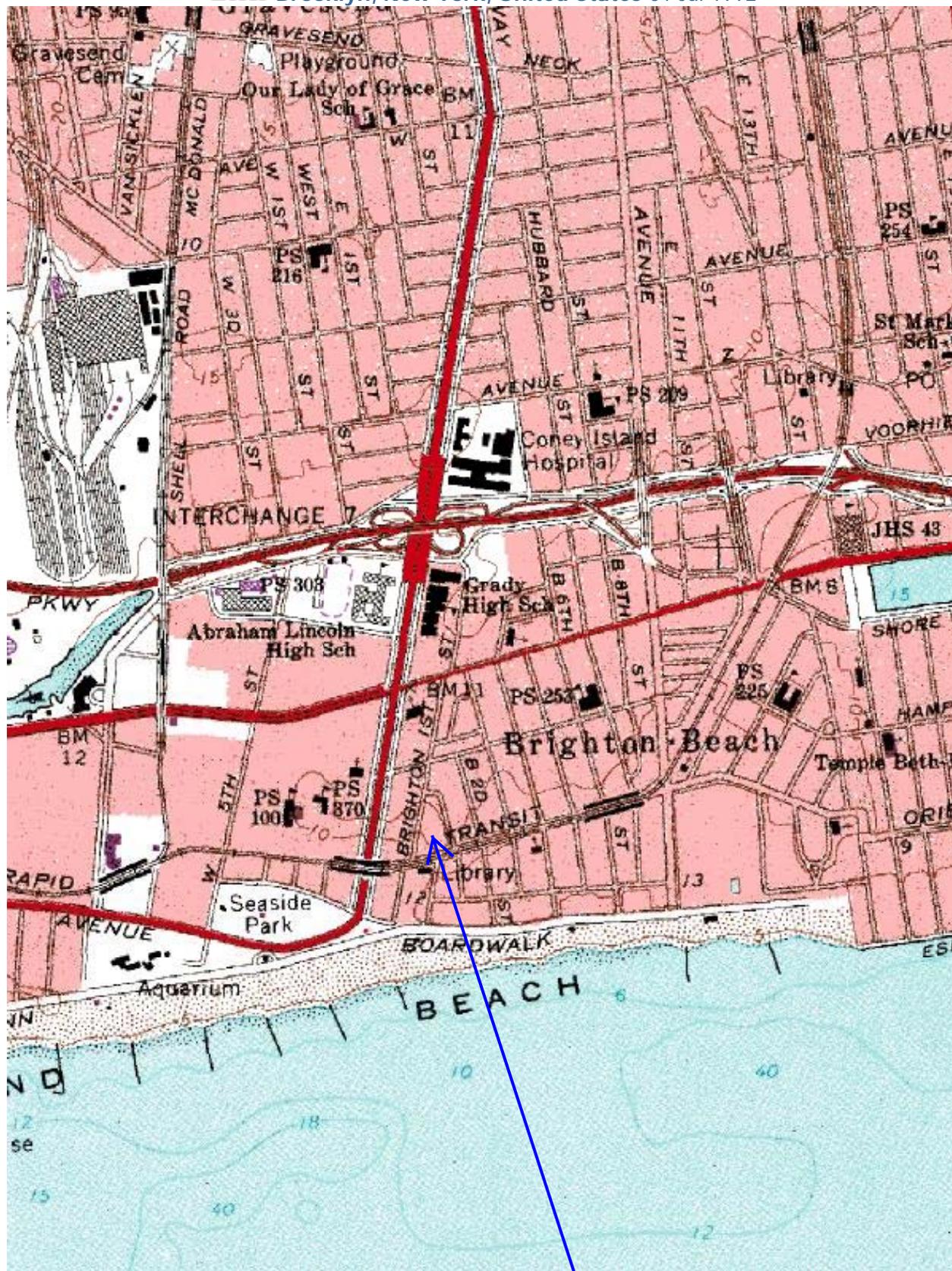


Figure 2.0 Topographic Map
67 Brighton 1st Lane
Brooklyn, New York

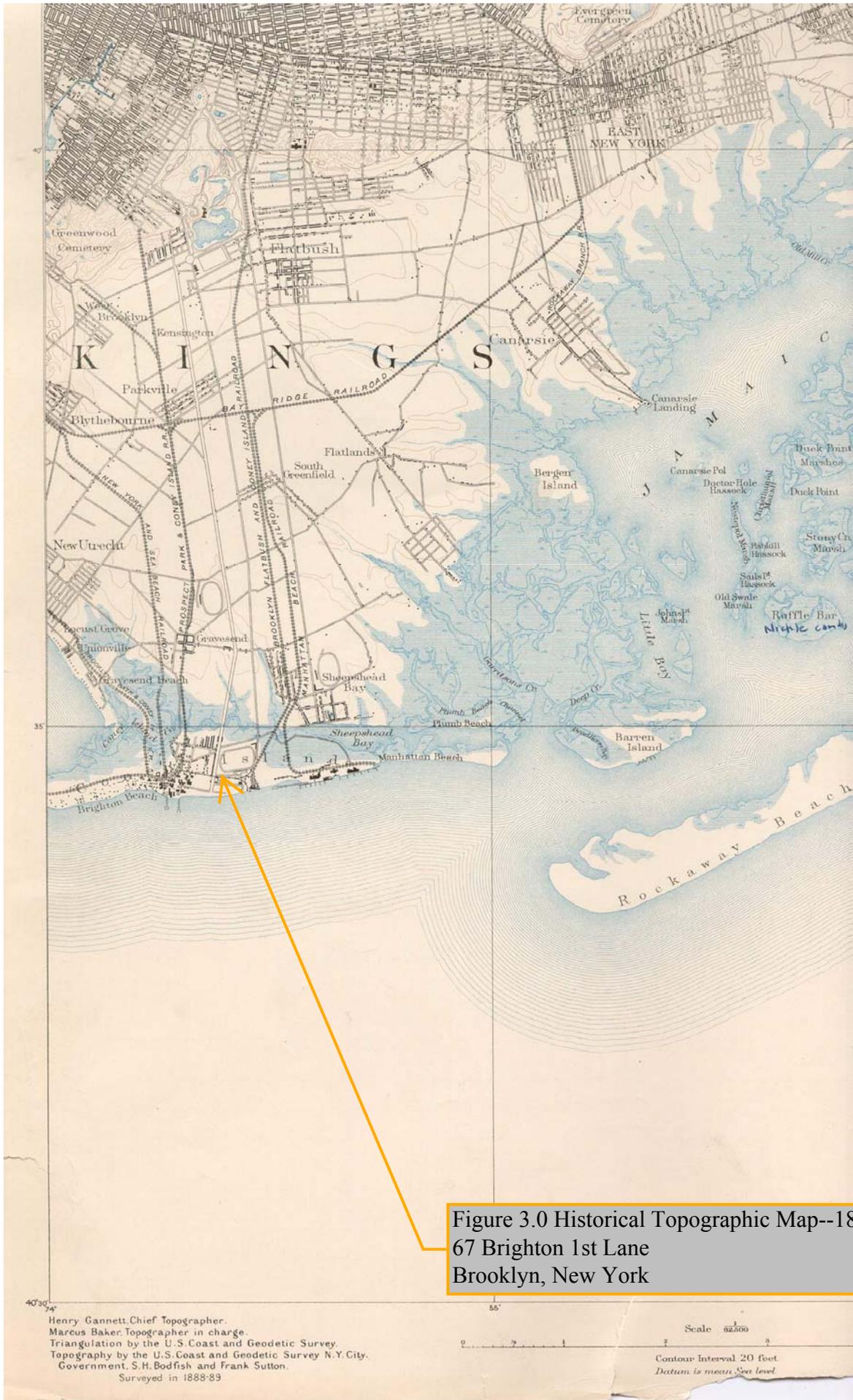


Figure 3.0 Historical Topographic Map--1891
67 Brighton 1st Lane
Brooklyn, New York

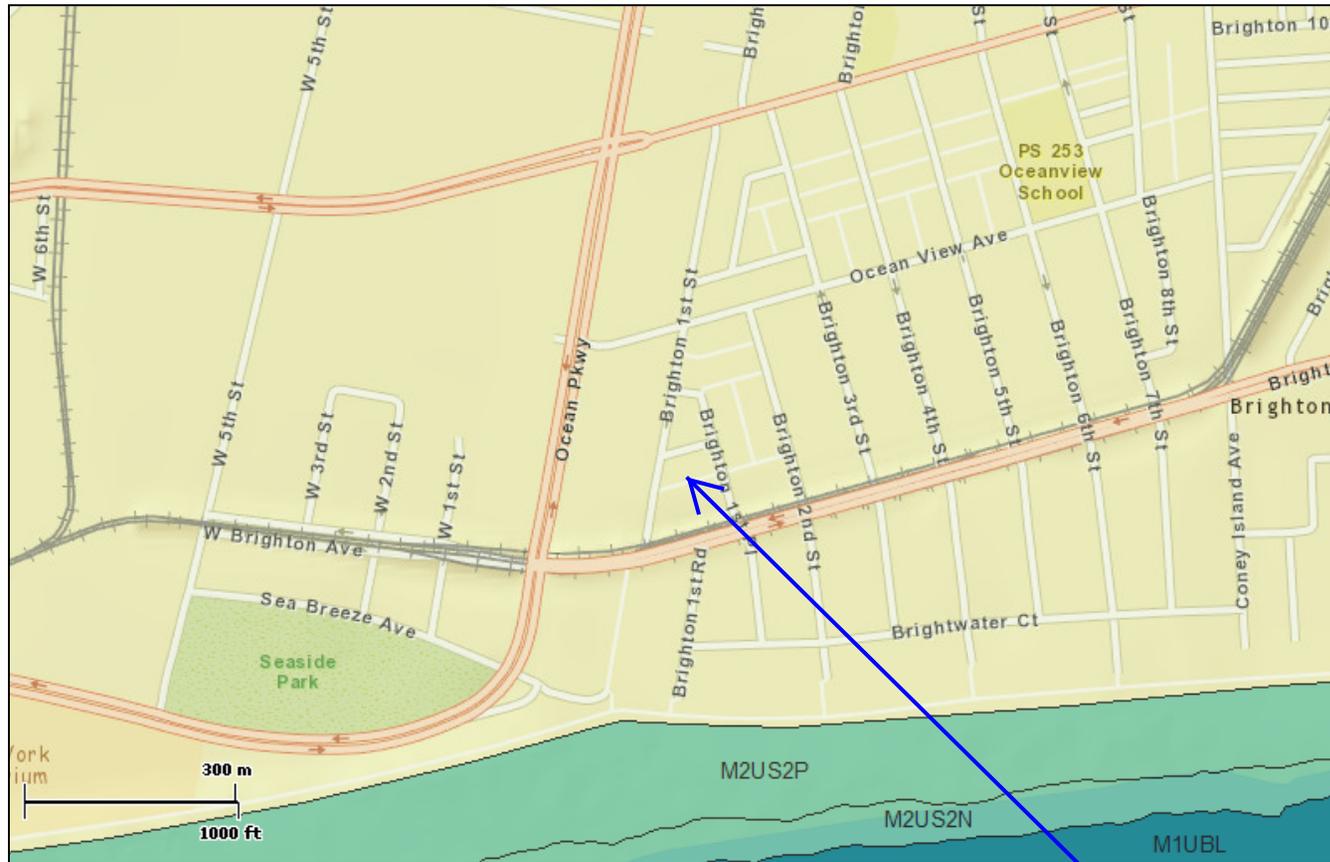


Figure 4.0 Aerial Photograph
67 Brighton 1st Lane
Brooklyn, New York



U.S. Fish and Wildlife Service National Wetlands Inventory

Jun 30, 2011



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Status

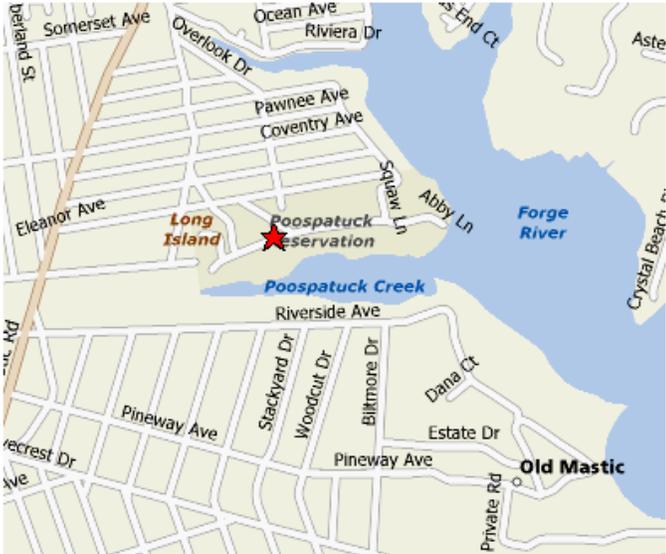
- Digital
- Scan
- Non-Digital
- No Data

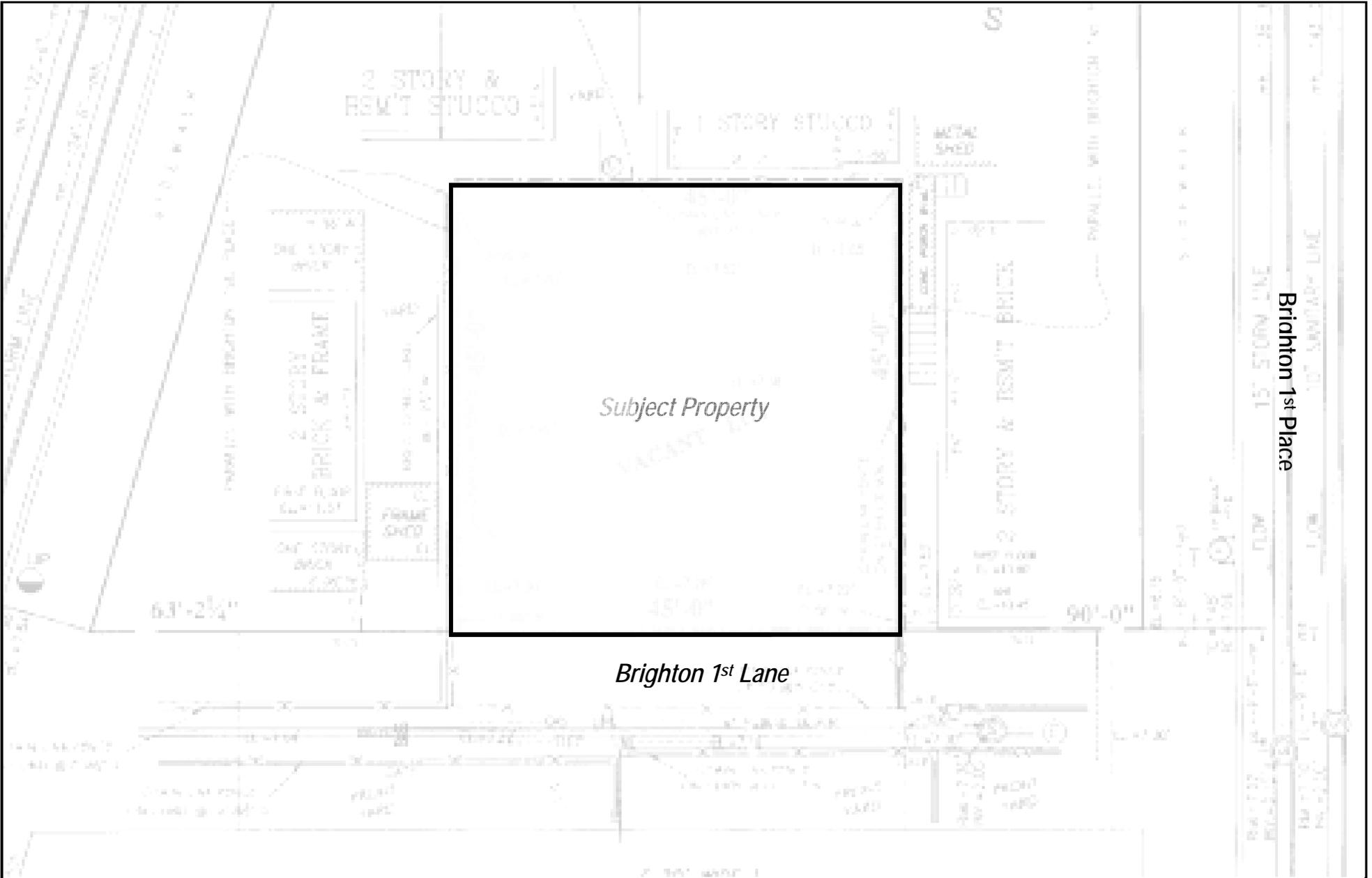
This map is for general reference only. The U.S. Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Figure 6.0 Wetlands Map

67 Brighton 1st Lane
Brooklyn, New York

Figure 7.0, Tribal Lands Map
Federal and State Recognized Indian Nation Lands, New York State





53 West Hills Road
Huntington Station, NY 11746

PHONE: 631-673-0612
FAX: 631-427-5323

WWW.LAUREL ENV.COM

FIGURE 8.0
SITE SKETCH

67 BRIGHTON 1ST LANE
BROOKLYN, NY 11235

PROJECT # : 11-256

DRAWING DATE: 7-7-2011

DRAWN BY: CJC

CHECKED BY: TJ

REVISIONS: CM

SB = Soil Borings

SG = Soil Grab

GW = Groundwater Sample

 SAMPLES LOCATIONS



NOT TO SCALE

LEA makes no guarantees as to the accuracy of this drawing and it should only be used for informational purposes.

APPENDIX A

Site Photographs



Photo 1, View of the front of the property



Photo 2, View of the northwest of the property

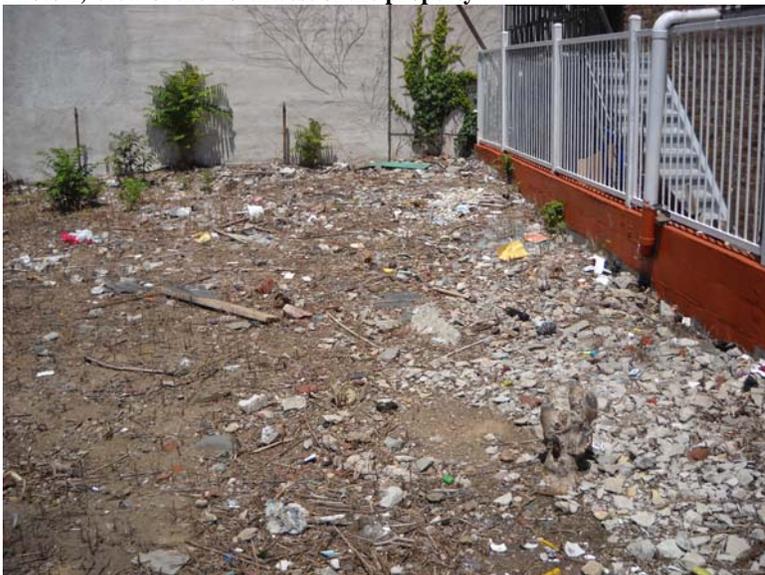


Photo 3, View of the northeast of the property



Photo 4, View of the adjacent property to the southeast



Photo 5, View of the adjacent property to the southwest

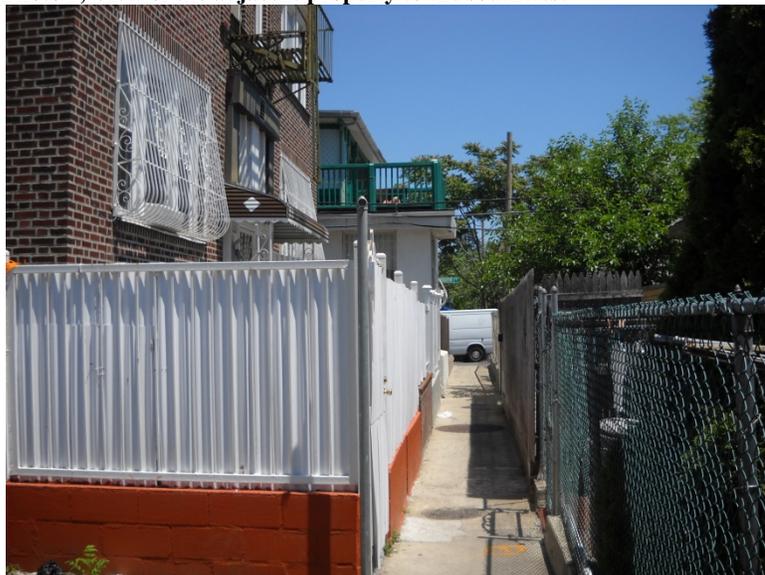


Photo 6. View of the adjoining property to the east



Photo 7, View of the adjoining property to the west

APPENDIX B

Regulatory Agency Records

NYCDEP FOIL Request

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. Either send the completed application to the Records Access Officer at NYC DEP, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373, or fax to (718) 595-6543. **DO NOT FAX AND MAIL.**

PART I. APPLICATION – Check type of record(s) requested:

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> Bid/ Procurement (ACCO) | <input type="checkbox"/> Noise complaints/ inspections (BEC) | <input checked="" type="checkbox"/> Sewer main/line repair/construction (BWSO) | <input type="checkbox"/> Water bill accounts/ metering (BCS) |
| <input type="checkbox"/> Asbestos (BEC) | <input checked="" type="checkbox"/> Environmental Review/SEQRA (BEPA) | <input checked="" type="checkbox"/> Water Quality (BWS/WQ) | <input type="checkbox"/> Personnel records (HRM) |
| <input checked="" type="checkbox"/> Hazardous materials emergency response (BEC) | <input checked="" type="checkbox"/> Industrial Pretreatment/ sewer discharge violations (BWT) | <input type="checkbox"/> Watershed/ reservoir operations (BWS) | <input type="checkbox"/> Wastewater Treatment Plant operations (BWT) |
| <input type="checkbox"/> Right To Know (BEC) | <input type="checkbox"/> Water main/line repair/construction (BWSO) | <input checked="" type="checkbox"/> Watershed area incident reports (DEP PD) | <input checked="" type="checkbox"/> <u>e designations</u> |
| <input checked="" type="checkbox"/> Air permits/complaints/ inspections (BEC) | | | |

I hereby apply to inspect or receive copies of the following records (use additional sheets as needed and attach):

Inspection records, violations, AST's + UST's, Hazardous materials
chemical storage permits, oil/pcb's/chemical/hazardous waste spills
 Location: 67 Brighton 1st Lane, Brooklyn, New York 11235
 Time frame/date of records: _____

Name: Mollie Platt Phone: 631-673-0612 E-
 Mail: mplatt@laurelenv.com
 Firm: Laurel Environmental Associates,

Address: 53 West Hills Rd. Suite 7 City Huntington Station state NY zip
 Code 11746
 Signature: Mollie Platt Date: 7-6-11

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.

- | | |
|--|---|
| <input type="checkbox"/> Exempt: State/Fed. Statute (2(a)) | <input type="checkbox"/> Exempt: Law Enforcement (2(e)) |
| <input type="checkbox"/> Invasion of personal privacy (2(b)) | <input type="checkbox"/> Inter/Intra-agency material (2(g)) |
| <input type="checkbox"/> Competitive position injury (2(d)) | <input type="checkbox"/> (Other) _____ |

Brief Description of records not subject to disclosure _____

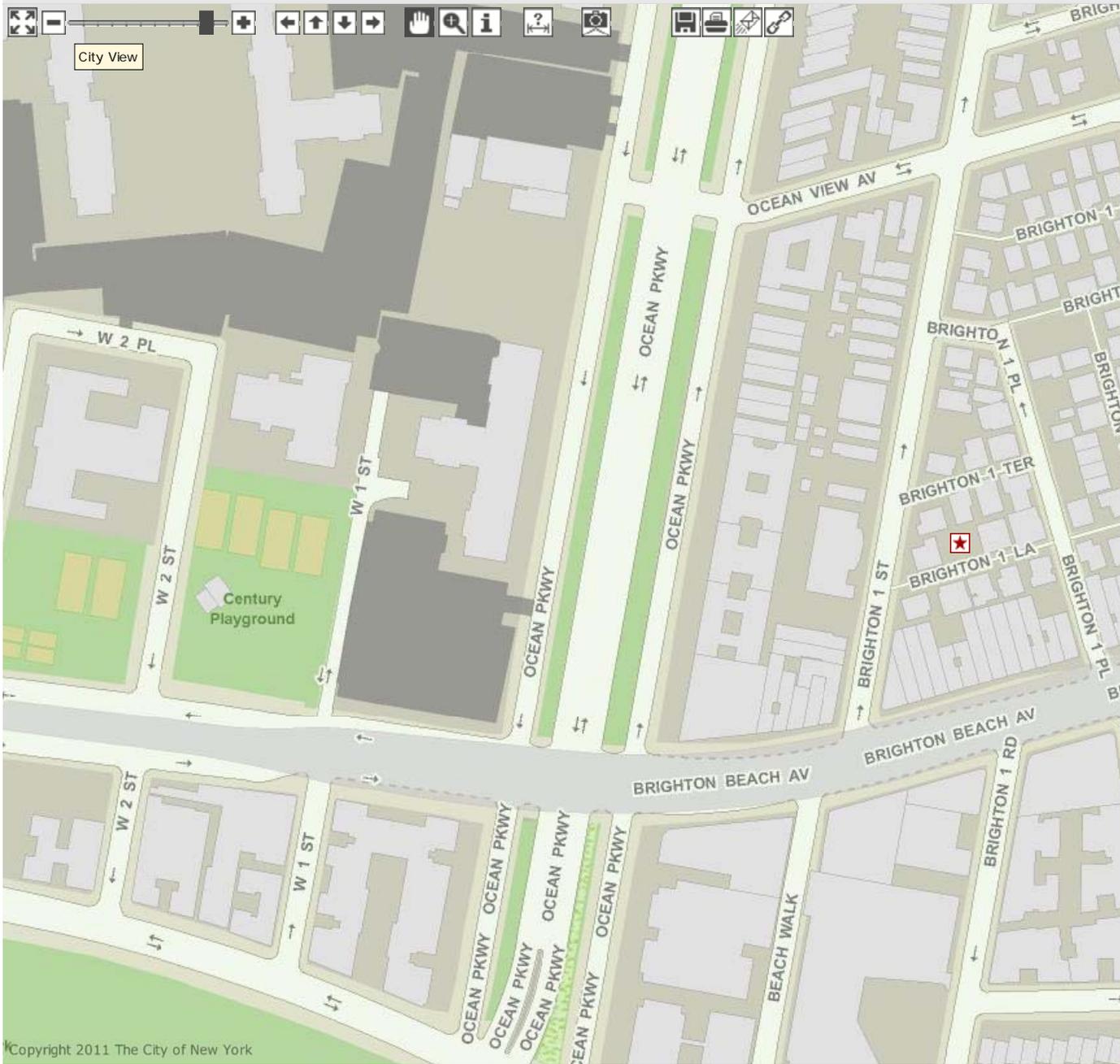
A denial, in whole or in part, may be appealed within 30 days by writing to the NYCDEP FOIL Appeals Officer, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373

APPENDIX C

New York City Building Department Records



NYCityMap | FEEDBACK FORM | USER GUIDE | DISCLAIMER | OTHER MAP THEMES | BLOG



Search for a Location

Searched Locations

67 BRIGHTON 1 LANE
BROOKLYN 11235

Hide Additional Information...

- Find Nearest

- Building & Property Information

Borough: Brooklyn Block: 8670 Lot: 80
 Police Precinct: 60
 Owner: PENSCO TRUST COMPANY

Address: 67 BRIGHTON 1 LANE, BROOKLYN 11235
 Lot Area: 2025 sf
 Lot Frontage: 45' Lot Depth: 45
 Year Built: unknown
 Number of Buildings: 0
 Number of Floors: 0
 Gross Floor Area: 0 sf (estimated)
 Residential Units: 0 Total # of Units: 0
 Land Use: Vacant Land
 Zoning: R6
 Commercial Overlay:
 Zoning Map #: 28D
 Landmark Building: No
 Historic District: No

[Dept. of City Planning, PLUTO 10v2 © 2010](#) and other city agency sources

Links to More Information

- [Address Translator](#)
- [Building ECB Violations](#)
- Neighborhood Information
- Elected Official Information

Show Additional Data on Map

Data Feedback



[CLICK HERE TO SIGN UP FOR BUILDINGS NEWS](#)

NYC Department of Buildings

Property Profile Overview

67 BRIGHTON 1 LANE		BROOKLYN 11235	BIN# 3397481
BRIGHTON 1 LANE	67 - 67	Health Area : 9110	Tax Block : 8670
		Census Tract : 362	Tax Lot : 80
		Community Board : 313	Condo : NO
			Vacant : NO

[View DCP Addresses...](#) [Browse Block](#)

[View Zoning Documents](#) [View Challenge Results](#) [View Certificates of Occupancy](#)

Cross Street(s):	BRIGHTON 1 STREET, BRIGHTON 1 PLACE		
DOB Special Place Name:			
DOB Building Remarks:	BLOCK 8670 LOT # 80...(6/11)		
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:	NO
Additional BINs for Building:	3244628		

Special District: OP - OCEAN PARKWAY

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, or Coastal Erosion Hazard Area. [Click here for more information](#)

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	Elevator Records
Complaints	0	0	Electrical Applications
Violations-DOB	0	0	Permits In-Process / Issued
Violations-ECB (DOB)	0	0	Illuminated Signs Annual Permits
Jobs/Filings	12		Plumbing Inspections
ARA / LAA Jobs	0		Open Plumbing Jobs / Work Types
Total Jobs	12		Facades
Total Actions	0		Marquee Annual Permits
OR Enter Action Type: <input type="text"/>			Boiler Records
OR Select from List: <input type="text" value="Select.."/>			DEP Boiler Information
AND <input type="text" value="Show Actions"/>			Crane Information
			After Hours Variance Permits

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.



[CLICK HERE TO SIGN UP FOR BUILDINGS NEWS](#)

NYC Department of Buildings

Job Overview

Page: 1 of 1

Premises: 67 BRIGHTON 1 LANE BROOKLYN BIN: [3397481](#) Block: 8670 Lot: 80

To start overview at new date, select Month: Day: Year:

Show All BIS Job Types

Show All Filings

APPLY

FILE DATE	JOB #	DOC #	JOB TYPE	JOB STATUS	STATUS DATE	LIC #	APPLICANT	IN AUDIT	ZONING APPROVAL
11/15/2007	310041816	01	NB	P APPROVED	06/20/2011	0017739 RA	Scarano		NOT APPLICABLE
Work on Floor(s): 001 thru 006									
08/12/2010	320197443	01	A3	R PERMIT-ENTIRE	06/17/2011	0017739 RA	SCARANO		NOT APPLICABLE
PROPOSED INSTALLATION OF A NEW CURB CUT, FILED IN CONJUNCTION WITH NB. Work on Floor(s): GND									
09/02/2010	320199673	01	A3	R PERMIT-ENTIRE	06/17/2011	0017739 RA	SCARANO		NOT APPLICABLE
PROPOSED FILING OF TWO (2) TEST PITS ON SITE TO INVESTIGATE SUB-SOIL CONDI Work on Floor(s): OSP									
09/10/2010	310041816	02	NB	P APPROVED	06/20/2011	0017739 RA	SCARANO		NOT APPLICABLE
RESPECTFULLY FILING FOR ENLARGMENT OF A ZONING LOT. Work on Floor(s): 001 thru 006									
09/16/2010	320213639	01	A3	R PERMIT-ENTIRE	06/17/2011	0017739 RA	SCARANO		NOT APPLICABLE
PROPOSED INSTALLATION OF A NEW CURB CUT, FILED IN CONJUNCTION WITH NB. Work on Floor(s): GND									
06/14/2011	310041816	04	NB	P APPROVED	06/20/2011	0017739 RA	SCARANO		NOT APPLICABLE
SUBSEQUENT FILING HEREWITH TO ADD OT WORK TYPE FOR SUPPORTIVE EXCAVATION Work on Floor(s): 001									
06/14/2011	310041816	03	NB	P APPROVED	06/20/2011	0017739 RA	SCARANO		NOT APPLICABLE
SUBSEQUENT FILING HEREWITH TO ADD OT WORK TYPE FOR STRUCTURAL ONLY, AS PER Work on Floor(s): GND									
06/17/2011	310041816	06	NB	P APPROVED	06/20/2011	0017739 RA	SCARANO		NOT APPLICABLE
SUBSEQUENT FILING HEREWITH TO ADD EQ WORK TYPE FOR CHUTE, TEMPORARY INSTAL Work on Floor(s): 001 thru 006									

06/17/2011	310041816	07	NB	P APPROVED	06/20/2011	0017739 RA	SCARANO	NOT APPLICABLE
SUBSEQUENT FILING HEREWITH TO ADD EQ WORK TYPE FOR SIDEWALK SHED TEMPORARY Work on Floor(s): 001								
06/17/2011	310041816	05	NB	P APPROVED	06/20/2011	0017739 RA	SCARANO	NOT APPLICABLE
SUBSEQUENT FILING HEREWITH TO ADD EQ WORK TYPE FOR SCAFFOLD, TEMPORARY Work on Floor(s): 001 thru 006								
	320323805	01	A2	A PRE-FILED	06/17/2011	0017739 RA	SCARANO	NOT APPLICABLE
INSTALLATION OF TWO WEPOWER FALCON 3.4KW VERTICAL AXIS WIND TURBINES ON RO Work on Floor(s): ROF								
06/27/2011	310041816	08	NB	G PAA FEE DUE	06/27/2011		Scarano	NOT APPLICABLE
POST APPROVAL AMENDMENT FOR 01 Work on Floor(s): 001 thru 006								

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.

APPENDIX D

Toxics Targeting, Inc. Environmental Report Computerized Report from USEPA, NYSDEC and Local Databases

TOXICS TARGETING

PHASE I

ENVIRONMENTAL DATABASE REPORT

**67 BRIGHTON 1ST LANE
BROOKLYN, NY 11235**

JULY 01, 2011

LIMITED WARRANTY AND DISCLAIMER OF LIABILITY

Who is Covered

This limited warranty is extended by Toxics Targeting, Inc. only to the original purchaser of the accompanying Environmental Report ("Report"). It may not be assigned to any other person.

What is Warranted

Toxics Targeting, Inc. warrants that it uses reasonable care to accurately transcribe the information contained in this Report from the sources from which it is obtained. This limited warranty is in lieu of all other express warranties which might otherwise arise with respect to the Report. No one is authorized to change or add to this limited warranty.

What We Will Do

If during the warranty period there is shown to be a material error in the transcription of the information contained in this Report from the sources from which it was obtained, Toxics Targeting, Inc. shall refund to the original purchaser the full purchase price paid for the Report. The remedy stated above is the exclusive remedy extended to the Purchaser by Toxics Targeting, Inc. for any failure of the Report to conform with this Warranty, or otherwise for breach of this Warranty or any other warranty, whether expressed or implied.

What We Won't Cover

Toxics Targeting, Inc. has not and can not verify the accuracy, correctness or completion of the information contained in this Report. Information is obtained from government agencies, site owners, and other sources, and errors are common in such information. Because Toxics Targeting, Inc. can not control the accuracy of the information contained in this Report, or the uses which may be made of the information, TOXICS TARGETING, INC. DISCLAIMS LIABILITY TO ANYONE FOR ANY EVENTS ARISING OUT OF THE USE OF THE INFORMATION. TOXICS TARGETING, INC. SHALL NOT BE LIABLE FOR ANY DAMAGE CAUSED BY THIS REPORT, WHETHER DIRECT OR INDIRECT, AND WHETHER OR NOT TOXICS TARGETING, INC. HAS BEEN ADVISED OF OR HAS KNOWLEDGE OF THE POSSIBILITY OF SUCH DAMAGES. TOXICS TARGETING, INC. EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.

Period of Warranty

The period of warranty coverage is ninety days from the date of purchase of this Report. There shall be no warranty after the period of coverage. ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR USE SHALL HAVE NO GREATER DURATION THAN THE PERIOD OF WARRANTY STATED HERE, AND SHALL TERMINATE AUTOMATICALLY UPON THE EXPIRATION OF SUCH PERIOD. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above exclusion or limitation may not apply to you.

PLEASE REFER TO PAGES ONE AND FIVE FOR A DESCRIPTION OF SOME OF THE LIMITATIONS OF THIS ENVIRONMENTAL REPORT.

Table of Contents

Introduction..... 1

- *The Three Sections of Your Report*
- *How to Use Your Report*
- *Toxic Site Databases Analyzed In Your Report*
- *Limitations Of the Information In Your Report*

Section One: Your Report Summary..... 7

- *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*

Section Two: Toxic Site Profiles

Section Three: Appendices

- *USEPA ERNS Check*
- *Unmappable Sites*
- *Hazardous Waste Codes*
- *Information Source Guide*

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.

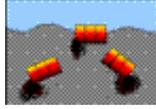
How to Use Your Report

- 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 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

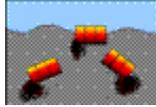
Search Radius

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



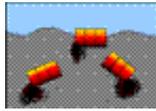
2) **Delisted National Priority List Sites**: a listing of NPL sites that have been removed from the National Priority List.

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



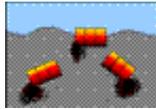
4) **New York Inactive Hazardous Waste Disposal Site Registry Qualifying**: a state listing of sites that qualify for possible inclusion to the NYDEC Inactive Haz. Waste Disposal Site Registry.

One-Mile



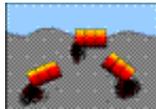
5) **RCRA Corrective Action Activity (CORRACTS)**: waste facilities with RCRA corrective action activity reported by the USEPA.

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



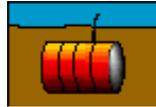
13) ***New York State Major Oil Storage Facilities:*** sites with more than a 400,000 gallon capacity for storing petroleum products.

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



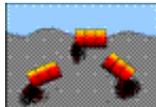
17) ***New York Chemical Bulk Storage Facilities:*** sites storing hazardous substances listed in 6 NYCRR Part 597 in aboveground tanks with capacities of 185 gallons or more and/or underground tanks of any size

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*
- *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	1	1	2
NYS Inactive Haz Waste Disposal Site Registry Qualifying	0	0	0	0	0	0
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	1	Not searched	1
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	0	0	Not searched	0
Active Spills - Unknown / Other Causes	0	0	0	4	Not searched	4
Active Spills - Miscellaneous Causes	0	0	0	0(2)	Not searched	0(2)
Closed Tank Failures	0	0	0	3	Not searched	3
Closed Tank Test Failures	0	1	1	11	Not searched	13
Closed Spills - Unknown / Other Causes	0	9	4	40	Not searched	53
Closed Spills - Miscellaneous Causes	0	6	2(7)	2(27)	Not searched	10(34)
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	16	Not searched	Not searched	Not searched	16
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	40	7(7)	62(29)	1	110(36)

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	0	Not searched	0
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	1	Not searched	Not searched	Not searched	1
Civil & Administrative Enforcement Docket Facilities	0	0	Not searched	Not searched	Not searched	0

Non-ASTM Databases Distance Interval Totals	0	1	0	0	Not Searched	1
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<i>Distance Interval Totals</i>	<i>0</i>	<i>41</i>	<i>7(7)</i>	<i>62(29)</i>	<i>1</i>	<i>111(36)</i>
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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

67 Brighton 1st Lane
Brooklyn, NY 11235

* 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
98	129 OCEANVIEW AVE	129 OCEANVIEW AVE	585 feet to the N	Petroleum Bulk Storage Site
99	SHEILA CARROLL	291 BRIGHTON BEACH AVE	611 feet to the E	Petroleum Bulk Storage Site
25	TM #606	BRIGHTON 2 & BRIGHTON BCH	448 feet to the ESE	Closed Status Spill (Unk/Other Cause)
78	3101 BRIGHTON	3101 BRIGHTON 2ND ST	623 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
100	BRIGHTON REALTY COMPANY	3101 BRIGHTON 2ND STREET	637 feet to the ESE	Petroleum Bulk Storage Site
101	BLANNOR REALTY CO	3095 BRIGHTON 2 ST	637 feet to the ESE	Petroleum Bulk Storage Site
11		250 BRIGHTON BEACH AVE	422 feet to the SE	Closed Status Tank Test Failure
104	KWIKI KLEEN	256 BRIGHTEN BEACH AVE	439 feet to the SE	Hazardous Waste Generator/Transporter
94	3100 BRIGHTON 2ND STREET	3100 BRIGHTON 2ND STREET	571 feet to the SE	Petroleum Bulk Storage Site
77	X	31-11 BRIGHTON FIRST PLACE	583 feet to the SE	Closed Status Spill (Misc. Spill Cause)
96	UNITED MGMT. CORP	3111 BRIGHTON 1ST PLACE	583 feet to the SE	Petroleum Bulk Storage Site
90	LUSTAR RALTY CORP	9-21 BRIGHTON 1ST RD	448 feet to the SSE	Petroleum Bulk Storage Site
92	J & D I REALTY, LLC.	3102 BRIGHTON FIRST PLACE	467 feet to the SSE	Petroleum Bulk Storage Site
95	NEW BROOKLYN REALTY LLC	115 BRIGHTWATER CT	572 feet to the SSE	Petroleum Bulk Storage Site
93	BRIGHTWATER CT ASS	101 BRIGHTWATER COURT	551 feet to the S	Petroleum Bulk Storage Site
97	40/50 BRIGHTON 1ST RD CORPORATION	40-50 BRIGHTON 1ST ROAD	585 feet to the S	Petroleum Bulk Storage Site
103	YORK CLNRS	211 BRIGHTON BEACH AVE	161 feet to the SSW*	Hazardous Waste Generator/Transporter
30	50 BRIGHTON 1ST RD	50 BRIGHTON 1ST RD	587 feet to the SSW	Closed Status Spill (Unk/Other Cause)
102	3101 OCEAN PARKWAY	3101 OCEAN PARKWAY	645 feet to the SSW	Petroleum Bulk Storage Site
89	3045 OCEAN PKWY TENANTS CORP	3045 OCEAN PARKWAY	328 feet to the WSW	Petroleum Bulk Storage Site
31	BRIGHTEN BEACH AVE-OCEAN	BRIGHTON BEACH AVE - OCEAN	623 feet to the WSW	Closed Status Spill (Unk/Other Cause)
32	MH 1565 HAS EARTHEN SUMP & ONE PT OIL	BRIGHTON BEACH AVE & OCEAN PKY	623 feet to the WSW	Closed Status Spill (Unk/Other Cause)
79		OCEAN PKY & BRIGHTON BEAC	623 feet to the WSW	Closed Status Spill (Misc. Spill Cause)

80	SB 23726	OCEAN PKWY AND BRIGHTON BEACH AVE	623 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
81	VS 6224	OCEAN PARKY/BRIGHTON AVE	623 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
82	VAULT VS6224	OCEAN PARKWAY/BRIGHTON AV	623 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
109	CONSOLIDATED EDISON	V6224-OCEAN PKWY & BRIGHTON BE	623 feet to the WSW	Hazardous Waste Generator/Transporter
110	NYCTA-OCEAN PKWY STATION	BRIGHTON BEACH AVE/OCEAN PKWY	623 feet to the WSW	Hazardous Waste Generator/Transporter
88	THE IDASIL	3039 OCEAN PARKWAY	298 feet to the W	Petroleum Bulk Storage Site
24	UN FRONT OF 3039 OCEAN PKWY	3039 OCEAN PKWY	412 feet to the W	Closed Status Spill (Unk/Other Cause)
105	CONSOLIDATED EDISON	VS5366-OCEAN PKY	552 feet to the W	Hazardous Waste Generator/Transporter
111	TRUMP VILLAGE SEC 2, INC.	3000 OCEAN PARKWAY	658 feet to the W	Air Discharge Site
87	3017 OCEAN PARKWAY OWNERS CORP.	3017 OCEAN PARKWAY	295 feet to the WNW	Petroleum Bulk Storage Site
26	MANHOLE #73165	OCEAN PARKY/OCEANVIEW AVE	571 feet to the NW	Closed Status Spill (Unk/Other Cause)
27	MH 357250	OCEAN PKWAY/OCEAN VIEW	571 feet to the NW	Closed Status Spill (Unk/Other Cause)
28		OCEAN PKWAY/OCEAN VIEW	571 feet to the NW	Closed Status Spill (Unk/Other Cause)
29	MANHOLE 64235	OCEAN VIEW AV/OCEAN PKWY	571 feet to the NW	Closed Status Spill (Unk/Other Cause)
107	CONSOLIDATED EDISON	V1849 OCEANVIEW AVE & OCEAN PK	571 feet to the NW	Hazardous Waste Generator/Transporter
108	CONSOLIDATED EDISON	MH64235-OCEANVIEW & OCEAN PKWY	571 feet to the NW	Hazardous Waste Generator/Transporter
91	MIKLOS A. VASARHELYI	2985 OCEAN PARKWAY	452 feet to the NNW	Petroleum Bulk Storage Site
106	CONSOLIDATED EDISON MH73166	2975 OCEAN PKWY & OCEANVIEW AV	566 feet to the NNW	Hazardous Waste Generator/Transporter

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
4	SHELL STATION	359 NEPTUNE AVE	1351 feet to the N	Active Haz Spill (Unknown/Other Cause)
14	2882 BRIGHTON 3RD STREET	2882 BRIGHTON 3RD STREET	1414 feet to the N	Closed Status Tank Test Failure
49	CONEY ISLAND WPCP	2727 OCEAN PKWY & C.I. WT	1913 feet to the N	Closed Status Spill (Unk/Other Cause)
21		2850 SHORE PARKWAY	2073 feet to the N	Closed Status Tank Test Failure
66	OCEAN PKWY & SHORE PKWY	OCEAN PKWY & SHORE PKWY	2470 feet to the N	Closed Status Spill (Unk/Other Cause)
67	MAN HOLE 1509	OCEAN PKWY & SHORE PKWY	2470 feet to the N	Closed Status Spill (Unk/Other Cause)
68	MANHOLE 1509	OCEAN PKY & SHORE PKY	2470 feet to the N	Closed Status Spill (Unk/Other Cause)
69	MANHOLE 62992	OCEAN PARKWAY AT SHORE PK	2470 feet to the N	Closed Status Spill (Unk/Other Cause)
86	BELY PKWY/OCEAN PKWY	BELT PKWY/OCEAN PKWY	2470 feet to the N	Closed Status Spill (Misc. Spill Cause)
5	EAGLE GAS	292 NEPTUNE AVENUE	1504 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
40	EAGLE GAS STATION	292 NEPTUNE AVENUE	1504 feet to the NNE	Closed Status Spill (Unk/Other Cause)
42	V877 SUBMERSABLE VAULT	NEPTUNE AVE/E 5TH ST	1646 feet to the NNE	Closed Status Spill (Unk/Other Cause)
53	WATERS RESIDENCE	2853 BRIGHTON 6TH STREET	2034 feet to the NNE	Closed Status Spill (Unk/Other Cause)
58	WATERS HOME	2849 BRIGHTON 6TH STREET	2056 feet to the NNE	Closed Status Spill (Unk/Other Cause)
62	MAN HOLE # 59865	BANNER AVE/6TH ST	2346 feet to the NNE	Closed Status Spill (Unk/Other Cause)
64	MANHOLE 2852	2762 BRIGHTON 6TH ST	2371 feet to the NNE	Closed Status Spill (Unk/Other Cause)
39	MH 37291	OCEAN AV AND BRIGHTON 6TH	1504 feet to the NE	Closed Status Spill (Unk/Other Cause)
56	VAULT 4886	BRIGHTON 7TH ST/NEPTUNE	2047 feet to the NE	Closed Status Spill (Unk/Other Cause)
20	231 NEPTUNE AVE/GETTY STA	231 NEPTUNE AVENUE	2051 feet to the NE	Closed Status Tank Test Failure
57	EMPTY LOT	231 NEPTUNE AVE	2051 feet to the NE	Closed Status Spill (Unk/Other Cause)
63	SERVICE BOX 35382	3068 CONEY ISLAND AVE	2351 feet to the NE	Closed Status Spill (Unk/Other Cause)

22	3046 CONEY ISLAND AV/BKLY	3046 CONEY ISLAND AVENUE	2388 feet to the NE	Closed Status Tank Test Failure
70	FOUND STAINED SOIL WHILE DRILLING	NEPTUNE & CONEY ISLAND AVENUES	2542 feet to the NE	Closed Status Spill (Unk/Other Cause)
71	MANHOLE 36471	NEPTUNE AV / CONEY ISLAND	2542 feet to the NE	Closed Status Spill (Unk/Other Cause)
72	MANHOLE 36471	NEPTUNE AVE & CONEY ISLD.	2542 feet to the NE	Closed Status Spill (Unk/Other Cause)
23	3040 CONEY ISLAND/SUNOCO	3040 CONEY ISLAND AVENUE	2586 feet to the NE	Closed Status Tank Test Failure
74	BETWEEN NEPTUNE AVE. AND	3033 CONEY ISLAND AVE	2588 feet to the NE	Closed Status Spill (Unk/Other Cause)
75	RESIDENCE	2789 BRIGHTON 8TH ST	2601 feet to the NE	Closed Status Spill (Unk/Other Cause)
41	VEHICLE	30-66 BRIGHTON 7 STREET	1632 feet to the ENE	Closed Status Spill (Unk/Other Cause)
46	MANHOLE 37294	BRIGHTON 7TH ST/OCEAN VIW	1749 feet to the ENE	Closed Status Spill (Unk/Other Cause)
48	MH 37296	BRIGHTON ST/OCEANVIEW AVE	1905 feet to the ENE	Closed Status Spill (Unk/Other Cause)
50	MANHOLE 35390 EMIS 218046	3168 CONEY ISLAND AVE	1927 feet to the ENE	Closed Status Spill (Unk/Other Cause)
52	MANHOLE #58129	31-26 CONEY ISLAND AVE	2022 feet to the ENE	Closed Status Spill (Unk/Other Cause)
59	MANHOLE 32826	10-11 BRIGHTON BEACH AVE	2119 feet to the ENE	Closed Status Spill (Unk/Other Cause)
8	140 BRIGHTON 11TH ST	140 BRIGHTON 11TH ST	2468 feet to the ENE	Closed Status Tank Failure
12	MORNINGSIDE REALTY	3094 BRIGHTON FIVE STREET	1139 feet to the E	Closed Status Tank Test Failure
85	VAULT 4248	BRIGHTON 6 ST/BRIGHTON BEACH AVE	1450 feet to the E	Closed Status Spill (Misc. Spill Cause)
16	CLOSED-LACKOF RECENT INFO	3115 BRIGHTON 6TH STREET	1591 feet to the E	Closed Status Tank Test Failure
17	711 BRIGHTWATER	711 BRIGHTWATER	1919 feet to the E	Closed Status Tank Test Failure
51	BRIGHTON BEACH AV	CONEY ISLAND AVE	1966 feet to the E	Closed Status Spill (Unk/Other Cause)
45	MOTOR OIL SPILL	BRIGHTON 6TH ST/BOARDWALK	1736 feet to the ESE	Closed Status Spill (Unk/Other Cause)
47	3300 CONEY ISLAND AVE	3300 CONEY ISLAND AVE	1904 feet to the ESE	Closed Status Spill (Unk/Other Cause)
54	MANHOLE 35394	NW CORNER CONEY ISLAND AV	2045 feet to the ESE	Closed Status Spill (Unk/Other Cause)
55	MH 35034	BRIDGEWATER CT	2045 feet to the ESE	Closed Status Spill (Unk/Other Cause)
84	219 BRIGHTWATER CT/BKLYN	219 BRIGHTWATER COURT	767 feet to the SE	Closed Status Spill (Misc. Spill Cause)
34	3100 OCEAN PKWY/BKLYN	3100 OCEAN PARKWAY	885 feet to the WSW	Closed Status Spill (Unk/Other Cause)
7	NEW YORK AQUARIUM	801-803 SURF AVE	2569 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
73	CONEY ISLAND AQUARIUM	W 8TH ST/BROADWALK	2569 feet to the WSW	Closed Status Spill (Unk/Other Cause)
33	TRANSFORMER VAULT 5366	3000 OCEAN PARKWAY	694 feet to the W	Closed Status Spill (Unk/Other Cause)
83		3000 OCEAN PARKWAY	694 feet to the W	Closed Status Spill (Misc. Spill Cause)
37	SERVICE BOX 4595	ES OF BRIGHTON & 3RD ST	1371 feet to the W	Closed Status Spill (Unk/Other Cause)
15	CLOSED-LACKOF RECENT INFO	2915 WEST 5TH ST	1493 feet to the W	Closed Status Tank Test Failure
18	2928 W 5TH ST/TRUMP VILL	2928 WEST 5TH ST	1948 feet to the W	Closed Status Tank Test Failure
19	2928 W 5TH ST/BKLYN/TRUMP	2928 WEST 5TH ST	1948 feet to the W	Closed Status Tank Test Failure
6	RESIDENCE	2940 WEST 5TH STREET	1972 feet to the W	Active Haz Spill (Unknown/Other Cause)
61	MANHOLE #68188	608 SHEEPSHEAD BAY RD	2340 feet to the W	Closed Status Spill (Unk/Other Cause)
65	2875 WEST 8TH STREET -MTBE	2875 W. 8TH ST	2470 feet to the W	Closed Status Spill (Unk/Other Cause)
13	460 NEPTUNE AV/TRUMP VILL	460 NEPTUNE AVE	1414 feet to the WNW	Closed Status Tank Test Failure
38	2915 TRUMP VILLAGE	460 NEPTUNE AVE	1414 feet to the WNW	Closed Status Spill (Unk/Other Cause)
43	205081; NEPTUNE AVE VS4897 - S/S NEPTUNE AVE	NEPTUNE AVE VS4897 - S/S NEPTUNE AVE	1655 feet to the WNW	Closed Status Spill (Unk/Other Cause)
44	MANHOLE 1499	WEST 5TH STREET+NEPTUNE	1729 feet to the WNW	Closed Status Spill (Unk/Other Cause)
1	DANGMAN PARK MGP	486 NEPTUNE AVE	1787 feet to the WNW	NYSDEC Inactive Haz Waste Disposal Site
3	K - DANGMAN PARK MGP - CONEY ISLAND	SHEEPSHEAD BAY RD. & WEST 5TH ST.	1823 feet to the WNW	Brownfields Site
9	BRIGHTON PROPERTIES, LLC	624 SHEEPSHEAD BAY ROAD	2488 feet to the WNW	Closed Status Tank Failure
10	BUS GARAGE @BRIGHTON PROP	624 SHEEPSHEAD BAY ROAD	2488 feet to the WNW	Closed Status Tank Failure
2	K - CONEY ISLAND MGP	NEPTUNE AVENUE, CONEY ISLAND	3720 feet to the WNW	NYSDEC Inactive Haz Waste Disposal Site
60	2701 W. SIXTH ST	2701 W. SIXTH ST	2329 feet to the NW	Closed Status Spill (Unk/Other Cause)

76	PS 303K SCHOOL	501 WEST AVE	2624 feet to the NW	Closed Status Spill (Unk/Other Cause)
35	MH 1503	NEPTUNE AVE / OCEAN PARK	1184 feet to the NNW	Closed Status Spill (Unk/Other Cause)
36	MANHOLE 1503	OCEAN PKWAY AND NEPTUNE AVENUE	1184 feet to the NNW	Closed Status Spill (Unk/Other Cause)

Identified Toxic Sites by Category

67 Brighton 1st Lane
Brooklyn, NY 11235

* Compass directions can vary substantially for sites located very close to the subject property address.

NYSDEC Inactive Haz. Waste Disposal Site Registry -- Total Sites - 2			Database searched at 1 MILE - ASTM required search distance: 1 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
1	224047	DANGMAN PARK MGP	486 NEPTUNE AVE	1787 feet to the WNW
2	224026	K - CONEY ISLAND MGP	NEPTUNE AVENUE, CONEY ISLAND	3720 feet to the WNW
Brownfields Sites -- 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	C224047	K - DANGMAN PARK MGP - CONEY ISLAND	SHEEPSHEAD BAY RD. & WEST 5TH ST.	1823 feet to the WNW
Active Haz Spills (Unknown Causes & Other Causes) -- Total Sites - 4			Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
4	9802275	SHELL STATION	359 NEPTUNE AVE	1351 feet to the N
5	9600526	EAGLE GAS	292 NEPTUNE AVENUE	1504 feet to the NNE
6	0607564	RESIDENCE	2940 WEST 5TH STREET	1972 feet to the W
7	0606160	NEW YORK AQUARIUM	801-803 SURF AVE	2569 feet to the WSW
Closed Status 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
8	0403229	140 BRIGHTON 11TH ST	140 BRIGHTON 11TH ST	2468 feet to the ENE
9	9414716	BRIGHTON PROPERTIES, LLC	624 SHEEPSHEAD BAY ROAD	2488 feet to the WNW
10	9313186	BUS GARAGE @BRIGHTON PROP	624 SHEEPSHEAD BAY ROAD	2488 feet to the WNW
Closed Status Tank Test Failures -- Total Sites - 13			Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
11	9815567		250 BRIGHTON BEACH AVE	422 feet to the SE
12	0713771	MORNINGSIDE REALTY	3094 BRIGHTON FIVE STREET	1139 feet to the E
13	8800680	460 NEPTUNE AV/TRUMP VILL	460 NEPTUNE AVE	1414 feet to the WNW
14	9210536	2882 BRIGHTON 3RD STREET	2882 BRIGHTON 3RD STREET	1414 feet to the N
15	8710183	CLOSED-LACKOF RECENT INFO	2915 WEST 5TH ST	1493 feet to the W
16	8803751	CLOSED-LACKOF RECENT INFO	3115 BRIGHTON 6TH STREET	1591 feet to the E
17	9313856	711 BRIGHTWATER	711 BRIGHTWATER	1919 feet to the E
18	8800710	2928 W 5TH ST/TRUMP VILL	2928 WEST 5TH ST	1948 feet to the W
19	8710619	2928 W 5TH ST/BKLYN/TRUMP	2928 WEST 5TH ST	1948 feet to the W
20	8710929	231 NEPTUNE AVE/GETTY STA	231 NEPTUNE AVENUE	2051 feet to the NE
21	8905426		2850 SHORE PARKWAY	2073 feet to the N
22	8903465	3046 CONEY ISLAND AV/BKLY	3046 CONEY ISLAND AVENUE	2388 feet to the NE
23	8903883	3040 CONEY ISLAND/SUNOCO	3040 CONEY ISLAND AVENUE	2586 feet to the NE
Closed Status Spills (Unknown Causes & Other Causes) -- Total Sites - 53			Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile	
MAP ID	FACILITY ID	FACILITY NAME	FACILITY STREET	DISTANCE & DIRECTION
24	0006453	UN FRONT OF 3039 OCEAN PKWY	3039 OCEAN PKWY	412 feet to the W
25	0005852	TM #606	BRIGHTON 2 & BRIGHTON BCH	448 feet to the ESE
26	0402584	MANHOLE #73165	OCEAN PARKY/OCEANVIEW AVE	571 feet to the NW
27	0100555	MH 357250	OCEAN PKWAY/OCEAN VIEW	571 feet to the NW
28	0100315		OCEAN PKWAY/OCEAN VIEW	571 feet to the NW
29	0005556	MANHOLE 64235	OCEAN VIEW AV/OCEAN PKWY	571 feet to the NW
30	9301349	50 BRIGHTON 1ST RD	50 BRIGHTON 1ST RD	587 feet to the SSW
31	9314063	BRIGHTEN BEACH AVE-OCEAN	BRIGHTON BEACH AVE - OCEAN	623 feet to the WSW

32	0801605	MH 1565 HAS EARTHEN SUMP & ONE PT OIL	BRIGHTON BEACH AVE & OCEAN PKY	623 feet to the WSW
33	9903139	TRANSFORMER VAULT 5366	3000 OCEAN PARKWAY	694 feet to the W
34	9010126	3100 OCEAN PKWY/BKLYN	3100 OCEAN PARKWAY	885 feet to the WSW
35	9903345	MH 1503	NEPTUNE AVE / OCEAN PARK	1184 feet to the NNW
36	0511714	MANHOLE 1503	OCEAN PKWAY AND NEPTUNE AVENUE	1184 feet to the NNW
37	0309035	SERVICE BOX 4595	ES OF BRIGHTON & 3RD ST	1371 feet to the W
38	0513999	2915 TRUMP VILLAGE	460 NEPTUNE AVE	1414 feet to the WNW
39	0002485	MH 37291	OCEAN AV AND BRIGHTON 6TH	1504 feet to the NE
40	9906761	EAGLE GAS STATION	292 NEPTUNE AVENUE	1504 feet to the NNE
41	0902662	VEHICLE	30-66 BRIGHTON 7 STREET	1632 feet to the ENE
42	9815448	V877 SUBMERSABLE VAULT	NEPTUNE AVE/E 5TH ST	1646 feet to the NNE
43	0890023	205081; NEPTUNE AVE VS4897 - S/S NEPTUNE AVE	NEPTUNE AVE VS4897 - S/S NEPTUNE AVE	1655 feet to the WNW
44	9914841	MANHOLE 1499	WEST 5TH STREET+NEPTUNE	1729 feet to the WNW
45	0806653	MOTOR OIL SPILL	BRIGHTON 6TH ST/BOARDWALK	1736 feet to the ESE
46	0002491	MANHOLE 37294	BRIGHTON 7TH ST/OCEAN VIW	1749 feet to the ENE
47	9605240	3300 CONEY ISLAND AVE	3300 CONEY ISLAND AVE	1904 feet to the ESE
48	0307798	MH 37296	BRIGHTON ST/OCEANVIEW AVE	1905 feet to the ENE
49	9503667	CONEY ISLAND WPCP	2727 OCEAN PKWY & C.I. WT	1913 feet to the N
50	0905786	MANHOLE 35390 EMIS 218046	3168 CONEY ISLAND AVE	1927 feet to the ENE
51	0105656	BRIGHTON BEACH AV	CONEY ISLAND AVE	1966 feet to the E
52	0411560	MANHOLE #58129	31-26 CONEY ISLAND AVE	2022 feet to the ENE
53	0613808	WATERS RESIDENCE	2853 BRIGHTON 6TH STREET	2034 feet to the NNE
54	9914358	MANHOLE 35394	NW CORNER CONEY ISLAND AV	2045 feet to the ESE
55	0004852	MH 35034	BRIDGEWATER CT	2045 feet to the ESE
56	0301291	VAULT 4886	BRIGHTON 7TH ST/NEPTUNE	2047 feet to the NE
57	9805792	EMPTY LOT	231 NEPTUNE AVE	2051 feet to the NE
58	0613305	WATERS HOME	2849 BRIGHTON 6TH STREET	2056 feet to the NNE
59	0003367	MANHOLE 32826	10-11 BRIGHTON BEACH AVE	2119 feet to the ENE
60	9405725	2701 W. SIXTH ST	2701 W. SIXTH ST	2329 feet to the NW
61	0314117	MANHOLE #68188	608 SHEEPSHEAD BAY RD	2340 feet to the W
62	0100092	MAN HOLE # 59865	BANNER AVE/6TH ST	2346 feet to the NNE
63	0208101	SERVICE BOX 35382	3068 CONEY ISLAND AVE	2351 feet to the NE
64	0000859	MANHOLE 2852	2762 BRIGHTON 6TH ST	2371 feet to the NNE
65	9005722	2875 WEST 8TH STREET -MTBE	2875 W. 8TH ST	2470 feet to the W
66	9502501	OCEAN PKWY & SHORE PKWY	OCEAN PKWY & SHORE PKWY	2470 feet to the N
67	0409477	MAN HOLE 1509	OCEAN PKWY & SHORE PKWY	2470 feet to the N
68	0011569	MANHOLE 1509	OCEAN PKY & SHORE PKY	2470 feet to the N
69	0010032	MANHOLE 62992	OCEAN PARKWAY AT SHORE PK	2470 feet to the N
70	0613972	FOUND STAINED SOIL WHILE DRILLING	NEPTUNE & CONEY ISLAND AVENUES	2542 feet to the NE
71	0107368	MANHOLE 36471	NEPTUNE AV / CONEY ISLAND	2542 feet to the NE
72	0012961	MANHOLE 36471	NEPTUNE AVE & CONEY ISLD.	2542 feet to the NE
73	9610452	CONEY ISLAND AQUARIUM	W 8TH ST/BROADWALK	2569 feet to the WSW
74	0408387	BETWEEN NEPTUNE AVE. AND	3033 CONEY ISLAND AVE	2588 feet to the NE
75	0300647	RESIDENCE	2789 BRIGHTON 8TH ST	2601 feet to the NE
76	1005264	PS 303K SCHOOL	501 WEST AVE	2624 feet to the NW

Closed Status Spills (Miscellaneous Spill Causes) -- Total Sites - 10

MAP ID	FACILITY ID	FACILITY NAME
77	0408378	X
78	9912059	3101 BRIGHTON
79	9814272	
80	0504852	SB 23726
81	0006191	VS 6224

Database searched at 1/2 MILE - ASTM required search distance: 1/2 Mile

FACILITY STREET	DISTANCE & DIRECTION
31-11 BRIGHTON FIRST PLACE	583 feet to the SE
3101 BRIGHTON 2ND ST	623 feet to the ESE
OCEAN PKY & BRIGHTON BEAC	623 feet to the WSW
OCEAN PKWY AND BRIGHTON BEACH AVE	623 feet to the WSW
OCEAN PARKY/BRIGHTON AVE	623 feet to the WSW

82	0005755	VAULT VS6224	OCEAN PARKWAY/BRIGHTON AV	623 feet to the WSW
83	0104942		3000 OCEAN PARKWAY	694 feet to the W
84	9005106	219 BRIGHTWATER CT/BKLYN	219 BRIGHTWATER COURT	767 feet to the SE
85	0507101	VAULT 4248	BRIGHTON 6 ST/BRIGHTON BEACH AVE	1450 feet to the E
86	9503695	BELY PKWY/OCEAN PKWY	BELT PKWY/OCEAN PKWY	2470 feet to the N

Petroleum Bulk Storage Sites -- Total Sites - 16

MAP ID	FACILITY ID	FACILITY NAME
87	2-315710	3017 OCEAN PARKWAY OWNERS CORP.
88	2-320048	THE IDASIL
89	2-286958	3045 OCEAN PKWY TENANTS CORP
90	2-189529	LUSTAR RALTY CORP
91	2-046167	MIKLOS A. VASARHELYI
92	2-608557	J & D I REALTY, LLC.
93	2-608358	BRIGHTWATER CT ASS
94	2-150061	3100 BRIGHTON 2ND STREET
95	2-083135	NEW BROOKLYN REALTY LLC
96	2-271047	UNITED MGMT. CORP
97	2-327107	40/50 BRIGHTON 1ST RD CORPORATION
98	2-082716	129 OCEANVIEW AVE
99	2-080934	SHEILA CARROLL
100	2-158615	BRIGHTON REALTY COMPANY
101	NY02055	BLANNOR REALTY CO
102	2-243884	3101 OCEAN PARKWAY

Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent

FACILITY STREET	DISTANCE & DIRECTION
3017 OCEAN PARKWAY	295 feet to the WNW
3039 OCEAN PARKWAY	298 feet to the W
3045 OCEAN PARKWAY	328 feet to the WSW
9-21 BRIGHTON 1ST RD	448 feet to the SSE
2985 OCEAN PARKWAY	452 feet to the NNW
3102 BRIGHTON FIRST PLACE	467 feet to the SSE
101 BRIGHTWATER COURT	551 feet to the S
3100 BRIGHTON 2ND STREET	571 feet to the SE
115 BRIGHTWATER CT	572 feet to the SSE
3111 BRIGHTON 1ST PLACE	583 feet to the SE
40-50 BRIGHTON 1ST ROAD	585 feet to the S
129 OCEANVIEW AVE	585 feet to the N
291 BRIGHTON BEACH AVE	611 feet to the E
3101 BRIGHTON 2ND STREET	637 feet to the ESE
3095 BRIGHTON 2 ST	637 feet to the ESE
3101 OCEAN PARKWAY	645 feet to the SSW

Hazardous Waste Generators, Transporters -- Total Sites - 8

MAP ID	FACILITY ID	FACILITY NAME
103	NYD020585048	YORK CLNRS
104	NYD093768489	KWIKI KLEEN
105	NYP004039012	CONSOLIDATED EDISON
106	NYP004191433	CONSOLIDATED EDISON MH73166
107	NYP004079992	CONSOLIDATED EDISON
108	NYP004059846	CONSOLIDATED EDISON
109	NYP004060190	CONSOLIDATED EDISON
110	NYR000017509	NYCTA-OCEAN PKWY STATION

Database searched at 1/8 MILE - ASTM required search distance: Property & Adjacent

FACILITY STREET	DISTANCE & DIRECTION
211 BRIGHTON BEACH AVE	161 feet to the SSW*
256 BRIGHTEN BEACH AVE	439 feet to the SE
VS5366-OCEAN PKY	552 feet to the W
2975 OCEAN PKWY & OCEANVIEW AV	566 feet to the NNW
V1849 OCEANVIEW AVE & OCEAN PK	571 feet to the NW
MH64235-OCEANVIEW & OCEAN PKWY	571 feet to the NW
V6224-OCEAN PKWY & BRIGHTON BE	623 feet to the WSW
BRIGHTON BEACH AVE/OCEAN PKWY	623 feet to the WSW

Air Discharge Sites -- Total Sites - 1

MAP ID	FACILITY ID	FACILITY NAME
111	36047P000Q	TRUMP VILLAGE SEC 2, INC.

Database searched at 1/8 MILE - Non-ASTM Database

FACILITY STREET	DISTANCE & DIRECTION
3000 OCEAN PARKWAY	658 feet to the W

Identified Toxic Sites by Proximity

67 Brighton 1st Lane, Brooklyn, NY 11235

* Compass directions can vary substantially for sites located very close to the subject property address.

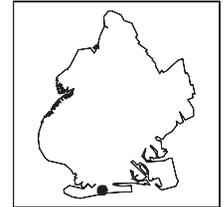
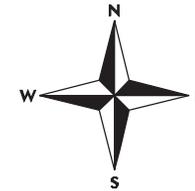
Map Id#	Site Name	Site Street	Approximate Distance & Direction From Property	Toxic Site Category
103	YORK CLNRS	211 BRIGHTON BEACH AVE	161 feet to the SSW*	Hazardous Waste Generator/Transporter
87	3017 OCEAN PARKWAY OWNERS CORP.	3017 OCEAN PARKWAY	295 feet to the WNW	Petroleum Bulk Storage Site
88	THE IDASIL	3039 OCEAN PARKWAY	298 feet to the W	Petroleum Bulk Storage Site
89	3045 OCEAN PKWY TENANTS CORP	3045 OCEAN PARKWAY	328 feet to the WSW	Petroleum Bulk Storage Site
24	UN FRONT OF 3039 OCEAN PKWY	3039 OCEAN PKWY	412 feet to the W	Closed Status Spill (Unk/Other Cause)
11		250 BRIGHTON BEACH AVE	422 feet to the SE	Closed Status Tank Test Failure
104	KWIKI KLEEN	256 BRIGHTEN BEACH AVE	439 feet to the SE	Hazardous Waste Generator/Transporter
25	TM #606	BRIGHTON 2 & BRIGHTON BCH	448 feet to the ESE	Closed Status Spill (Unk/Other Cause)
90	LUSTAR RALTY CORP	9-21 BRIGHTON 1ST RD	448 feet to the SSE	Petroleum Bulk Storage Site
91	MIKLOS A. VASARHELYI	2985 OCEAN PARKWAY	452 feet to the NNW	Petroleum Bulk Storage Site
92	J & D I REALTY, LLC.	3102 BRIGHTON FIRST PLACE	467 feet to the SSE	Petroleum Bulk Storage Site
93	BRIGHTWATER CT ASS	101 BRIGHTWATER COURT	551 feet to the S	Petroleum Bulk Storage Site
105	CONSOLIDATED EDISON	VS5366-OCEAN PKY	552 feet to the W	Hazardous Waste Generator/Transporter
106	CONSOLIDATED EDISON MH73166	2975 OCEAN PKWY & OCEANVIEW AV	566 feet to the NNW	Hazardous Waste Generator/Transporter
26	MANHOLE #73165	OCEAN PARKY/OCEANVIEW AVE	571 feet to the NW	Closed Status Spill (Unk/Other Cause)
27	MH 357250	OCEAN PKWAY/OCEAN VIEW	571 feet to the NW	Closed Status Spill (Unk/Other Cause)
28		OCEAN PKWAY/OCEAN VIEW	571 feet to the NW	Closed Status Spill (Unk/Other Cause)
29	MANHOLE 64235	OCEAN VIEW AV/OCEAN PKWY	571 feet to the NW	Closed Status Spill (Unk/Other Cause)
94	3100 BRIGHTON 2ND STREET	3100 BRIGHTON 2ND STREET	571 feet to the SE	Petroleum Bulk Storage Site
107	CONSOLIDATED EDISON	V1849 OCEANVIEW AVE & OCEAN PK	571 feet to the NW	Hazardous Waste Generator/Transporter
108	CONSOLIDATED EDISON	MH64235-OCEANVIEW & OCEAN PKWY	571 feet to the NW	Hazardous Waste Generator/Transporter
95	NEW BROOKLYN REALTY LLC	115 BRIGHTWATER CT	572 feet to the SSE	Petroleum Bulk Storage Site
77	X	31-11 BRIGHTON FIRST PLACE	583 feet to the SE	Closed Status Spill (Misc. Spill Cause)
96	UNITED MGMT. CORP	3111 BRIGHTON 1ST PLACE	583 feet to the SE	Petroleum Bulk Storage Site
97	40/50 BRIGHTON 1ST RD CORPORATION	40-50 BRIGHTON 1ST ROAD	585 feet to the S	Petroleum Bulk Storage Site
98	129 OCEANVIEW AVE	129 OCEANVIEW AVE	585 feet to the N	Petroleum Bulk Storage Site
30	50 BRIGHTON 1ST RD	50 BRIGHTON 1ST RD	587 feet to the SSW	Closed Status Spill (Unk/Other Cause)
99	SHEILA CARROLL	291 BRIGHTON BEACH AVE	611 feet to the E	Petroleum Bulk Storage Site
31	BRIGHTEN BEACH AVE-OCEAN	BRIGHTON BEACH AVE - OCEAN	623 feet to the WSW	Closed Status Spill (Unk/Other Cause)
32	MH 1565 HAS EARTHEN SUMP & ONE PT OIL	BRIGHTON BEACH AVE & OCEAN PKY	623 feet to the WSW	Closed Status Spill (Unk/Other Cause)
78	3101 BRIGHTON	3101 BRIGHTON 2ND ST	623 feet to the ESE	Closed Status Spill (Misc. Spill Cause)
79		OCEAN PKY & BRIGHTON BEAC	623 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
80	SB 23726	OCEAN PKWY AND BRIGHTON BEACH AVE	623 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
81	VS 6224	OCEAN PARKY/BRIGHTON AVE	623 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
82	VAULT VS6224	OCEAN PARKWAY/BRIGHTON AV	623 feet to the WSW	Closed Status Spill (Misc. Spill Cause)
109	CONSOLIDATED EDISON	V6224-OCEAN PKWY & BRIGHTON BE	623 feet to the WSW	Hazardous Waste Generator/Transporter
110	NYCTA-OCEAN PKWY STATION	BRIGHTON BEACH AVE/OCEAN PKWY	623 feet to the WSW	Hazardous Waste Generator/Transporter
100	BRIGHTON REALTY COMPANY	3101 BRIGHTON 2ND STREET	637 feet to the ESE	Petroleum Bulk Storage Site
101	BLANNOR REALTY CO	3095 BRIGHTON 2 ST	637 feet to the ESE	Petroleum Bulk Storage Site
102	3101 OCEAN PARKWAY	3101 OCEAN PARKWAY	645 feet to the SSW	Petroleum Bulk Storage Site
111	TRUMP VILLAGE SEC 2, INC.	3000 OCEAN PARKWAY	658 feet to the W	Air Discharge Site
33	TRANSFORMER VAULT 5366	3000 OCEAN PARKWAY	694 feet to the W	Closed Status Spill (Unk/Other Cause)
83		3000 OCEAN PARKWAY	694 feet to the W	Closed Status Spill (Misc. Spill Cause)
84	219 BRIGHTWATER CT/BKLYN	219 BRIGHTWATER COURT	767 feet to the SE	Closed Status Spill (Misc. Spill Cause)
34	3100 OCEAN PKWY/BKLYN	3100 OCEAN PARKWAY	885 feet to the WSW	Closed Status Spill (Unk/Other Cause)

12	MORNINGSIDE REALTY	3094 BRIGHTON FIVE STREET	1139 feet to the E	Closed Status Tank Test Failure
35	MH 1503	NEPTUNE AVE / OCEAN PARK	1184 feet to the NNW	Closed Status Spill (Unk/Other Cause)
36	MANHOLE 1503	OCEAN PKWAY AND NEPTUNE AVENUE	1184 feet to the NNW	Closed Status Spill (Unk/Other Cause)
4	SHELL STATION	359 NEPTUNE AVE	1351 feet to the N	Active Haz Spill (Unknown/Other Cause)
37	SERVICE BOX 4595	ES OF BRIGHTON & 3RD ST	1371 feet to the W	Closed Status Spill (Unk/Other Cause)
13	460 NEPTUNE AV/TRUMP VILL	460 NEPTUNE AVE	1414 feet to the WNW	Closed Status Tank Test Failure
14	2882 BRIGHTON 3RD STREET	2882 BRIGHTON 3RD STREET	1414 feet to the N	Closed Status Tank Test Failure
38	2915 TRUMP VILLAGE	460 NEPTUNE AVE	1414 feet to the WNW	Closed Status Spill (Unk/Other Cause)
85	VAULT 4248	BRIGHTON 6 ST/BRIGHTON BEACH AVE	1450 feet to the E	Closed Status Spill (Misc. Spill Cause)
15	CLOSED-LACKOF RECENT INFO	2915 WEST 5TH ST	1493 feet to the W	Closed Status Tank Test Failure
5	EAGLE GAS	292 NEPTUNE AVENUE	1504 feet to the NNE	Active Haz Spill (Unknown/Other Cause)
39	MH 37291	OCEAN AV AND BRIGHTON 6TH	1504 feet to the NE	Closed Status Spill (Unk/Other Cause)
40	EAGLE GAS STATION	292 NEPTUNE AVENUE	1504 feet to the NNE	Closed Status Spill (Unk/Other Cause)
16	CLOSED-LACKOF RECENT INFO	3115 BRIGHTON 6TH STREET	1591 feet to the E	Closed Status Tank Test Failure
41	VEHICLE	30-66 BRIGHTON 7 STREET	1632 feet to the ENE	Closed Status Spill (Unk/Other Cause)
42	V877 SUBMERSABLE VAULT	NEPTUNE AVE/E 5TH ST	1646 feet to the NNE	Closed Status Spill (Unk/Other Cause)
43	205081; NEPTUNE AVE VS4897 - S/S NEPTUNE AVE	NEPTUNE AVE VS4897 - S/S NEPTUNE AVE	1655 feet to the WNW	Closed Status Spill (Unk/Other Cause)
44	MANHOLE 1499	WEST 5TH STREET+NEPTUNE	1729 feet to the WNW	Closed Status Spill (Unk/Other Cause)
45	MOTOR OIL SPILL	BRIGHTON 6TH ST/BOARDWALK	1736 feet to the ESE	Closed Status Spill (Unk/Other Cause)
46	MANHOLE 37294	BRIGHTON 7TH ST/OCEAN VIW	1749 feet to the ENE	Closed Status Spill (Unk/Other Cause)
1	DANGMAN PARK MGP	486 NEPTUNE AVE	1787 feet to the WNW	NYSDEC Inactive Haz Waste Disposal Site
3	K - DANGMAN PARK MGP - CONEY ISLAND	SHEEPSHEAD BAY RD. & WEST 5TH ST.	1823 feet to the WNW	Brownfields Site
47	3300 CONEY ISLAND AVE	3300 CONEY ISLAND AVE	1904 feet to the ESE	Closed Status Spill (Unk/Other Cause)
48	MH 37296	BRIGHTON ST/OCEANVIEW AVE	1905 feet to the ENE	Closed Status Spill (Unk/Other Cause)
49	CONEY ISLAND WPCP	2727 OCEAN PKWY & C.I. WT	1913 feet to the N	Closed Status Spill (Unk/Other Cause)
17	711 BRIGHTWATER	711 BRIGHTWATER	1919 feet to the E	Closed Status Tank Test Failure
50	MANHOLE 35390 EMIS 218046	3168 CONEY ISLAND AVE	1927 feet to the ENE	Closed Status Spill (Unk/Other Cause)
18	2928 W 5TH ST/TRUMP VILL	2928 WEST 5TH ST	1948 feet to the W	Closed Status Tank Test Failure
19	2928 W 5TH ST/BKLYN/TRUMP	2928 WEST 5TH ST	1948 feet to the W	Closed Status Tank Test Failure
51	BRIGHTON BEACH AV	CONEY ISLAND AVE	1966 feet to the E	Closed Status Spill (Unk/Other Cause)
6	RESIDENCE	2940 WEST 5TH STREET	1972 feet to the W	Active Haz Spill (Unknown/Other Cause)
52	MANHOLE #58129	31-26 CONEY ISLAND AVE	2022 feet to the ENE	Closed Status Spill (Unk/Other Cause)
53	WATERS RESIDENCE	2853 BRIGHTON 6TH STREET	2034 feet to the NNE	Closed Status Spill (Unk/Other Cause)
54	MANHOLE 35394	NW CORNER CONEY ISLAND AV	2045 feet to the ESE	Closed Status Spill (Unk/Other Cause)
55	MH 35034	BRIDGEWATER CT	2045 feet to the ESE	Closed Status Spill (Unk/Other Cause)
56	VAULT 4886	BRIGHTON 7TH ST/NEPTUNE	2047 feet to the NE	Closed Status Spill (Unk/Other Cause)
20	231 NEPTUNE AVE/GETTY STA	231 NEPTUNE AVENUE	2051 feet to the NE	Closed Status Tank Test Failure
57	EMPTY LOT	231 NEPTUNE AVE	2051 feet to the NE	Closed Status Spill (Unk/Other Cause)
58	WATERS HOME	2849 BRIGHTON 6TH STREET	2056 feet to the NNE	Closed Status Spill (Unk/Other Cause)
21		2850 SHORE PARKWAY	2073 feet to the N	Closed Status Tank Test Failure
59	MANHOLE 32826	10-11 BRIGHTON BEACH AVE	2119 feet to the ENE	Closed Status Spill (Unk/Other Cause)
60	2701 W. SIXTH ST	2701 W. SIXTH ST	2329 feet to the NW	Closed Status Spill (Unk/Other Cause)
61	MANHOLE #68188	608 SHEEPSHEAD BAY RD	2340 feet to the W	Closed Status Spill (Unk/Other Cause)
62	MAN HOLE # 59865	BANNER AVE/6TH ST	2346 feet to the NNE	Closed Status Spill (Unk/Other Cause)
63	SERVICE BOX 35382	3068 CONEY ISLAND AVE	2351 feet to the NE	Closed Status Spill (Unk/Other Cause)
64	MANHOLE 2852	2762 BRIGHTON 6TH ST	2371 feet to the NNE	Closed Status Spill (Unk/Other Cause)
22	3046 CONEY ISLAND AV/BKLY	3046 CONEY ISLAND AVENUE	2388 feet to the NE	Closed Status Tank Test Failure
8	140 BRIGHTON 11TH ST	140 BRIGHTON 11TH ST	2468 feet to the ENE	Closed Status Tank Failure
65	2875 WEST 8TH STREET -MTBE	2875 W. 8TH ST	2470 feet to the W	Closed Status Spill (Unk/Other Cause)
66	OCEAN PKWY & SHORE PKWY	OCEAN PKWY & SHORE PKWY	2470 feet to the N	Closed Status Spill (Unk/Other Cause)
67	MAN HOLE 1509	OCEAN PKWY & SHORE PKWY	2470 feet to the N	Closed Status Spill (Unk/Other Cause)
68	MANHOLE 1509	OCEAN PKY & SHORE PKY	2470 feet to the N	Closed Status Spill (Unk/Other Cause)
69	MANHOLE 62992	OCEAN PARKWAY AT SHORE PK	2470 feet to the N	Closed Status Spill (Unk/Other Cause)

86	BELY PKWY/OCEAN PKWY	BELT PKWY/OCEAN PKWY	2470 feet to the N	Closed Status Spill (Misc. Spill Cause)
9	BRIGHTON PROPERTIES, LLC	624 SHEEPSHEAD BAY ROAD	2488 feet to the WNW	Closed Status Tank Failure
10	BUS GARAGE @BRIGHTON PROP	624 SHEEPSHEAD BAY ROAD	2488 feet to the WNW	Closed Status Tank Failure
70	FOUND STAINED SOIL WHILE DRILLING	NEPTUNE & CONEY ISLAND AVENUES	2542 feet to the NE	Closed Status Spill (Unk/Other Cause)
71	MANHOLE 36471	NEPTUNE AV / CONEY ISLAND	2542 feet to the NE	Closed Status Spill (Unk/Other Cause)
72	MANHOLE 36471	NEPTUNE AVE & CONEY ISLD.	2542 feet to the NE	Closed Status Spill (Unk/Other Cause)
7	NEW YORK AQUARIUM	801-803 SURF AVE	2569 feet to the WSW	Active Haz Spill (Unknown/Other Cause)
73	CONEY ISLAND AQUARIUM	W 8TH ST/BROADWALK	2569 feet to the WSW	Closed Status Spill (Unk/Other Cause)
23	3040 CONEY ISLAND/SUNOCO	3040 CONEY ISLAND AVENUE	2586 feet to the NE	Closed Status Tank Test Failure
74	BETWEEN NEPTUNE AVE. AND	3033 CONEY ISLAND AVE	2588 feet to the NE	Closed Status Spill (Unk/Other Cause)
75	RESIDENCE	2789 BRIGHTON 8TH ST	2601 feet to the NE	Closed Status Spill (Unk/Other Cause)
76	PS 303K SCHOOL	501 WEST AVE	2624 feet to the NW	Closed Status Spill (Unk/Other Cause)
2	K - CONEY ISLAND MGP	NEPTUNE AVENUE, CONEY ISLAND	3720 feet to the WNW	NYSDEC Inactive Haz Waste Disposal Site

Toxics Targeting 1 Mile Radius Map

67 Brighton 1st Lane
Brooklyn, NY 11235



Kings County



National Priority List (NPL)



Inactive Hazardous Waste Disposal Registry Site



Inact. Haz Waste Disp. Registry Qualifying



RCRA Corrective Action Facility



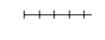
Site Location



Waterbody



County Border



Railroad Tracks



1 Mile Radius



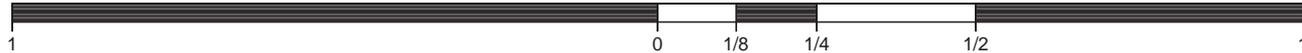
1/2 Mile Radius



1/4 Mile Radius



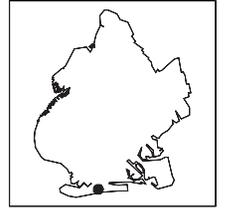
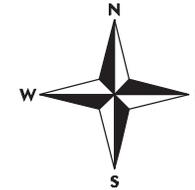
1/8 Mile Radius



Distance in Miles

Toxics Targeting 1/2 Mile Radius Map

67 Brighton 1st Lane
Brooklyn, NY 11235



Kings County

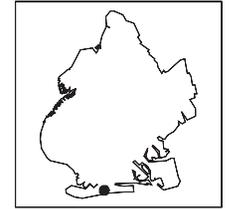
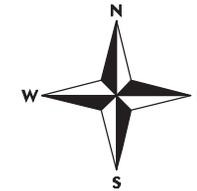
- Delisted NPL Site
- CERCLIS Superfund Non-NFRAP Site
- CERCLIS Superfund NFRAP Site
- Hazardous Waste Treater, Storer, Disposer
- Hazardous Substance Waste Disposal Site
- Solid Waste Facility
- Brownfields Site
- Hazardous Material Spill
- MTBE Gasoline Additive Spill

- 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 Closeup Map

67 Brighton 1st Lane
Brooklyn, NY 11235



Kings County

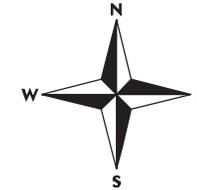
- | | |
|---|--|
| National Priority List (NPL) * | Delisted NPL Site ** |
| CERCLIS Superfund Non-NFRAP Site ** | CERCLIS Superfund NFRAP Site |
| Inactive Hazardous Waste Disposal Registry Site * | Inact. Haz Waste Disp. Registry Qualifying * |
| Hazardous Waste Treater, Storer, Disposer ** | RCRA 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
**** 1/8 Mile Search Radius
** 1/2 Mile Search Radius
***** Onsite Search (250 Ft)

Toxics Targeting Tax Parcel Map

67 Brighton 1st Lane Brooklyn, NY 11235



Kings 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

**67 Brighton 1st Lane
Brooklyn, NY 11235**

Subject Parcel or Parcels

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
3-08670-0080	67 BRIGHTON 1 LANE	ROSE WASSERBERGER	R6	V0	0		7280	2025

Other Parcels Found On The Tax Parcel Map

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
3-08669-0005	3024 BRIGHTON 1 STREET	JOSEPH SHAJAN K	R6	C0	1	1930	12576	2800
3-08669-0007	3028 BRIGHTON 1 STREET	ESFIR ROITMAN	R6	C0	1	1930	14659	2800
3-08669-0008	3032 BRIGHTON 1 STREET	ALFRED SALANITRO	R6	B2	1	1930	14880	2800
3-08669-0009	3034 BRIGHTON 1 STREET	A	R6	B9	2	1931	12820	1724
3-08669-0010	3034A BRIGHTON 1 STREET	A	R6	A9	2	1930	4976	2800
3-08669-0011	3038 BRIGHTON 1 STREET	A & E WEST END OWNERS	R6	B2	1	1930	15360	2800
3-08669-0013	3042 BRIGHTON 1 STREET	MANUEL GONZALEZ	R6	C0	1	1930	14307	2800
3-08669-0014	3044 BRIGHTON 1 STREET	CLARA SENZER	R6	A1	1	1930	14976	2800
3-08669-0015	3048 BRIGHTON 1 STREET	ARMEN AVETISIAN	R6	B3	1	1930	13804	2800
3-08669-0017	3050 BRIGHTON 1 STREET	ALIA IJAZ	R6	B9	2	1899	16800	2000
3-08669-0018	3052 BRIGHTON 1 STREET	LEV LOUSSOUFOV	R6	B3	2	1899	15136	2000
3-08669-0019	3054 BRIGHTON 1 STREET	LEV LOUSSOUFOV	R6	B9	2	1899	16800	2000
3-08669-0020	3056 BRIGHTON 1 STREET	LEV LOUSSOUFOV	R6	C5	1	1931	26890	2000
3-08669-0021	3058 BRIGHTON 1 STREET	SHVARTSSHTEYN, RUSSEL	R6	B3	1	1930	13536	2000
3-08669-0022	3060 BRIGHTON 1 STREET	ZAFAR IQBAL	R6	B3	1	1930	13516	2000
3-08669-0023	3062 BRIGHTON 1 STREET	BERNARDO CARMINE	R6	C2	1	1931	33174	2000
3-08669-0024	3064 BRIGHTON 1 STREET	BERNARDO CARMINE	R6	C3	1	1931	35964	2000
3-08669-0025	3066 BRIGHTON 1 STREET	AIVAZOV, MORDECHAY	R6	C5	1	1931	33306	2000
3-08669-0026	3068 BRIGHTON 1 STREET	ROMAN VULAKHELLA VULA	R6	B3	1	1930	13516	2000
3-08669-0027	3070 BRIGHTON 1 STREET	J & I PROPERTY MANAGE	R6	C0	2	1930	13344	2000
3-08669-0028	3072 BRIGHTON 1 STREET	VALENTINA KURBATSKY	R6	O9	1	1930	140850	2000
3-08669-0055	125 BRIGHTON BEACH AVE	BENDERSKY REAL ESTATE	R6	K2	3	1922	325800	5490
3-08669-0058	123 BRIGHTON BEACH AVE	VITO BUCCELLATO	R6	K4	1	1922	102600	2087
3-08669-0059	117 BRIGHTON BEACH AVE	AHMED, ZAID	R6	K2	1	1922	97650	2108
3-08669-0062	3051 OCEAN PARKWAY	LIANOS, HELEN	R6	K2	1	2000	1300500	14350
3-08669-0068	3045 OCEAN PARKWAY	3045 OCEAN PKWY TENAN	R6	C6	1	1931	355950	13000
3-08669-0073	3039 OCEAN PARKWAY	3039 OCEAN TENANTS CO	R6	C6	1	1925	321300	10400
3-08669-0077	3017 OCEAN PARKWAY	3017 OCEAN PKWY OWNER	R6	C6	1	1924	342450	15600
3-08669-0083	3009 OCEAN PARKWAY	JAYBAR REALTY COMPANY	R6	O7	1	1930	140850	3250
3-08669-0084	3007 OCEAN PARKWAY	HOWSET REALTY COMPANY	R6	O7	1	1922	138150	3088
3-08669-0085	3003 OCEAN PARKWAY	ALYMAT REALTY COMPANY	R6	O7	1	1922	116100	3087
3-08669-0086	3001 OCEAN PARKWAY	SOFIA ERENBURG	R6	C0	1	1930	17418	3088
3-08669-0088	2997 OCEAN PARKWAY	CHABAD LUBAVITCH OF W	R6	M1	1	1922	117450	3088
3-08669-0089	2995 OCEAN PARKWAY	SANDRA WILDE	R6	O8	1	1930	159750	3088
3-08669-0090	2993 OCEAN PARKWAY	IRA M. BAROCAS	R6	C0	1	1930	14515	3510
3-08670-0001	3035 BRIGHTON 1 STREET	B & B REALTY LLC	R6	B3	1	1899	13027	2025
3-08670-0003	3031 BRIGHTON 1 STREET	LARISA MISHINA	R6	B3	1	1910	13228	2025
3-08670-0005	53 BRIGHTON 1 STREET	MOISES NEUAH	R6	B3	1	1901	12000	2530

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
3-08670-0007	3042 BRIGHTON 1 PLACE	B & B REALTY LLC	R6	C2	2	1931	35910	2878
3-08670-0041	231 BRIGHTON BEACH AVE	BERSTEIN ARTHUR	R6	K2	1	1925	175050	2000
3-08670-0042	229 BRIGHTON BEACH AVE	ABRAMZON, EDUARD	R6	K2	1	1925	170550	2000
3-08670-0043	227 BRIGHTON BEACH AVE	TINKOV, MICHAEL	R6	K2	1	1925	218700	2000
3-08670-0044	225 BRIGHTON BEACH AVE	SOSINSKY, ROMAN	R6	K2	1	1925	144900	2000
3-08670-0045	223 BRIGHTON BEACH AVE	INZHIN, ALEX	R6	K2	1	1925	134550	1950
3-08670-0046	221 BRIGHTON BEACH AVE	ALTER, ANATOLY	R6	K4	1	1925	126450	2050
3-08670-0047	219 BRIGHTON BEACH AVE	SEROD REALTY, INC	R6	K2	1	1925	147600	2000
3-08670-0048	217 BRIGHTON BEACH AVE	VALERY MEZHIBOVSKY	R6	K2	1	1925	97650	2000
3-08670-0049	215 BRIGHTON BEACH AVE	OLGA WEISS	R6	K2	1	1925	130050	2000
3-08670-0050	211 BRIGHTON BEACH AVE	ROUBEN VARTANOV	R6	K9	1	1925	168750	2000
3-08670-0051	207 BRIGHTON BEACH AVE	ROUBEN VARTANOV	R6	K9	1	1925	168750	2000
3-08670-0052	205 BRIGHTON BEACH AVE	LUIZA MEZHIBOVSKY	R6	K2	1	1925	145800	2000
3-08670-0053	203 BRIGHTON BEACH AVE	LISOGOR, SOFIA	R6	K2	1	1925	126000	1364
3-08670-0055	3069 BRIGHTON 1 STREET	MOHAMMED, MAZARK	R6	A2	1	1910	13478	3447
3-08670-0058	70 BRIGHTON 1 LANE	AHMAD, SULTAN	R6	B2	1	1910	11520	1800
3-08670-0060	71 BRIGHTON 1 LANE	MUNG LUNG YU	R6	A2	1	1910	11520	1800
3-08670-0062	72 BRIGHTON 1 LANE	MICHELLE STOLIN	R6	A2	1	1910	11232	1800
3-08670-0064	73 BRIGHTON 1 PLACE	SU FANC LI	R6	A2	1	1915	10752	1800
3-08670-0076	65 BRIGHTON 1 LANE	FILIP GONTMACHER	R6	C0	1	1910	15552	2025
3-08670-0078	215 BRIGHTON 1 LANE	FRIEDMAN BROS REALTY	R6	C2	1	1931	72900	2025
3-08670-0082	3065 BRIGHTON 1 STREET	LAI SUET LAU A/K/A LI	R6	B3	1	1920	15273	3148
3-08670-0084	3055 BRIGHTON 1 STREET	7744 REALTY CORP	R6	B3	1	1920	11904	1744
3-08670-0086	62 BRIGHTON 1 TERRACE	KOIFMAN, ACIA	R6	A2	1	1910	11520	1800
3-08670-0088	63 BRIGHTON 1 TERRACE	TOOLARIN MANOO	R6	A2	1	1910	6686	1800
3-08670-0090	64 BRIGHTON 1 TERRACE	GLORIA MANOO	R6	C0	1	1932	11424	1800
3-08670-0092	3044 BRIGHTON 1 PLACE	SHAH, SYED Q	R6	C3	1	1931	38710	2025
3-08670-0094	207 BRIGHTON 1 STREET	BORIS KRYZHAPOLSKY	R6	C2	1	1931	31417	3355
3-08670-0096	3047 BRIGHTON 1 STREET	SHAKEELA MAHMOOD BUTT	R6	C0	1	1901	14688	2786
3-08670-0099	3043 BRIGHTON 1 STREET	FRANK ROSEMBERG	R6	V0	0		6093	2025
3-08671-0060	52 BRIGHTON 1 PLACE	THOMAS PHILIP V	R6	B3	1	1910	12480	1800
3-08671-0062	51 BRIGHTON 1 PLACE	TORRES, ADA LUZ	R6	A2	1	1910	10989	1800
3-08671-0064	50 BRIGHTON 1 PLACE	S VEZJAR	R6	A1	1	1905	14400	1800
3-08671-0066	3045 BRIGHTON 1 PLACE	FANNY BEKAS	R6	B1	1	1960	17088	1800
3-08671-0068	3047 BRIGHTON 1 PLACE	VERA NAIMAN	R6	B1	1	1960	16800	1560
3-08671-0069	3049 BRIGHTON 1 PLACE	NG, SUE WAH	R6	B1	1	1960	14976	1560
3-08671-0070	3053 BRIGHTON 1 PLACE	REVIS, JURI	R6	B1	1	1960	17184	1785
3-08671-0071	3055 BRIGHTON 1 PLACE	KONG HUAI ZHONG	R6	B1	1	1960	17088	726
3-08671-0072	46 BRIGHTON 1 PLACE	KONG HUAI ZHONG	R6	A2	1	1915	11971	1800
3-08671-0074	45 BRIGHTON 1 TERRACE	ZHONG, KONG HUAI	R6	B3	1	1910	12576	1800
3-08671-0080	42 BRIGHTON 1 TERRACE	DMITRY MASEYEV	R6	B1	1	1920	13737	1800
3-08671-0082	41 BRIGHTON 1 PATH	KOIFMAN, ACIA	R6	C0	1	1920	12960	1800
3-08671-0084	40 BRIGHTON 1 TERRACE	SONIA P. CASTANEDA	R6	A1	1	1920	12672	1800
3-08671-0086	39 BRIGHTON 1 WALK	BORIS STOLIN	R6	A2	1	1899	10464	1800
3-08671-0090	37 BRIGHTON 1 PATH	FEYGELMAN, YUDEL	R6	B3	1	1910	10368	1800
3-08671-0092	36 BRIGHTON 1 TERRACE	SAU-KUEW LEE	R6	C0	1	1910	14208	1800
3-08671-0094	35 BRIGHTON 1 PATH	ELLA BELKINA	R6	C0	1	1931	14496	1800
3-08671-0096	34 BRIGHTON 1 TERRACE	OLEG BARANENKO	R6	C0	1	1915	12441	1800
3-08671-0098	33 BRIGHTON 1 PATH	ROSA CHEREPAHIN	R6	C5	1	1931	25616	1800
3-08671-0100	32 BRIGHTON 1 PATH	KRYZHAPOLSKY, BORIS E	R6	B3	1	1899	11404	1800
3-08671-0104	3054 BRIGHTON 2 STREET	VITALIY ROZUMNIY	R6	B3	1	1910	10272	1800
3-08671-0106	3050 BRIGHTON 2 STREET	LANA TRIGUB	R6	B1	1	1915	15811	1800

BBL #	Address	Owner	Zoning District(s)	Building Class	# of Buildings	Year Built	Assessment	Lot Area
3-08671-0108	3044 BRIGHTON 2 STREET	LOPEZ, ROBERTO	R6	A2	1	1899	12393	1800
3-08671-0110	3040 BRIGHTON 2 STREET	SINGH, EVA PATRICIA	R6	B3	1	1910	13024	1800
3-08671-0112	3034 BRIGHTON 2 STREET	BUSLOVICH, YEVGENIYA	R6	B2	1	1899	13329	1800
3-08671-0934	249 BRIGHTON BEACH AVE	249 BRIGHTON CORP	R6	K2	1	1929	288450	3800
3-08671-0936	247 BRIGHTON BEACH AVE	249 BRIGHTON CORP	R6	K2	1	1929	113850	2000
3-08671-0937	243 BRIGHTON BEACH AVE	MARINA LISAGOR	R6	K2	1	1929	131400	2000
3-08671-0938	241 BRIGHTON BEACH AVE	241 BRIGHTON LLC	R6	K2	1	1929	198000	2000
3-08671-0939	239 BRIGHTON BEACH AVE	ARVIK PROPERTIES INC	R6	K2	1	1929	129600	2000
3-08671-0966	86 BRIGHTON 1 PLACE	ALISHER SAFAROV	R6	B3	1	1925	13968	1800
3-08671-0968	87 BRIGHTON 1 TERRACE	RUDOY, ALEXANDER	R6	A2	1	1925	14515	1800
3-08671-0970	88 BRIGHTON 1 TERRACE	249 BRIGHTON CORP	R6	E1	1	1998	248400	2000
3-08671-0972	89 BRIGHTON 1 LANE	249 BRIGHTON CORP	R6	E1	1	1998	248400	1800
3-08682-0057	224 BRIGHTON BEACH AVE	BRISTOL ASSOCIATES	R7-1	K1	1	1927	405900	12713
3-08683-0097	242 BRIGHTON BEACH AVE	ORWAND REALTY LLC	R6	K1	1	1945	886500	15778

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.

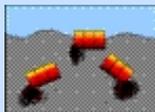
U.S. Environmental Protection Agency, Office of Drinking Water, 401 M St SW, Mailstop WH-556, Washington, DC, 20460, 202/260-5700.

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;
- D₁, 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

DANGMAN PARK MGP
486 NEPTUNE AVE

BROOKLYN, NY 11224

Facility Id: 224047
TT-Id: 120A-0004-742

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE (1)
Approximate distance from property: 1787 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: A
CLASSIFICATION CODE DESCRIPTION:
Work is underway and not yet complete.

REGION: 2

SITE CODE: 224047
DEC ID: 379111

NAME OF SITE: Dangman Park MGP
STREET ADDRESS: 486 Neptune Ave
CITY: Brooklyn ZIP: 11224

TOWN: New York City
COUNTY: Kings

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE:

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER(S):
NAME.....:
ADDRESS..:

SITE DESCRIPTION:
The address for the Dangman Park MGP site (currently National Grid, former Keyspan) is 486 Neptune Avenue in Brooklyn, New York

in Kings county. It is located at the southwest corner of Neptune Avenue and West 5th Street. The site is occupied by a shopping center (Trump Village) built in 1966.

A manufactured gas plant operated on the site from at least 1885 to approximately 1906 according to Sanborn Insurance Maps.

CONFIRMED HAZARDOUS WASTE DISPOSED:
TYPE

QUANTITY

COAL TAR

UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The first phase of RI work at the site was completed in 2009. Tar contamination was found beneath the existing shopping center, and appears to extend off site beneath the parking lot of an adjacent apartment complex.

One of the current shopping center tenants is a dry cleaner, so the possibility of vapor intrusion issues is somewhat higher than would be the case otherwise.

ASSESSMENT OF HEALTH PROBLEMS:

The NYSDOH will evaluate the potential for impacts to public health from exposure to site contaminants once sufficient information from the investigation of the site becomes available for review.

PROJECT COMPLETIONS:

Operable Unit 01 - Remedial Program

PROJECT	DESCRIPTION	END DATE	STATUS
Site Characterization	Dangman Park Former MGP	02/22/2010	Actual

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

K - CONEY ISLAND MGP
NEPTUNE AVENUE, CONEY ISLAND

BROOKLYN, NY 11224

Facility Id: 224026
TT-Id: 120A-0004-737

MAP LOCATION INFORMATION

Site location mapped by: MAP COORDINATE - LARGE SITE
Approximate distance from property: 3720 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL SITE INFORMATION

CLASSIFICATION CODE: 02 REGION: 2 SITE CODE: 224026
CLASSIFICATION CODE DESCRIPTION: DEC ID: 55916

Significant threat to the public health or environment - action required.

NAME OF SITE: K - Coney Island MGP
STREET ADDRESS: Neptune Avenue, Coney Island TOWN: New York City
CITY: Brooklyn ZIP: 11224 COUNTY: Kings

SITE TYPE: Dump-X Structure- Lagoon- Landfill- Treatment Pond- ESTIMATED SIZE: 11 Acres

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
IDENTIFIER SOURCE

NYD980532022 EPA Site ID

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):
NAME: BROOKLYN BOROUGH GAS COMPANY Owner Type: Corporate or Commercial
ADDRESS: ONE METROTECH CENTER
BROOKLYN, NY 112013850

NAME: Key Span Energy
ADDRESS: One Metrotech Center
Brooklyn, NY 11208

OWNER(S) DURING DISPOSAL:

NAME: BROOKLYN BOROUGH GAS COMPANY

ADDRESS:

OPERATOR(S) DURING DISPOSAL:

NAME: BROOKLYN BOROUGH GAS COMPANY
ADDRESS: NEPTUNE AVE
 CONEY ISLAND, BROOKLYN, NY

Operator Type: Corporate or Commercial

NAME: Brooklyn Borough Gas Company
ADDRESS: Neptune Avenue - Coney Island
 Brooklyn, NY 11235

SITE DESCRIPTION:

This is the site of a former Manufactured Gas Plant that ceased operations in 1951. The operation was a carbureted water gas plant which was constructed between 1908 and 1912. The facility included two large-capacity gas holders, a station metering house, two underground and five above ground gas oil tanks, tar conditioners and seal pumps, three tar separators, four generators, a coal storage yard, pump rooms, booster and exhauster rooms, two condensers, eight purifier boxes, two relief holders, an electric tar precipitator, a tar dehydrator system, tar storage tanks, oil pumps, and drip oil tanks. From 1960 to 1966 the site was almost completely decommissioned and demolished. Some components were used for natural gas service until they were demolished in the early 1980's.

The site is relatively flat and is located in a residential/commercial area of Brooklyn. The site is bordered on the south by Coney Island Creek, to the north by an elevated portion of the Belt Parkway and the MTA rail yard. To the East of the site is the Gill Hodges Little League field (now closed) and to the west are railroad tracks.

Contaminated soil on the site contains high levels of benzene. The groundwater itself is a characteristic hazardous waste at three locations. It has been determined that this site poses a significant threat to the environment based upon groundwater concentrations and visible sheen emanating from the site into Coney Island Creek. This site is being investigated and remediated under an Order on Consent with Keyspan. An interim remedial measure (IRM) has been implemented to control the discharge of non aqueous phase liquid (NAPL) to Coney Island Creek.

A Record of Decision (ROD) for Operable Unit 1 (OU1) was signed in March 2001. The ROD for Coney Island Creek, designated as OU2 of the site, was signed in March 2002. OU2 work includes removal of contaminated sediments form the creek. A third OU was created to recognize final capping and related work for the OU1 portion of the site to take place at the conclusion of the Creek remediation.

Installation of the sheet pile wall around OU1 was completed in May 2004. The design for the OU2 and OU3 work was approved in February of 2006 and remedial construction of OU2 and OU3 began in January 2007. Dredging of the creek sediments was completed January 2008, and the on-site excavation and cap was completed in September 2008. Groundwater collection and treatment will be performed as an element of site management.

CONFIRMED HAZARDOUS WASTE DISPOSED:

----- TYPE -----	----- QUANTITY -----
ACETONE	UNKNOWN

LEAD	UNKNOWN
NAPHTHALENE	UNKNOWN
TOLUENE	UNKNOWN
BENZENE (D018)	UNKNOWN
PCBS	UNKNOWN
COAL TAR	UNKNOWN
XYLENE (MIXED)	UNKNOWN
ARSENIC	UNKNOWN
ETHYLBENZENE	UNKNOWN
BENZENE	UNKNOWN
BENZ (A) ANTHRACENE	UNKNOWN
BENZO (B) FLUORANTHENE	UNKNOWN
BENZO (A) PYRENE	UNKNOWN
1,2-BENZPHENANTHRENE	UNKNOWN
DIBENZ [A, H] ANTHRACENE	UNKNOWN
BENZO [K] FLUORANTHENE	UNKNOWN

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Highly contaminated material including; LNAPLs and possibly DNAPLs were identified on site as a result of former gas manufacturing operations. Groundwater was significantly impacted and NAPL had been discharging to Coney Island Creek. Also, tars were present in the sediments of Coney Island Creek.

Remediation completed in 2008 removed contaminated sediments from the creek and the upland source material that had threatened the environment. Remaining contamination will be controlled by a long-term containment and capping system and groundwater extraction and treatment within the containment area.

ASSESSMENT OF HEALTH PROBLEMS:

Ingestion of contaminated groundwater is not expected as public water serves the area. Surface soils contaminated with lead were previously removed. Coal-tar contaminated material is being removed and will prevent future direct contact exposures in the future. A leachate collection system and double-boom system were installed to prevent seepage into the adjacent Coney Island Creek. The selected remedy for the creek (dredging) will address potential direct contact with contaminated sediments. Fish from the creek maybe affected by site contaminants, however, existing fish advisories for the Lower Bay of New York Harbor (which includes Coney Island Creek) are in place and exposures to potential site-related contaminants in fish are not expected if people heed the advisories.

PROJECT COMPLETIONS:

Operable Unit 01 - REMEDIAL PROGRAM

PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation		03/29/2001	Actual
Remedial Design		08/30/2003	Actual
Remedial Action		04/01/2005	Actual

Operable Unit 01B - IRM

PROJECT	DESCRIPTION	END DATE	STATUS
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Remedial Design		10/01/1997	Actual
Remedial Action		11/01/1997	Actual
Operable Unit 02 - CONEY ISL CK			
PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Investigation		03/30/2002	Actual
Remedial Design		08/25/2006	Actual
Operable Unit 03 - CAP INST. AND G.W. TREATMENT			
PROJECT	DESCRIPTION	END DATE	STATUS
Remedial Design		08/25/2006	Actual

The New York State Department of Environmental Conservation has not publicly updated the following fields since 2003:

ANALYTICAL DATA AVAILABLE FOR:	Air-	Surface Water-X	Groundwater-X	Soil-X	Sediment-X
APPLICABLE STANDARDS EXCEEDED IN:	Groundwater-X	Drinking Water-	Surface Water-X	Air-	

GEOTECHNICAL INFORMATION:

SOIL/ROCK TYPE: Urban fill (ash, cinders, brick, wood, etc.)
 GROUNDWATER DEPTH: Range: 5 to 10 feet.

LEGAL ACTION:	Type: Consent Order	State-X	Federal-
STATUS:	Negotiation in Progress-	Order Signed-X	
REMEDIAL ACTION:	Proposed-X Under Design-	In Progress-X	Completed-
NATURE OF ACTION:	IRM-Soil removal. Soil removal & encapsulation.		



NO RCRA CORRECTIVE ACTION SITES IDENTIFIED WITHIN 1 MILE SEARCH RADIUS



NO CERCLIS SUPERFUND SITES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS



BROWNFIELDS SITES 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

K - DANGMAN PARK MGP - CONEY ISLAND
SHEEPSHEAD BAY RD. & WEST 5TH ST.

BROOKLYN, NY 11224-

Facility Id: C224047
TT-Id: 320A-0000-341

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1823 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: SHEEPSHEAD BAY RD / W 5TH ST
Revised zip code: NO CHANGE

This facility has been deleted from the reported data. Data reflects last reported information.

Brownfield Program: Brownfield Cleanup Program

BROWNFIELD CLEANUP PROGRAM

CLASSIFICATION CODE: 99
CLASSIFICATION CODE DESCRIPTION:
No description provided

REGION: 2

SITE CODE: C224047
DEC ID: 57385

NAME OF SITE: K - Dangman Park MGP - Coney Island
STREET ADDRESS: Sheepshead Bay Rd. & West 5th St.
CITY: Brooklyn ZIP: 11224-

TOWN: New York City
COUNTY: Kings

SITE TYPE: Dump- Structure- Lagoon- Landfill- Treatment Pond-

ESTIMATED SIZE:

INSTITUTIONAL/ENGINEERING CONTROLS:
None reported

CROSS REFERENCES:
None reported

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER(S):
NAME: KEYSpan
ADDRESS:

Owner Type: Corporate or Commercial

NAME: KEYSpan
ADDRESS:
NN

Owner Type: Corporate or Commercial

SITE DESCRIPTION:

This is a Brownfield transition site from the V00698 & V00634 Voluntary Program application. The address for the Dangman Park MGP site is 486 Neptune Avenue in Brooklyn, New York in Kings county. It is located at the southwest corner of Neptune Avenue and West 5th Street. The current land use on the site is a residential apartment building and parking lot(Trump Village).

CONFIRMED HAZARDOUS WASTE DISPOSED:

None reported

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The environmental assessment for this site has not yet been completed. A schedule is currently being developed with KeySpan Energy Corporation to complete Site Characterizations at twenty-nine transition sites by 2010. When the Site Characterization is complete, a preliminary environmental assessment will be input.

ASSESSMENT OF HEALTH PROBLEMS:

None provided



NO SOLID WASTE FACILITIES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS



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) Miscellaneous 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) Miscellaneous 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 Miscellaneous 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



NO ACTIVE TANK TEST FAILURES IDENTIFIED WITHIN 1/2 MILE SEARCH RADIUS



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 4 	SHELL STATION 359 NEPTUNE AVE	BROOKLYN, NY	Spill Number: 9802275	Close Date: TT-Id: 520A-0048-109
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION		
Site location mapped by: MANUAL MAPPING (3)		Revised street: NO CHANGE		
Approximate distance from property: 1351 feet to the N		Revised zip code: NO CHANGE		
Source of Spill: GASOLINE STATION	Spiller: KEN SPRINGER - SHELL		Spiller Phone: (703) 541-5216	
Notifier Type: Affected Persons	Notifier Name: EMPLOYEE		Notifier Phone:	
Caller Name: BILL COLONIS	Caller Agency: ENVIRTRAC		Caller Phone: (516) 586-1800	
DEC Investigator: aaobliga	Contact for more spill info: KEN SPRINGER		Contact Person Phone: (703) 541-5216	

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
05/20/1998		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

DURING UPGRADE - CONTAMINATED SOIL DISCOVERED

DEC Investigator Remarks:

Test results from this site were high. Specifically results from wells #1, #2 & #4. By 9/15/99 EnviroTrac will submit to the

DEC a proposal to actively remediate the site.

9/16/03 Continue periodic HiVac. SVE/AS system installed. STIP signed. System should be operational by 11/03.

12/1/03 Reassigned from Sangesland to K Foley.

6/8/04 Meeting with Shell and Phoenix. Have been doing Hi-Vac in MW-2 and MW-8 and monitoring concentrations. MW-4 appears to be coinciding with MW-2 concentrations but do not have much data for MW-4. Will sample all wells in next round due in 7/04. MW-8 may not be influencing MW-4. Need additional data. Area may be tidal but groundwater flow is predominantly southeast.

6/8/04 Received May 2004 update report. Samples collected 4/30/04. BTEX from ND(MW-9, MW-7, MW-6, MW-5, MW-3) to 847ppb(MW-2). MW-4 (5838ppb BTEX in 10/2/03) not sampled due to replacement by MW-8 (921ppb BTEX in 10/2/03, 20ppb BTEX in 4/30/04). Hi Vac events performed in MW-2 and MW-8 on 2/23/03. 1800gal recovered. DTW 6-7'bgs.

11/23/04 Met with Shell and Phoenix Env. Tanks to be pulled soon and source removal will be completed. Samples from 10/29/04 show BTEX from ND(MW-3,5,6,7,9) to 2925ppb(MW-8). MTBE from ND(MW-3,5,6,7,9) to 201ppb(MW-2). MW-4 is a 1" well.

6/7/05 Met with Shell, Longshore Env and SAIC. Tanks were pulled in 4/05 and Phoenix prepared a UST closure report. To submit report. Last GW sampling completed 4/05.

8/26/05 Tank Excavation Assessment report - from 5/5/05 to 5/6/05, three 4000gal gas USTs, all dispensers and piping were removed. USTs and piping were in good condition. During excavation two 550gal and one 1000gal USTs that had been previously abandoned in place with expanding foam were also removed. Hydrocarbon impacted soils were encountered. Accessible soil in the area of the tank field and along the south edge of the property was excavated and stockpiled. 644 tons of soil was transported and disposed of at Posillico Bros Asphalt Co. of Farmingdale. PID readings ranged from 0ppm to 1589ppm. DTW 8-12'bgs. Soil samples collected along the south property line (8'bgs) had very high VOC concentrations.

No impacted soils were detected in the area of the 1000gal waste oil UST which was removed. The hydraulic lift samples were also OK.

9/28/05 SAIC will monitor quarterly the effects of soil removal on GW quality.

1/23/06 Received 3Q05 report. Samples collected 8/10/05 from four wells. MW-3 was dry. MW-4,5 and 8 were destroyed in May 2005 during tank closure. BTEX ranged from ND(MW-6,7,9) to 627ppb(MW-2). MTBE ranged from ND(MW-6,7,9) to 284ppb(MW-2). No LNAPL present. DTW 6.33-7.18'bgs toward the SW at 0.002ft/ft.

2/1/06 Met with Shell, SAIC, Longshore. Tank pull triggered some high concentrations in MW-2. Excavation was backfilled but is not paved. Shallow water. Sampling already completed. Wait for results to determine plan. Resample and possibly excavate area of MW-2. Building is only structure on property.

3Q05- DTW 6.33-7.18'bgs. Five wells sampled 8/16/05. BTEX from ND(MW-6,7,9) to 627ppb(MW-2). MTBE from ND(MW-6,7,9) to 284ppb(MW-2).

3/28/06 4Q05 sampling conducted 10/18/05 on 5 MWs. BTEX from ND(MW-6,7,9) to 10800ppb(MW-2). MTBE from ND(MW-6,7,9) to

128ppb(MW-2). No LNAPL. DTW 5.7-6.54' bgs.

6/7/06 - Obligado - Transferred from Foley to Obligado

11/6/06 - Obligado - Review 1Q06 update report. December 05 monitoring well MW10 was installed. Samples from 5 monitoring wells collected on 1/10/06. MW3 was dry and MW4 and MW8 were destroyed during UST excavation. BTEX ranged from ND to 6,530 ug/L (MW2) and MTBE ranged from ND to 70.5 ug/L (MW2).

2Q06 report - 6 Ground water wells sampled on 4/6/06. BTEX from ND to 6756 ppb (MW10), and MTBE ND to 63.5 ppb (MW2). No LNAPL present, ground water 6.41 to 7.26 ft bgs, gw flow reportedly to SW.

12/29/06 - Obligado - Review 3Q06 report. 5 Monitoring wells sampled on 7/21/07. LNAPL not detected in any of the wells. DTW 6 to 7 ft bgs. BTEX from ND to 13,940 ppb in MW2. MTBE from ND to 52.9 ppb in MW2. Proposes monthly HIT events in MW2 and MW10.

9/17/07 - Obligado - Review 4Q07 report. Conducting 4 hour high vacuum extraction events at MW2 and MW10 monthly. BTEX range is ND to 12693 ug/L (MW10). MTBE range is ND to 11.0 ug/L (MW2). GW flow is westerly. Down gradient well is ND. Proposes to resurvey all wells to establish gw flow direction and continue extraction events.

Review 1Q07 Report. Continued high vacuum extraction events at MW2 and MW10 and resurveyed monitoring wells. BTEX from ND to 10795 ug/L (MW10), and MTBE from ND to 52.6 ug/L. Ground water flow direction is to the southeast. Down gradient wells to southeast are non detect. Proposes continued extraction events.

Review 2Q07 Report. Wells sampled on April 5, 2007. BTEX from ND to 3797 ug/L (MW10), MTBE from ND to 141 ug/L (MW2). GW flow to west-southwest. Does not propose any additional High Vacuum extraction events. To date, a calculated total of 30 lbs of hydrocarbon mass removed and 12076 gallons of liquid recovered.

Review 3Q07 Report. - 6 wells gauged and sampled July 11, 2007. No LNAPL was encountered. BTEX range from ND to 22,658 ug/L (MW10) and MTBE range from ND to 33.9 ug/L (MW2). This site is vacant and all tanks have been removed. No additional extraction events have been proposed. BTEX levels have been increasing in MW10. Will send a letter to Rob requiring a RAP.

5/6/08 - Obligado - Review 4Q07 report. BTEX range from ND to 20,555 ug/L (MW10). MTBE from ND to 18.9 ug/L (MW2). LNAPL not detected. DT GW is 6 to 7 ft bgs. Proposes soil borings investigation to determine vertical and horizontal extent of soil impacts.

Review 1Q08 Update Report - Ground water was sampled on 1/10/08 and soil boring advanced on 1/31/08. GW results show BTEX from ND to 16,768 ug/L (MW10). Soil impacts show unsaturated and saturated impacts on-site from approximately 5-12 ft bgs along the southern portion of the property. Soil impacts up to 2,000,000 ug/m³ VOCs. Proposes continued monitoring.

1/13/09 - Obligado - Review pilot test report. Sent email to GES disapproved report, listing deficiencies, and required to retest. Also reviewed Investigation Work Plan. Proposes to install 2 additional wells off-site and redrill 2 on-site wells that were dry and do a tidal study. Drafted approval letter.

4/23-4/27/09 - Obligado - Reviewed pilot test work plan. Proposed to do both AS/SVE and chemical injection pilot test. Will submit pilot test report within 120 days. Emailed Vidya to inquire about UIC protocols. She emailed me EPA notification letters

and approval letters from NYC FD and EPA for injections. I sent approval email for pilot test.

6/15/09 - Obligado - Shell Portfolio Meeting.

6/16/09 - Obligado - Reviewed Site Investigation Summary Report. Documents installation of 2 additional downgradient wells and replacement of 2 onsite wells. A tidal study was also performed. The tides don't have an effect on flow direction. The site appears delineated. Sent approval letter to Heather Cloud via email.

10/27/09 - Obligado - Reviewed Feasibility Study Report. The report summarizes the results of the feasibility studies performed at the site for two potential remedies, Air Sparge/Soil Vapor Extraction (AS/SVE) and In-Situ Chemical Oxidation (ISCO) using hydrogen peroxide. The report concludes that both remedies can be effective at the site, but recommends implementing ISCO and provides a brief conceptual remedial plan. The Department approves of the recommendations in the report. The Department requires, however, that prior to implementation, a more detailed Remedial Action Work Plan be submitted to the Department for approval. The detailed RAWP should include, but not be limited to, the following items; quantities and concentrations of chemicals to be injected, proposed injection well design, radius of influence maps for both chemical injection and vapor recovery, safety considerations for underground utilities, cross-sectional drawing(s) (showing site stratigraphy, zones of impact, injection/extraction wells, and known utilities), a detailed OM&M Plan, Material Safety Data Sheets for chemicals to be injected, EPA UIC compliance, a Health and Safety Plan, and an implementation and reporting schedule. RAWP must be submitted within 60 days.

11/9/09 - Obligado - Meeting with GES, Shell, DEC. Submit a Remedial Action Plan detailing the chemical oxidation process, permit requirements, vapor recovery plan, radius of influence maps, OM&M plan and an implementation schedule by January 31, 2010

3/23/10 - Obligado - I reviewed the RAWP and emailed Heather the following comments:

1. The Cross Section Location Map, Figure 3 and the Cross Sections Figures 4 and 5 show soil borings SB-8, SB-9, and SB-11. The cross sections show that SB-8, SB-9, and SB-10 are impacted, but I haven't able to find any analytical data or soil boring logs for these borings, and these borings are not shown on the historical soil map. Please clarify.
2. The RAWP proposes to install the hype air injection points to a maximum depth of 13 ft. However, impacted soil above RSCOs was found in boring AS-1 at depth of 15 to 17 ft. Why are is no deeper injection proposed in this area?
3. The text states that system effluent will be treated through carbon however the Hype Air Process Flow Diagram doesn't show any treatment. Please clarify.

3/29/10 - Obligado - Heather emailed me and addressed my comments. According to Heather, SB8 through 11 were advanced by a third party so no soils samples were collected by GES. She believes the deep contamination may be due to borehole cave in and not due to contamination in the formation. But they will inject into AS-1 to address this deeper contamination if present. The SVE will

have carbon treatment.

4/14/10 - Obligado - I completed my review of the RAWP. Cross sections were provided which show the vertical and horizontal extent of contamination and lithology. The RAWP proposes to inject hydrogen peroxide solution (8 to 17% solution) at 0.5 to 5 gpm. Air/ozone mixture will also be injected into the subsurface. Ozone will be generated onsite. A mobile SVE unit will remove any vapors generated during the reactions. Monitoring well and catch basin headspace will be screened with a PID and LEL and Ozone meter. A health and safety plan is included. The EPA and fire department will be notified prior to the injections. Chemicals will be stored on secondary containment berms. An OM&M plan is included. The plan is acceptable.

Implementation Schedule:

Injection Well Installation - Within 60 days

Oxidation Injection Events - Every 2 months

Groundwater Sampling Events - Approximately 2 to 4 weeks following each injection.

Confirmation Soil Boring Investigation - Approximately 4 weeks following completion of the 3rd injection event.

Quarterly Site Status Update Reports - April 2010, July 2010, October 2010 and January 2011

4/15/10 - Obligado - Sent approval letter via email to Heather Cloud ec to Rob Rule

4/20/10 - Obligado - Meeting with Shell, DEC, GES. They will implement the approved RAP.

8/5/10 - Obligado - Reviewed the 2Q10 report. Pre injection sampling in April showed BTEX up to 5500 ug/L. In May 7 through May 9, 2010 - Conducted the 1st ISCO event, which included the injection of approximately 3,111 gallons of 15% hydrogen peroxide solution, 70 gallons of 10% Ferrous Sulfate solution, 60 gallons of 12% ethylene diamine tetra acetate (EDTA) iron solution and approximately 1.52 pounds of ozone. They plan to continue with the injection program.

3/15/11 - Obligado - 3rd Quarter - September 23 & 24, 2010 - As part of the Petroleum Environmental Research Forum (PERF) program, Arizona State University (ASU) and Shell's technical division, West Hollow, were on-site for the installation of 22 temporary monitoring points in the vicinity of injection points IP-2 and IP-5. During the installation, GES and ASU collected soil samples from various locations to evaluate residual soil impacts after two (2) full scale injections events at the site. Specifically, seven (7) soil borings (SB-12 through SB-18) were advanced across the southern portion of the site. The 3rd injection event was conducted in September 2010, with injection of 4000 gallons of h2o2 solution and 7 pounds of O3. Pressurized air was also injected for dispersion of peroxide and SVE was utilized for off-gas control.

4th Quarter - Bioparameters were collected. Additionl 1" wells were installed and 4 soil borings as part of the PERF program. In November the 4th injection event was conducted with 4000 gallons of H2O2, 6 gallons of 12% EDTA iron solution, 60 gallons of 12% Ferrous sulfate solution, and 1.46 pounds of O3. GW sampling results showed approximately 4000 ug/L BTEX in SVE1. They planned to conduct a 5th event in January/February 2011.

Map Identification Number 5
 **EAGLE GAS**
 292 NEPTUNE AVENUE

Spill Number: 9600526
 BROOKLYN, NY

Close Date:
 TT-Id: 520A-0041-819

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1504 feet to the NNE

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION	Spiller: ANDY TUROFF - EAGLE GAS	Spiller Phone: (718) 257-8470
Notifier Type: Other	Notifier Name: ANDY TUROFF	Notifier Phone: (718) 257-8470
Caller Name: ANDY TUROFF	Caller Agency: TRINITY PETROL	Caller Phone: (718) 257-8470
DEC Investigator: AXDORONO	Contact for more spill info: ANDY TUROFF	Contact Person Phone: (718) 257-8470

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	
04/11/1996		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 is doing work at station and while digging founr a sheen on some water in the hole

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
 3/11/03 - SAMUEL- File available in active unassigned spill files.

04/12/04

TRANSFERRED FROM SAMUEL TO VOUGHT.

TRANSFERRED FROM VOUGHT TO OBLIGADO

09/15/06: This spill is transferred from Mr. Koon Tang to Q.Abidi.
 Called Andy Turoff (Trinity Petrol Company) at (718)257-8470 he said when he started digging Tank and reported soil and groundwater both are contaminated. Job has been taken away from him by the owner. He will find out the address and phone number of owner and he will call me back on Setember 19, 2006. -QA

09/19/06: Called Andy Turoff and talked to threassa somebody will call me regarding the spill -QA

10/12/06: Called Mr. Andy Turoff (718)257-8470 and left message to call me back. -QA

10/19/06: Called Mr. Andy Turoff and left message to call me back regarding status of the spill. -QA

03/13/07: Called Mr. Andy Turoff at (718)257-8470 he was not there. Left message to call me back regarding phone number of new owner of the building. -QA

05/10/07: Called Mr. Andy Turoff (718)257-8470 to discuss regarding spill. He was not there left message with Ms. Threesa (Energy Tank Company) to call me back.

Mr. Andy Turof called me back and said that he doesn't know anything regarding present status of the spill. He gave old owner name and phone number who is the new owner. He doesn't know. -QA Owner:- Ms. Ruth Peres (Lawyer)

H & L Properties
Phone # (212)371-7424

06/04/07: Ms Ruth Peres New Phone # (212)249-0545 Ms. Peres will be available in the evening. -QA

06/07/07: Called Ms. Ruth Peres (H & L Properties) at (718)998-0263 and discussed regarding spill. She said that she is going out of station she will be back on July 10, 2007, she will find out the information about excavation of soil and she will call me back in end of July.

Ms. Ruth Peres
1521 Surf Avenue
Brooklyn, NY 11224
Phone # (718)998-0263 -QA

08/29/07: Send certified letter to Ms. Ruth Peres For subsurface investigation. Entered letter in e-Doc. -QA

09/12/07: Returned call to Ms. Ruth Peres. She received certified mail late. So she wants more time for subsurface Investigation. -QA

09/28/07: Returned call to Mr. Dan (Environmental Company), he said that all contaminated soil has already been removed. I asked him to send waste manifest report. He will send all the documents next week. -QA

06/26/2008: This spill case was transferred to A. Doronova. - AD

01/06/2009: Spoke with Ms. Peres. Requested to submit all required reports. She said that Mr. Dan Yarom of CDSP Environmental was responsible for document submission. Asked for his phone number. She promised to get back to us with this information. Left her my contact information. AD

01/08/2009: Received a phone call from Mr. Dan Yarom of CDSP Corp. (phone: 914-224-3300). He told me that they submitted report to Q. Abidi. Asked him to re-submit the report. He will contact us on the next week regarding the report submission. AD

10/07/2009: Received a phone call from Mr. Charles Anboa, (phone: 718-232-6900; 917-346-8976) He is planning to lease the property and will submit to DEC an investigation work plan. AD

04/19/2011: Received a Environmental Site Investigation report submitted by Astem Environmental, Inc. on behalf of Ms. Ruth Peres of H&L Properties, 1521 Surf Avenue, Brooklyn, NY, and dated April 12, 2011. No PDF copy was submitted. To request e-copy. Will review the report. AD

Map Identification Number 6 	RESIDENCE 2940 WEST 5TH STREET BROOKLYN, NY	Spill Number: 0607564	Close Date: TT-Id: 520A-0038-226
MAP LOCATION INFORMATION Site location mapped by: MANUAL MAPPING (3) Approximate distance from property: 1972 feet to the W		ADDRESS CHANGE INFORMATION Revised street: NO CHANGE Revised zip code: NO CHANGE	
Source of Spill: PRIVATE DWELLING	Spiller: TONY - RESIDENCE	Spiller Phone: (718) 946-4800	
Notifier Type: Police Department	Notifier Name:	Notifier Phone:	
Caller Name:	Caller Agency:	Caller Phone:	
DEC Investigator: rmpiper	Contact for more spill info: TONY	Contact Person Phone: (718) 946-4800	

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	
10/03/2006		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:

SPILL IS SOME KIND OF HEATING OIL FROM A TANK: LOCATED IN BASEMENT AT THIS RESIDENCE: HOMEOWNER INFORMATION UNKNOWN;

DEC Investigator Remarks:

DEC Piper recieved update from DEC Sangesland, as per his conversation w/ PTC Ray, There are two tanks at the propert6y that are UST though mounded w/ soil. Oil was discivered in nearby sump. PTC en route to investigate and pump sump. PTC will update DEC. 11/7/06- DEC spoke w/ PTC, both tanks failed and are now empty. Need to contact Tony Giordano cc: Prestige Plumbing and Heating. 347-392-0616. Ms. Fern Riback ,Trump Village 4 Inc - 2928 West 5th St. Bklyn 11224.

DEC Piper spoke w./ Tony, as per him is consulting building and they are determining next step, an environmental contractor has been hired.

Need to send CSL letter to:

Ms. Fern Riback
 Trump Village 4 Inc
 2928 West 5th St.
 Brooklyn, NY 11224.

718-946-4964
 , 4800

5/1/07- DEC Piper left message for Fern requesting callback,

12/12/07- DECP iper spoke w. Rene Lewis of Eastmond. They are pulling both tanks. 35K. Shandel Env. Will be doing remediation Ken Friedman. 914-439-7493.

9/18/08- DECPiper- I spoke with Ken. He will send report shortly.

11/26/08- DECPiper- I left message for Ken requesting callback and report.

Map Identification Number 7



NEW YORK AQUARIUM

801-803 SURF AVE
 2986 WEST 8TH ST

BROOKLYN, NY

Spill Number: 0606160

Close Date:

TT-Id: 520A-0047-688

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING - LARGE SITE
 Approximate distance from property: 2569 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: SURF AVE
 Revised zip code: 11224

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
 Notifier Type: Other
 Caller Name:
 DEC Investigator: JBOUGHT

Spiller: MEL PETTIT - NEW YORK AQUARIUM
 Notifier Name:
 Caller Agency:
 Contact for more spill info: BRENDA

Spiller Phone: (718) 265-3464
 Notifier Phone:
 Caller Phone:
 Contact Person Phone: (718) 220-7153

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
08/29/2006		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
1,1,1,2-TETRACHLORO-2,2-DIFLUOROETHANE	HAZARDOUS MATERIAL	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

NOTICED OIL COMING UP TRU A FLOOR: IT MIGHT BE COMING FROM TWO ABANDONDED OIL TANKS:

DEC Investigator Remarks:

08/29/06-Vought-Info received from DEC Sangesland: Two (10000-gallon) tanks previously abandoned with water were discovered. Harbor Environmental (Mike Alletto 516-609-9800x11 fax 516-608-9802).

09/05/06-Vought-Site visit by Vought with Harbor(Aletto), Wildlife Conservation Society (WCS) Burbach and WCS Paul Boyle (Director) of NY Aquarium. Vought changed spill address to Surf Ave at West 8th Street. Oil impacted walrus pool. Very small amount of oil was detected in bottom of pool (1" patch in seam) and product tested positive as petroleum. Walruses currently in pool as NY Aquarium Animal Dept. gave approval. No further seepage detected. Site constrained by building to the north and west, dolphin stadium seating to the east and permanent wood display fence to the south. Abandoned tanks were formerly used for #4 to heating but Aquarium is now using natural gas. Abandoned tanks had direct fill ports. GPR survey was performed by Harbor and USTs were detected and confirmed by hand excavation. Site also has one (5000-gallon) UST used for emergency generator in another separate location. Excavation was performed to top of both tanks but no samples collected to date. Water and debris was present in USTs. Product was also found emanating from a plastic PVC pipe in the boiler room. Plastic pipe came through wall under former #4 supply and return locations. Discharge point of pipe also not known. Harbor will perform soil and groundwater delineation of all four sides of tank with particular focus on location between walrus pool and UST pad and also between UST pad and boiler room. DEC REQUIRES: 1)delineation of soil and possible groundwater contamination with one boring located between former UST location and walrus exhibit and one boring located between the former UST location and the boiler room 2)investigation of effluent and source of plastic PVC pipe 3)endpoint sample collection if additional excavation will be performed 4)updating of PBS registration (registration shows one 10,000-gallon #2 fuel oil UST in service, one 550-gallon UST in service and one 550-gallon gasoline closed/removed in 1996). Vought sent letter with above requirements and two month due date to:

Brenda J. Burbach
Wildlife Conservation Society
2300 Southern Boulevard
Bronx, NY 104600
Fax: (718) 220-7114

10/11/06-Vought-Spoke to Alletto and product found between former UST location and building. Groundwater at 6-7' below grade. Eight borings were performed. Pipe in basement was opened and water and six oil came running through pipe.

10/19/06-Vought-Received email and preliminary investigation results from Aletto. Nine borings were installed and free product was noted in B2 (at abandoned tank location) and soil contamination was also noted in B4.

11/7/06-Vought-Received call and spoke to Harbor Alletto. Site was visited when walrus pool was empty and sheen was coming out cracks in the pool. Oil was also noted coming out of side of pool adjacent to boiler room. Harbor did not observe oil coming from sidewall when onsite inspection was performed. Oil intrusion height was approximately 8' above pool floor (at tide level). Depth of pool is 10' below grade (during low tide, water level is below pool floor). Aquarium analyticals found #6 and #2 oil. (Onsite interviews showed both were stored onsite). Free product in well B2. Pipe in basement was removed and oil flowed freely out of pipe. Pipe was capped and disconnected from sewer line.

11/8/06-Vought-Conference call with Harbor Alletto, NY Aquarium (Burbach) and NY Aquarium Bob Gavlik. Aletto proposing to excavate and remove tanks and contaminated soil and DEC gave preliminary approval over phone, however required submission of work proposal and investigation results including installation of permanent monitoring wells at former tank location and between tank location and walrus pool. NY Aquarium will seal the walrus pool to ensure no further intrusion. During excavation of tanks, area will be closed off to pedestrian traffic to ensure no vapor issues. DEC will receive proposal for excavation by 12/11/06.

11/29/06-Vought-WCS is getting company in for next week to look at sealing pool. Oil does not intrude when pool is full. Last time pool was empty (approximately three weeks ago, water intruding through former oil intrusion location was sampled for petroleum fingerprint and came up as non-detect). Walruses still currently in the pool. Pool water was sampled in 9/06 and came up non-detectable via petroleum fingerprinting. Received scope of work from Harbor Alletto including 1)closure and removal of two (1000-gallon) # 6 fuel oil USTs and contaminated soil within 30 days 2)installation of monitoring wells and recovery wells and implementation of groundwater monitoring sampling plan upon approval by NYSDEC 3)submission of investigation report to DEC within 60 days.

12/11/06-Vought-Received call from Aletto and returned call confirming receipt and approving of letter on 11/29/06. Vought requested that DEC be contacted when excavation limits are reached and endpoint samples are being collected.

12/14/06-Vought-Received email from Aletto that WCS has contracted with Seaboard Waterproofing and Restoration for repairs to the walrus pool including saw cutting square patch and removing defective material, reapply concrete, smooth, epoxy seal and Poly Urea coating. Contractor expected to complete work by 12/23/06. Vought received email from Aletto requesting email approval of 11/29/06 workplan. Vought sent email approving of plan pending inclusion of collection of endpoint samples upon reaching terminus of excavation.

1/17/07-Vought-Performed site visit with Harbor Alletto and NY Aquarium Burbach. USTs were removed and vault bottom approximately 15' below grade and attached to building foundation (no interstitial soil between vault and building). Concrete staining noted in southwest corner of vault. No other cracks or stains in vault were noted. Harbor proposed installation of 13 wells (six 8" recovery wells, five in vault, one outside vault at impacted location- and seven four inch monitoring wells. Wells will be monitored weekly for first month and monthly thereafter for one year. PBS registration was updated with DEC Lombardo and email summary will be submitted to DEC. Water in walrus pool and walrus bloodwork showed non detect for petroleum constituents and walrus pool was sealed and currently operational.

1/18/07-Vought-Received and reviewed scope of work submitted by Harbor Alletto for above scope of work. Vought sent email approving of scope of work pending inclusion of soil and groundwater sampling for EPA Method 8270 and submission of quarterly monitoring reports versus the proposed monthly report submission.

1/24/07-Vought-Received revised workplan from Harbor (Aletto) including above requirements from 1/18/07. Sent email confirmation of receipt and approval.

2/2/07-Vought-Received call from Aletto and well installation of seven wells and five observations was completed. No PID readings on any soil samples and no staining observed. Groundwater samples were collected and no free product observed. ISR will be submitted within 30 days. Waiting for NY Aquarium for approval for further monitoring.

10/20/08-Vought-To date file review by Vought:

Investigation Summary Report (Harbor) dated 8/1/07 and received on 8/2/07. Work included performance of GPR survey to determine presence of USTs and adjacent utilities, well installation, UST closure, development and sampling of seven monitoring wells and installation of one recovery well and five groundwater observation wells. Two USTs found were "filled with non-hazardous petroleum contaminated water, soil and debris". PVC pipe that contained residual oil in the basement was capped after being cleaned out. "From December 26, 2006 to January 19, 2007, Seaboard Waterproofing and Restoration of Port Chester, New York performed repairs to the interior of the Walrus Pool Exhibit to prevent the infiltration of groundwater as outlined below" including sawcutting infiltration location, replacement of concrete and liner and application of Poly Urea coating. Removal of approximately 196 tons of contaminated soil. UST excavation was backfilled with recycled stone backfill and five observation wells were also installed in excavation. Seven monitoring wells and one recovery well were installed to a depth of 25'bg. Well monitoring events were performed on 2/8/07, 2/15/07, 2/22/07, 3/1/07, 4/2/07, 5/3/07, 6/7/07 and no free product was found in any of the wells. Report recommended continuation of groundwater monitoring and sampling on quarterly basis due to VOC exceedence in groundwater. Groundwater analyticals show: 3.8ppb benzene(B2), 54ppb naphthalene(B2), 10ppb DCE(B5), 21ppb DCE(B6), 7ppb TCE(B6), 34ppb DCE(B7), 18ppb TCE(B7), 31ppb DCE(B8), 75ppb DCE(MW1), 69ppb TCE(MW1), 42ppb DCE(MW2), 40ppb TCE(MW2), 41ppb DCE(MW3), 56ppb TCE(MW3), 34ppb DCE(MW4), 22ppb TCE(MW4), 132ppb benzene(RW1). Groundwater at depth of 11'bg.

Report (Harbor) dated 9/21/07 and received on 9/24/07. Report includes site plan, soil and groundwater analyticals and monitoring data. Groundwater analyticals show: 90ppb DCE(MW1), 85ppb TCE(MW1), 48ppb DCE(MW2), 21ppb TCE(MW2), 26ppb DCE(MW3), 8ppb TCE(MW3), 73ppb DCE(MW4), 52ppb TCE(MW4), 312ppb benzene(RW1). Note that chlorinated solvent concentrations have increased in wells MW1, MW2, MW4 during last three sampling events.

Report (Harbor) dated 5/8/08 and received on 5/8/08. Groundwater analyticals show: 23ppb DCE(MW1), 198ppb TCE(MW1), 33ppb DCE(MW2), 60ppb TCE(MW2), 86ppb benzene(MW3), 83ppb benzene(MW4), 76ppb benzene(MW5), 74ppb benzene(MW6), 67ppb benzene(MW7), 76ppb benzene(RW1).

10/20/08-Vought-After discussion with DEC Austin, DEC requires: 1)additional monitoring and sampling of wells due to presence of chlorinated solvents and indications of dissolved contamination of benzene showing up in wells MW3, MW4, MW5, MW6, MW7 2)Phase I and surrounding area site plan including possible onsite and off-site sources of chlorinated solvents 3)sampling of the Walrus Pool. Vought called and spoke to Aletto and discussed requirement of additional monitoring and sent letter stating same. Vought called and left message for WCS Burbach with summary of additional requirement of continued monitoring.

11/12/08-Vought-Received email from WCS Burbach that she understands they will perform continued monitoring required for VOCs and SVOCS due to chlorinated solvents in groundwater. Request to confirm biweekly groundwater monitoring not required. "It is the intention of WCS to prepare Phase I report in house. Please confirm whether the DEC has any objections or requires a third party to prepare the Phase I." "Your letter also indicates that there is concern regarding the presence of benzene in the wells. My review of the data shows the presence of benzene in only one well during one sampling period, i.e., slightly elevated levels of benzene (1.05 ug/l) in RW-1 during the 12-11-07 sampling event. During the next sampling event, the benzene level in RW-1 (and all other wells) was below the detection level. It is our belief that benzene is not a concern in the groundwater at this site."

Vought called Burbach and left message to confirm that biweekly monitoring no longer required and that Phase I report prepared in house is acceptable and benzene continued requirement due to it being present in groundwater in most recent analyticals up to 86ppb and may reflect an increasing trend to be determined by further sampling.

7/2/10 - Raphael Ketani. I received the case in early June 2010. I reviewed the March 2, 2010 package of data. The data package contains analytical reports dated June 9, 2009, and September 2009. Analytes that are consistently appearing in succeeding rounds of groundwater sampling from wells MW-1 to MW-4 are 1,1,1-trichloroethane, 1,1-dichloroethane (parts per billion in the 20s to 60s). 1,1-dichloroethene appeared in one well in several later rounds. Two phthalate species consistently appear in the samples. Bis(2-methylhexyl)phthalate is up to 60 ppb and di-n-butylphthalate is consistently at about 7 ppb. There are occasional hits of pentachlorophenol. Wells MW-5 to MW-7 have been free of chlorinated solvents. These wells just have a little phthalate. RW-1 has consistently had acetone, 57 ppb in the September 2009 round, and 40 ppb of phenol in the September 2009 round.

It is not clear why the chlorinated solvents are appearing in wells MW-1 to MW-4. From the maps in the record, these wells are downgradient from the other wells which don't have solvents. However, they are just upgradient from the edge of the tanks for the walrus and seal exhibit. Wells MW-1 to MW-3 are downgradient from a grating that is depicted on the maps. Though well MW-4 is not and this well sometimes has higher chlorinated solvent hits than the others. RW-1 also doesn't have chlorinated solvent hits, but it does have consistent acetone hits. It may be that the liners for the walrus and seal tanks (or the tanks themselves) are deteriorating and releasing chemicals in the vicinity of MW-1 to MW-4. The acetone at RW-1 may be due to some cleaning solvent that is getting accidentally spilled into the grating.

I spoke to Michael Alletto, President of Harbor Environmental Corporation (212) 888-1984, ext 11, regarding the March 2, 2010 data package. He said that the staff from the Wildlife Conservation Society tried to figure out whether the chlorinated solvents were coming from something they use that was somehow getting into the groundwater, but they were unsuccessful. Mr. Alletto also said that he had no idea where the acetone was coming from, either. I asked whether another round of groundwater sampling was going to take place, as the last sampling took place during September 2009. Mr. Alletto said that no more sampling was going to be done. He said that the sampling was just for oil monitoring. He said that the WCS was supposed to submit a Phase I to DEC. I told him that we never received it. He added that Jeff Vought told him in an e-mail that the oil spill case would be closed and a new case would be opened in Hazardous Materials, if they will accept the case. I told him that I wasn't so sure about this and that Mr. Vought has been keeping the chlorinated solvent cases that were previously part of his case load. After this, the conversation ended. (Brenda Burbach (bur-back) (718) 220-7153 of WCS is the contact in their Environmental Division)

7/7/10 - Raphael Ketani. I had a conversation with Mr. Vought, who is now an Engineering Geologist I with Unit A of Region 2 DER. I pointed out that there are only chlorinated solvents showing up in the groundwater. He said that he will talk to his unit manager, Jane O'Connell and see whether the case should be transferred.

A little while later, Mr. Vought told me that Ms. O'Connell had told him that the case should be transferred to him as he is dealing with the chlorinated solvent "P" cases.

The data in the March 2, 2010 report indicates that the oil contamination has been remediated and that only chlorinated solvent contamination exists in the groundwater. Therefore, with the permission of Ms. O'Connell, I am closing the oil spill part of the case and transferring the case back to Mr. Vought in Unit A Region 2 DER for oversight and management.

01/12/2012-Begum- Intern for DEC Vought. As found on the DOB website, the address was listed as 801-803 Surf Ave. and 2986 West 8th street. Addresses were entered into the spill number.

The spills found around that site are the following:

Closed spill- 9711436(hydraulic leak) and closed spill-0713219 (1 qt oil in drain)

PBS-2-601768- One UST- 10,000 gal #2 fuel oil in service. Four UST closed tanks(550 gal gasoline, 550 gal of diesel, 10,000 gal of num 2 oil, and 10,000 gal of num 2 oil.)

CBS- 2-000034- 2 AST of 500 gal of sodium hydrochlorite in service and 2 closed AST (300 gal and 200 gal of sodium hypochlorite)

1/14/2011-Begum-Performed record search- DEC e-smart- Coney Island Aquarium: RCRA ID: NYD 986898989. Surrounding facilities manifest includes: waste paint, waste activated carbon, lithium, aluminum, hydride, aerosols, waste flammable corrosive liquids, mercury compounds, ethyl ether, petroleum distillates, mineral spirits, oxidizing solid, sodium cyanide, formaldehyde, "flammable liquids," potassium cyanide,"corrosive acidic organic liquid/solid," "corrosive basic, organic liquid." Con- Ed- (Surf ave and 50th st) manifest- polychlorinated biphenyls, lead/PCB sludge).

EPA enviofacts- Registry ID: 110008039069, printed out facility report (shows no violations/ penalties.)

NYSDOH Day Care- searched by zipcode (11224) found 36 listings. Terradex- YWCA- NYC After School (P.S 90) address: 2840 W 12th St.

NYCDOH- not available.

ScoreCard- searched, nothing found

1/19/2011- Begum- Complete file review by Begum

2006:

Initial Spill Report- 8/29/06- "Noticed oil coming up an exhibit floor" might be fm 2 abandoned oil tanks. Staff found 2 (10,000 gal) abandoned tanks, and staff says "seeping came fm ground near one of exhibits, traced back to 2 old tanks"

9/5/06- Vought sent letter to Brenda J. Burbach, Wildlife Conservation Society. DEC required the following:

1) Delineation of Soil and Groundwater Contamination (one boring b/w UST and walrus exhibit and one boring b/w UST and boiler room.)

2) Investigation of PVC Pipe in Boiler Room

3) Submission of updated PBS application (registration must reflect the discovery and closure of abandoned USTs.

4) Collection of soil endpoint samples from limit of excavation

Letter received fm Harbor Environmental Corporation-9/29/06 - claim to perform remedial acts:

1) Removal of two 10,000 gal undergr fuel oil petroleum storage tank and remediation of petroleum contamination. (completion of field activities- ~45 days)

2) "Furnishing, construction, development, sampling, and monitoring of groundwater monitoring wells (MW) and recovery wells (RW).

Will prepare an installation, sampling, and monitoring plan. (~ 60 days)

3) Preparation and submission of Investigation Summary Report (ISR)

2007:

Letter from Harbor to Vought-01/17/2007- states the installation of wells. There are 7 groundwater MWs depth of 25' below grade (6.25" hollow- stem auger), screen length (20 ft) and set min 10 ft into groundwater. One groundwater RW installed 25' below grade (10.25" hollow stem auger), screen length is min 20' and min 10' into groundwater. 5 Observation wells's depth of 15' within the former UST vault, screen is min 10'. Two samples collected fm each MW and RW. Collection of one gw sample fm each MW and RW. The wells will be monitored every week for first 4 weeks if no floating product found, then it will be monitored every month for a yr.

Investigation Summary Report- 8/1/2007-The Wildlife Conservation Society submitted the NYSDEC PBS application for substantial tank modification on Sept 6 2006. Aqueous Sample fm Walrus Pool Exhibit was taken on Sept 14 2006 and found conc of fuel oil and

kerosene. The wipe sample from the walrus pool had 450 ppm of fuel oil. Underground facilities were identified (Con Edison, cable) and located. HARBOR remedial action plan submitted to NYSDEC. The nonhazardous petroleum contaminated water was sent to AB for treatment and disposal. The contaminated soil was sent to Clean Earth. Report also contained historical summary noting that Harbor Environmental on 1/18/07, submitted a gw well construction, sampling and monitoring plan to NYSDEC and DEC approved plan. LIAL performed gw monitoring of the MW's and RW and there were no floating product found.

Soil Analyticals (Boring analytical: 9/06 and MW, RW analytical: 1/07 and 6/07) show

(0.0005 ppm methyl chloride RW1), 3.931 ppm Benzo(a)anthracene (B4), 3.777 ppm Benzo(a) pyrene (B4), 4.433 ppm Benzo(b)fluoranthene (B4), 1.786 ppm of Benzo(k)fluoranthene (B4), and 3.58 ppm chrysene (B4), 0.49 ppm dibenzo(a,h)anthracene (B4), 1.838 ppm Benzo(a)anthracene (MW1), 1.765 ppm Benzo(a)pyrene (MW1), 2.346 ppm Benzo(b)fluoranthene (MW1), 2.382 ppm chrysene (MW1).

GroundWater Analyticals (Boring analytical: 9/06 and MW, RW analytical: 1/07 and 6/07) show 3.8 ppb benzene (B2), 10 ppb 1,1 dichloroethane (B5), 21 ppb 1,1 dichloroethane (B6), 7 ppb 1,1,1 trichloroethane (B6), 34 ppb 1,1 dichloroethane (B7), 18 ppb 1,1,1 trichloroethane (B7), 16 ppb xylenes (B7), 31 ppb 1,1 dichloroethane (B8), 75 ppb 1,1 dichloroethane (MW1), 69 ppb 1,1,1 trichloroethane (MW1), 42 ppb 1,1 dichloroethane (MW2), 40 ppb 1,1,1 trichloroethane (MW2), 41 ppb 1,1 dichloroethane (MW 3), 56 ppb 1,1,1 trichloroethane (MW3), 34 ppb 1,1 dichloroethane (MW4), 22 ppb 1,1,1 trichloroethane (MW4), 8 ppb methylene chloride (MW4).

132 ppb benzene (RW1), 54 ppb naphthalene (B2), 10 ppb pentachlorophenol (B8), 33 ppb bis (2-ethylhexyl)phthalate (MW3), 34 ppb bis(2-ethylhexyl)phthalate (MW5)

NOTE: Two samples were taken for the MWs, one on 1/07 and another on 6/07. The concentration of contaminants increased.

Letter send fm HARBOR to Vought-9/21/07- Sent site/sample location plan (Gw MW, RW), soil/gw lab analytical result, Long Island Analytical Lab analysis report (9/12/07) and Long Island Analytical Lab gw monitoring data (7/05/07)

Letter send fm HARBOR to Vought- 05/08/2008- Sent site/sample location plan (Gw MW, RW), soil/gw lab analytical result, Long Island Analytical Lab analytical results dated 12/11/2007, 3/10/08. and Long Island Analytical Lab gw monitoring dated 10/17/2007, 11/08/2007, 12/6/2007, 1/10/2008, 2/8/2008, 3/6/2008.

Letter to Brenda, Wildlife Conservation Society from Vought- 10/21/2008- DEC requires a continuation of the biweekly groundwater monitoring and quarterly submission of reports. Due to presence of chlorinated solvents DEC requires quarterly sampling of MW as well. DEC also requires a Phase I report. DEC requires sampling of the walrus pool due to the presence of chlorinated solvents and "historical infiltration of petroleum contamination into the pool". These results were to be forwarded to the Department's Fish and Wildlife Unit.

Letter to Brenda fm Vought- 11/18/2008- DEC no longer required biweekly monitoring for free product due to the absence of free product. WCS wanted to prepare a Phase I report in the house and the DEC had no objections. Benzene was detected in one of the well (1.05 ppb) but during the next sampling event, the benzene level was below detection level.

Letter to Vought fm HARBOR- 3/2/2010- The following historical and updated results were sent: Site/Sample location Plan, Soil/ GW Laboratory Analytical Results, LIA Results from 6/9/09 and 9/3/09.

MW and RW sample fm 9/6/07- the depth of the well b/w 5-13 ft bg. 90 ppb DCA (MW1), 85 ppb TCA (MW1), 48 ppb DCA (MW2), 5 ppb DCE (MW2), 21 ppb TCA(MW2), 29 ppb DCA (MW3), 6 ppb TCA(MW3), 73 ppb DCA (MW4), 52 ppb TCA (MW4), 312 ppb acetone (RW1)

MW and RW sample fm 12/05/2008- 55 ppb DCA (MW1), 22 ppb TCA(MW2), 76 ppb DCA (MW2), 15 ppb TCA (MW2), 7 ppb DCE(MW2), 40 ppb DCA (MW3), 37 ppb DCA (MW4), 33 ppb TCA (MW4), 51 ppb acetone (RW1).

MW and RW sample fm 9/1/2009- 28.6 ppb DCA (MW1), 20.4 ppb TCA (MW1), 61.7 ppb DCA (MW2), 7.4 ppb DCE (MW2), 21 ppb TCA (MW2), 22 ppb DCA (MW3), 14 ppb TCA (MW3), 39 ppb DCA (MW4), 49 ppb TCA (MW4), 57 ppb acetone (RW1).

2/3/11-Vought-Intern Begum completed file review and summary site plans and meeting scheduled with RHWRE, intern and PM for 2/10 to discuss Site classification.

2/10/11-Vought-Meeting cancelled as intern not in office. Meeting to be rescheduled upon determination of intern availability.

DEC possibly requires:

1) reregistration of PBS showing #6

3/14/11-Vought-Meeting with Intern Begum, PM and RHWRE. As per RHWRE following needs to be performed: record check for the presence and recovery of petroleum free product; possible referral to DEC Albany for plume trackdown; researching of DCA to find possible uses and local sources; scanning of site maps and arrangement of meeting with RHWRE, intern, PM and DEC Cozzy to discuss site classification.

3/15/11-Vought-Scanned Site plans and sent them to DEC Cozzy and RHWRE with appointment for 3/17 to discuss site classification.

3/17/11-Vought-Teleconference with DEC Cozzy, RHWRE, DEC Vought and Intern Begum. Discussion included notes that no groundwater use on site, no demonstrated disposal of TCA and DCA. Intern Begum to examine Sanborn Maps, EPA EnviroFacts and possible plastic manufacturing facilities in vicinity of site (as TCA and DCA associated with plastic production). Begum to also examine degradation sequence of TCA and DCA to examine for possible parent/daughter products and hence possibly determine source.

4/6/11-Vought-Completed and transmitted NYS Library Borrowers Card Application to obtain Sanborn Maps.

4/11/11-Vought-Received NYS Library Card and Intern Begum began search for historical Sanborn Maps.



NO 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.

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
0501607	TRUMP VILLAGE - MISC	460 NEPTUNE AVE	BROOKLYN
0710622	BRIGHTON CLEANERS	3140 CONEY ISLAND AVE	BROOKLYN



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 8 **140 BRIGHTON 11TH ST** **Spill Number: 0403229** **Close Date: 08/04/2004**
 140 BRIGHTON 11TH ST BROOKLYN, NY TT-Id: 520A-0047-935

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2468 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: WALTER RYZOWY - WALTER RYZOWY - HOMEOWNER Spiller Phone: (718) 934-8267
 Notifier Type: Other Notifier Name: WILLIAM FALKENMEYER Notifier Phone: (718) 444-3400
 Caller Name: WILLIAM FALKENMEYER Caller Agency: HEATING OIL PARTNERS Caller Phone: (718) 444-3400
 DEC Investigator: TJDEMEO Contact for more spill info: STEVE BRAUN Contact Person Phone: (917) 763-3043

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
06/24/2004		TANK 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:
 faulty equipment and aged tank caused tank to spill. in the process of pumping tank out and cleaning it up

DEC Investigator Remarks:
 Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
 6/24/2004 Sangesland spoke with Steve Braun of Heating Oil Partners (718-444-3400). He said one of his service men was at the

house when a line broke. Approx 10 gal spilled out onto the basement floor. Sand and dirt in the basement absorbed a lot of the oil, but it has not been cleaned up.

Steve Braun said his company is NOT cleaning it up.

Sangesland left a message with homeowner:

Walter Ryzowy 718-934-8267 telling him he is responsible for the cleanup and needs to set up a final site inspection.

718 934 8267

917 744 4344

8/4/04 TJD

Site inspection 7/28/04. Tank formerly located beneath stairs has been relocated into garage. Concrete in good condition in area of former tank location. No obvious visual or olfactory evidence of sub-surface contamination. No sampling performed. No further action required. Spill closed.

Map Identification Number 9



BRIGHTON PROPERTIES, LLC
624 SHEEPSHEAD BAY ROAD

BROOKLYN, NY

Spill Number: 9414716

Close Date: 02/22/2001
TT-Id: 520A-0041-558

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 2488 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: Other
Caller Name: AL GULUM
DEC Investigator: SIGONA

Spiller: ALVIN BOSLWO, PRESIDENT - BRIGHTON PROPERTIES,
Notifier Name:
Caller Agency: SOIL MECHANICS
Contact for more spill info:

Spiller Phone: (718) 996-0200
Notifier Phone:
Caller Phone: (516) 221-7500
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	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
02/08/1995		TANK FAILURE	2-602111	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

LAB. TEST SHOWS CONTAMINATOR SOIL - TA NOT REGISTERED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
2/17/94 @0913HRS, MILLER SPOKE WITH CALLER, T. FIORENTINE: A PHASE 1 AND GEOPROBE INVESTIGATION WAS COMPLETED AND SUBMITTED TO BERGER/LEVER AND OWNER, ALVIN OF BRIGHTON PROPERTIES; A RECOMMENDATION ACCOMPANIED SUBMITTALS; USTS ARE OUT OF SERVICE (3,000 GAL #2, 550 OR 1,000 GAL WASTE OIL, 2-550 GAL GASOLINE AND ANOTHER LIKELY UST BENEATH A PAD.

10/10/95: This is additional information about material spilled from the translation of the old spill file: B.Y.X.

4/12/04-Vought-Spill transferred from Miller to Rommel as per Rommel.

1/12/06-Decandia-spill closed. Per Al Gulum of Sil Mechanics, tanks were pulled and wells were installed. See 94-14716 for additional info.



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 11

 250 BRIGHTON BEACH AVE BROOKLYN, NY

Spill Number: 9815567

Close Date: 02/26/2003

TT-Id: 520A-0042-319

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 422 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: DIME SAVINF BANK	Spiller Phone: (914) 244-2584
Notifier Type: Responsible Party	Notifier Name:	Notifier Phone:
Caller Name: TJ OCONNOR	Caller Agency: DRY AS A BONE	Caller Phone: (516) 678-5115
DEC Investigator: SMSANGES	Contact for more spill info: CALLER	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
03/31/1999		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	1500	Horner EZ Check I or II	0.00	UNKNOWN

Caller Remarks:

TANK FAILED TEST.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
 Replaced gasket, retested and passed.

Map Identification Number 12 **MORNINGSIDE REALTY** **Spill Number: 0713771** **Close Date: 05/30/2008**
 3094 BRIGHTON FIVE STREET BROOKLYN, NY TT-Id: 520A-0217-914

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)
 Approximate distance from property: 1139 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: 3094 BRIGHTON 5TH ST
 Revised zip code: 11235

Source of Spill: PRIVATE DWELLING Spiller: Spiller Phone:
 Notifier Type: Tank Tester Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: bkfalvey Contact for more spill info: MARLON 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	
03/28/2008		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:

Air vent leaking.

DEC Investigator Remarks:

4/15/08 Sent ttf letter to;
3094 Brighton LLC
1946 Coney Island Avenue
Brooklyn, NY 11235

Called Petroleum Tanks. They sent proposal to repair tank and have not heard back from them. They gave me the contact: Sybel (212)447-6848 ext. 208. I called and left a voicemail message on machine to call me back. bf

5/9/08 They are doing the work in-house and will have tank retested after repairs. Told them I want letter from person making repairs that no contamination was found. Tank to be tested next week. bf

5/21/08 Received call from Sibel Alev of Morningside Realty (212)447-6848. Tank was retested and passed. Also received letter from her on 5/13/08. Pipes were replaced. proposals were received for retesting of tank. Called her back and left voicemail message requesting tightness retest results and letter from Alfred Keco stating which pipes were replaced and that no contamination was found during replacement/removal work. bf

5/30/08 Received letter from Sibel Alev with tightness test and letter regarding repairs. NFA. bf

Map Identification Number 13 **460 NEPTUNE AV/TRUMP VILL**
 460 NEPTUNE AVE

NEW YORK CITY, NY

Spill Number: 8800680

Close Date: 12/29/1988
TT-Id: 520A-0046-193

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 1414 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
Notifier Type: Tank Tester
Caller Name: ANTHONY SIGONA
DEC Investigator: SIGONA

Spiller: TRUMP VILLAGE SECTION #3
Notifier Name:
Caller Agency: NYSDEC
Contact for more spill info:

Spiller Phone: (718) 946-1860
Notifier Phone:
Caller Phone: (718) 482-4933
Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved		Meets Cleanup Standards		Penalty Recommended
04/21/1988	12/29/1988	TANK TEST FAILURE	2-277223		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	GROUNDWATER	

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

(2) 35K TANKS TESTED, 1ST HAD A HIGH VOLUME LEAK, 2ND HAD A LEAK RATE OF -0.7074GPH.TANK RETESTED BY HUNTER ENVIR. AND PASSED TEST, SOME OF THE PIPING WAS REPLACED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 14  **2882 BRIGHTON 3RD STREET** **Spill Number: 9210536** **Close Date: 11/23/1994**
 2882 BRIGHTON 3RD STREET BROOKLYN, NY TT-Id: 520A-0049-071

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1414 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING	Spiller: JOHN ILDFONSO	Spiller Phone: (718) 332-2361
Notifier Type: Affected Persons	Notifier Name:	Notifier Phone:
Caller Name: JULIA OBERNAM	Caller Agency: CITIZEN	Caller Phone: (718) 769-2712
DEC Investigator: SIGONA	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: Unknown RP - DEC Field Response - DEC Corrective Action Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
12/11/1992	12/16/1992	TANK TEST FAILURE	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	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:

YESTERDAY SMELLED PETRO, FOUND BASEMENT FLOODED, PUMPING OUT OIL/WATER DEC (SIGONA) HIRED MIRO CONTRACTOR TO CLEANUP SPILL UNDER STATE FUNDED -LEAKING FILL LINE LOCATED AT 2880 BRIGHTON 3RD STREET

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:

11/23/94: PHOTOGRAPHS OF LEAKING TANK/PIPING TAKEN AT 2880 BRIGHTON 3RD STREET SPILL RELATED TO NOR' EASTER FLOODING PROBLEMS DECEMBER '92.

Map Identification Number 15 **CLOSED-LACKOF RECENT INFO** **Spill Number: 8710183** **Close Date: 02/18/2003**
 2915 WEST 5TH ST NEW YORK CITY, NY TT-Id: 520A-0043-954

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1493 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: TRUMP VILLAGE Spiller Phone: (718) 946-1406
 Notifier Type: Tank Tester Notifier Name: Notifier Phone:
 Caller Name: ALAN KARRON Caller Agency: TANK TESTING INC. Caller Phone: (718) 789-3770
 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

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
12/21/1987		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:

(2) 30K TANKS SYPHONED TOGETHER, LEAK RATE WAS UNDETERMINED, COULDN'T STABILIZE PRODUCT IN STANDPIPE, EXCAVATE, ISOLATE AND RETEST.

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 16 **CLOSED-LACKOF RECENT INFO** **Spill Number: 8803751** **Close Date: 03/05/2003**
 3115 BRIGHTON 6TH STREET BROOKLYN, NY TT-Id: 520A-0040-864

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)
 Approximate distance from property: 1591 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: BEN JOSH MGNT	Spiller Phone: (718) 373-1011
Notifier Type: Tank Tester	Notifier Name:	Notifier Phone:
Caller Name: DONALD CONNOLLY	Caller Agency: GND SERVICE	Caller Phone: (516) 933-1085
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

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
07/29/1988		TANK TEST FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#4 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:

5K TANK FAILED INITIAL SYTEM- PETRO TITE TEST, COULDN'T MAINTAIN LEVELIN STANDPIPE, MAY BE PROBLEM WITH 3 INCH LINE, WILL EXCAVATE, ISOLATE AND RETEST.CLOSED DUE TO LACK OF ANY RECENT INFO- DOES NOT MEET ANY CLEAN UP REQUIREMENTS.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ADMIN.CLOSED"
03/05/2003- Closed Due To The Nature / Extent Of The Spill Report

Map Identification Number 17 **711 BRIGHTWATER**
711 BRIGHTWATER

CONEY ISLAND, NY

Spill Number: 9313856

Close Date: 02/27/2003
TT-Id: 520A-0043-435

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 1919 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: 711 BRIGHTWATER CT
Revised zip code: 11224

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER
Notifier Type: Tank Tester
Caller Name: JOHN MC KEARNIN
DEC Investigator: TOMASELLO

Spiller: ALIAS MALLOUK REALTY
Notifier Name:
Caller Agency: TANK TECH CORP.
Contact for more spill info:

Spiller Phone: (516) 747-5090
Notifier Phone:
Caller Phone: (914) 268-8265
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	
02/24/1994		TANK TEST FAILURE	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

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

TANK FAILED- EMPTIED TANK OUT TRYING TO DO REPAIR WORK. WANT CALL BACK FOR FURTHER INFORMATION.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 18 **2928 W 5TH ST/TRUMP VILL**
 2928 WEST 5TH ST

NEW YORK CITY, NY

Spill Number: 8800710

Close Date: 02/27/1989
 TT-Id: 520A-0043-955

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1948 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Tank Tester
 Caller Name: SEBASTIAN LOREFICE
 DEC Investigator: SIGONA

Spiller: TRUMP VILLAGE SECTION #4
 Notifier Name:
 Caller Agency: TANK TESTING INC
 Contact for more spill info:

Spiller Phone: (718) 946-4964
 Notifier Phone:
 Caller Phone: (718) 789-3770
 Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
04/22/1988	02/27/1989	TANK TEST FAILURE	2-277258	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	GROUNDWATER

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

(2) TANKS IN SYSTEM, TANK (001)-35K ISOLATED FAILED HORNER EZY WITH A LEAK RATE OF .5GPH, TANK (002)-35K ISOLATED FAILED HORNER EZY WITH A LEAK RATE OF .3GPH.RETESED WITH HUNTER ENVIRON. AND PASSED.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 19 **2928 W 5TH ST/BKLYN/TRUMP**
 2928 WEST 5TH ST

NEW YORK CITY, NY

Spill Number: 8710619

Close Date: 11/05/1993
 TT-Id: 520A-0043-956

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1948 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING
 Notifier Type: Tank Tester
 Caller Name: ALAN KARRON
 DEC Investigator: BATTISTA

Spiller: TRUMP VILLAGE(SECTION 4)
 Notifier Name:
 Caller Agency: TANK TESTING INC.
 Contact for more spill info:

Spiller Phone: (718) 946-4964
 Notifier Phone:
 Caller Phone: (718) 789-3770
 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
03/17/1988	11/05/1993	TANK TEST FAILURE	2-277258	NO	NO

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
#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:

(2) TANKS TESTED 1ST FAILED WITH A LEAK RATE OF .2GPH (NORTH TANK 35K)2ND TANK FAILED WITH A LEAK RATE OF .2GPH (SOUTH TANK 35K),BOTH FAILEDHORNER EZY CHECK,PROBABLE LINE PROBLEM.

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:

03/17/88: WILL EXCAVATE, ISOLATE AND RETEST, MONITORING THE LEVEL OF PRODUCT.

11/05/93: WILL EXCAVATE, ISOLATE AND RETEST, MONITORING THE LEVEL OF PRODUCT.HUNTER ENVIRONMENTAL RETESTED AND PASSED 5/9/88.

Map Identification Number 20 **231 NEPTUNE AVE/GETTY STA** **Spill Number: 8710929** **Close Date: 07/16/1992**
 231 NEPTUNE AVENUE NEW YORK CITY, NY TT-Id: 520A-0040-838

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2051 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION	Spiller: GETTY STATION	Spiller Phone: (718) 729-6500
Notifier Type: Tank Tester	Notifier Name:	Notifier Phone:
Caller Name: HOWARD GREENBERG	Caller Agency: ALVIN PETROLEUM	Caller Phone: (718) 461-5400
DEC Investigator: SULLIVAN	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	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
03/29/1988	07/16/1992	TANK TEST FAILURE	2-146196	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	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:

4K TANK FAILED WITH A LEAK RATE OF -.461GPH, TO EXCAVATE & INVESTIGATE

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 21



2850 SHORE PARKWAY

BROOKLYN, NY

Spill Number: 8905426

Close Date: 04/09/2003

TT-Id: 520A-0046-188

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 2073 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL

Spiller:

Spiller Phone: (718) 978-1700

Notifier Type: Tank Tester

Notifier Name:

Notifier Phone:

Caller Name: SEBASTIAN LOREFICE

Caller Agency: TANK TESTING

Caller Phone: (718) 789-3770

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	
09/01/1989		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:

7.5K TANK FAILED HORNER EZY CHECK WITH A GROSS LEAK, SUSPECT FILL LINE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
 03/06/2003- Closed Due To The Nature / Extent Of The Spill Report Formerly Battista Spill. 2/12/03Submittal From R&C Management Co (Irving Cohen). Tanks Retested After Repair On 11/8/89 By Horner Ez3 Passed. Rommel2/19/03Letter Mailed To Irving Cohen At 139-15 243Rd Street, Rosedale Ny 11422 Requiring Borings. Rommel03/18/03Soil Samples Collected By Winston From Three Borings 8-12 Feet Below Grade At Watertable. Svoc And Voc Analysis Results Acceptable For Closure. Rommel

Map Identification Number 22 **3046 CONEY ISLAND AV/BKLY** **Spill Number: 8903465** **Close Date: 03/05/2004**
 3046 CONEY ISLAND AVENUE NEW YORK CITY, NY TT-Id: 520A-0040-925

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2388 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION Spiller: SUNOCO GAS STATION AA Spiller Phone:
 Notifier Type: Tank Tester Notifier Name: Notifier Phone:
 Caller Name: WILLIAM PANDOLFO Caller Agency: GASOLINE INSTALLATION Caller Phone: (516) 371-2743
 DEC Investigator: WXSUN Contact for more spill info: Contact Person Phone:

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	
07/06/1989		TANK TEST FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	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:

TANK FAILED A SYSTEM TEST, PETRO TITE, LEAK RATE -0.365GPH, SUNOCO WILL INVESTIGATE SOURCE OF LEAK.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SUN"
 12/10/2003 Reassigned from Tipple to Sun.

02/04/2004-Sun-File Update by Sun:

-Quarterly Monitoring and Sampling Report (July through September 2003), by EnviroTrac (Anthony Fiorentine, 631-471-1500): There are five (5) monitoring wells on site. On 8/25/2003, no liquid phase hydrocarbons (LPH) were detected. The depth to water

ranged from 6.18 (MW-2) to 7.03 (MW-1) feet below the surface. Five (5) wells (MW-1,2,3, 4, & 5) were sampled on 8/25/2003. BTEX concentrations ranged from ND (MW-1,3 & 5) to 158.4 ug/l (MW-2). MTBE concentrations ranged from 1.7 (MW-3) to 260 ug/l (MW-5). An air sparge/soil vapor extraction system was operated from July 1996 to March 2000. The SVE system was turned off on 3/27/2000 due to low groundwater concentrations, and because the system hydrocarbon recovery rate reached asymptotic levels.

03/04/2004-File Update by Sun: This Spill was closed on 03/05/2004 based on the submitted documentation provided by EnviroTrac, dated January 20, 2004, and data of 02/12/2004.

Map Identification Number 23 **3040 CONEY ISLAND/SUNOCO** **Spill Number: 8903883** **Close Date: 07/27/1994**
 3040 CONEY ISLAND AVENUE NEW YORK CITY, NY TT-Id: 520A-0046-189

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (4)
 Approximate distance from property: 2586 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION Spiller: SUNOCO AA Spiller Phone: (718) 646-9747
 Notifier Type: Tank Tester Notifier Name: Notifier Phone:
 Caller Name: BOB MENIGKE Caller Agency: GAS INSTALLATIONS Caller Phone: (718) 647-7443
 DEC Investigator: SIGONA 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	PBS # Involved	Meets Cleanup Standards	Penalty Recommended
07/18/1989	07/27/1994	TANK TEST FAILURE	2-339776	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	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:

(8) 550 GALLON TANKS MANIFOLDED FAILED PETROTITE WITH A LEAK RATE OF -.753GPH, WILL PUMP OUT TANKS.

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 24 **UN FRONT OF 3039 OCEAN PKWY** **Spill Number: 0006453** **Close Date: 08/18/2009**
 3039 OCEAN PKWY BROOKLYN, NY TT-Id: 520A-0043-951

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 412 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: IFO 3039 OCEAN PKWY
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: SAME	Notifier Phone:
Caller Name: TED ROBICHAUD	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: JMKRIMGO	Contact for more spill info: TED ROBICHAUD	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
08/30/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL
The following material was dropped or revised by the NYS DEC. Call Toxics Targeting for more information						
OTHER PETROLEUM	UNKNOWN	1.00	GALLONS	0.00	GALLONS	

Caller Remarks:

THEY HAVE "1 PINT" SITTING ON TOP "200 GALLONS" OF WATER AT THE ABOVE LOCATION.NO SEWERS OR WATERWAYS.SAMPLE TAKEN PENDING CLEANUP.

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 "O'CONNELL"

Map Identification Number 25 **TM #606** **Spill Number: 0005852** **Close Date: 05/08/2001**
 **BRIGHTON 2 & BRIGHTON BCH** **BROOKLYN, NY** **TT-Id: 520A-0037-722**

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 448 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: BRIGHTON 2ND ST / BRIGHTON BEACH AVE
 Revised zip code: 11235

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: CHRIS NEVEL	Notifier Phone:
Caller Name: TONY LOPEZ	Caller Agency: CON EDISON	Caller Phone: (212) 580-6764
DEC Investigator: JHOCONNE	Contact for more spill info: TONY LOPEZ	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
08/16/2000		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 200gals of water - cleanup pending test results ref #132892

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
DEC INSPECTOR'S NOTES

Sample results <1ppm. Cleanup, done.

CON ED E2MIS REPORT 8-16-00 0842hrs.

Undiaperable sheen on 400 gals. of water in TM606. Pressure tested unit found to be good. Oil level also is good. States no sewers or waterways are affected. Sample has been taken. Sheen may be food related to fried chicken store which leaves garbage on sidewalk in front of transformer and he sees dark stain running from street inot structure. Cement sump in structure. This structure was previously cleaned on 7-07-00 #132175 and when tested wa found to be <1ppm. Cleanup pending new test results.

8-17-00

Lab Seq#00-07862 <1ppm

1-26-01 1345hrs.

Cleanup completed by double washing structure with slix. Liquids were removed by tnakr,soilds were removed by tanker. No leaking company equipment. Incident closed.

Map Identification Number 26 **MANHOLE #73165** **Spill Number: 0402584** **Close Date: 09/14/2004**
 OCEAN PARKY/OCEANVIEW AVE BROOKLYN, NY TT-Id: 520A-0050-042

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 571 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: OCEAN PKWY / OCEANVIEW AVE
 Revised zip code: UNKNOWN

Source of Spill: UNKNOWN	Spiller: ERT DESK - CON ED	Spiller Phone: (212) 580-8383
Notifier Type: Responsible Party	Notifier Name: CHRIS SHIKARIVES	Notifier Phone: (212) 580-5673
Caller Name: CHRIS SHIKARIVES	Caller Agency: CON ED	Caller Phone: (212) 580-5673
DEC Investigator: JHOCONNE	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	
06/08/2004		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

3 PINTS ON 300 GALLONS OF WATER, COMING OFF 24HR. CLOCK: NO TO 5 QUESTIONS ALL COONTAINED AND CLEAN UP IN PROCESS;

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 153739:

APPROX 3 PTS OF AN UNKNOWN OIL ON APPROX 500 GALS OF WATER IN MH735. SPILL IS CONTAINED. CLEANUP PENDING LAB RESULT.

LSN-04-04453-001 PCB <1 PPM

UPDATE: 6/9/04 - 1905

D. RODRIGUEZ - ENV. OPS., REPORTS STRUCTURE DOUBLE WASHED WITH BULLDOG. TANKER REMOVED 5000 GALS OF LIQUIDS. TAG REMAINS
PENDING MEET WITH WATER DEPT FOR A FRESH WATER LEAK.

Subject: update on inc.#153739, M.H.73165

UPDATE- 6/16/04-2:45 HRS.

WALKER ENV.OPS O/S REPORTS. CONED UNDER 50 TANKER REMOVED 3300 GAL.OF LIQUID, DOUBLE WASH WITH A-1 AND BG 760. THERE WAS NO DIRT
IN HOLE. STRUCTURE MAKES FRESH WATER THRU SUMP. IT WILL HAVE TO BE CEMENTED WHEN WATER IS STOPPED. JOB IS 100% COMPLETE.

Map Identification Number 27**MH 357250**

OCEAN PKWAY/OCEAN VIEW

BROOKLYN, NY

Spill Number: 0100555**Close Date: 08/22/2001**

TT-Id: 520A-0050-043

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 571 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: OCEAN PKWY / OCEANVIEW AV

Revised zip code: UNKNOWN

Source of Spill: UNKNOWN
Notifier Type: Affected Persons
Caller Name: PETER MCGUIRE
DEC Investigator: KMFOLEY

Spiller: UNKNOWN
Notifier Name: MR ZAMBRIO
Caller Agency: CON ED
Contact for more spill info: PETER MCGUIRE

Spiller Phone:
Notifier Phone: (212) 580-6763
Caller Phone: (212) 580-6765
Contact Person Phone: (212) 580-6765

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	
04/14/2001		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:

ref #136455...1 pint spilled...samples tanken clean up pending.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
CON ED E2MIS REPORT 4-14-01

While doing routine work, found approx. 1pt.of unknown oil on 300gals.of water in MH-37250.

LSN 01-03693 <1.00ppm

4-15-01 1300hrs.

Cannot complete cleanup due to structure making water, water coming in from ducts attached to MH73165. Flush Op. had a 5000gal. tanker fill up trying to do cleanup. Will follow up on Monday with 2 tankers.

Structure was double washed and rinsed with slix and water. No sheen is present at this time. Tanker 5000gals. of liquids, no sump found. Tag removed, cleanup complete.

Map Identification Number 28



OCEAN PKWAY/OCEAN VIEW

BROOKLYN, NY

Spill Number: 0100315

Close Date: 08/22/2001

TT-Id: 520A-0050-044

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 571 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: OCEAN PKWY / OCEANVIEW AV
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN Spiller: unknown - Unknown Spiller Phone:
 Notifier Type: Affected Persons Notifier Name: SEAN MCKEEVER Notifier Phone: (212) 580-6763
 Caller Name: SEAN MCKEEVER Caller Agency: CON ED 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	
04/09/2001		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

con ed # 136346 man hole 73165 sheen of unk oil on the surface of water in manhole level of water and amount of oil change due to what may be the rise and lowering of the tide clean up was started but more oil seems to enter when the water level rises attempts to be made at stopping the water from entering the structure

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"

Map Identification Number 29 **MANHOLE 64235** **Spill Number: 0005556** **Close Date: 06/02/2003**
 OCEAN VIEW AV/OCEAN PKWY BROOKLYN, NY TT-Id: 520A-0038-522

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 571 feet to the NW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CON EDISON Spiller Phone:
 Notifier Type: Responsible Party Notifier Name: WAINRIGHT Notifier Phone:
 Caller Name: TONY LOPEZ Caller Agency: CON EDISON Caller Phone: (212) 580-6764
 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
08/09/2000		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:

1GAL ON 300GAL - CONTAINED - CASE #132788

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 30 **50 BRIGHTON 1ST RD**
 50 BRIGHTON 1ST RD

BROOKLYN, NY

Spill Number: 9301349

Close Date: 04/28/1993
 TT-Id: 520A-0041-277

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 587 feet to the SSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Citizen
 Caller Name: R.O HABSON
 DEC Investigator: KSTANG

Spiller:
 Notifier Name:
 Caller Agency: USCG
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (212) 668-7920
 Contact Person Phone:

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
04/28/1993	04/28/1993	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	UNKNOWN	0	UNKNOWN	SURFACE WATER

Caller Remarks:

3'-6' WIDE AS FAR AS CAN BE SEEN. TO NOTIFY NYC DEP.USCG THINKS IT'S POSSIBLE .REFER TO SPDGS

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"

Map Identification Number 31 **BRIGHTEN BEACH AVE-OCEAN** **Spill Number: 9314063** **Close Date: 03/18/1994**
 BRIGHTON BEACH AVE - OCEAN BROOKLYN, NY TT-Id: 520A-0037-983

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 623 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: BRIGHTON BEACH AV/OCEAN PKWY
 Revised zip code: 11235

Source of Spill: UNKNOWN	Spiller: UNK	Spiller Phone:
Notifier Type: Local Agency	Notifier Name:	Notifier Phone:
Caller Name: ERMA CONZALAS	Caller Agency: NYC DEP	Caller Phone: (718) 595-6777
DEC Investigator: ADZHITOM	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
03/01/1994	03/18/1994	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	30.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

FOUND SPILL IN STREET - NYC DEP ENROUTE. NOTHING ON THE STREET.

Map Identification Number 33 **TRANSFORMER VAULT 5366**
 3000 OCEAN PARKWAY

BROOKLYN, NY

Spill Number: 9903139

Close Date: 05/18/2000
 TT-Id: 520A-0042-368

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 694 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Affected Persons
 Caller Name: FRANK MASSERIA
 DEC Investigator: JHOCONNE

Spiller: UNKNOWN
 Notifier Name: MR PAVERELLI
 Caller Agency: CON EDISON
 Contact for more spill info:

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 - 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	
06/18/1999		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:

CON EDISON #125622 CLEAN UP AS 50-499 PPM PCP. SAMPLES TAKEN

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con ed e2mis notes:

Aprrox 300 gallons water in VS5366, pressure tested transformer and it held and transformer does not show below min. A 10 pcb count. Notified Cribbin that cleanup starting now as 50 -499. <1.0ppm pcb. Cleanup completed by Dellarosa, Incident is closed.

Map Identification Number 34 **3100 OCEAN PKWY/BKLYN**
 3100 OCEAN PARKWAY

BROOKLYN, NY

Spill Number: 9010126

Close Date: 12/20/1990
 TT-Id: 520A-0043-962

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 885 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Other
 Caller Name: BOB DECK
 DEC Investigator: KSTANG

Spiller:
 Notifier Name:
 Caller Agency: PETROLEUM TANK CLEANERS
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (718) 624-4842
 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
12/18/1990	12/20/1990	UNKNOWN	2-317152	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	-1.00	UNKNOWN	0.00	UNKNOWN	SOIL

TANK TEST INFORMATION

Tank Number	Tank Size	Tank Test Method	Leak Rate	Gross Leak or Failure
		Unknown	0.00	UNKNOWN

Caller Remarks:

SPILLAGE CONTAINED IN BASEMENT, OLD TANK, TANK WILL BE CLEANED OUT & REMOVED.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
 10/10/95: This is additional information about material spilled from the translation of the old spill file: OIL & WATER.

Map Identification Number 35 **MH 1503** **Spill Number: 9903345** **Close Date: 07/26/1999**
 NEPTUNE AVE / OCEAN PARK NEW YORK, NY TT-Id: 520A-0043-074

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1184 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: NEPTUNE AVE / OCEAN PARKWAY
 Revised zip code: 11224

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
 Notifier Type: Affected Persons Notifier Name: MR HERBSTER Notifier Phone:
 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
06/23/1999		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:
 2 GALS ON 100 GALS WATER CON ED
 125715

DEC Investigator Remarks:
 Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 con ed e2mis notes:

Approximately 2 gallons of unknown oil on 100 gallons of water in MH 1503 swc neptune ave. Unable to ascertain where unknown oil came from. Sample taken. 7 ppm, Update: 6/24/99- 1220 env ops reports 7 ppm cleanup complete.

Update - No leaking company equipment.

Map Identification Number 36 **MANHOLE 1503** **Spill Number: 0511714** **Close Date: 06/14/2006**
 OCEAN PKWAY AND NEPTUNE AVENUE BROOKLYN, NY TT-Id: 520A-0038-604

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1184 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: OCEAN PKWY / NEPTUNE AVE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: ERT DESK - CON EDISON MANHOLE 1503 Spiller Phone: (212) 580-8383
 Notifier Type: Responsible Party Notifier Name: MR HOGAN Notifier Phone: (212) 580-6763
 Caller Name: PETE MCGURIE Caller Agency: CON ED Caller Phone: (212) 580-6763
 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	
01/10/2006		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

I GALL UNK OIL IN THE MANHOLE ON 20 GALS WATER-UNK REASON FOR SPILL-NO CONTACT-CLEANUP PENDING pcb COUNT-FURTHER EVAL OF HIGH pcb COUNT. 162484

DEC Investigator Remarks:

06/14/06 - See e-docs for Con Ed report detailing cleanup and closure.

162484. 1/10/2006 11:05 HRS S. SFERRAZZA #85751 MECH A MTCE SVCS REPORTS FINDING APPROX 1 GAL OF UNKNOWN OIL ON APPROX 20 GALS OF WATER IN M1503. THIS WAS FOUND WHILE ATTEMPTING TO DO A STREET LIGHT REPAIR ON ACCT# C3448. THERE WAS NO SMOKE, FIRE, OR INJURIES RELATED TO THE SPILL, NOR WERE ANY SEWERS, WATERWAYS, OR PRIVATE PROPERTY AFFECTED. THE SOURCE AND CAUSE OF THE SPILL IS UNKNOWN. THE STANDING WATER IN THE STRUCTURE HAD NO MOVEMENT, AND THE EXISTENCE OF ANY SEWER CONNECTIONS, SUMPS, OR DRAINS COULD NOT BE VERIFIED AT THIS TIME. ENV STOP TAG# 42737 WAS PLACED AND ONE LIQUID SAMPLE TAKEN ON "E" PRIORITY FOR PCB ANALYSIS ON CHAIN OF CUSTODY# EE05042. THE SAMPLE WILL BE TAKEN TO CHEM LAB BY MR SFERRAZZA AND CLEANUP IS PENDING LAB RESULTS. J ANDERSON

UPDATE 1-10-06 16:00HRS LAB SEQ# 06-00240-001 FLASHPOINT >140 DEG F. S. PACE 49874.

UPDATE 10-JAN-2006 20:24 HRS. LSN-06-00241-001 MATRIX : OIL GRAB. 1004 PPM C.HOGAN 07511

UPDATE 10-JAN-2006 20:43 HRS. LSN-06-00242-001 MATRIX : WATER & OIL GRAB
ANALYSIS INDICATES A PRESENCE OF A CABLE OIL. C.HOGAN 07511

UPDATE 10-JAN-2006 11:21 HRS. DUE TO THE HIGH PCB COUNT (1004 PPM) INCIDENT# 162484 WILL NOT BE MEETING THE 72HR CLOCK AND
WILL BE RECLASSIFIED AS SPILL OIL (UNKNOWN TYPE). C.HOGAN 07511

Map Identification Number 37 **SERVICE BOX 4595** **Spill Number: 0309035** **Close Date: 06/29/2005**
 ES OF BRIGHTON & 3RD ST BROOKLYN, NY TT-Id: 520A-0043-961

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
Approximate distance from property: 1371 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: W BRIGHTON AV / W 3RD ST
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
 Notifier Type: Affected Persons Notifier Name: MR PACE Notifier Phone: (212) 580-6763
 Caller Name: PAUL DIDONATO Caller Agency: CON EDISON Caller Phone: (212) 580-6763
 DEC Investigator: JHOCONNIE Contact for more spill info: PAUL DIDONATO 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
11/24/2003		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:

1 gallon on 200 gallons of water - coming off 24 list - cleaning pending scaffolding removal. Con Ed #151258

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 151-258:

11/24/03=1130HRS DEROSA WHILE DOING INSPECTION IN VS-4595 FEEDER 11B02 FOUND APPROX 1-GALLON OF UNKNOWN OIL ON APPROX 200 GALLONS OF WATER. IT APPEARS TO BE CONTAINED AT THIS TIME NO SEWER OR WATERWAYS AFFECTED. UNIT WAS PRESSURE TESTED AND HELD OK (OIL LEVEL GOOD). SAMPLE TAKEN.

UPDATE 11-24-03 21:00HRS LAB SEQ# 03-09502-00 <1.0 PPM.

UPDATE 11-25-0 0:30HRS THIS JOB WILL BE TAKEN OFF THE 24HR CLOCK BECAUSE OF SCAFFOLDING NEAR STRUCTURE.

1/26/04 23:15 HRS. -- D. LICHTENSTEIN OF BROOKLYN ENV. OPS. REPORTS THAT HE & S.ROSENKING REMOVED ALL LIQUIDS AND SOLIDS WITH VACTOR, DOUBLE WASHED STRUCTURE WITH BIOGEN 760, FOUND SUMP ALREADY SEALED AND REMOVED ENV. STOP TAG #11453. CLEANUP COMPLETE AT THIS TIME.

Map Identification Number 38 **2915 TRUMP VILLAGE**
 460 NEPTUNE AVE

BROOKLYN, NY

Spill Number: 0513999

Close Date: 03/08/2006
 TT-Id: 520A-0046-191

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1414 feet to the WNW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Other
 Caller Name: MIKE SEPE
 DEC Investigator: SMSANGES

Spiller: BARBRA ESCOBAR
 Notifier Name: MIKE SEPE
 Caller Agency: FENLEY NICOL
 Contact for more spill info: BARBRA ESCOBAR

Spiller Phone: (718) 946-1860
 Notifier Phone: (631) 586-4900
 Caller Phone: (631) 586-4900
 Contact Person Phone: (718) 946-1860

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	
03/07/2006		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
#2 FUEL OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

NUMEROUS SPILL NUMBERS FOR THIS CASE AND HE BELUIEVES THAT THE LINE THAT FAILED MAY BE RESPONSIBLE FOR THE PTRDUCT THAT IS THE SOIL. THE SPILL NUMBER # 0501607

DEC Investigator Remarks:

This spill closed. Ref to Spill #0501607

Map Identification Number 39 **MH 37291** **Spill Number: 0002485** **Close Date: 09/24/2001**
 **OCEAN AV AND BRIGHTON 6TH** **BROOKLYN, NY** **TT-Id: 520A-0037-713**

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1504 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: OCEAN VIEW AVE / BRIGHTON 6TH ST
 Revised zip code: 11235

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
 Notifier Type: Affected Persons Notifier Name: DONATONE Notifier Phone:
 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
05/30/2000		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:

on 200 gals water 131617

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con Ed e2mis #131617:

5-30-00 1/2gal unknown oil on 200gal water in manhole. Unable to see sump or oil filled equipment due to water. Sample returned <1ppm PCB.

Cleanup completed on 5/31/00 0430hrs. No sump. FOD on location doing work.

Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment.

Map Identification Number 40 **EAGLE GAS STATION** **Spill Number: 9906761** **Close Date: 03/04/2003**
 292 NEPTUNE AVENUE BROOKLYN, NY TT-Id: 520A-0042-410

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 1504 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: 292 NEPTUNE AVE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION Spiller: EAGLE GAS STATION Spiller Phone:
 Notifier Type: Other Notifier Name: BOB ARCARO Notifier Phone: (718) 331-5003
 Caller Name: BOB ARCARO Caller Agency: TONE TANK AND PUMP INC Caller Phone: (718) 331-5003
 DEC Investigator: aaobliga Contact for more spill info: ILYA Contact Person Phone: (718) 743-5073

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
09/07/1999		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:

LINE TEST - NYCFD INSPECTOR ON SCENE WITNESSING THE TEST

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"
 03/04/2003 Closed Due To The Nature / Extent Of The Spill Report

Map Identification Number 41 **VEHICLE** **Spill Number: 0902662** **Close Date: 06/05/2009**
 30-66 BRIGHTON 7 STREET BRIGHTON BEACH, NY TT-Id: 520A-0230-834

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)
 Approximate distance from property: 1632 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 3066 BRIGHTON 7TH ST
 Revised zip code: 11235

Source of Spill: PASSENGER VEHICLE Spiller: UNK Spiller Phone:
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: SFRAHMAN Contact for more spill info: FIRE FIGHTER KEARNEY Contact Person Phone: (347) 203-6886

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	
06/05/2009		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	20.00	GALLONS	0.00	GALLONS	SEWER

Caller Remarks:

found van that was leaking gas in front of above address, approx 15 gallons leaked onto street some may have got into sewer, FDNY hazmat is pumping fuel into 55 gallon drum.

DEC Investigator Remarks:

I spoke with FF Mr. Kearney who indicated that drums will be taken away by the tow truck.(sr)

Map Identification Number 42 **V877 SUBMERSABLE VAULT** **Spill Number: 9815448** **Close Date: 03/31/1999**
 NEPTUNE AVE/E 5TH ST BROOKLYN, NY TT-Id: 520A-0235-170

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1646 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NEPTUNE AVE / BRIGHTON 5TH ST
 Revised zip code: 11224

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: unknown - Unknown	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: STEVE ROMERO	Notifier Phone: (212) 580-6763
Caller Name: STEVE ROMERO	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: CAENGELH	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	
03/29/1999		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:

SHEEN ON WATER IN VAULT-HAS BEEN CONTAINED-PENDING SAMPLE RESULTS

CLEANUP WILL TAKE PLACE- CON ED#123930

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"
CON ED E2MIS NOTES

An undiaperable sheen found on 200 gals, of water. Sample taken with 4-6 hr. priority. Pressure tested unit, OK. No sewers or waterways affected. Spill is contained. Tag installed #08250

Cleanup pending test results.

3-29-99 18:45

Lab Seq# 99-03187, <1.0ppm PCB

3-30-99 1330

Cleanup complete and tag removed. Incident Closed.

Map Identification Number 43  **205081; NEPTUNE AVE VS4897 - S/S NEPTUNE AVE**
 NEPTUNE AVE VS4897 - S/S NEPTUNE AVE , NY
 210' E/O W. 5 ST

Spill Number: 0890023 **Close Date: 03/29/2007**
 TT-Id: 520A-0217-968

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (4)
 Approximate distance from property: 1655 feet to the WNW

ADDRESS CHANGE INFORMATION
 Revised street: S SIDE NEPTUNE AVE 210 E OF W 5TH ST
 Revised zip code: 11224

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	
03/26/2007		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	UTILITY

Caller Remarks:
 VS4897 (11B07) - FOUND APPROX 5 GALS OF DIEL FLUID ON APPROX 200 GALS OF WATER
 Closed: Agency Approval Not Required

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 44  **MANHOLE 1499**
 WEST 5TH STREET+NEPTUNE
 BROOKLYN, NY

Spill Number: 9914841 **Close Date: 03/27/2002**
 TT-Id: 520A-0043-247

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1729 feet to the WNW

ADDRESS CHANGE INFORMATION
 Revised street: WEST 5TH STREET / NEPTUNE AVE
 Revised zip code: 11224

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: SAME	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) 580-6763

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
03/31/2000		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
OTHER	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL
The following material was dropped or revised by the NYS DEC. Call Toxics Targeting for more information						
OTHER PETROLEUM	UNKNOWN	1.00	GALLONS	0.00	GALLONS	

Caller Remarks:

THEY HAVE A SPILL IN THIER MANHOLE 1/2 GALLON SITTING ON TOP OF 20 GALLONS OF WATER. TOOK SAMPLE AND WILL CLEAN UP AFTER RESULTS.

CON ED#130667

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 45 **MOTOR OIL SPILL**
 BRIGHTON 6TH ST/BOARDWALK

BROOKLYN, NY

Spill Number: 0806653

Close Date: 02/05/2009
 TT-Id: 520A-0222-493

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1736 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: BRIGHTON 6TH ST / BOARDWALK
 Revised zip code: 11235

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: jbvought Contact for more spill info: FIRE FIGHTER MORRIN 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
09/12/2008		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
MOTOR OIL	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Caller had no remarks or information. Dispatch contacted R2 Spills; R2 ADVISED

DEC Investigator Remarks:

02/05/09-Vought-Routine spill portfolio review and closure. This spill closed due to minor spill amount of motor oil on concrete (spill amount less than five gallons reported by FDNY). Spill closed by Vought as no confirmation available as no specific address was left and as such no site contact exists for minor spill cleanup confirmation. FDNY utilizes absorbent material as part of routine response protocol.

Map Identification Number 46 **MANHOLE 37294** **Spill Number: 0002491** **Close Date: 09/24/2001**
 BRIGHTON 7TH ST/OCEAN VIW BROOKLYN, NY TT-Id: 520A-0049-941

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1749 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: BRIGHTON 7TH ST / OCEANVIEW AVE
 Revised zip code: 11235

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
 Notifier Type: Affected Persons Notifier Name: BILL MURPHY Notifier Phone: (212) 580-6763
 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
05/30/2000		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	SOIL

Caller Remarks:

2 GALLONS OF PETROLEUM PRODUCT ON 200 GALLONS OF WATER

CON ED #131621

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con Ed e2mis #131621:

5-30-00 2gal unknown oil on 200gal water in manhole. Lab results returned 34ppm PCB.

Cleanup completed as of 5/31/00 0205hrs. No sump. FOD on location to do work. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. Disposed of as hazardous for lead only. No leaking equipment.

Map Identification Number 47 **3300 CONEY ISLAND AVE**
 3300 CONEY ISLAND AVE

BROOKLYN, NY

Spill Number: 9605240

Close Date: 07/23/1996
 TT-Id: 520A-0041-860

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (3)
 Approximate distance from property: 1904 feet to the ESE

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Local Agency
 Caller Name: SAGAR CHATTERJE
 DEC Investigator: SMMARTIN

Spiller: UNKNOWN
 Notifier Name:
 Caller Agency: NYC DEP
 Contact for more spill info: SAGAR CHATTERJE

Spiller Phone:
 Notifier Phone:
 Caller Phone: (718) 595-4738
 Contact Person Phone: (718) 595-4738

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	
07/22/1996		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
WASTEWATER	OTHER	0	GALLONS	0	GALLONS	SURFACE WATER

Caller Remarks:

caller was notified that there is a pipe coming from site which empties into water - this is still on going

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
 REFER TO SPEDES

Map Identification Number 48 **MH 37296** **Spill Number: 0307798** **Close Date: 06/29/2005**
 BRIGHTON ST/OCEANVIEW AVE BROOKLYN, NY TT-Id: 520A-0049-942

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 1905 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: BRIGHTON 8TH ST / OCEANVIEW AVE
 Revised zip code: 11235

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: MS NEVILLE	Notifier Phone: (212) 580-6763
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	
10/23/2003		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:

sample shows 581 ppm pcb 150874

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
e2mis no. 150-874:

OCT 23, 2003 11:35 C. LUGO 03594 (ENV OPS) REPORTS, FOUND ONE PINT OF UNKNOWN OIL ON 50 GALLONS OF WATER. AT THIS TIME OIL APPEARS TO BE CONTAINED. CAN NOT VERIFY IF ANY SEWER CONNECTIONS OR SUMPS PRESENT BECAUSE OF THE AMOUNT OF WATER. ONE LIQUID SAMPLE TAKEN AND CLEANUP PENDING LAB SAMPLE.

Lab Sequence Number: 03-08705-001

TOTAL PCB 581 ppm

Update - 10/23/03 2055hrs
Removing from 24 hr program due to high pcb results.
Advised CIG @A. Morris @ 2057hrs

10/23/03=2200HRS EPA#NYP004-115-994
OVER 50 TANKER ORDERED FOR 0700HRS 10/24/03

10-24-03 15:20HRS V. DECANIO #9 REPORTS, THAT #9 (MADE ALL REPAIRS IN STRUCTURE) CLEANUP CAN CONTINUE AT THIS TIME

From: Fernandez, Celestino
Sent: Friday, October 24, 2003 5:37 PM
To: Neville, Christine
Subject: FW: INC # 150874

10/24/03 = 1700 HRS = ENV OPS SUPV C.FERNANDEZ REPORTS THAT AFTER # 9 CREW REPAIRED SECONDARY BURNOUT, ENV CREW REMOVED THREE DRUMS OF SOLID DEBRIS FROM STRUCTURE. STRUCTURE WAS DOUBLE WASHED USING BIOGEN 760 AND BIOGEN 715. ALL LIQUIDS (500 GALLONS) WERE REMOVED BY ASTORIA TANKER AND BARRELS WERE PICKED UP BY ASTORIA TRANSPORTATION. STRUCTURE STILL HAS TO BE SODA BLASTED SO ENV STOP TAG # 33738 REMAINS IN STRUCTURE. PARKING RESTRICTIONS ARE ACCESS ANY TIME.

Update - 2/16/04 0945hrs
New
EPA # issued NYP004118097

3/24/04 12:25 HRS. - ERT D. PONTECORVO ISSUED NEW EPA ID # NYP 004 118 949.

UPDATE 30-MAR-2004 13:45 HRS.

AN E-MAIL FROM ENVIR. OPER. SUPV. C.FERNANDEZ.

3/30/04 = 12:45 hrs = Env. Ops. Supv. C. Fernandez reports that structure was double washed with 15 gallons of BioGen 760 and then soda blasted. # 9 crew removed damaged oil reservoir tank and about 12 feet of asbestos arc proofing. Astoria tanker removed 900 gallons of liquid from structure. Astoria truck picked up 1 drum of PCB solid waste, 1 drum with oil reservoir tank and oil absorbent and 1 drum with PCB asbestos arc proofing. Astoria chemist took 9 wipes of structure. Old tag # 33738 was missing from structure so new tag # 08174 was placed in manhole. Tag remains in place until wipe sample results return.

WIPE RESULTS RECEIVED 3/31/04 - 1223. 04-02424. ALL 9 WIPES PASSED. STRUCTURE IS CLEAN. TAG TO BE REMOVED

Update - 4/1/04 0130hrs

Anthony Glodowski env. ops reports removed env. stop tag # 08174 which replaced # 33738. Clean up previously completed. Incident closed.

Map Identification Number 49



CONEY ISLAND WPCP

2727 OCEAN PKWY & C.I. WT

BROOKLYN, NY

Spill Number: 9503667

Close Date: 06/26/1995

TT-Id: 520A-0043-455

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)
Approximate distance from property: 1913 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: 2727 OCEAN PKWY
Revised zip code: 11235

Source of Spill: UNKNOWN
Notifier Type: Local Agency
Caller Name: TOMMY THOMAS
DEC Investigator: O'DOWD

Spiller: UNKNOWN
Notifier Name:
Caller Agency: NYCDEP
Contact for more spill info:

Spiller Phone:
Notifier Phone:
Caller Phone: (917) 797-2167
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
06/24/1995	06/26/1995	UNKNOWN	UNKNOWN	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	1000	GALLONS	0	GALLONS	SEWER

Caller Remarks:

OIL GOT INTO TREATMENT PLANT SINCE YESTERDAY. ICWS (NYCDEP) TRYING TO LOCATE SOURCE. NARROWED DOWN TO ONE BLOCK, OCEAN PARKWAY BETWEEN NEPTUNE AVE & SHORE PARKWAY - CHECKING APT BUILDINGS

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 50 **MANHOLE 35390 EMIS 218046** **Spill Number: 0905786** **Close Date: 09/24/2009**
 3168 CONEY ISLAND AVE BROOKLYN, NY TT-Id: 520A-0232-036

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)
 Approximate distance from property: 1927 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: CON ED Spiller Phone:
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: MXFEROZE Contact for more spill info: ERT 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	
08/18/2009		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN MATERIAL	OTHER	0	UNKNOWN	0	UNKNOWN	

Caller Remarks:

1 pint unk oil discovered in manhole earthen sump discovered. No to the 5 questions.

DEC Investigator Remarks:

09/24/09 - See eDocs for Con Ed report detailing cleanup and closure.

Map Identification Number 51 **BRIGHTON BEACH AV**
 **CONEY ISLAND AVE**

BROOKLYN, NY

Spill Number: 0105656

Close Date: 06/13/2003
 TT-Id: 520A-0037-753

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1966 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: BRIGHTON BEACH AV / CONEY ISLAND AV
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name: MR WAINWRIGHT	Notifier Phone: (212) 580-6763
Caller Name: PETE MAGUIRE	Caller Agency: CON ED	Caller Phone: (212) 580-6765
DEC Investigator: AERODRIG	Contact for more spill info: PETE MAGUIRE	Contact Person Phone: (212) 580-6765

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
08/24/2001		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 UNK OIL ON 200 GALS WATER - CLEAN UP IN PROGRESS - CON ED 139120 = NO SEWER OR WATERWAYS - NO SMOKE OR FIRE

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
 Con Ed e2mis Notes:

8/24/01 While doing pre-inspection, found 1 pint unknown substance on 200gal water. Liquid sample taken and returned 116ppm PCB.

8/25/01 Debris removed from structure. Found joint regulator and crimped tubing. Also found cut cable on floor, both ends open. Cable too long to barrel, need underground crew or #9 to cut it.

Flush dept. reports cleanup is completed. Double washed structure with bio-gen and bull dog. ALI liquids removed by over 50ppm tanker. They removed 2 drums solid waste. No sump.

DEC Inspector Notes:

10/16/01 Was permanent repair made?

Map Identification Number 52 **MANHOLE #58129** **Spill Number: 0411560** **Close Date: 06/22/2005**
 31-26 CONEY ISLAND AVE BROOKLYN, NY TT-Id: 520A-0043-339

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2022 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 3126 CONEY ISLAND AVE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Responsible Party	Notifier Name: CHRIS NEVILLE	Notifier Phone: (212) 580-6763
Caller Name: TOM MARCINEK	Caller Agency: CON ED	Caller Phone: (212) 580-6763
DEC Investigator: GDBREEN	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
01/27/2005		UNKNOWN	NO	NO

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Caller reports 2 pints unk oil spilled. No to the 5 questions. This is coming off the 24 hour clock. ConEd will be doing the cleanup. See 156980.

DEC Investigator Remarks:

e2MIS # 156980. 27-JAN-2005 10:40 HRS. UNDERGROUND DEPT. SPLICER M. SANTIAGO EMP# 13444 REPORTS: APPROX. 2QT'S OF UNKNOWN OIL ON APPROX. 200 GAL'S OF WATER. NO SEWERS OR WATERWAYS APPEAR TO BE AFFECTED. THE SPILL APPEARS TO BE CONTAINED. THERE IS NO FIRE INVOLVEMENT. NO SMOKE. NO INJURIES. THERE ARE NO INCLEMENT WEATHER CONDITIONS OR HAZARD THAT CONTRIBUTED TO THIS SPILL. NO PRIVATE PROPERTY AFFECTED. OWNER OF SUBSTANCES IS UNKNOWN. NO KNOWN SUBSTANTIAL CRACKS IN STRUCTURE. THERE IS A RESERVOIR TANK IN THIS STRUCTURE BUT NOT KNOWN TO BE LEAKING AT THIS TIME. ENVIR. TAG# 04975 WAS PLACED. 1 LIQ. SAMPLE TAKEN FROM SPILL & MARKED PRIORITY " E ". 24 HR DEMINIMIS CHAIN OF CUSTODY# DD-10287. SAMPLE TO BE TAKEN TO ASTORIA CHEM. LAB. N/P BUS STOP. C.HOGAN 07511

Lab Sequence Number: 05-00722-001 Date Approved: 1/27/2005

Aroclor 1254 696.1 ppm EPA 608/8082

Update - 1/27/05 1905hrs Advised CIG T. Marcinek @1901hrs removing from 24 hr program due to high pcb results.
2 quarts unknown oil, 696 ppm PCB.

Update 20:00hrs 1/28/05 O.S. B. Bamonte reports on location with Rosado, Glodowski, and Trinidad. Structure was double washed with 5 gallons of bio-gen 760 and 5 gallons of safety clean detergent. All solids were put into drums. One drum was generated consisting of PCB solids, PPE, zone material and lead. Drum was picked up by Astoria transportation. An >500 tanker removed 200 gallons of wash liquids out of structure. Sump was found cemented. U.G. crews was on location to inspect structure. After their inspection, a D' fault was found. D'fault tag 01991 was hung in structure. Env. stop tag remains in place at this time until D' fault is repaired and then Env. Ops. crews can soda blast structure so clean up can be completed.

Update - 1/31/05 1520hrs. EPA# issued for this job on 1/27/05 was NYP004128575.
Also entered into PCB Calc and determined that liquids did not need to be manifested.
cn#19661

UPDATE - 1500HRS - 5/7/05. A. WALKER REPORTS ENV. OPS CREW MET UG ON LOCATION WITH >500 TANKER AND REMOVED 75 GALLONS LIQUID FROM STRUCTURE. FOUND SUMP CEMENTED. GENERATED 1 DRUM LEAD PCB SLUDGE AND 1 DRUM OIL SOAKED ASBESTOS ARCPROOFING WHICH WAS PICKED UP BY ASTORIA. UG REPAIRED DFAULT ON FDR 11B01. DFAULT ON 11B03 REMAINS. TAG REMAINS IN PLACE PENDING REPAIR TO DFAULT ON 11B03 AND SODA BLASTING OF STRUCTURE. CN#19661

Update 0:15 Hrs. 5/11/05 O/S ENV. OPS. A. Walker reports correction to be made for update on 5/7/05 @ 15:00 Hrs. At location B/L 3126 Coney Island Ave Inc# 156980 M.H. 58129 there were two drums picked up by Astoria. One drum was oil soaked Asbestos Arc proofing. The second drum was P.C.B solid waste, P.P.E., Zone material, Diapers NO LEAD. When I A. Walker called in the up date on 5/7/05 @ 15:00 Hrs I made the mistake of calling the 1 drum Lead P.C.B. Sludge

Update - 5/11/05 1820 hrs. B. Bamonte reports upon arrival found dfault to 11b03 completed on 5/9 and dfault tag was removed. Env. tag not in structure is hanging new tag pending soda blast and completion of job. Env. stop tag # 44168 placed. Remarks on tag - original tag lost and hung new tag 5/11/05. cn#19661

UPDATE: 18-MAY-2005 1300 HRS. UPDATE FROM C FERNANDEZ EMAIL. 5/18/05 = 09:00 Hrs = Env Ops Supv C. Fernandez reports that after double washing the structure (5 Gal - BioGen 760 & 5 - gal Safety Wash) the Env crew (A.Glodowski, P.Rosado & J.Iocco) soda blasted it and removed one drum of debris which was picked up by an Astoria Transportation vehicle. An Astoria tanker removed a total of 210 gallons from the structure and an Astoria Chem Lab tech took 9 wipes of the manhole. Tag remains in place pending wipe samples.

UPDATE 21-MAY-2005 16:23 HRS.
LSN-05-04638-001 MATRIX : WIPE GRAB
TEST POINT No. 1 < 1. UG/100cm² Also test points 2 through 9. C.HOGAN 07511
**

Update - 5/22/05 0105hrs
J. Middleton env. ops mech reports removed env. stop tag # 44168. Incident closed. cn#19661

Closed. 6-22-05. George Breen.

Map Identification Number 53 **WATERS RESIDENCE** **Spill Number: 0613808** **Close Date: 03/26/2007**
 2853 BRIGHTON 6TH STREET BROOKLYN, NY TT-Id: 520A-0038-339

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2034 feet to the NNE

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER Spiller: ESTHER WATERS Spiller Phone: (646) 220-0106
 Notifier Type: Local Agency Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: smsanges Contact for more spill info: ESTHER WATERS Contact Person Phone: (646) 220-0106

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	
03/26/2007		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN HAZARDOUS MATERIAL	HAZARDOUS MATERIAL	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CASno:
 CALLER SAYS THAT A CHEMICAL IS ERODING THE FOUNDATION OF THE ABOVE ADDRESS..

DEC Investigator Remarks:

Sangesland spoke to Ms Waters. She says some type of chemical is dissolving her cement foundation. Sangesland suggested that Ms Waters hire a Professional Engineer to inspect her foundation and determine what has happened to it and what needs to be done to protect the structural integrity of her home.
 Ryan Piper inspected this house last week and did NOT see any sign of chemical or petroleum contamination. Problem MAY be related to construction on the adjacent property.

Map Identification Number 54 **MANHOLE 35394** **Spill Number: 9914358** **Close Date: 03/27/2002**
 NW CORNER CONEY ISLAND AV BROOKLYN, NY TT-Id: 520A-0049-944

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 2045 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: CONEY ISLAND AVE / BRIGHTWATER AVE
 Revised zip code: 11235

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: UNKNOWN Spiller Phone:
 Notifier Type: Responsible Party Notifier Name: MR HERBST Notifier Phone: (718) 246-6610
 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	
03/21/2000		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	1.00	GALLONS	SOIL

Caller Remarks:

SPILL IS 2 QUARTS ON TOP OF 50 GALLONS OF WATER SPILL IS NEAR BRIGHTWATER CT CLEAN UP PENDING RESULTS CON ED REF # 130476

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 55 **MH 35034** **Spill Number: 0004852** **Close Date: 10/22/2001**
 BRIDGEWATER CT BROOKLYN, NY TT-Id: 520A-0037-717
 CONEY ISLAND AVE

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2045 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: BRIGHTWATER CT / CONEY ISLAND AVE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: CHRIS NEDILLE	Notifier Phone:
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	
07/24/2000		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:

132513

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con Ed e2mis Notes:

7/24/00 1qt unknown oil on 50gal water in manhole. Sample returned <1ppm PCB. Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment.

Map Identification Number 56 **VAULT 4886**
 BRIGHTON 7TH ST/NEPTUNE

BROOKLYN, NY

Spill Number: 0301291

Close Date: 06/17/2003
 TT-Id: 520A-0037-785

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2047 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: BRIGHTON 7TH ST / NEPTUNE AV
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name: DONATONE	Notifier Phone: (212) 580-6763
Caller Name: PAUL DIDONATO	Caller Agency: CON ED	Caller Phone: (212) 580-6763
DEC Investigator: AERODRIG	Contact for more spill info: PAUL DIDONATO	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 - 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	
05/05/2003		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	5.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CON EDISON 148228. SPILL ON 75 GALS OF WATER. CLEAN UP WILL START AFTER VEHICLE REMOVED FROM OVER MANHOLE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
 E2MIS 148228

5-5-03 1105 HRS A. BOVE # 14120 SPLICER NETWORK REPORTS WHILE MAKING ROUTINE INSPECTION (FOR FLUSH DEPT) IN

VS4886 (FDR.7B41) E/S NEPTUNE AVE 40' N/O BRI. 7 ST HE FOUND APPROX 5 GALLONS UNKNOWN OIL ON 75 GALLONS WATER. HE INSPECTED TRANSF OIL LEVEL , IT IS GOOD AND HE PRESSURE TESTED UNIT AND IT HELD PRESSURE. HISTORICAL RECORD OF TRANSF IS 9 PPM AND WAS LAST TESTED 5-24-90 . LIQUID SEEEMS CONTAINED. HE TOOK A LIQUID SAMPLE FROM STRUCTURE AND REQUESTED EMERG PRIORITY FOR PCB SAMPLE RESULTS. CLEANUP PENDING SAMPLE RESULTS. CHAIN OF CUSTODY # CC16026. HE PLACED E.S.TAG # 36404

5/5/03=1800hrs

Oil Identification Analysis by NYSDOH 310-13 (Hydrocarbon Scan)

Insufficient amount of sample extracted to perform oil identification.

Monday, May 05, 2003 8:14 PM

Lab Sequence Number: 03-03663-001

PCBs <1ppm

Flash Point, PMCC > 140 deg F D93-00/EPA 1010

UPDATE - 06-MAY-2003 12:28 HRS.

ENVIR. FLUSH DEPT. MECH-A REPORTS: STRUCTURE DBL. WASHED WITH BIO-GEN 760, ENVIR. TAG# 36404 REMOVED. SUMP FOUND SEALED IN STRUCTURE. CLEANUP COMPLETE. 100%

Map Identification Number 57 **EMPTY LOT** **Spill Number: 9805792** **Close Date: 08/18/1998**
 231 NEPTUNE AVE BROOKLYN, NY TT-Id: 520A-0042-183

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2051 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name: SAM SHEPFOGEL	Notifier Phone:
Caller Name: JOAN OPPEDISANO	Caller Agency: COUNCILMAN WEINER'S OFFC	Caller Phone: (718) 332-9001
DEC Investigator: MMMULQUE	Contact for more spill info:	Contact Person Phone:

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: Any Type of RP, Including No RP - DEC Field Response - Corrective Action Not Required or Not Possible

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards	Penalty Recommended
08/10/1998		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIESEL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

GAS STATION WAS KNOCKED DOWN AND LAUNDRYMAT IS GOING TO BE BUILT ON THE SITE - COUNCILMAN'S CONSTITUENTS WORRIED THE SITE WAS NOT CLEANED PROPERTY AND GAS WAS NOT REMOVED TOTALLY - PLEASE INVESTIGATE.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN" FALSE REPORT. FORMER GAS STATION, TANKS REMOVED UNDER DEC SUPERVISION. 87-10929 SPILL CLOSED. PORTION OF BLDG BEING DEVELOPED, BUT NO EXCAVATION ON PREMISES.

Map Identification Number 58 **WATERS HOME** **Spill Number: 0613305** **Close Date: 03/12/2007**
 2849 BRIGHTON 6TH STREET BROOKLYN, NY TT-Id: 520A-0038-327

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2056 feet to the NNE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: ESTHER WATERS - WATERS HOME Spiller Phone: (646) 220-0106
 Notifier Type: Local Agency Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: rmpiper Contact for more spill info: ESTHER WATERS Contact Person Phone: (646) 220-0106

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	
03/12/2007		OTHER	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN HAZARDOUS MATERIAL	HAZARDOUS MATERIAL	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

CASno:
 CALLER STATES THAT A CHEMICAL IS EATING AWAY AT THE FOUNDATION OF ABOVE ADDRESS

DEC Investigator Remarks:

Piper visited the site. No contamination was found. Property on both sides of this house are under construction and foundation problems may be due to this work or just natural settling of the building.

Map Identification Number 59 **MANHOLE 32826**
 10-11 BRIGHTON BEACH AVE

BROOKLYN, NY

Spill Number: 0003367

Close Date: 09/26/2001
 TT-Id: 520A-0043-266

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)
 Approximate distance from property: 2119 feet to the ENE

ADDRESS CHANGE INFORMATION

Revised street: 1011 BRIGHTON BEACH AVE
 Revised zip code: 11235

Source of Spill: UNKNOWN
 Notifier Type: Affected Persons
 Caller Name: MIKE CESARE
 DEC Investigator: JHOCONNE

Spiller: unknown - Unknown
 Notifier Name: MR PACE
 Caller Agency: CON EDISON
 Contact for more spill info: CALLER

Spiller Phone:
 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	
06/19/2000		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	SOIL

Caller Remarks:

caller reporting 2 qts of oil on 55 gal of water samples taken clean up pending lab results. coned#131907 no callback necessary

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con Ed e2mis Notes:

6/19/00 2qts unknown oil on 55gal water. Liquid sample result <1ppm PCB.

7/21/00 Cleanup incomplete until #9 caps exposed secondary cable.

7/23/00 Cleanup completed by double washing with slix. Liquids removed by tanker. Solids removed by vactor. No leaking equipment. No sump. Tidal hole is making water.

Map Identification Number 60 **2701 W. SIXTH ST**
 2701 W. SIXTH ST

BROOKLYN, NY

Spill Number: 9405725 **Close Date: 11/04/2003**
 TT-Id: 520A-0043-966

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING - LARGE SITE
 Approximate distance from property: 2329 feet to the NW

ADDRESS CHANGE INFORMATION
 Revised street: 2701 W 6TH ST
 Revised zip code: 11224

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: YORK RESEARCH	Spiller Phone: (718) 372-1640
Notifier Type: Responsible Party	Notifier Name:	Notifier Phone:
Caller Name: MURRAY SKOPINSKY	Caller Agency: YORK RESEACH	Caller Phone: (718) 372-1640
DEC Investigator: CESAWYER	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
07/27/1994		OTHER	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
NON PCB OIL	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

TRANSFORMER IN STORAGE STRUCK IT W/ BACK HOSE & BROKE A BUSHING. WILL CLEAN WITH ABSORP. MATERIAL- ITS ON A PAVED AREA.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"
 10/10/95: This Is Additional Information About Material Spilled From The Translation Of The Old Spill File: Comb Liquid Min.
 Oil.2-10-03: Closed Due To The Nature / Extent Of The Spill Report.10/27/03 1010 Hrs - Sawyer - Re-Opened Because Of Request For No Further Action Letter.11/4/03 1600 Hrs - Sawyer - The Full File Including Nfa Letter Was Sent Over By Andrew Desiderio, Who Received The Information From The Jasper Energy Company, The Successor To York Research Group. Closed.

Map Identification Number 61 **MANHOLE #68188**
 608 SHEEPSHEAD BAY RD

BROOKLYN, NY

Spill Number: 0314117

Close Date: 06/23/2004
 TT-Id: 520A-0040-492

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2340 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: ERT DESK - MANHOLE #68188	Spiller Phone: (212) 580-8383
Notifier Type: Other	Notifier Name: KEVIN MCRADLE	Notifier Phone: (212) 580-6763
Caller Name: KEVIN MCRADLE	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 - 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	
03/25/2004		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
UNKNOWN PETROLEUM	PETROLEUM	0	POUNDS	0	POUNDS	SOIL

Caller Remarks:

about 1 pint of an unknown oil was spilled into about 500 gallons of water.no smoke,fire,sewers,orwaterways affected

DEC Investigator Remarks:

e2mis 152654

3/25/04 - 1818hrs - John Lipori # 11179, Mech A, Env. Ops reports found 1 pt unknown oil on 500 gallons water in MH68188. No sewers or waterways appear to be affected. Structure seems to be making water. Sample taken. Clean up pending test results.

Lab Sequence Number: 04-02314-001

Aroclor 1260 < 1.0 ppm

ROSENKING REPORTS DOUBLE WASHED STRUCTURE WITH BIO GEN 760. REMOVED ALL LIQUIDS FROM STRUCTURE. NO SUMP IN STRUCTURE. REMOVED TAG # 364. JOB COMP 100%.

Map Identification Number 62 **MAN HOLE # 59865**
 BANNER AVE/6TH ST

BROOKLYN, NY

Spill Number: 0100092

Close Date: 08/22/2001
 TT-Id: 520A-0037-743

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2346 feet to the NNE

ADDRESS CHANGE INFORMATION
 Revised street: BANNER AV / BRIGHTON 6TH ST
 Revised zip code: 11235

Source of Spill: UNKNOWN
 Notifier Type: Affected Persons
 Caller Name: SEAN MCKEEVER
 DEC Investigator: JHOCONNE

Spiller: UNK
 Notifier Name: SEAN MCKEEVER
 Caller Agency: CON EDISON
 Contact for more spill info:

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	
04/03/2001		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:

con ed # 136232 unk oil lab results show 170 ppm pcb clean up will start tomorrow am spill on 200 gallons of water confined in manhole no to all 5 questions

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 63 **SERVICE BOX 35382**
 3068 CONEY ISLAND AVE

BROOKLYN, NY

Spill Number: 0208101

Close Date: 02/20/2003
 TT-Id: 520A-0040-257

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2351 feet to the NE

ADDRESS CHANGE INFORMATION
 Revised street: 3068 CONEY ISLAND AV
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: LOU ZAMBRI	Notifier Phone: (212) 580-6763
Caller Name: SEAN MCGEEVER	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: KMFOLEY	Contact for more spill info: SEAN MCGEEVER	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	
11/04/2002		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

1 PINT OF UNKNOWN OIL ON 5 GALLONS OF WATER IN SERVICE BOX. CAR WAS PARKED ON SERVICE BOX AND CON-ED UNABLE TO DO CLEAN UP WITHIN 24 HOUR PERIOD. CON ED SPILL NUMBER 145885.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
 Con Ed e2mis #145885:

11/04/02=0830HRS GADSDEN #46009 I&A SERV. REPORTS WHILE DOING INSPECTION IN SB-35382 FOUND APPROX 1-PINT UNKNOWN OIL ON 5 GALLONS OF WATER. IT APPEARS TO BE CONTAINED AT THIS TIME NO SEWERS OR WATERWAYS AFFECTED. NO FIRE OR SMOKE OR PRIVATE PROPERTY INVOLVED. 1-SAMPLE TAKEN ENVIR TAG#35809. CLEANUP PENDING TEST RESULT.

11-04-02 LAB SEQ# 02-10352-001 <1.0 PPM.

Update - 11/6/02 1210hrs C. Lugo reports double washed structure with 760 biogen. Removed env. stop tag # 35809. No leaking co. equipment found. Clean up completed.

Update - 11/6/02 - 1530 hrs E.O. employee Cuadrado reports sealing a drain in structure with cement.

Map Identification Number 64 **MANHOLE 2852**
 2762 BRIGHTON 6TH ST

BROOKLYN, NY

Spill Number: 0000859

Close Date: 12/31/2001
 TT-Id: 520A-0039-813

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (3)
 Approximate distance from property: 2371 feet to the NNE

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN
 Notifier Type: Affected Persons
 Caller Name: BRIAN JOYCE
 DEC Investigator: JHOCONNE

Spiller:
 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	
04/20/2000		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:

ON 80 GALS WATER IN MANHOLE
 CLEANUP PENDING LAB RESULTS
 CON ED # 130980

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con Ed e2mis #130980 Notes:

4-20-00 Undiaperable sheen of unknown oil on 80gal water in manhole 2852. No other oil filled equipment in hole besides transformer was pressure tested and held. Does not show below minimum. Oil not coming from transformer. There is a sump. No sewer connections. No sewers or waterways. Took liquid sample.

4-20-00 2355hrs

LSN 00-03897 <1ppm PCB

4-21-00 1245hrs

Cleanup completed by double washing with slix. Liquids removed by tanker, solids by vactor. No leaking equipment. Unable to cement sump due to water coming in through it.

Map Identification Number 65 **2875 WEST 8TH STREET -MTBE** **Spill Number: 9005722** **Close Date: 07/20/2009**
 2875 W. 8TH ST BROOKLYN, NY TT-Id: 520A-0041-005

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 2470 feet to the W

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: Spiller Phone: (718) 388-7700
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: RICK RACCHIA Caller Agency: ENERGY ENVIRON ANALYSTS Caller Phone: (516) 746-4400
 DEC Investigator: JAKOLLEE 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	
08/10/1990		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	-1.00	POUNDS	0.00	POUNDS	SOIL

Caller Remarks:

CONDUCTING ENVIRONMENTAL AUDIT FOUND CONTAMINATED SOIL, TANK REMOVED 1/13/88, NOT KNOWN WHETHER TANK REMOVAL IS RELATED, ENERGY ENVIRON WILL CONDUCT ANALYSIS TO DETERMINE CONTENT.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"
 08/23/90: TANK REMOVED ABOUT 2 YRS AGO, WILL USE BACK HOE TO REMOVE SOIL, UNDETERMINED WHETHER PRODUCT WAS GASOLINE, DEC INVESTIGATING.

No PBS

Transferred from James to Rommel 03/29/04

3/17/06 Need to contact owner: 2875 West Eighth Street Associates (718) 265-1508.

11/02/06 Reassigned from Rommel to Sun.(MS)

12/18/07: No files found in DEC filing cabinets. Need to research current RP contact information. (JS/MS)

2/13/07: Number obtained for 2875 West Eighth Street Associates is "temporarily out out service". (JS/MS)

8/6/07: Obtained some public records on ACRIS and currently reviewing. Need to obtain accurate contact info before sending letter. (JS/MS)

9/12/07: Found presidents name of West 8th Street Associates on ACRIS. Confirmed on recently updated PropShark. Sent letter to Matthew Lonuzzi at 69 Warren Street in Brooklyn, on 9/11/07, requiring that the following be submitted to the NYSDEC by 10/29/07:

"To rectify this problem, a letter report asserting a cause of the release and summarizing the cleanup activities, observations, post-excavation sampling results (if necessary), and also including contaminated material disposal manifests or any other documentation (i.e. invoices, bills, etc.) of cleanup activities must be submitted to this office..." (JS/MS)

11/15/07: Letter was returned as unclaimed. Will need site visit to establish status and obtain RP info. (JS/MS)

6/10/08: Sent letter to Lonuzzi @ 267 Van Brunt Street 4/10, returned 5/6. 267 Van Brunt has alias address - 106 Visitation Place. Identified Anna Bonomo via property shark. 60 Sackett Street is home address from Lonuzzi. (JS/MM)

08/05/08: Transferred to Kolleeny/Mandac. - JK

8/28/08: No report received. 2nd letter necessary, or refer to legal (JK/MM)

10/16/08: 3rd letter sent, return receipt received, but no response or contact from RP. Refer to OGC (JK/MM)

01/05/09: Tried to contact M. Lonuzzi by phone before sending failure to comply/final notice letter. Called 718-834-0770, M. Lonuzzi was on the phone, left message with receptionist. (JK/KG)

01/15/09: Left message with receptionist for M. Lonuzzi. He will be in the office in the afternoon. (JK/KG)

01/20/09: M. Lonuzzi has not returned phone calls. Final letter requesting summary report of cleanup activities sent via certified/return receipt mail. Report due 02/13/09. (JK/KG)

02/03/09: Rec'd letter dated 1/30/09 from Lonuzzi stating that owner of property is:
Tirob Real Estate Partners

c/o Mark S. Rothman, Esquire
4800 Hampden Lane
7th Floor
Bethesda, MD 20814

Need to send letter to Tirob. Based on Property Shark search of owner, Tirob was the owner at the time the spill was reported. (JK/KG)

02/04/09: Letter sent to Tirob requesting summary report of cleanup activities be submitted by 03/06/2009. (JK/KG)

03/12/09: Rec'd letter from Hillmann Environmental Group on behalf of Citigroup Trust. Hillmann requested a 60 day extension to investigate the spill case. A letter was sent to Henry Cortes of Citigroup approving extension. New deadline to submit summary report is 5/5/09.

Henry Cortes
Citigroup Trust
485 Lexington Ave., 10th Floor
NY, NY 10017
212-559-3838
henry.cortes@citi.com

Hillmann Environmental Group, LLC
Chris Hirschmann
908-688-7800
chirschmann@hillmanngroup.com (JK/KG)

04/09/09: Rec'd call from Chris Hirschmann stating that he was unable to find any reports or pertinent information pertaining to this spill. I told him that the next step would be to submit a work plan for a subsurface investigation that included collection of soil and groundwater samples. (JK/KG)

04/21/09: Rec'd call from Chris Hirschmann stating that even with Sanborn maps he is unable to determine the location of the former UST. In the work plan he intends to propose 5 locations to collect soil and groundwater samples. (JK/KG)

05/04/09: Rec'd call and email from Hirschmann; he will submit the work plan by the end of the week 5/8/09. (JK/KG)

05/11/09: On 5/8/09 received pdf of Remedial Investigation Work Plan dated May 2009 from Hillmann Group. Proposed work includes installation of 5 temporary monitoring wells, collection of soil and groundwater samples, and submission of an investigation summary report. Work plan was approved with some modifications. The deepest dry soil sample and the sample with the highest PID reading, if one is detected, should be analyzed for VOCs plus MTBE and SVOCs. The deadline for the investigation summary report is 7/10/09.

Rec'd hard copy of Remedial Investigation Work Plan on 5/18/09. (JK/KG)

5/20/09: Rec'd call from Chris Hirschmann; site work will be performed tomorrow. (JK/KG)

07/13/09: Rec'd pdf and hardcopy of Remedial Investigation Report dated 7/13/09 submitted by Hillmann Group. (JK/KG)

07/15/09: On 5/21/09 5 soil borings were advanced (SB1/TWP-1 to SB5/TWP-5) to 10' bgs. Groundwater was encountered around 6' bgs. Soil and groundwater samples were collected from each boring (S1 to S5) and analyzed for VOCs plus MTBE and SVOCs. Soil samples were collected at 5.5'-6' bgs in each boring except S3, which was collected at 4.5'-5' bgs. No detected PID readings were observed. Groundwater was collected at 10' bgs.

No VOCs or SVOCs were detected in any soil samples except sample S5 (fluoranthene - 0.047J mg/kg and pyrene - 0.048J mg/kg). No VOCs or SVOCs were detected in groundwater samples except sample S3 (MTBE - 3.96 ug/l, naphthalene - 1.40 ug/L, and acenaphthene - 0.257 ug/L). (JK/KG)

07/20/09: This spill case was closed on 7/20/09 and a No Further Action letter was sent to Henry Cortes. The Remedial Investigation report does not indicate the presence of petroleum-related contamination in soil or groundwater at the site. There were no detected PID readings from any of the soil samples screened or collected. (JK/KG)

Map Identification Number 66	OCEAN PKWY & SHORE PKWY	BROOKLYN, NY	Spill Number: 9502501	Close Date: 06/01/1995
	OCEAN PKWY & SHORE PKWY			TT-Id: 520A-0050-508
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION		
Site location mapped by: MANUAL MAPPING (4)		Revised street: OCEAN PKWY / SHORE PKWY		
Approximate distance from property: 2470 feet to the N		Revised zip code: UNKNOWN		
Source of Spill: UNKNOWN		Spiller: UNKNOWN		Spiller Phone:
Notifier Type: Federal Government		Notifier Name:		Notifier Phone:
Caller Name: SHERYL WILLIAMS		Caller Agency: NYC DEP		Caller Phone: (718) 595-6777
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	
05/30/1995	06/01/1995	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	SOIL

Caller Remarks:

55 GALLONS DRUM DUMPED UNDER THE BELT PARKWAY. 06/01/95 CALLED HAZMAT: DRUMS BELONG TO DOT

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"

Map Identification Number 67 **MAN HOLE 1509** **Spill Number: 0409477** **Close Date: 01/07/2005**
 OCEAN PKWY & SHORE PKWY BROOKLYN, NY TT-Id: 520A-0050-509

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
 Approximate distance from property: 2470 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: OCEAN PKWY / SHORE PKWY
 Revised zip code: UNKNOWN

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Local Agency	Notifier Name: MR PACE	Notifier Phone: (212) 580-6764
Caller Name: RON ELLIOTT	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 Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/22/2004		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:

no to 5 questions. clean-up pending sample results. con ed ref 156335. i pint of unkn oil in manhole.

DEC Investigator Remarks:

156335

22-NOV-2004 1000HRS MCARTHUR # 87718 REPORTS FOUND 1 PINT UNKNOWN OIL ON 100 GALLONS WATER IN M-1509. NO SEWERS OR WATERWAYS APPEAR TO BE AFFECTED. IT APPEARS TO BE CONTAINED TO STRUCTURE. TOOK SAMPLE. CLEANUP PENDING RESULTS. PLACED ENVIROMENTAL STOP

TAG # 44813. NO CRACKS IN THE STRUCTURE WALLS. WATER IS STANDING STILL. NO VISUAL WATER MOVEMENT.

UPDATE 11-22-04 21:15HRS
LAB SEQ# 04-09694-001 < 1.0 ppm.

11-23-04 04:35HRS E, WILLIAMS (ENV OPS) REPORTS, UNABLE TO COMPLETE JOB DUE TO HOLE MAKING WATER.

UPDATE: 23-NOV-2004 1323HRS HOWE REPORTS DOUBLE WASHED STRUCTURE WITH BIO GEN 760. REMOVED ALL LIQUIDS . TANKER REMOVED 2300 GALLONS WATER. NO SUMP IN STRUCTURE. NO LEAKING COMPANY EQUIPTMENT. REMOVE TAG # 44813 AS PER B BROWN. O/S ENVIROMENTAL OPS. JOB COMPLETE 100%

Map Identification Number 68 **MANHOLE 1509** **Spill Number: 0011569** **Close Date: 06/05/2001**
 OCEAN PKY & SHORE PKY BROOKLYN, NY TT-Id: 520A-0050-510

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (4)
 Approximate distance from property: 2470 feet to the N

ADDRESS CHANGE INFORMATION
 Revised street: OCEAN PKY / SHORE PKY
 Revised zip code: UNKNOWN

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
 Notifier Type: Affected Persons Notifier Name: Notifier Phone:
 Caller Name: RICHARD ROACH Caller Agency: CONED Caller Phone: (212) 580-6766
 DEC Investigator: OKWUOHA 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	
01/26/2001		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:

1qt oil on 300 gallons water. con ed #135235.

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 REPORT 1-26-01

1 QT of oil unknown oil on 300 gallons of water. No sewers, water ways or private property affected. No fire or smoke. Liquid sample taken and tag placed. Cleanup pending test result.

1-27-01 0400
 Env. Ops reports cleanup complete. Tag removed.

Cleanup completed by double washing structure with slix. Liquids were removed by tanker and solids by vactor. There is no sump in structure. No leaking company equipment , incident closed.

1245hrs.
 Structure is making water along with water an undiaperable sheen of oil has reappeared.

1-29-01 0535hrs.
 Cleanup complete, incident closed.

Map Identification Number 69 **MANHOLE 62992** **Spill Number: 0010032** **Close Date: 01/18/2001**
 OCEAN PARKWAY AT SHORE PK BROOKLYN, NY TT-Id: 520A-0050-515

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (4)
 Approximate distance from property: 2470 feet to the N

ADDRESS CHANGE INFORMATION
 Revised street: OCEAN PARKWAY / SHORE PK
 Revised zip code: UNKNOWN

Source of Spill: UNKNOWN Spiller: UNKNOWN Spiller Phone:
 Notifier Type: Local Agency Notifier Name: MR POVERELLI Notifier Phone: (212) 580-6763
 Caller Name: JIMMY FOX Caller Agency: CON EDISON Caller Phone: (212) 580-6763
 DEC Investigator: KMFOLEY 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
12/06/2000		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:

SCHEEN ON WATER IN MANHOLE CON ED NUMBER 134629

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "FOLEY"
e2mis Notes:

Found an undiaperable sheen of unknown oil on approx 300gal water in MH-62992. Took a liquid sample which returned as <1ppm. Cleanup completed by double washing structure with slix. Liquids removed by tanker and solids by vactor. No leaking equipment.

KMF 4/11/01

Map Identification Number 70 	FOUND STAINED SOIL WHILE DRILLING NEPTUNE & CONEY ISLAND AVENUES	BROOKLYN, NY	Spill Number: 0613972	Close Date: 07/29/2008 TT-Id: 520A-0038-358
MAP LOCATION INFORMATION		ADDRESS CHANGE INFORMATION		
Site location mapped by: ADDRESS MATCHING		Revised street: NEPTUNE AVE / CONEY ISLAND AVE		
Approximate distance from property: 2542 feet to the NE		Revised zip code: NO CHANGE		
Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER	Spiller: ERTSDESK - CON EDISON	Spiller Phone: (212) 580-8383		
Notifier Type: Responsible Party	Notifier Name:	Notifier Phone:		
Caller Name:	Caller Agency:	Caller Phone:		
DEC Investigator: RWAUSTIN	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	
03/29/2007		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:

DRILLING FOR A NEW MANHOLE AND FOUND OIL; 205141

DEC Investigator Remarks:

205141. see eDocs

5/15/07: spill submitted for closure by Con Edison. Sent back requesting information: "Who conducted drilling? What is address of location where core samples were taken? This information is needed for NYSDEC to follow up with possible responsible party." (JHO)

6/15/07: According to Con ed (Lou Clark) location was 75 feet west of Coney Island Ave curblin, on Neptune Ave. and 5 feet south of curb on sidewalk on Neptune Ave. (JHO)

10/11/07: e-mail from Lou Clark: "As per your request regarding EMIS 205141, attached is the subsurface report for borings Pro Solutions did for us at Coney Island Ave and Neptune Ave in Brooklyn." See eDocs for boring report. Spill referred to Spills program (R. Austin) for follow-up. (JHO)

7/29/08 - Austin - Analyticals not conclusive that a sig. petroleum problem exists - closed - end

Map Identification Number 71 **MANHOLE 36471** **Spill Number: 0107368** **Close Date: 09/10/2004**
 NEPTUNE AV / CONEY ISLAND BROOKLYN, NY TT-Id: 520A-0042-625

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 2542 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NEPTUNE AV / CONEY ISLAND AVE
 Revised zip code: 11235

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Affected Persons	Notifier Name: MR TOJERIA	Notifier Phone: (212) 580-6763
Caller Name: JIMMY FOX	Caller Agency: CON EDISON	Caller Phone: (212) 580-6763
DEC Investigator: AERODRIG	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
10/17/2001		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 OZ UNK OIL ON 1500 GALLONS OF WATER - CLEAN UP PENDING LAB RESULTS - REF #139818

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "RODRIGUEZ"
E2MIS notes:

While getting ready to work on sch fdr 7b54 in MH36471 he found approximately 1 oz of unknown oil on 1500 gallons of water. He does not see a sump or sewer connection at this time. Took a liquid sample for PCB.

10/17/2001: Sample results came as 736 ppm. Tanker ordered. Crew assembled to do cleanup.

UPDATE OCT 17 2001 2220HRS . J DEKANCHUK ENVIROMENTAL O/S REPORTS WATER FROM MH IS PUMPED INTO TANKER. MANHOLE IS DOUBLE WASHED FROM TOP. MH MAKES WATER. CLEANUP AND MEET WITH FOD TO RESUME AT 10/18/01 IN THE AM.

UPDATE @1950HRS 11/08 J.DEKANCHUK REPORTS OIL & WATER REMOVED BY TANKER, 3 BARRELS OF HAZARDOUS SOLID WASTE REMOVED. DOUBLE WASHED AND SDDA BLASTED STRUCTURE, WASTE WATER REMOVED BY TANKER, 21 WIPE SAMPLES TAKEN BY CHEMIST. TAG REMAINS IN PLACE PENDING RESULTS.

11/12/01---O.S.DEKANCHUK REPORTS ALL WIPE SAMPLES RETURNED UNDER 10 UG/100CM2.

Map Identification Number 72 	MANHOLE 36471 NEPTUNE AVE & CONEY ISLD.	BROOKLYN, NY	Spill Number: 0012961	Close Date: 06/24/2003 TT-Id: 520A-0042-606
MAP LOCATION INFORMATION Site location mapped by: ADDRESS MATCHING Approximate distance from property: 2542 feet to the NE		ADDRESS CHANGE INFORMATION Revised street: NEPTUNE AVE / CONEY ISLAND AV Revised zip code: NO CHANGE		
Source of Spill: UNKNOWN	Spiller: unknown - Unknown	Spiller Phone:		
Notifier Type: Affected Persons	Notifier Name: MR WAINWRIGHT	Notifier Phone: (212) 580-6763		
Caller Name: PETE MCGUIRE	Caller Agency: CON ED	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	
03/09/2001		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 qu unk oil on 350 gal of water - samples taken and clean up pending results - con ed #135856

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 Con Ed e2mis #135856:

09-MAR-2001 1510HRS E. SOBOLEWSKI# 14370 ENGINEERING DEPT REPORTS FOUND 1 QT UNKNOWN OIL ON 350 GALLONS WATER IN MH36471. IT

APPEARS THAT NO SEWERS OR WATERWAYS ARE AFFECTED. NO VISUAL WATER MOVEMENT IN HOLE. THERE IS A JOINT REGULATOR IN THE HOLE. TOOK SAMPLE ON A 4 TO 6 HR TURNAROUND. CLEANUP PENDING RESULTS. ENVIROMENTAL STOP TAG # 11888 HUNG .CHAIN OF CUSTODY # IS AA08665. THIS IS UNDER THE 24 HOUR DIMINIMIS PROGRAM.

UPDATE :

09-MAR-2001 1650HRS SAMPLE WAS TURNED INTO CHEM LAB @ THIS TIME

3/9/01 22:25 HRS - PCB RESULTS: LAB SEQ # 01-02423, 622 PPM, AROCLOR 1254. INCIDENT NO LONGER MEETS DEC 24 HOUR UNDERGROUND DEMINIMIS REQUIREMENTS SINCE "OVER 500" CLEANUP CANNOT BE COMPLETED WITHIN 24 HRS.

EPA ID # NYP004076857. TANKER ORDERED FOR 8/10 ON 7AM SHIFT

3/10/01--2005HRS O.S J DEKANCHUCK REPORTS 4-BARRELLS OF WASTE REMOVED MH-36471 WAS WASHED 4-TIMES WITH BIO-GEN #715LIQUID

WAS PUMPED INTO TANKER MH MAKES WATER FROM LOWER DUCT EAST WALL.THERE IS NO SUMP.BARRELLS PICKED UP BY TRANSP.TAG

REMAINS IN PLACE PENDING WIPE SAMPLES

3-14-01 M. KNOX REPORTS, THAT AN OVER 50 TANKER PUMPED OUT 2400 GALLONS OF WATER & OIL MIX AND FOUND OILY CABLE & ARCPROOFING.

ALSO STRUCTURE WAS DOUBLED WASHED. NOTIFIED #9 TO LOCATION TO REMOVE ARCPROOFING BUT THEN CANCELED BECAUSE OF THE OTHER EMERGENCY. CLEANUP STILL PENDING UNTILL ARCPROOFING IS REMOVED. AT THAT TIME CLEANUP CAN BE COMPLETED.

3/20/01--1335HRS O.S. RASA REPORTS ALL OIL SOAKED ARCPROOFING REMOVED AT THIS TIME U/G IS COMPLETED. ENVIR CREW AND TANKER ON LOCATION TO COMPLETE CLEANUP

Update - 4/20/01 - 1345 hrs - Planner R Saladino reports while #9 was removing switches. 1 switch appeared to possibly be source of leak. All 3 switches in structure will be tested

19:45HRS CHEM LAB CALLED AND SAID THREE EMPTY BOTTLES WERE DELIVERED, CAN NOT USE FOR SAMPLES.

UPDATE: 20-APR-2001 2220HRS LIPORI FLUSH DEPT REPORTS #9 REMOVED 3 4KV A B C SWITCHES. FLUSH CLEANED AND DOUBLE WASHED WITH 760 BIO GEN, AND REGULAR SLICKS. LEFT TAG IN PLACE BECAUSE OF WIPE SAMPLES AND SAND BLASTING . 3 BARRELS WERE PICKED UP FROM LOCATION.

UPDATE: SAMPLE RETURNED LSN# 01-05108-002 GRAB SAMPLES FROM ELECT SWITCH 4KV "B" 59 PPM SECOND SAMPLE RETURNED WAS LSN # 01-05108-001 GRAB SAMPLE FROM ELECT SWITCH 4 KV "A" 62PPM

Update - 4/26/01 2245hrs

Supv. Robert J. Hutchinson reports that a corporate >50 tanker removed 2400 gallons of mixed oil & water from MH 36471. Underground was called to remove <25 linear feet of asbestos arc-proofing and approximately 50 feet of non asbestos oil soaked arc-proofing. Underground also removed and cut for disposal 2 barrels of oil soaked abandoned cable from hole. Qns. Env. Ops. personnel Knox & Vallone double washed structure with 20 gallons of Bio-Gen 760 & 10 gallons of Bio-Gen 715 sludge softener. Crew also did a total soda blasting of hole using 5 bags of soda blast media. All cleaning liquids were removed by corp. tanker. Chem. Lab was called and technician took 21 wipes in hole. 5 drums of solids including soda blast media, PPE & zone material were generated and removed by Corp. Transportation. Tag remains in place pending results from wipes. No sump in hole.

WIPE RESULTS RECEIVED 4/28/01 - 1732. 01-05232. ALL 21 WIPES PASSED (HIGHEST RESULT IS 8 ug/100cm²). STRUCTURE IS NOW CLEAN. TAG TO BE REMOVED.

SEE 4/20/2001 UPDATE ABOVE. # 9 REMOVED THE 3 - 4KVABC SWITCHES.

Map Identification Number 73 **CONEY ISLAND AQUARIUM**
 W 8TH ST/BROADWALK

BROOKLYN, NY

Spill Number: 9610452

Close Date: 08/17/1998
 TT-Id: 520A-0043-964

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING - LARGE SITE
 Approximate distance from property: 2569 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: SURF AVE
 Revised zip code: 11224

Source of Spill: COMMERCIAL/INDUSTRIAL
 Notifier Type: Other
 Caller Name: JOHN KIRBY
 DEC Investigator: JAKOLLEE

Spiller: JOHN KIRBY - CONEY ISLAND AQUARIUM
 Notifier Name: JOHN KIRBY
 Caller Agency: RECON ENVIRONMENTAL
 Contact for more spill info: JOHN KIRBY

Spiller Phone: (908) 526-1000
 Notifier Phone: (908) 526-1000 ext. 5
 Caller Phone: (908) 526-1000 ext. 5
 Contact Person Phone: (908) 526-1000

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	
11/20/1996		UNKNOWN	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0	GALLONS	0	GALLONS	GROUNDWATER

Caller Remarks:

SPILL IN PARKING LOT OF CONEY ISLAND AQUARIUM-INVESTIGATION

IS GOING ON AT THIS TIME FOR REMEDIATION

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"
 SITE INVESTIGATION PERFORMED BY LEVINE-FRICKE-RECON INDICATED NO SIGNIFICANT IMPACTS TO SOIL OR GROUNDWATER. JK APPROVED NO FURTHER ACTION.

Map Identification Number 74 **BETWEEN NEPTUNE AVE. AND** **Spill Number: 0408387** **Close Date: 11/02/2004**
 **3033 CONEY ISLAND AVE** **BROOKLYN, NY** **TT-Id: 520A-0043-335**

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 2588 feet to the NE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: UNKNOWN Spiller: DURGUREVIFH - BETWEEN NEPTUNE AVE. AND Spiller Phone: (718) 934-2005
 Notifier Type: Health Department Notifier Name: 311 CALL CENTER Notifier Phone: (212) 689-1520
 Caller Name: AZALIA MADDOX Caller Agency: NYC DEP Caller Phone: (212) 689-1520
 DEC Investigator: TJDEMEO Contact for more spill info: DURGUREVIFH Contact Person Phone: (718) 934-2005

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	
10/29/2004		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
OTHER	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

OIL IS SPILLING FROM THE BOILER ROOM.

DEC Investigator Remarks:

11/02/04 TJD
 Site visit 10/29/04. Tenants complaining of oil leaking from boiler room. Super not in building. Site inspected. No petroleum spill found. Recent boiler work evident, boiler tube cleaner on floor and in sump (red in color) no odors. Housekeeping issues at building. No spill. Closed.

Map Identification Number 75 **RESIDENCE** **Spill Number: 0300647** **Close Date: 04/05/2004**
 2789 BRIGHTON 8TH ST BROOKLYN, NY TT-Id: 520A-0040-344

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)
 Approximate distance from property: 2601 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: Citizen Notifier Name: KATHLEEN VIOLA Notifier Phone: (917) 374-8331
 Caller Name: KATHLEEN VIOLA Caller Agency: HOMEOWNER Caller Phone: (917) 374-8331
 DEC Investigator: TJDEMEO Contact for more spill info: KATHLEEN VIOLA Contact Person Phone: (917) 374-8331

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	
04/17/2003		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:

caller reporting oil coming up out of the ground in her basement

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"
 Tim visited this site 4/18/03. Made contact with homeowner. Spill

is been taken care-of.

Ed.

Map Identification Number 76 **PS 303K SCHOOL** **Spill Number: 1005264** **Close Date: 08/24/2010**
 501 WEST AVE BROOKLYN, NY TT-Id: 520A-0255-532

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (3)
 Approximate distance from property: 2624 feet to the NW

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL Spiller: MICHAEL BURKE - PS 303K SCHOOL Spiller Phone:
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: Caller Agency: Caller Phone:
 DEC Investigator: SFRAHMAN Contact for more spill info: MICHAEL BURKE Contact Person Phone: (212) 479-5413

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	
07/30/2010		UNKNOWN	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
TAR	OTHER	0	UNKNOWN	0	UNKNOWN	SOIL

Caller Remarks:

during parking lot renovation a tar substance was found oozing off the sidewall of excavation. Believed to be historic. Clean up pending

DEC Investigator Remarks:

Sangesland spoke to Michael Burke at Langen Engineering. He said they excavated in the parking lot adjacent to the sidewalk/street (West 5th Street). At about 2 ft depth there was a narrow band of tar. A sample was taken and it was identified as either "Roof Tar" or "Road Tar". Survey from 1963 shows an "unimproved road" in the area and the adjacent school location was a swamp. The swamp was filled in and raised along with the road area. The school was built in the mid 1960's and it is assumed that the adjacent road was raised and paved at the same time. The layer of "tar" found was probably layed down on the unimproved road during the time it was a gravel and dirt road.

08/12/10 Performed site visit on 08/11/10. Langan Engineering rep Mike Burke and SCA rep Anne Charlap was present at the site. Tar like substance(thick, black)leaching out of the soil cut. The said street has a dimension of 100'x10' with a thickness of 6" asphalt/gravel top.Parking lot is approx 300 behind the school. Mike Burke indicated that no vocs were detected in the sample.(sr)

08/23/10 Analytical report in edocs. Report says the material is MAHs/PAHs within acceptable range. Case closed (sr)



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 77 **X** **Spill Number: 0408378** **Close Date: 01/31/2005**
 31-11 BRIGHTON FIRST PLACE BROOKLYN, NY TT-Id: 520A-0046-195

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 583 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: 3111 BRIGHTON 1ST PL
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: Spiller Phone:
 Notifier Type: Other Notifier Name: MICHAEL SAVINO Notifier Phone: (646) 996-6108
 Caller Name: MICHAEL SAVINO Caller Agency: STATEWIDE OIL Caller Phone: (646) 996-6108
 DEC Investigator: CESA WYER Contact for more spill info: Contact Person Phone:

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
10/29/2004		EQUIPMENT FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
#2 FUEL OIL	PETROLEUM	10.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

Spill is being cleaned up.

DEC Investigator Remarks:

1/31/05 - Sawyer - Called Michael at Statewide and he will get trip ticket from disposal/ transport company who disposed of the spill debris.

Received disposal ticket. Nothing further required. Closed.

Map Identification Number 78 **3101 BRIGHTON** **Spill Number: 9912059** **Close Date: 11/16/2005**
 3101 BRIGHTON 2ND ST BROOKLYN, NY TT-Id: 520A-0042-488

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 623 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: PRIVATE DWELLING Spiller: MR. LAZARUS Spiller Phone: (914) 352-2228
 Notifier Type: Other Notifier Name: Notifier Phone:
 Caller Name: DENNIS FARLEY Caller Agency: MYSTIC TRANSPORTATION Caller Phone: (718) 932-9075
 DEC Investigator: kamalone Contact for more spill info: UNKNOWN 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
01/18/2000		EQUIPMENT FAILURE	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:

BROKEN GAUGE CAUSED THE SPILL INTO BASEMENT DURING DELIVERY. CLEAN UP IS SET TO BEGIN THIS MORNING BY BUILDING MANAGEMENT

DEC Investigator Remarks:

3/28-05 - Austin - Put under Lombardo's name from Saccacio for transfer to Central Office for closure review.

Transferred to Maloney as part of Spill Initiative.

Tried to contact the numbers listed but they were not in service.

Administratively closed.

Map Identification Number 79



OCEAN PKY & BRIGHTON BEAC

BROOKLYN, NY

Spill Number: 9814272

Close Date: 01/22/2003

TT-Id: 520A-0038-611

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 623 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: OCEAN PKY / BRIGHTON BEACH AVE
 Revised zip code: 11235

Source of Spill: UNKNOWN
 Notifier Type: Local Agency
 Caller Name: STANLEY BALDWIN
 DEC Investigator: SMSANGES

Spiller: UNKNOWN
 Notifier Name:
 Caller Agency: NYC DEP
 Contact for more spill info:

Spiller Phone:
 Notifier Phone:
 Caller Phone: (718) 595-4658
 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	
02/26/1999		ABANDONED DRUM	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

ABANDONED DRUM ON SIDE OF ROAD IS OVERPACKED AND A SMALL AMOUNT IS ON THE GROUND. CALLER STATES FIRE DEPT PUT ABANDONED DRUM IN A SECOND DRUM.

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"

Map Identification Number 80



SB 23726
 OCEAN PKWY AND BRIGHTON BEACH AVE

BROOKLYN, NY

Spill Number: 0504852

Close Date: 09/26/2005

TT-Id: 520A-0038-530

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 623 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: OCEAN PKWY / BRIGHTON BEACH AVE
 Revised zip code: NO CHANGE

Source of Spill: PASSENGER VEHICLE	Spiller:	Spiller Phone:
Notifier Type: Other	Notifier Name: MR. DONATONE	Notifier Phone: (212) 580-6763
Caller Name: MARK SCHLEGEL	Caller Agency: CONED	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	
05/22/2005		TRAFFIC ACCIDENT	NO		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
MOTOR OIL	PETROLEUM	0	GALLONS	0	GALLONS	SOIL

Caller Remarks:

1 quart motor oil. cleanup pending vendor availability.

Con Ed cover popped up and hit a motorcyclist & his motorcycle & the motor oil went into the manhole. Subject was taken to the hospital. 159936.

DEC Investigator Remarks:

159936. 7/22/05 0005 HRS ROBINSON #14801 #9 REPORTS RESPONDING TO SB 23726 THAT EXPLODED AT E/S OCEAN PKWY 70' S/O BRIGHTON BEACH AVE. THAT CAUSED DAMAGE TO A MOTORCYCLE THAT LEAKED APPROX 1-QUART OF MOTOR OIL IN SB-23726. DRIVER WAS INJURED AND TAKEN TO HOSPITAL. SEE #9 TICKET #-BE05024654 FOR MORE INFORMATION. OIL IS CONTAINED. NO SEWERS OR WATERWAYS. NO FIRE OR SMOKE OR PRIVATE PROPERTY INVOLVED. ENVIR CREW DISPATCHED FOR CLEANUP .O.S GENE WILLIAMS WILL RESPOND WITH VENDER (CLEAN HARBORS). G DONATONE

UPDATE 01-AUG-2005 08:13 HRS. AS PER A CONVERSATION BETWEEN C.FERNANDEZ AND E. VESCE: THIS INCIDENT WAS CLEANED AND COMPLETED BY CLEAN HARBORS ON 7-22-05. INCIDENT TO BE CLOSED OUT. C.HOGAN 07511

Closed. 9-26-05. GB

Map Identification Number 81 **VS 6224** **Spill Number: 0006191** **Close Date: 06/02/2003**
 **OCEAN PARKY/BRIGHTON AVE** **BROOKLYN, NY** **TT-Id: 520A-0050-047**

MAP LOCATION INFORMATION

Site location mapped by: **MANUAL MAPPING (3)**
 Approximate distance from property: **623 feet to the WSW**

ADDRESS CHANGE INFORMATION

Revised street: **OCEAN PARKWAY / W BRIGHTON AV**
 Revised zip code: **UNKNOWN**

Source of Spill: **COMMERCIAL/INDUSTRIAL** Spiller: **CON EDISON** Spiller Phone: **(212) 580-6763**
 Notifier Type: **Responsible Party** Notifier Name: **MR NEVELLE** Notifier Phone:
 Caller Name: **STEVE ROMARO** Caller Agency: **CON ED** 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	
08/24/2000		EQUIPMENT FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
HYDRAULIC OIL	PETROLEUM	1.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

CALLER REPORTING A SPILL FROM A FAULTY PIECE OF EQUIPMENT CONED#133026 CLEAN UP IS IN THE PROCESS NON PCB NO CALLBACK

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
 e2mis 133026

8/24 1240hrs - George Argyropoulos # 07200 Lead Mech, Cable, reports while on location at VS6224 he states his pump leaked 1 gallon hydraulic fluid into structure while doing cable work to new unit. This structure was previously cleaned and tag was removed this date from previous job. This is a water hole and mechanic was advised to hang new tag and mark hydraulic fluid on tag. Cable job being suspended at this time until clean up is completed by flush dept and also jet rodder is needed for cable to complete their work. C. Fernandez of Bklyn Env. Ops advised of the above. No sample necessary. There are no sewers or waterways affected. Env. stop tag # 26547.

Clean up pending.

cn#19661

Notified CIG S. Romero @1301hrs

THIS JOB IS BEING TREATED AS UNDER 50 PPM. TJ - 50495

Update: 8/25/00 - 1325

J. Russo - 58886 - Env. Ops., reports cleanup completed by double washing structure with slix. Liquid waste removed by tanker. Solid waste removed by vactor.

No leaking equip. Sump cemented. Tag # 26547 removed. Incident is closed.

UPDATE 1/27/03 THIS LEAK WAS FROM A HYDRAULIC PUMP USED BY SPLICE CREWS.... THERE IS NO RECORD OF THIS PUMP EVER BEING REPAIRED OR REPLACED....

Map Identification Number 82 **VAULT VS6224** **Spill Number: 0005755** **Close Date: 02/13/2002**
 OCEAN PARKWAY/BRIGHTON AV BROOKLYN, NY TT-Id: 520A-0050-048

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 623 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: OCEAN PARKWAY / W BRIGHTON AV
 Revised zip code: UNKNOWN

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: 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 - 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
08/13/2000		EQUIPMENT FAILURE	NO	NO

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
DIELECTRIC FLUID	PETROLEUM	20.00	GALLONS	0.00	GALLONS	SOIL

Caller Remarks:

transformer leaked spilling fluid
 20 gallons on top of 500 gallons of water clean up pending results
 historic record of 10 ppm of pcb

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"

Map Identification Number 83



3000 OCEAN PARKWAY

BROOKLYN, NY

Spill Number: 0104942

Close Date: 08/23/2001

TT-Id: 520A-0040-066

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 694 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL VEHICLE
 Notifier Type: Citizen
 Caller Name: ANONYMOUS
 DEC Investigator: JMKRIMGO

Spiller: TRUMP ORG.
 Notifier Name:
 Caller Agency:
 Contact for more spill info: ANONYMOUS

Spiller Phone:
 Notifier Phone:
 Caller 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 - 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	
07/22/2001		HUMAN ERROR	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#6 FUEL OIL	PETROLEUM	1000	GALLONS	0	GALLONS	SOIL

Caller Remarks:

caller states that a backhoe was brought to the location and was

parked on the sidewalk. the sidewalk broke and broke 3 underground lines. the spill has not been cleaned up. spill has been covered up with sand.

 DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD" JAKOB KRIMGOLD VISIT THE SITE. NO EVIDENCE OF OIL ON THE SIDEWALK OR ANYWHERE NEARBY THE BUILDING. ALSO NO EVIDENCE OF BROKEN SIDEWALK.

Map Identification Number 84 **219 BRIGHTWATER CT/BKLYN** **Spill Number: 9005106** **Close Date: 06/07/1995**
 219 BRIGHTWATER COURT BROOKLYN, NY TT-Id: 520A-0041-004

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (3)
 Approximate distance from property: 767 feet to the SE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
 Revised zip code: NO CHANGE

Source of Spill: INSTITUTIONAL, EDUC, GOV, OTHER	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name: JOE BLANCO	Caller Agency: PETRO TANK CLEANERS	Caller Phone: (718) 624-4842
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 - 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	
08/08/1990	06/07/1995	EQUIPMENT FAILURE	UNKNOWN		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	2500	GALLONS	0	GALLONS	SOIL

 Caller Remarks:

SPILL CONTAINED IN TANK & BOILERROOMS, PETRO TANK CLEANERS HAVE VAC TRUCK ON SCENE TO DO CLEAN UP.

DEC Investigator Remarks: NO DEC INVESTIGATOR REMARKS GIVEN FOR THIS SPILL.

Map Identification Number 85 **VAULT 4248** **Spill Number: 0507101** **Close Date: 05/03/2007**
 BRIGHTON 6 ST/BRIGHTON BEACH AVE BROOKLYN, NY TT-Id: 520A-0042-744

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 1450 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: BRIGHTON 6TH ST / BRIGHTON BEACH AVE
 Revised zip code: NO CHANGE

Source of Spill: COMMERCIAL/INDUSTRIAL	Spiller: ERT DESK - CON EDISON	Spiller Phone: (212) 580-8383
Notifier Type: Responsible Party	Notifier Name: MR. WEINRIGHT	Notifier Phone: (212) 580-6765
Caller Name: TIMOTHY PARKER	Caller Agency: CON ED	Caller Phone: (212) 580-6765
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
09/12/2005		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:

transformer spilled - due to faulty equipment.

Cleanup pending - feeder in hole & equipment needs to be taken out of service (not grounded)

Con Ed. Ref. #161009

DEC Investigator Remarks:

05/03/07 - See e-docs for Con Ed report detailing cleanup and closure.

161009. 9/12/2005 20:25 HRS. V. BUSARDO #57669, TROUBLESHOOTER H.V. WITH #9, REPORTS HE WAS ON LOCATION RESPONDING TO CUSTOMER COMPLAINT AND AT 20:15 HRS. HE FOUND TRANSFORMER BELOW MIN AND HE CAN SEE APPROX. 100 GAL. OIL AND APPROX. 100 GAL WATER IN VAULT. HE BASED

ESTIMATE OF OIL SPILL ON TRANSFORMER NORMALLY SHOULD HOLD APPROX. 200 GAL AND IT IS HALF EMPTY. SPILL APPEARS TO BE CONTAINED. NO SEWERS OR WATERWAYS APPEAR TO BE AFFECTED. NO PRIVATE PROPERTY AFFECTED. NO FIRE OR SMOKE INVOLVED. LIQUID SAMPLE OF OIL & WATER WAS TAKEN. SUPERVISOR IS ENROUTE WITH ENV STOP TAG AND CHAIN OF CUSTODY FORM. DUE TO SPILL AMOUNT #9 TO REMAIN ON LOCATION. EQUIPMENT GROUP WILL NEED DRAIN TRANSFORMER & ENV OPS TO START CLEANUP AS 50-499 PPM. ** TRANSFORMER INFORMATION FROM E.C.C. WAREHOUSE: Feeder # 11B06, ** Serial ID: B533282, MFG Code: GE, KVA 1000, Mfr Date: 11/01/1953, Install Date: 01/01/1967. ** HISTORICAL PCB RESULTS DATED 11/19/2002: 15 PPM, LAB SEQ # 02-10750-018.
-- W. WAINWRIGHT #17344 --

9/12/05 20:55 HRS. -- CORRECTED STRUCTURE # FROM VS-4246 TO VS-4248. -- W.W. #17344

9/12/05 21:00 HRS. -- #9 SUPERVISOR C. YATCHUM REPORTS HE IS ON LOCATION, FEEDER IS NOW OFF BUT NOT GROUNDED, ALSO REPORTS ENV STOP TAG 33856 PLACED AND SAMPLE TO BE SUBMITTED TO CHEM LAB ON CHAIN OF CUSTODY FORM # DD-09313. -- W.W. #17344 --

9/12/05 21:20 HRS. -- A. FIORE OF E.R.T. ASKED IF 100 GAL OF OIL WAS ACTUALLY SEEN IN THE VAULT AND NOT JUST MISSING OUT OF THE TRANSFORMER. I TOLD HIM THAT BUSARDO REPORTED THAT THE VAULT ITSELF IS HALF-FULL OF OIL & WATER, AND THE SPILL AMOUNTS WERE HIS ESTIMATES OF WHAT HE SAW IN STRUCTURE. ALSO UPDATED ORIGINAL REPORT TO INDICATE THAT BUSARDO ACTUALLY SAW THIS IN STRUCTURE. -- W.W. #17344 --

9/12/05 22:20 HRS. -- D. LICHTENSTEIN OF BROOKLYN ENV OPS ON LOCATION AND REPORTS D.E.P. IS ALSO ON LOCATION. HE NOTIFIED SUPERVISOR C. FERNANDEZ. -- W.W. #17344 --

9/13/05 03:48 HRS. -- RECEIVED PCB RESULTS FOR "WATER AND OIL IN VS": 14 PPM, AROCLOR 1254 & 1260. LAB SEQ # 05-09575-001. -- W.W. #17344 --

9/13/05 04:06 HRS. -- J. STILES #15305, SPLICER WITH BROOKLYN/QUEENS EQUIPMENT GROUP REPORTS AN OIL SAMPLE WAS TAKEN DIRECTLY FROM REACTOR FOR PCB TESTING ON CHAIN OF CUSTODY FORM # DD-21927. TANKER DRAINED OIL & WATER FROM VAULT AND ALL OIL FROM REACTOR (UNIT IN THIS VAULT IS A REACTOR, NOT A TRANSFORMER). TANKER DRIVER TOLD STILES THAT 450 GAL OF LIQUID WAS REMOVED. HE WAS NOT ABLE TO PROVIDE A SEPARATE AMOUNT FOR GALLONS OF OIL DRAINED FROM REACTOR.
-- W.W. #17344 --

Map Identification Number 86**BELY PKWY/OCEAN PKWY**
BELT PKWY/OCEAN PKWY

BROOKLYN, NY

Spill Number: 9503695**Close Date: 06/26/1995**

TT-Id: 520A-0050-512

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (4)
Approximate distance from property: 2470 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: UNKNOWN

Source of Spill: UNKNOWN	Spiller: UNKNOWN	Spiller Phone:
Notifier Type: Other	Notifier Name:	Notifier Phone:
Caller Name: RICHARD FRAGA	Caller Agency: NYC DEP	Caller Phone: (718) 595-6700
DEC Investigator: MMMULQUE	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	
06/26/1995	06/26/1995	ABANDONED DRUM	UNKNOWN		NO	

Material Spilled	Material Class	Quantity Spilled		Quantity Recovered		Resource(s) Affected
		Units		Units		
UNKNOWN PETROLEUM	PETROLEUM	600.00	GALLONS	0.00	GALLONS	AIR

Caller Remarks:

HAZMAT TEAM RESPONDING

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"

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
9609318	HILLCREST REALTY	2935 OCEAN PARKWAY	BROOKLYN
9404687	227 BRIGHTON 2ND LANE	227 BRIGHTON 2ND LANE	BROOKLYN
0302131	VAULT #TM2968	BRIGHTON BEACH AVE & 4TH	BROOKLYN
9609324	2940 OCEAN PARKWAY	2940 OCEAN PARKWAY	BROOKLYN
9900345		2901 OCEAN PARKWAY	BROOKLYN
0708107	DRUMS OF OIL	3022 BRIGHTON 5TH STREET	BROOKLYN
8910893	3145 BRIGHTON & 4TH ST	3145 BRIGHTON/4TH ST	BROOKLYN
9903357	MAN HOLE #1501	NEPTUNE AV & W 2ND ST	BROOKLYN
9213562	3048 BRIGHTON 6 ST.	3048 BRIGHTON 6 ST	BROOKLYN
0513910	TRUMP VILLAGE SECTION	460 NEPTUNE AVE	BROOKLYN

0000686	VS # 3318	BRIGHTON BEACH AVE/6TH ST	BROOKLYN
0612868	PS # 253	601 OCEANVIEW AVE	BROOKLYN
0613696	SCHOOL	601 OCEANVIEW AVE	BROOKLYN
9909906	MANHOLE 37294	BRIGHTON 7TH STREET + OCEAN	BROOKLYN
0405847	MANHOLE 1552	WEST 5TH ST S OF SEABREEZ	BROOKLYN
0311080	RESIDENCE	7 BIRGHTON 3RD ROAD	BROOKLYN
9311562	800 BRIGHTON AVE.	800 BRIGHTON AVE.	NYC
0211809		711-21 BRIGHTWATER CT	BROOKLYN
0602049	IN THE SEWER	BRIGHTON BEACH AVE/CONEY	BROOKLYN
0100934	VALUT # 6503	COONEY ISL AVE/BRIGHTON AVE	BROOKLYN
8800692	2942 W 59TH ST/TRUMP VILL	2942 WEST 59TH ST	NEW YORK CITY
0003864	MANHOLE 35394	CONEY ISLAND AVE/BRIGHTWA	BROOKLYN
9611605	DIME SAVINGS BANK	1002 BRIGHTON BEACH AVE	BROOKLYN
9511191	BRIGHTON 8TH ST	AND NEPTUNE AVE	BROOKLYN
0100145		BRIGHTON 6TH ST & BANNER AVE	BROOKLYN
9303507	3046 CONEY ISLAND AVE	3046 CONEY ISLAND AVE	BROOKLYN
8800540	148 BRIGHTON 11TH ST/BKLY	148 BRIGHTON 11TH ST	NEW YORK CITY
9501862	OCEAN PKWY/SHORE PKWY	OCEAN PKWY/SHORE PKWY	BROOKLYN
9502827	BELT PKWY & OCEAN PKWY	BELT PKWY & OCEAN PKWY	BROOKLYN
0010911	EASTSIDE OD OCEAN PKY	OCEAN PKY/SHORE PKY	BROOKLYN
9903390	MANHOLE #36437	NEPTUNE AVE/W 6TH ST	BROOKLYN
0312016	CONEY ISLAND AQUARIUM	502 SURF AVE	BROOKLYN
9711436	NY AQUARIUM	SURF AVE & WEST 8TH ST	BROOKLYN
0713219	NY AQUAIRUM	WEST 8TH & SURF AVE	BROOKLYN



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 87 **3017 OCEAN PARKWAY OWNERS CORP.** **Facility Id: 2-315710** **Source: NYS DEC**
 3017 OCEAN PARKWAY BROOKLYN, 11235 TT-Id: 640A-0013-546

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 295 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: 07/12/2012
 Operator Name: MORRIS GERSON
 Owner Name: - MANAGER
 Owner Company: 3017 OCEAN PARKWAY OWNERS CORP.
 Owner Address: 1499 CONEY ISLAND AVENUE, BROOKLYN, NY 11230

Operator Phone #: (718) 266-2526
 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 - In Contact with Soil	01/01/1907		

Map Identification Number 88 **THE IDASIL** **Facility Id: 2-320048** **Source: NYS DEC**
 3039 OCEAN PARKWAY BROOKLYN, 11235 TT-Id: 640A-0013-576

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 298 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: 12/06/2013
 Operator Name: FREDDY ACOSTA
 Owner Name:
 Owner Company: 3039 OCEAN TENANTS CORP
 Owner Address: 1499 CONEY ISLAND AVE, BROOKLYN, NY 11230

Operator Phone #: (347) 598-7385
 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	3000	Aboveground on Crib Rack or Cradle	05/01/1984		

Map Identification Number 89  **3045 OCEAN PKWY TENANTS CORP**
 3045 OCEAN PARKWAY

Facility Id: 2-286958 **Source: NYS DEC**
 BROOKLYN, 11235 TT-Id: 640A-0013-426

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 328 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: 11/24/2003
 Operator Name: RIZA ATLAS
 Owner Name:
 Owner Company: 3045 OCEAN PARKWAY TENANTS CORP.
 Owner Address: 404 PARK AVENUE SOUTH, 14TH FLOOR, NEW YORK, NY 10016

Operator Phone #: (718) 265-3579
 Owner Type:

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	3000	Aboveground - In Contact with Soil			

Map Identification Number 90  **LUSTAR RALTY CORP**
 9-21 BRIGHTON 1ST RD

Facility Id: 2-189529 **Source: NYS DEC**
 BROOKLYN, 11235 TT-Id: 640A-0016-201

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 448 feet to the SSE

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: AHMED MARCISIC
 Owner Name: ABRAHAM STARK - PRES
 Owner Company: LUSTAR REALTY CORP
 Owner Address: 1613 AVE Z, BROOKLYN, NY 11235

Operator Phone #: (718) 743-6653
 Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
002	In Service	#6 Fuel Oil	4000	Aboveground - In Contact with Soil	01/01/1927		

Map Identification Number 91
 **MIKLOS A. VASARHELYI**
 2985 OCEAN PARKWAY

Facility Id: 2-046167
 BROOKLYN, 11235
Source: NYS DEC
 TT-Id: 640A-0012-414

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 452 feet to the NNW

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: 12/02/2011
 Operator Name: IOSIF ABDURAKHMAN
 Owner Name: ABE GREEN - MGR
 Owner Company: MIKLOS A VASARHELYI
 Owner Address: 2562 BRIGGS AVENUE, BRONX, NY 10458

Operator Phone #: (718) 946-3785
 Owner Type: Private Resident

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
268	In Service	#2 Fuel Oil	3000	Aboveground - In Contact with Soil			

Map Identification Number 92
 **J & D I REALTY, LLC.**
 3102 BRIGHTON FIRST PLACE

Facility Id: 2-608557
 BROOKLYN, 11235
Source: NYS DEC
 TT-Id: 640A-0018-868

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 467 feet to the SSE

ADDRESS CHANGE INFORMATION

Revised street: 3102 BRIGHTON 1ST PL
 Revised zip code: NO CHANGE

Facility Type: Apartment Building/Office Building
 Site Status: Active
 Expiration Date of the facility's registration certificate: 03/12/2013
 Operator Name: ANGEL RODRIGUEZ
 Owner Name: MICHAEL MALEK - MANAGING AGENT
 Owner Company: JOEL AND DEVORAH BALSAM
 Owner Address: P.O. BOX 469 -300385 MIDWOOD STATION, BROOKLYN, NY 11230

Operator Phone #: (347) 312-3374
 Owner Type: Private Resident

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	3000	Aboveground - In Contact with Soil	01/01/1931		

Map Identification Number 93
 **BRIGHTWATER CT ASS**
 101 BRIGHTWATER COURT

Facility Id: 2-608358
 BROOKLYN, 11235
Source: NYS DEC
 TT-Id: 640A-0018-866

MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 551 feet to the S

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: 02/25/2013
 Operator Name: WES KARNAK
 Owner Name: CHAIM SCHOEID - OWNER
 Owner Company: BRIGHWATER CT ASS @ SCHOEID
 Owner Address: 1440 55TH ST, BROOKLYN, NY 11214

Operator Phone #: (718) 438-4222
 Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
01	In Service	#2 Fuel Oil	5000	Aboveground - In Contact with Soil	01/01/1962		

Map Identification Number 94
 **3100 BRIGHTON 2ND STREET**
 3100 BRIGHTON 2ND STREET

Facility Id: 2-150061
 BROOKLYN, 11235
Source: NYS DEC
 TT-Id: 640A-0016-191

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 571 feet to the SE

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: 01/11/2016
 Operator Name: 3100 BRIGHTON 2ND LLC
 Owner Name: STEPHEN DENARDO - AGENT
 Owner Company: 3100 BRIGHTON 2ND LLC, C/O AJ CLARKE RE CORP.
 Owner Address: 1881 BROADWAY, NEW YORK, NY 10023

Operator Phone #: (718) 368-4488
 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 - In Contact with Soil	12/01/1926		

Map Identification Number 95  **NEW BROOKLYN REALTY LLC** **Facility Id: 2-083135** **Source: NYS DEC**
 115 BRIGHTWATER CT BROOKLYN, 11235 TT-Id: 640A-0016-189

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 572 feet to the SSE

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: 01/26/2015
 Operator Name: NORMA RIVERA
 Owner Name: THOMAS J. CARACCIO - MANAGER
 Owner Company: NEW BROOKLYN REALTY, LLC
 Owner Address: PO BOX 3557, NEW HYDE PARK, NY 11040

Operator Phone #: (718) 615-1234
 Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#4 Fuel Oil	5000	Aboveground on Crib Rack or Cradle	02/07/1934		

Map Identification Number 96  **UNITED MGMT. CORP** **Facility Id: 2-271047** **Source: NYS DEC**
 3111 BRIGHTON 1ST PLACE BROOKLYN, 11235 TT-Id: 640A-0016-194

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 583 feet to the SE

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: 01/07/2013
 Operator Name: KEMAL TESOREN
 Owner Name: ARTHUR WIENER - VICE PRESIDENT
 Owner Company: 311 BRIGHTON OWNERS CORP
 Owner Address: 166 MONTAGUE ST, BROOKLYN, NY 11201

Operator Phone #: (718) 743-4699
 Owner Type: Corporate or Commercial

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	Gasoline	5000	Aboveground - In Contact with Soil	05/06/1968		

Map Identification Number 97  **40/50 BRIGHTON 1ST RD CORPORATION**
40-50 BRIGHTON 1ST ROAD

Facility Id: 2-327107
BROOKLYN, 11235

Source: NYS DEC
TT-Id: 640A-0015-221

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 585 feet to the S

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: MIKE SABOVIC
Owner Name: BEN HAWKINS - DIR
Owner Company: 40-50 BRIGHTON FIRST ROAD APTS
Owner Address: 40 BRIGHTON 1ST ROAD, BROOKLYN, NY 11235

Operator Phone #: (718) 266-3301
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	20000	Underground	01/15/1994	07/02/2004	
002	In Service	#2 Fuel Oil	20000	Underground	01/15/1994	07/02/2004	

Map Identification Number 98  **129 OCEANVIEW AVE**
129 OCEANVIEW AVE

Facility Id: 2-082716
BROOKLYN, 11235

Source: NYS DEC
TT-Id: 640A-0015-220

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 585 feet to the N

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Type: Private Residence
Site Status: Active
Expiration Date of the facility's registration certificate: 03/24/2007
Operator Name: FRANK SHIMKO
Owner Name:
Owner Company: JOHN & ELEANOR PLUCHINO
Owner Address: 133 ARDSLEY STREET, STATEN ISLAND, NY 10306

Operator Phone #: (718) 646-1893
Owner Type: Private Resident

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	3000	Aboveground - In Contact with Soil			

Map Identification Number 99  **SHEILA CARROLL**
291 BRIGHTON BEACH AVE

BROOKLYN, 11235

Facility Id: 2-080934

Source: NYS DEC
TT-Id: 640A-0016-188

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 611 feet to the E

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Facility Types: Other Wholesale/Retail Sales
Other Retail Sales

Site Status: Active
Expiration Date of the facility's registration certificate: 01/14/2012
Operator Name: SHEILA CARROLL
Owner Name: SHEILA CARROLL - OWNER
Owner Company: SHEILA CARROLL
Owner Address: 7 REINA LANE, VALLEY COTTAGE, NY 10989

Operator Phone #: (718) 646-9755

Owner Type: Private Resident

TANK NUMBER	TANK STATUS	TANK CONTENT	CAPACITY GALLONS	TANK LOCATION	INSTALL DATE	TEST DATE	CLOSE DATE
001	In Service	#2 Fuel Oil	1500	Abovegrnd - In Contact w/Imperv. Barrier	06/04/1930		

Map Identification Number 100  **BRIGHTON REALTY COMPANY**
3101 BRIGHTON 2ND STREET

BROOKLYN, 11235

Facility Id: 2-158615

Source: NYS DEC
TT-Id: 640A-0016-193

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 637 feet to the ESE

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: 08/24/2012
Operator Name: JUAN LOPEZ
Owner Name: JOSHUA LAZARUS - MEMBER
Owner Company: BRIGHTON REALTY COMPANY
Owner Address: 20 F ROBERT PITT DRIVE SUITE 204, MONSEY, NY 10952

Operator Phone #: (718) 769-6384

Owner Type: Corporate or Commercial

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	09/22/1925		

Map Identification Number 101  **BLANNOR REALTY CO**
3095 BRIGHTON 2 ST

Facility Id: NY02055
BROOKLYN, NY 11235

Source: NYC FIRE DEPT
TT-Id: 660A-0003-775

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
Approximate distance from property: 637 feet to the ESE

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

NOTE: This is an archived database

Comments: FUEL OIL 5000 GAL

Map Identification Number 102  **3101 OCEAN PARKWAY**
3101 OCEAN PARKWAY

Facility Id: 2-243884
BROOKLYN, 11235

Source: NYS DEC
TT-Id: 640A-0018-867

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 645 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: 10/23/2012
Operator Name: MUSTAFA ER
Owner Name: CARL FRAIMAN - OWNER
Owner Company: 3101 APT INC
Owner Address: 247 SEELEY STREET, BROOKLYN, NY 11218

Operator Phone #: (718) 965-1500

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	7600	Aboveground - In Contact with Soil	01/01/1974		



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.

<p>Map Identification Number 103 </p>	<p>NYSDEC Name: YORK CLNRS NYSDEC Address: 211 BRIGHTON BEACH AVE EPA (RCRA) Name: YORK CLEANERS EPA (RCRA) Address: 211 BRIGHTOWN BEACH AVE</p>	<p>BROOKLYN, NY 11235 BROOKLYN, NY 112357406</p>	<p>Facility Id: NYD020585048 TT-Id: 740A-0014-667</p>
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MAP LOCATION INFORMATION
 Site location mapped by: PARCEL MAPPING (2)
 Approximate distance from property: 161 feet to the SSW*

ADDRESS CHANGE INFORMATION
 Revised street: NO CHANGE
 Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN
 Land Disposal: Receives offsite waste:
 Storer: Treatment facility:
 Contact Name: FRANCES LEVINE Source Type: Notification

Notification date: 05/03/1985
 Incinerator:
 Transporter:
 Contact Phone: 718-743-560 Contact Info Date: 05/03/1985

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	HISTORIC MAXIMUM AMOUNT	YEAR
F002	Spent halogenated solvents	675	POUNDS	GENERATED	1990	1880	1987

<p>Map Identification Number 104 </p>	<p>NYSDEC Name: KWIKI KLEEN NYSDEC Address: 256 BRIGHTEN BEACH AVE EPA (RCRA) Name: KWIKI KLEEN EPA (RCRA) Address: 256 BRIGHTON BEACH AVE</p>	<p>BROOKLYN, NY 11235 BROOKLYN, NY 11235</p>	<p>Facility Id: NYD093768489 TT-Id: 740A-0014-670</p>
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MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 439 feet to the SE

ADDRESS CHANGE INFORMATION
 Revised street: 256 BRIGHTON BEACH AVENUE
 Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN Notification date: None Given
 Land Disposal: Receives offsite waste: Incinerator:
 Storer: Treatment facility: 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	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
F002	Spent halogenated solvents	390	POUNDS	GENERATED	1999	780	1994

Map Identification Number 105  **NYSDEC Name:** CONSOLIDATED EDISON **Facility Id:** NYP004039012
 NYSDEC Address: VS5366-OCEAN PKY BROOKLYN, NY 11201 TT-Id: 740A-0013-933
 EPA (RCRA) Name: VS5366
 EPA (RCRA) Address: F/O 3000 OCEAN PARKWAY NEW YORK CITY, NY 12235

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 552 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: F/O 3000 OCEAN PARKWAY
 Revised zip code:

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN Notification date: None Given
 Land Disposal: Receives offsite waste: Incinerator:
 Storer: Treatment facility: Transporter:
 Contact Name: ANTHONY DRUMMINGS Source Type: Implementer Contact Phone: 212-460-3770 Contact Info Date: 01/03/2001
 Contact Name: ANTHONY DRUMMINGS Source Type: Annual/Biennial Report Contact Phone: 212-460-3770 Contact Info Date: 01/01/2001

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	HISTORIC MAXIMUM AMOUNT	HISTORIC MAXIMUM YEAR
B002	Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm	3655	KILOGRAMS	GENERATED	1999		

Map Identification Number 106



NYSDEC Name:

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

CONSOLIDATED EDISON MH73166

2975 OCEAN PKWY & OCEANVIEW AV

E

CON EDISON - MANHOLE 73166

2975 OCEAN PKWY & OCEANVIEW AV

E

BROOKLYN, NY 11235

BROOKLYN, NY 11235

Facility Id: NYP004191433

TT-Id: 740A-0065-962

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)

Approximate distance from property: 566 feet to the NNW

ADDRESS CHANGE INFORMATION

Revised street: 2975 OCEAN PKWY

Revised zip code:

US EPA RCRA Type: LARGE QUANTITY GENERATOR

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: None Given

Incinerator:

Transporter:

Contact Name: FRANKLYN MURRAY

Source Type: Annual/Biennial Report update with Notification

Contact Phone: 212-460-2808

Contact Info Date: 03/23/2010

Contact Name: CAROLINE ISKANDER

Source Type: Emergency

Contact Phone: 718-666-4714

Contact Info Date: 08/18/2009

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	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	350	GALLONS	GENERATED	2009		

Map Identification Number 107



NYSDEC Name:

NYSDEC Address:

CONSOLIDATED EDISON

V1849 OCEANVIEW AVE & OCEAN PK

NEW YORK, NY 10001

Facility Id: NYP004079992

TT-Id: 740A-0014-931

MAP LOCATION INFORMATION

Site location mapped by: MANUAL MAPPING (3)

Approximate distance from property: 571 feet to the NW

ADDRESS CHANGE INFORMATION

Revised street: OCEANVIEW AVE / OCEAN PARK

Revised zip code: 11235

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	HISTORIC MAXIMUM AMOUNT	YEAR
B002	Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm	818	KILOGRAMS	GENERATED	2001		

Map Identification Number 108  **NYSDEC Name:** CONSOLIDATED EDISON **Facility Id:** NYP004059846
NYSDEC Address: MH64235-OCEANVIEW & OCEAN PKWY BROOKLYN, NY 11201 **TT-Id:** 740A-0014-932

MAP LOCATION INFORMATION
 Site location mapped by: MANUAL MAPPING (3)
 Approximate distance from property: 571 feet to the NW

ADDRESS CHANGE INFORMATION
 Revised street: OCEANVIEW AV / OCEAN PKWY
 Revised zip code: 11235

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	HISTORIC MAXIMUM AMOUNT	YEAR
B002	Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm	7501	KILOGRAMS	GENERATED	2000		

Map Identification Number 109  **NYSDEC Name:** CONSOLIDATED EDISON **Facility Id:** NYP004060190
NYSDEC Address: V6224-OCEAN PKWY & BRIGHTON BE BROOKLYN, NY **TT-Id:** 740A-0014-969

MAP LOCATION INFORMATION
 Site location mapped by: ADDRESS MATCHING
 Approximate distance from property: 623 feet to the WSW

ADDRESS CHANGE INFORMATION
 Revised street: OCEAN PKWY / BRIGHTON BEACH 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	HISTORIC MAXIMUM AMOUNT	YEAR
B002	Petroleum oil or other liquid containing 50 ppm < PCBs < 500 ppm	11394	KILOGRAMS	GENERATED	2000		

Map Identification Number 110



NYSDEC Name:

NYSDEC Address:

EPA (RCRA) Name:

EPA (RCRA) Address:

NYCTA-OCEAN PKWY STATION

BRIGHTON BEACH AVE/OCEAN PKWY

MTA NYCT-OCEAN PARKWAY STA D LINE

BRIGHTON BEACH AVE &
OCEAN PKWY

BROOKLYN, NY 11235

BROOKLYN, NY 11235

Facility Id: NYR000017509

TT-Id: 740A-0010-822

MAP LOCATION INFORMATION

Site location mapped by: ADDRESS MATCHING

Approximate distance from property: 623 feet to the WSW

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE

Revised zip code: NO CHANGE

US EPA RCRA Type: GENERATOR TYPE NOT GIVEN

Land Disposal:

Receives offsite waste:

Storer:

Treatment facility:

Notification date: 12/14/2000

Incinerator:

Transporter:

Contact Name: WILLIAM JEHLE

Source Type: Implementer

Contact Phone: 646-252-3500

Contact Info Date: 01/01/2007

Contact Name: WILLIAM JEHLE

Source Type: Notification

Contact Phone: 646-252-3500

Contact Info Date: 12/14/2000

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	HISTORIC MAXIMUM AMOUNT	YEAR
D008	Lead	600	POUNDS	GENERATED	2001	1200	1995
D008	Lead	55	GALLONS	GENERATED	1996		



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



AIR DISCHARGE FACILITIES 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 111



TRUMP VILLAGE SEC 2, INC.
3000 OCEAN PARKWAY

Facility Id: 36047P000Q
BROOKLYN, NY 11235

State-county CDS Id: 36047P000Q
State-county NED id:
TT-ID: 900A-0001-889

MAP LOCATION INFORMATION

Site location mapped by: PARCEL MAPPING (2)
Approximate distance from property: 658 feet to the W

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

CDS-ID: P000Q NED-ID: None Given
Plant Phone #1: (718)627-5100 Plant Phone #2: None Given
Operating Status: OPERATING
EPA Classification:
State Classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
EPA Plant Compliance Status:
State Plant Compliance Status: IN COMPLIANCE - INSPECTION

EPA-ID: None Given

FINDS-ID: None Given

AIR PROGRAM INFORMATION

Regulatory Air Program: SIP SOURCE

Program Status: OPERATING

POLLUTANT INFORMATION

Pollutant: NITROGEN DIOXIDE
State Pollutant Compliance for this pollutant: IN COMPLIANCE - INSPECTION



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
67 Brighton 1st Lane
Brooklyn, NY 11235

* 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

Unmappable facilities for 'Kings' County

NPL/CERCLIS/NYSDEC Inactive Haz. Waste or Reg. Qual. Sites

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYD980531628	WILLIAM HARVEY CORP	UNKNOWN	BROOKLYN	UNKNOWN
NYD980532022	BKLYN UNION GAS /CONEY ISLAND WORKS	NEPTUNE AVE & SHELL RD	BROOKLYN	11224

Solid Waste Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
24D05	EMPIRE MILL DEMO			UNKNOWN
24D07	RED HOOK CONTAINER DEMO			UNKNOWN
24M01	ASHMONT METALS RES.REC.			UNKNOWN
24T55	CARDELLA TRUCKING			UNKNOWN
24T75	ROBERT BOLOGNA WCTB INC.			UNKNOWN
24TA3	ALLOCO RECYCLING ST.LOUIS			UNKNOWN
24TA8	U.S. COAST LINE, INC.			UNKNOWN
24TB3	J. WISE EXCAVATING			UNKNOWN
24Y81	NYCDPR YARD WASTE COMPOST			UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Active

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8810168	11TH ST CONDUIT	11TH ST CONDUIT	BROOKLYN	UNKNOWN
0612595	PORT AUTHORITY -BUILDING #111	FOOT OF HAMILTON AVE	BROOKLYN	UNKNOWN
0308367	AGUANA SUBSTATION	104-27 STREET	BROOKLYN	UNKNOWN

Hazardous Spills - TANK FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
8607075				UNKNOWN
9313502	1782 GLEASON AVE	1782 GLEASON AVE	BROOKLYN	UNKNOWN
9109440	HOBBY SHOP GARAGE/US NAVY	HOBBY SHOP GARAGE	BROOKLYN	UNKNOWN
0010946	GRAVESEND ANCHORAGE	NO ADDRESS	BROOKLYN	UNKNOWN

Hazardous Spills - TANK TEST FAILURES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
0605577	MERIDIAN PROPERTIES	101 LINCOLN BLVD	BROOKLYN	UNKNOWN
0207998	THOMAS PANETH ESQ	390 SHORE PARKWAY	BROOKLYN	UNKNOWN
8802622	85-09 1ST AVENUE	85-09 1ST AVENUE	NEW YORK CITY	UNKNOWN
8806571	CLOSED-LACKOF RECENT INFO	ADMINISTRATION BLDG	NYC	UNKNOWN

Hazardous Spills - UNKNOWN CAUSE OR OTHER CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9213773				UNKNOWN
8603146				UNKNOWN
0811373	S. BROOKLYN MARINE TERMINAL	END OF 38 ST		UNKNOWN
0209904	VARIOUS DEP -BWSO SITES	MISC.	BRONX/QUEENS/MANHATTAN	UNKNOWN
9912359	BOX 20341	715 PAHALEY ST	BROOKLYN	UNKNOWN
9910840	MANHOLE #1295	EAST SIDE OCEAN PARKWAY	BROOKLYN	UNKNOWN
9907077	MANHOLE 58390	NECKING LAND AVE	BROOKLYN	UNKNOWN
9903873	GRAVES END BAY	NY HARBOUR	BROOKLYN	WLNYS
9903277	MANHOL # 1497	TRITON AVE & W 6TH ST	BROOKLYN	UNKNOWN
9901523	BROWNING FERRIS INDUSTRIE	115 CANGNEF STREET ?	BROOKLYN	UNKNOWN
9815288	MANHOLE 14244	29-39 HAYWOOD ST	BROOKLYN	UNKNOWN
9813982	SERVICE BOX 49009	SERVICE BOX 49009	BROOKLYN	UNKNOWN
9811918	VAULT #VS5521	SHEEPSHEAD BAY RD	BROOKLYN	UNKNOWN
9801951	432 DRAKES AVE CORP	432 DRAKES AVE	BROOKLYN	UNKNOWN
9712210	SILKEBORG VESSEL	BERTH 5	BROOKLYN	UNKNOWN
9711914	STAPLETON ANCHORAGE	ATLANTIC OCEAN	BROOKLYN	UNKNOWN

9703923	GRAVESEND BAY	SOUTH OF BOUY C	BROOKLYN	UNKNOWN
9613007	AVE A/SHEEPSHEAD BAY RD	AVE A/SHEEPSHEAD BAY RD	BROOKLYN	UNKNOWN
9612835	2911 BRIGHTON ST	2911 BRIGHTON ST	BROOKLYN	11235
9606685	GARRISON BEACH NR	VENICE MARINA -DALTON ST	BROOKLYN	UNKNOWN
9412310	217 HYLAND ST	217 HYLAND ST	BROOKLYN	UNKNOWN
9412125	3100 BRIGHTON END ST	3100 BIGHTON END ST	BROOKLYN	11235
9401770	CONEY ISLAND CREEK	CONEY ISLAND CREEK	BROOKLYN	UNKNOWN
9315351	SHELL BANK CREEK	SHELL BANK CREEK	BROOKLYN	UNKNOWN
9312482	NAVESINK RIVER CHANNEL #7	NAVESINK RIVER CHANNEL #7	BROOKLYN	UNKNOWN
9308918	GRAVES END BAY ANCHOR.#25	GRAVES END BAY ANCHOR.#25	BROOKLYN	UNKNOWN
9306347	WHITE AVE - BLDG 114	WHITE AVE - BLDG 114	BROOKLYN	UNKNOWN
9305573	VARIOUS LOTS IN BROOKLYN	VARIOUS LOTS IN BROOKLYN	BROOKLYN	UNKNOWN
9305284	CONEY IS.PIER TOWARDS NY	CONEY IS. PIER TOWARDS NY	BROOKLYN	11224
9304820	MILL BASIN NEAR KINGS PLA	MILL BASIN NEAR KINGS PLA	BROOKLYN	11235
9304641	AMBROSE LIGHT OFF CONEY I	AMBROSE LIGHT OFF CONEY I	BROOKLYN	11224
9303526	CONEY ISLAND CREEK	CONEY ISLAND CREAK	BROOKLYN	UNKNOWN
9301492	CONEY ISLAND CREEK	CONEY ISLAND CREEK	BROOKLYN	UNKNOWN
9214290	1200 NECK ROAD	1200 NECK ROAD	BROOKLYN	UNKNOWN
9210843	UNK	UNKNOWN	BROOKLYN	UNKNOWN
9208010	WASTE WATER TREATM'T FAC	CONEY ISLAND	BROOKLYN	UNKNOWN
9203903	ATLANTIC OCEAN	ATLANTIC OCEAN	BROOKLYN	UNKNOWN
9203581	GRAVESEND ANCHORAGE	GRAVESEND ANCHORAGE	BROOKLYN	UNKNOWN
9201948	ROCKAWAY BEACH INLET	ROCKAWAY BEACH INLET	BROOKLYN	UNKNOWN
9200685	BELT PARKWAY	BELT PARKWAY	BROOKLYN	UNKNOWN
9106508	NY HARBOR/BKLYN FLATS	NY HARBOR/BKLYN FLATS	BROOKLYN	UNKNOWN
9004558	GUID AVE BRIDGE/BKLYN	GUID AVE BRIDGE	BROOKLYN	UNKNOWN
9002894	BENSONHURST/CONEY ISLAND	BENSONHURST/CONEY ISLAND	BROOKLYN	UNKNOWN
8906138	SHELLBANK CREEK	SHELLBANK CREEK	BROOKLYN	UNKNOWN
8709361	GRAVESEND BAY	GRAVESEND BAY	BROOKLYN	UNKNOWN
8704318			BROOKLYN	UNKNOWN
8504687	BROOKLYN	BROOKLYN	BROOKLYN	UNKNOWN
8503558	BROOKLYN	BROOKLYN	BROOKLYN	UNKNOWN
8503309	SUNOCO BROOKLYN	BROOKLYN	BROOKLYN	UNKNOWN
8503172	BROOKLYN, KINGS	BROOKLYN, KINGS	BROOKLYN	UNKNOWN
8502862	GAS COMPANY	GAS COMPANY	BROOKLYN	UNKNOWN
8301183	AVIS PUMP STATION	AVIS PUMP STATION	BROOKLYN	UNKNOWN
8100041	SUBWAY-NYC	SUBWAY-NYC	BROOKLYN	UNKNOWN
7901505	VAN BRUNT STR.	BENSONHURST	BROOKLYN	UNKNOWN
7900928			BROOKLYN	UNKNOWN
0910939	SICHEM DEFIANCE ETHYLALCOHOL EXPLOSION	GRAVESEND BAY ANCHORAGE	BROOKLYN	UNKNOWN
0905038	MANHOLE 796 EMIS 217771	NASSAU ST AND KENT AVE	BROOKLYN	UNKNOWN
0813358	APARTMENTS	9TH ST	BROOKLYN	UNKNOWN
0803914	LAFARGE CEMENT CO	UNKNOWN	BROOKLYN	UNKNOWN
0801878	BARGE INLAND SEAS	SOUTH OF JFK/HUDSON RIVER- BUOY 23	BROOKLYN	UNKNOWN
0709169	BEACH	BRIGHTON BEACH AVE/ CONEY	BROOKLYN	11235
0702358	ONE QT OIL IN MANHOLE 55453	SHORE PARKWAY - SOUTH SERVICE RD	BROOKLYN	UNKNOWN
0611918	SHEEP HEADS BAY PIER	UNKNOWN	BROOKLYN	11235
0410681	TRANDFORMER VAULT #TM993	SUMNER AVE. AND DEKALB	BROOKLYN	UNKNOWN
0410369	RESIDENCE	57 BRAND STREET	BROOKLYN	UNKNOWN
0405797	VAULT #VS-7930	3411 JUIEER AVE	BROOKLYN	UNKNOWN
0405023	VAULT # 3182	DEBEVOIST PLACE/LAFAYETTE	BROOKLYN	UNKNOWN
0404093	MANHOLE # 59281	WEST SIDE OF OCEAN PARKWA	BROOKLYN	UNKNOWN
0403401	LEHIGH CEMENT TERMINAL	NEW YORK HARBOR	BROOKLYN	UNKNOWN
0400413	MANHOLE # 37280	OCEANVIEW AV / BRIGHTON 1	BROOKLYN	11235
0312773	SUBWAY SYSTEM-A LINE	TRACK A-3- COLUMN 792	BROOKLYN	UNKNOWN
0310941	MANHOLE 32221 FRONT OF	298 HAWKSIDE AVE	BROOKLYN	UNKNOWN
0211077	ALL OVER BROOKLYN	ALL OVER BROOKLYN	BROOKLYN	UNKNOWN
0207131	MANHOLE 66778	SHORE PKY AND SHORE RD	BROOKLYN	UNKNOWN
0201853	MANHOLE #1578	CONEY ISLAND AVE/BRIGHTON	BROOKLYN	11235
0106242		69TH ST/THE NARROWS	BROOKLYN	UNKNOWN

0102774	VAULT 6503	CONEY ISLAND AVE/BRIGHTON	BROOKLYN	11235
0012426	BAY RIDGE ACHORAGE	UNKNOWN	BROOKLYN	UNKNOWN
0007935	MANHOLE 46878	63RD RD/23RD RD	BROOKLYN	UNKNOWN
0004067	MANHOLE TM606	BRIGHTON 2ND ST	BROOKLYN	11235
0000370	SHEEPSHEAD BAY	EMMONDS AVE/SHORE AVE	BROOKLYN	UNKNOWN
9305793	NORTH SHORE OF CONEY ISLA	NORTH SHORE OF CONEY ISLA	ISLAND CREEK	11224
9710317	NEW YORK HARBOR ENTRANCE	NY HARBOR ENTR MANHATTAN	MANHATTAN	UNKNOWN
9507172	NEW YORK HARBOR	NY HARBOR/UPPER BAY	MANHATTAN	UNKNOWN
9804674	CHANNEL BETWEEN	NY HARBOR / ATLANTIC	NEW YORK	UNKNOWN
9606191	GRAVES END ANCHORAGE	NY HARBOUR	NEW YORK	UNKNOWN
9508518	IMTT CONSTABLE HOOK	NEW YORK HARBOR	NEW YORK	UNKNOWN
0604625	LOWER NY BAY	KMI TERMINAL	NEW YORK	WLNYB
0508906	GRAVESEND BAY	7-10 MI OFF SHORE	NEW YORK	UNKNOWN
9103671	145 UNEDON ROAD/BKLYN	145 UNEDON ROAD	NEW YORK CITY	UNKNOWN
9012360	841 GRAVESEND BAY/BKLYN	841 GRAVESEND BAY	NEW YORK CITY	UNKNOWN
8906789	SHELLBANK CREEK/BKLYN	SHELLBANK CREEK	NEW YORK CITY	UNKNOWN
8905312	LOWER NEW YORK BAY/S.I.	LOWER NEW YORK BAY	NEW YORK CITY	UNKNOWN
8903346	NEW YORK HARBOR/MANHATTAN	NEW YORK HARBOR	NEW YORK CITY	UNKNOWN
8807808	GRAVESEND BAY/BKLYN	GRAVESEND BAY/CONEY ISLAN	NEW YORK CITY	UNKNOWN
8605577	RAW SEW.BARGE GROUNDED/ST	3 MILES OFF S.I. ATLANTIC	NEW YORK CITY	UNKNOWN
8601254	GRAVESEND BAY SHEEN	3/4 MI.W.OF NORTON POINT	NEW YORK CITY	UNKNOWN
9510030	LOWER NY BAY	LOWER NY BAY	NYC	11220
9314740	OF NY HARBOR	OF NY HARBOR	NYC	UNKNOWN
8803289	BRIGHTON BEACH	BRIGHTON BEACH	NYC	UNKNOWN
8606003	GRAVES END ANCHORAGE BKLY	GRAVES END ANCHORAGE	NYC	UNKNOWN
8605945	NEAR STELLA MARINA BROOKL	NEAR STELLA MARINA	NYC	11235
9708054	LOWER NY HARBOR CROOKS PT	UNK	PATCHOGUE	UNKNOWN
9411488	# 5 ROCKAWAY INLET	# 5 ROCKAWAY INLET	QUEENS	UNKNOWN
0608518	FORMER SHELL GAS STATION	NEPTUNE AVE/BRIGHTON	QUEENS	11224
9310287	CONEY ISLAND	CONEY ISLAND	RICHMOND	UNKNOWN
0110469	VERRAZANO NARROWS	HOMEPORT FRONT	RICHMOND	UNKNOWN
9703456	3 1/2 MILES - ROCKAWAY	ATLANTIC OCEAN	ROCKAWAY	UNKNOWN
0002914	ATLANTIC OCEAN	SOUTH OF EAST ROCKAWAY	ROCKAWAY	UNKNOWN
7900519	DREDGE BARGE PENNSYLVANIA	1/3 MILE OFF R'CK'WYJETTY	ROCKAWAY POINT	UNKNOWN
9103881	LOWER NY BAY	LOWER NEW YORK BAY	STATEN ISLAND	UNKNOWN
0211003	NY HARBOR	NY HARBOR	STATEN ISLAND	UNKNOWN
0110515		NEW YORK HARBOR	STATEN ISLAND	UNKNOWN
9206476	UNKNOWN	UNKNOWN	UNKNOWN	UNKNOWN
8504666	UNK	UNKNOWN	UNKNOWN	UNKNOWN

Hazardous Spills - MISC. SPILL CAUSES - Closed

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
9709485	M/V TEVAL	AT SEA	AT SEA	UNKNOWN
9213102	GRAVESEND BAY	GRAVESEND BAY	BAYSIDE	UNKNOWN
1006871	COMMERCE PUMP STATION	COMMERCE RD	BRONX	UNKNOWN
9914811	POLE #18923	MANOR RD/HOLLYWOOD AVE	BROOKLYN	UNKNOWN
9907586	VAULT 2488	45 DEBEVOISE PLACE	BROOKLYN	UNKNOWN
9813336	BUS #1037	ELI AV & EDISON AV	BROOKLYN	UNKNOWN
9808924	ST 112	OMIKORN VENTURE L	BROOKLYN	UNKNOWN
9801893	NEW YORK BAY	NEW YORK BAY	BROOKLYN	UNKNOWN
9800287	MANHATTAN BEACH	MANHATTAN BEACH	BROOKLYN	11235
9710101	NEW TOWN CREEK REGULATOR	UNIT B-5A	BROOKLYN	UNKNOWN
9614021	STAPLETON ANCHORAGE	NEW YORK HARBOR	BROOKLYN	UNKNOWN
9613013	NEW YORK HARBOR	NY HARBOR 1 MI.W ROCKAWAY	BROOKLYN	UNKNOWN
9606572	GERRITSEN CREEK	GERRITSEN CREEK	BROOKLYN	UNKNOWN
9602674	CROSS HARBOR	BOX 182	BROOKLYN	UNKNOWN
9510467	DRIVER SERVICES CO	172 CARSON AVE	BROOKLYN	UNKNOWN
9508762	PERGAMENT STORES	57 65TH AVE	BROOKLYN	UNKNOWN
9505269	N. ELEANOR PL/WILLIAMBURG	MANHOLE #55915/ELEANOR PL	BROOKLYN	UNKNOWN
9502176	PLUM BEACH - BELT PKWY	PLUM BEACH - BELT PKWY	BROOKLYN	11235

9407518	CONEY ISLAND CREEK	CONEY ISLAND CREEK	BROOKLYN	UNKNOWN
9308950	JAMAICA REGULATOR #3	JAMAICA REGULATOR #3	BROOKLYN	UNKNOWN
9307209	HILLARY STREET	HILLARY STREET	BROOKLYN	UNKNOWN
9304944	1604 LOTS 28 & 37-44 PLUS	1604 LOTS 28 & 37-44 PLUS	BROOKLYN	UNKNOWN
9214074	NEW YORK HARBOR	NEW YORK HARBOR	BROOKLYN	UNKNOWN
9213983	1149 SLAVEY AVENUE	1149 SLAVEY AVENUE	BROOKLYN	UNKNOWN
9207289	LYNROCK NURSING HOME	LYNROCK NURSING HOME	BROOKLYN	UNKNOWN
9205306	909 AVE G	909 AVE G	BROOKLYN	UNKNOWN
9201537	241 N MAIN ST/TOP SHELF	241 N MAIN ST/TOP SHELF	BROOKLYN	UNKNOWN
9111782	ATLANTIC OCEAN	ATLANTIC OCEAN	BROOKLYN	UNKNOWN
9110729	GRAVESEND BAY	GRAVESEND BAY	BROOKLYN	UNKNOWN
8902282	PIER #2/PORTS & TRADES	PIER #2/ BROOKLYN	BROOKLYN	UNKNOWN
8607666	CHEVRON STATION / BROOKLYN	CHEVRON/DRUM	BROOKLYN	UNKNOWN
8607257	CONEY ISLAND / BROOKLYN	CONEY ISLAND	BROOKLYN	11224
8606856			BROOKLYN	UNKNOWN
8603352	CONEY ISLAND	CONEY ISLAND	BROOKLYN	UNKNOWN
8600231	PAINT DRUMS	CONEY IS. RECREATION AREA	BROOKLYN	11224
1100197	ROADWAY	BELT PKWY	BROOKLYN	UNKNOWN
1012925	ROADWAY	WASHINGTON PLAZA	BROOKLYN	UNKNOWN
1012478	CONSTRUCTION SITE BELT PARKWAY/PAERDEGAT BRIDGE	BELT PARKWAY	BROOKLYN	UNKNOWN
1012275	RAMP A ON ROCKAWAY PARKWAY CONSTR SITE	ROCKAWAY PARKWAY	BROOKLYN	UNKNOWN
1011322	BELT PARKWAY CONSTRUCTION	FRESH CREEK BASIN	BROOKLYN	UNKNOWN
1009644	ROADWAY	WASHINGTON PLAZA	BROOKLYN	UNKNOWN
1009160	221981; W 5 ST	W 5 ST	BROOKLYN	UNKNOWN
1009088	221422; S NY AVE	S NY AVE	BROOKLYN	UNKNOWN
1006504	NYCT LUBRICATING OIL SPILL	BROOKLYN AVE & E 71ST ST	BROOKLYN	UNKNOWN
1006459	HYDRAULIC OIL LINE LEAK	BELT PARKWAY	BROOKLYN	UNKNOWN
1005512	NEWTOWN CREEK-BUCKEYE PIPE	ACROSS FROM THE BUCKEYE	BROOKLYN	UNKNOWN
1003496	TM # 78	NORTHSIDE OF MONTROSE AVE	BROOKLYN	UNKNOWN
1001997	IN THE INLET	ACROSS FROM BELTPARK WAY ELDERS	BROOKLYN	UNKNOWN
0914424	218248; YORK STREET AND GREEN LANE	YORK STREET AND GREEN LANE	BROOKLYN	UNKNOWN
0912508	REGULATOR OH-6	BROOKLYN ARMY TERMINAL	BROOKLYN	UNKNOWN
0903615	ROADWAY	SULLIVAN ST / VAN SINBEREN AVE	BROOKLYN	UNKNOWN
0811073	TRANSFORMER VAULT	SURF AVE & 43RD ST	BROOKLYN	UNKNOWN
0808967	DRUM RUN	RYERSON AVE	BROOKLYN	UNKNOWN
0807442	BROOKLYN CRUISE TERMINAL	1 CRUIZE WAY	BROOKLYN	UNKNOWN
0805706	MANHOLE #724	YORK ST/ GREEN LANE	BROOKLYN	UNKNOWN
0712922	BREE AVE AND BRIGGS AVE	BREE AVE AND BRIGGS AVE	BROOKLYN	UNKNOWN
0706451	ONE PINT FROM AERIAL XFMR ON POLE	IN FRONT OF 230-50 EDGEWOOD AVE	BROOKLYN	UNKNOWN
0701967	SPRAGUE ENERGY TRUCK	2449 HALLWAY AVE	BROOKLYN	UNKNOWN
0701086	FORMER BUS YARD	CARLTON AVE	BROOKLYN	UNKNOWN
0701011	IN THE STREET	KENTH AVE	BROOKLYN	UNKNOWN
0611241	HESS TERMINAL	PORT STREET	BROOKLYN	UNKNOWN
0610884	PARKING LOT	909 PROMOTIONAL DEV. IND	BROOKLYN	UNKNOWN
0607043	DEP FACILITY	WEST SIDE OF DIGESTER BUI	BROOKLYN	UNKNOWN
0606084	UNKNOWN	UNKNOWN	BROOKLYN	UNKNOWN
0602892	MANHOLE#67572	BERGEN ST & CRESENT AVE	BROOKLYN	UNKNOWN
0503928	MANHOLE 23700	PALISADES AVE	BROOKLYN	UNKNOWN
0500279	MANHOLE 2546	NE CORNER OF OCEAN PKWY	BROOKLYN	UNKNOWN
0500274	GRAVES END	NEW YORK HARBOR	BROOKLYN	UNKNOWN
0406859	BUS #8401	GATES/UTICA AVE	BROOKLYN	UNKNOWN
0404174	OFFICE BUILDING	WEST FALL ST. AND AVE. W	BROOKLYN	UNKNOWN
0403889	IN THE RIVER	SHEEPSHEAD BAY AVE, AND E	BROOKLYN	UNKNOWN
0211699	IN THE 11ST ST CONDUIT	BROOKLYN SIDE OF TUNNEL	BROOKLYN	UNKNOWN
0210185	11TH ST YARD	11TH ST	BROOKLYN	UNKNOWN
0207970	OPPOSITE	1630 SEMARKS AVE	BROOKLYN	UNKNOWN
0203531		PLEASANT & METROPOLITAN	BROOKLYN	UNKNOWN
0111071	CONSTABLE HOOK REACH	LOWER NY HARBOR	BROOKLYN	UNKNOWN
0104610	CORONA YARD	UNKNOWN	BROOKLYN	UNKNOWN
0006996	SHEEPSHEAD BAY	BELT PARKWAY	BROOKLYN	UNKNOWN

0006744	MANHOLE 1570	BRIGHTON BEACH AVE/BRIGHTO	BROOKLYN	11235
8603503	CONEY ISLAND BRIDGE	CONEY ISLAND BRIDGE	CONEY ISLAND	UNKNOWN
0402144	AMBROSE ANCHORAGE	ATLANTIC OCEAN	CONEY ISLAND	UNKNOWN
0813847	KSEA - HUDSON MARINE BARGE SPILL	ATLANTIC OCEAN-LOWER NY BAY	KINGS CO	UNKNOWN
9501835	LOWER NEW YORK BAY	BUOY #9 AMBROSE CHANNEL	MANHATTAN	UNKNOWN
9307139	NY HARBOR	NY HARBOR	MANHATTAN	UNKNOWN
9313150	GRAVESEND BAY - NY HARBOR	GRAVESEND BAY - NY HARBOR	NEW YORK	UNKNOWN
9312977	DDNEW YORK HARBOR ANCORAG	NEW YORK HARBOR	NEW YORK	UNKNOWN
0814187	211097; NASSAU ST AND NASSAU PL	NASSAU ST AND NASSAU PL	NEW YORK	UNKNOWN
0813250	BALLANGEN (SHIP) LAT 40"35.2N LONG 74"01.7W	GRAVES END BAY	NEW YORK	UNKNOWN
0806423	NEW YORK HARBOR OUTER ANCHORAGE.	NEW YORK HARBOR	NEW YORK	UNKNOWN
9800527	SUMMIT MARINA	BELT PARKWAY	NEW YORK CITY	11235
9706221	GRAVES END BAY	GRAVES END BAY	NEW YORK CITY	UNKNOWN
9007095	BRIGHTON BEACH AVE/BKLYN	BRIGHTON BEACH AVENUE	NEW YORK CITY	11235
9004976	CONEY ISLAND CHANNEL	CONEY ISLAND CHANNEL	NEW YORK CITY	UNKNOWN
8810118	BLDG 3 SUB STATION/BKLYN	BLDG 3 SUB STATION	NEW YORK CITY	UNKNOWN
0814069	AMBROSE CHANNEL LOWER BAY	UNK	NEW YORK CITY	UNKNOWN
9205930	NYC HARBOR	NYC HARBOR	NYC	UNKNOWN
8605967	12 HRS OFF NY COAST/VESSE	12 HRS OFF N.Y. COAST	NYC	UNKNOWN
9200260	SANDY HOOK/L I SOUND	SANDY HOOK/L I SOUND	QUEENS	UNKNOWN
0603259	GRAVES INN BAY ANCHORAGE	UNKNOWN	STAPLETON	UNKNOWN
9703851	NEW YORK HARBOR -UPPER	NEW YORK HARBOR -UPPER	STATEN HARBOR	UNKNOWN
9408572	OLD ORCHARD SCHOOL LIGHT	LOWER BAY-OLD ORCHARD SCH	STATEN ISLAND	UNKNOWN
0008453	GREAT KILLS HARBOR	RICHMOND COUNTY MARINA	STATEN ISLAND	UNKNOWN

Petroleum Bulk Storage Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
2-237280	1160 REALTY CO	1160 REALTY CO	BROOKLYN	UNKNOWN
2-289442	412 AVENUE E	412 AVENUE E	BROOKLYN	UNKNOWN
NY01070	A & B PARTNERSHIP	6 12STANTONST	BROOKLYN	11235
NY02247	BUR WATER POLLUTION		BROOKLYN	11235
NY03182	DEPT OF PARKS		BROOKLYN	UNKNOWN
NY05964	LAWRENCE B ROSENBERG	1408 OCEAN VIEW AVE SG	BROOKLYN	UNKNOWN
NY08951	SECO MANAGEMENT	B KLYN NY	BROOKLYN	UNKNOWN

Hazardous Waste Generation or Transport Facilities

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYD986889855	BAYRIDGE MAINTENANCE CORP	19TH ST CONEY ISLAND	BROOKLYN	11224
NYP000788471	USEPA	ERRD	BROOKLYN	UNKNOWN
NYP000917709	NYNEX	STILLWELL DR & HAWALL AVE	BROOKLYN	UNKNOWN
NYP000923920	NYNEX SUB SURFACE	BRIGHTON BEACH AVE/ M HOLE 45	BROOKLYN	11235
NYP000928028	CON ED - VS 5779	HIGHLAND BLVD 515 E BARBEY ST	BROOKLYN	11235
NYP000928184	CON ED-VS 0042	CAMPUS RD S/O 68'W/O HILLEL RD	BROOKLYN	11235
NYP000928275	CONSOLIDATED EDISON	875 KAGERS AVE	BROOKLYN	UNKNOWN
NYP000928846	CONSOLIDATED EDISON	MH 64217-BROOKLYN GRAND	BROOKLYN	UNKNOWN
NYP000929018	CON ED-TM 1633	E 35 ST C 245 TILDEN AVE	BROOKLYN	11235
NYP000929257	CONSOLIDATED EDISON	5 MARKS ST	BROOKLYN	UNKNOWN
NYP000930420	CON ED - V 4159	SHEPHARD AVE	BROOKLYN	11235
NYP000937037	USCG	SHELL BANK CREEK	BROOKLYN	UNKNOWN
NYP000941666	BELL ATLANTIC-NY	CONEY ISLAND AVE + BRIGHTON MH	BROOKLYN	11235
NYP000959957	VERIZON	NEPTUNE & BRIGHTON AVE	BROOKLYN	11235
NYP004046629	CONSOLIDATED EDISON	V4027-OCAEN PKY	BROOKLYN	UNKNOWN
NYP004057972	CONSOLIDATED EDISON	MH21248	BROOKLYN	UNKNOWN
NYP004059010	CONSOLIDATED EDISON	N/S	BROOKLYN	UNKNOWN
NYP004070264	CONSOLIDATED EDISON	MH12645	BROOKLYN	UNKNOWN
NYP004074357	CONSOLIDATED EDISON	MH61205	BROOKLYN	UNKNOWN
NYP004076185	CONSOLIDATED EDISON	MH7746	BROOKLYN	UNKNOWN
NYP004088738	CONSOLIDATED EDISON	MH32826-BRIGHTON BEACH /CONEY	BROOKLYN	UNKNOWN
NYP004088910	CONSOLIDATED EDISON	V7460-CONEY IL & BRIGHTON *	BROOKLYN	11235
NYP004098109	CONSOLIDATED EDISON	OCEAN PKWY	BROOKLYN	UNKNOWN

NYP004103321	CONSOLIDATED EDISON	BRIGHTON ST & BRIGHTON AVE	BROOKLYN	11235
NYP004128351	CONSOLIDATED EDISON	SACKOTT ST	BROOKLYN	UNKNOWN
NYP004134862	CONSOLIDATED EDISON	MH6673-71ST ST & 35D AVE	BROOKLYN	UNKNOWN
NYP004135448	CONSOLIDATED EDISON VS4248	BRIGHTON & BRIGHTON BEACH AVE	BROOKLYN	11235
NYP004136180	CONSOLIDATED EDISON	MH24778-E21ST CONCLAVE I	BROOKLYN	UNKNOWN
NYP004138608	CONSOLIDATED EDISON	S/E/C WILLOUGHBY LANE	BROOKLYN	UNKNOWN
NYP004182911	CONSOLIDATED EDISON MH8843	MH 884390 90 ROSS ST	BROOKLYN	UNKNOWN
NYP004183331	CONSOLIDATED EDISON MH42983	MH42983 323 TANAKING AVE	BROOKLYN	UNKNOWN
NYP004192154	CONSOLIDATED EDISON MH27077	MH27077	BROOKLYN	UNKNOWN
NYP004194494	CONSOLIDATED EDISON MH44254	MH44254 PARK AVE & SACKMAN ST	BROOKLYN	UNKNOWN
NYP004194890	CONSOLIDATED EDISON MH58388	HEGEMAN AVE & HERZL AVE	BROOKLYN	UNKNOWN
NYP004198099	CONSOLIDATED EDISON	F/O 1802 & 1809 AVE & 618 ST	BROOKLYN	UNKNOWN
NYR000077750	DASNYS & KINGSBORO COMMUNITY COLLEGE	ACADEMIC VILLAGE	BROOKLYN	11235
NYR000110403	NYCT-BRIGHTON LINE BENTS 176-251	W. BRIGHTON 1ST ST. &	BROOKLYN	UNKNOWN
NYR000110411	NYCT-BRIGHTON LINE BENTS 100-176	S. CASS PL. TO BRIGHTON 1ST ST	BROOKLYN	11235
NYR000140855	DLX INDUSTRIES	1970 INDUSTRIAL PARK ROAD	BROOKLYN	UNKNOWN
NYD982269870	PENNZOIL CO JIFFY LUBE INTERNATIONAL	92 EAST AVENUE	CONEY ISLAND	UNKNOWN
NYR000077941	NYC DOT	CONEY ISLAND	CONEY ISLAND	11234
NY0000010363	NYCDOT	N/S	N/S	UNKNOWN
NYR000067843	NEW YORK CITY DEPT PARKS & RECREATION	11 ROSENGREV AVE	N/S	UNKNOWN
NYP004028858	CONSOLIDATED EDISON	V1914-OCEAN PKWY	NEW YORK	UNKNOWN
NYP004049482	CONSOLIDATED EDISON	4 IRVING PLACE RM 300	NEW YORK	UNKNOWN
NYP004053963	CONSOLIDATED EDISON	VS3318-BRIGHTON BEACH AVE	NEW YORK	11235
NYP004054946	CONSOLIDATED EDISON	V5971-LEXINGTON AVE	NEW YORK	UNKNOWN
NYP004120424	CONSOLIDATED EDISON	TM2403-N/S MESSERLE E/O 73RD	NEW YORK	UNKNOWN
NYP004133518	CONSOLIDATED EDISON	2565 23RD ST	NEW YORK	UNKNOWN
NYP009960146	VERIZON NEW YORK INC.	W/S OCEAN PKWY MANHOLE	NEW YORK	UNKNOWN
NYP004003778	CONSOLIDATED EDISON	V815 - UNION AVE	QUEENS	UNKNOWN
NYP004025334	CONSOLIDATED EDISON	OCEAN PKY	QUEENS	UNKNOWN

Hazardous Substance Waste Sites

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NY0043	BUG, CONEY ISLAND WORKS	NEPTUNE AVENUE & SHELL ROAD	BROOKLYN	11224

Wastewater Discharges

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
NYU200022	NYCDEP OMNIBUS IV ORDER			UNKNOWN
NYU900073	NEW YORK CITY TRANSIT AUTH.			UNKNOWN

Air Releases

FACILITY ID	FACILITY NAME	STREET	CITY	ZIP
3604700124	WARBASSE HOUSES	OCEAN PKWY-BELT PKWY	BROOKLYN	11224
3604700161	MOT/ARMY	NO STREET ADDRESS	BROOKLYN	UNKNOWN
3604700354	NYC SANITATION DEPT	NO STREET ADDRESS	CONEY ISLAND	11224
NY047X4UE	SUPERIOR FIBRES INC	NO STREET ADDRESS	NO CITY NAME	UNKNOWN
NY047XAXP	SHARMONT REALTY	NO STREET ADDRESS	NO CITY NAME	UNKNOWN

Hazardous waste codes presented in individual Toxic Information Profiles are defined below.

- B002 Petroleum oil or other liquid containing 50 ppm or greater of PCBs but less than 500 ppm PCBs. This includes oil from electrical equipment whose PCB concentration is unknown, except for circuit breakers, reclosers and cable.
- D008 Lead
- F002 The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2-trichloroethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those listed in F001, F004, or F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures. (T)

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: 3/14/2011. Data obtained by Toxics Targeting: 3/14/2011.
New Facilities updated through: 3/14/2011. Data obtained by Toxics Targeting: 3/14/2011.

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: 6/28/2011. Data obtained by Toxics Targeting: 6/28/2011.
New Facilities updated to: 2/23/2011. Data obtained by Toxics Targeting: 2/23/2011.

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 Agency¹
Data attributes updated through: 4/22/2011. Data obtained by Toxics Targeting: 6/07/2011.
New facilities updated through: 4/22/2011. Data obtained by Toxics Targeting: 6/07/2011.

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: 6/28/2011. Data obtained by Toxics Targeting: 6/28/2011.
New Facilities updated to: 2/23/2011. Data obtained by Toxics Targeting: 2/23/2011.

- (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: 6/07/2011. New facilities obtained by Toxics Targeting: 6/21/2011.
Manifest transactions data updated to: 6/07/2011. Manifest transactions data obtained by Toxics Targeting: 6/21/2011.

(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 Agency¹

New facilities updated through: 4/22/2011.

Data obtained by Toxics Targeting: 6/07/2011.

Data attributes updated through: 4/22/2011.

Data obtained by Toxics Targeting: 6/07/2011.

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: 4/27/2011

New spills data obtained by Toxics Targeting: 4/27/2011

Spill attribute data through: 4/27/2011

Spill attribute data obtained by Toxics Targeting: 4/27/2011

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: 2/8/2011.

Data obtained by Toxics Targeting: 2/8/2011.

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: 6/8/2011.

Data obtained by Toxics Targeting: 6/8/2011.

Tank data updated through: 6/8/2011.

Data obtained by Toxics Targeting: 6/8/2011.

(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: 6/07/2011.

New facilities obtained by Toxics Targeting: 6/21/2011.

Manifest transactions data updated to: 6/07/2011.

Manifest transactions data obtained by Toxics Targeting: 6/21/2011.

(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 Agency¹

New facilities updated through: 4/22/2011.

Data obtained by Toxics Targeting: 6/07/2011.

Data attributes updated through: 4/22/2011.

Data obtained by Toxics Targeting: 6/07/2011.

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: 6/8/2011.

Data obtained by Toxics Targeting: 6/8/2011.

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 Conservation²

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 Agency¹

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 Planning³

Data updated through: 10/13/2010.

Data obtained by Toxics Targeting: 10/29/2010

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).

¹U. S. Environmental Protection Agency, 290 Broadway, NY, NY 10007-1866.

²NYS Department of Environmental Conservation, 625 Broadway, Albany, NY 12233.

³New York City Department of City Planning, 22 Reade St, New York, NY 10007-1216

APPENDIX E

Sanborn Fire Insurance Maps



67 Brighton 1st Lane

67 Brighton 1st Lane

Brooklyn, NY 11235

Inquiry Number: 3111515.1

June 30, 2011

Certified Sanborn® Map Report

Certified Sanborn® Map Report

6/30/11

Site Name:

67 Brighton 1st Lane
67 Brighton 1st Lane
Brooklyn, NY 11235

Client Name:

Laurel Env. Assoc., Ltd.
53 West Hills Road
Huntington Station, NY 11746



EDR Inquiry # 3111515.1

Contact: Mollie

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Laurel Env. Assoc., Ltd. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: 67 Brighton 1st Lane
Address: 67 Brighton 1st Lane
City, State, Zip: Brooklyn, NY 11235
Cross Street:
P.O. # 11-256
Project: 67 Brighton 1st Lane
Certification # 1BCA-4E4C-93F7



Sanborn® Library search results
Certification # 1BCA-4E4C-93F7

Maps Provided:

2007	2001	1991	1981	1950
2006	1996	1989	1980	1930
2005	1995	1987	1979	1920
2004	1994	1986	1977	1906
2003	1993	1983	1968	1895
2002	1992	1982	1966	

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

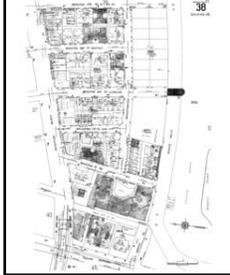
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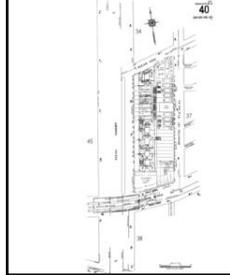
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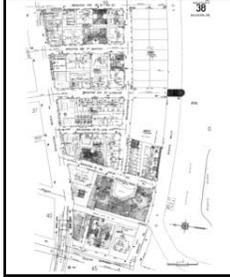


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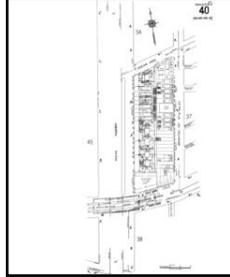
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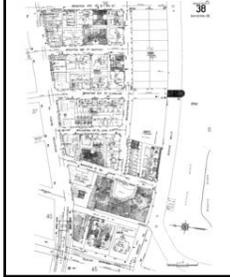


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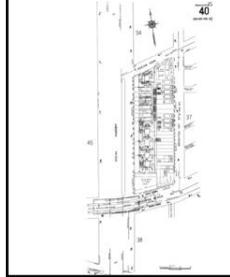
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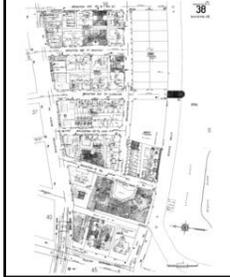


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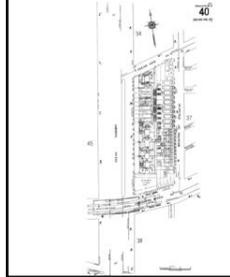
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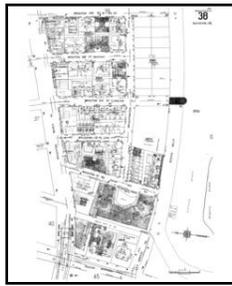


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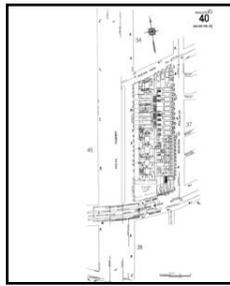
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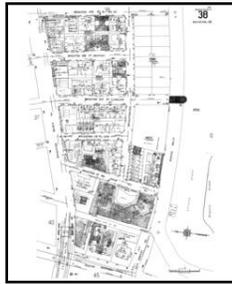


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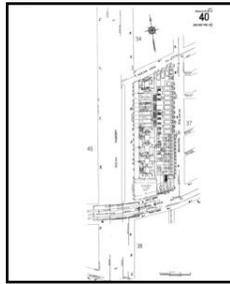
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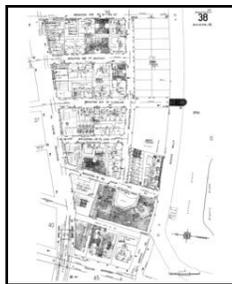


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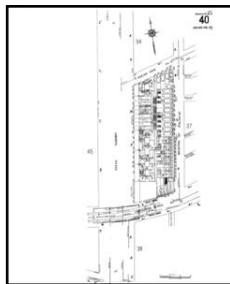
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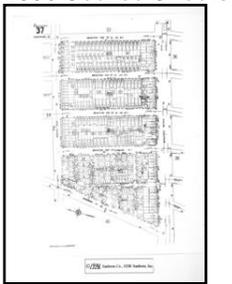


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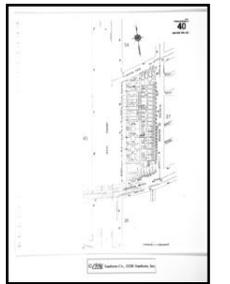
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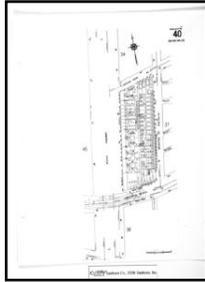
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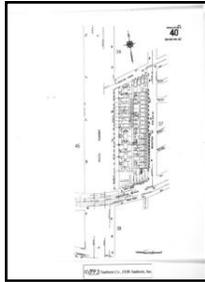
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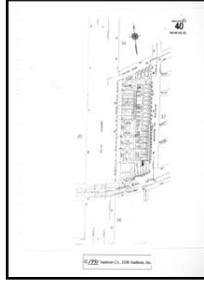
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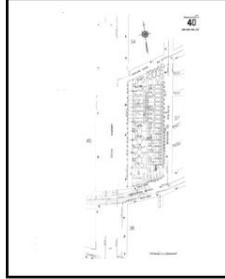
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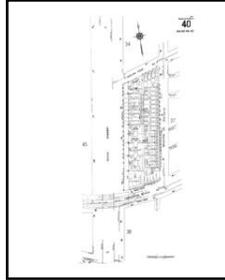
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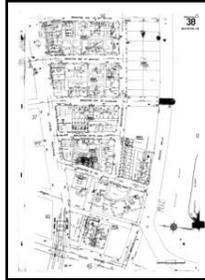


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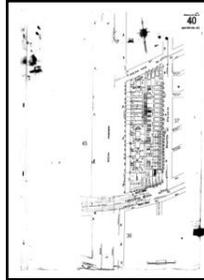
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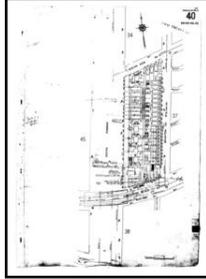
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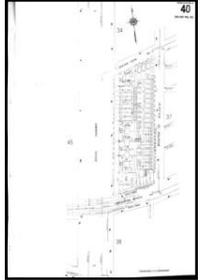
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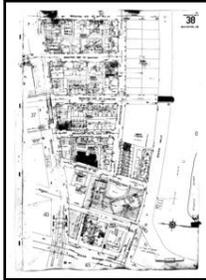


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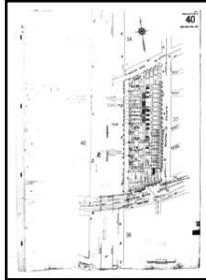
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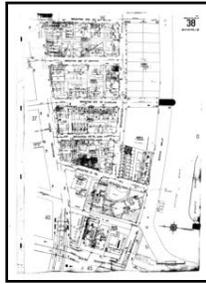


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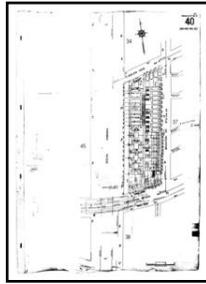
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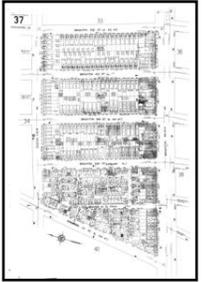


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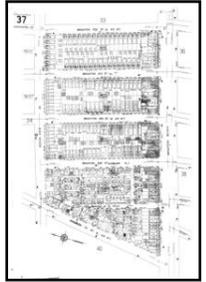


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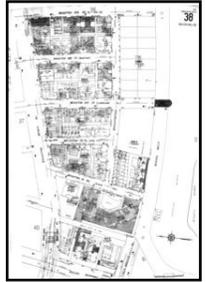
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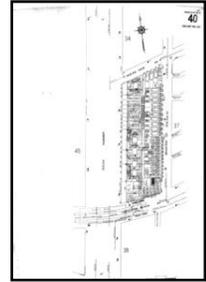
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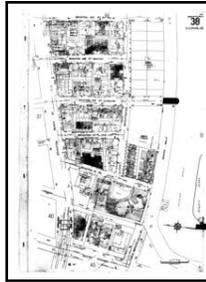


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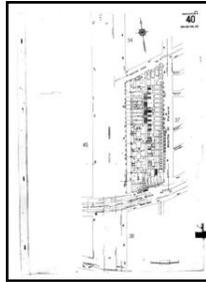
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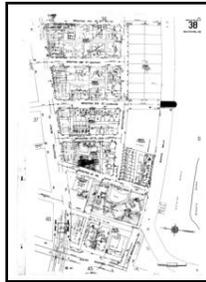


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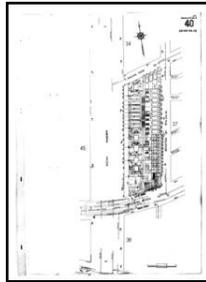
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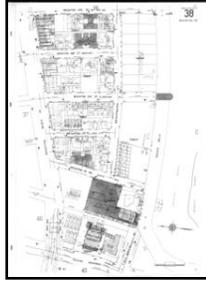


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1950 Source Sheets



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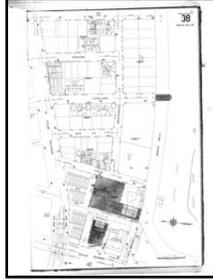


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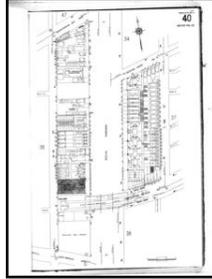
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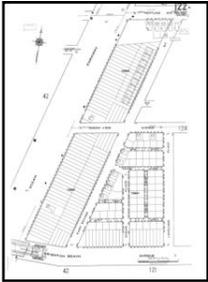


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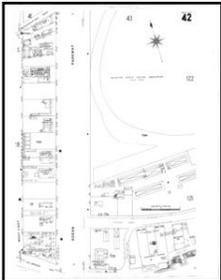
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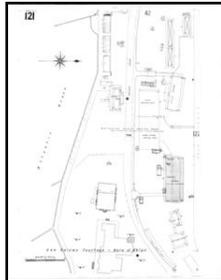


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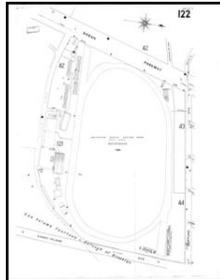
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Volume 13, Sheet 121



Volume 13, Sheet 122

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2006 Certified Sanborn Map



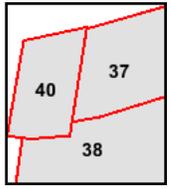
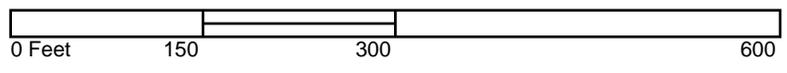
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2005 Certified Sanborn Map



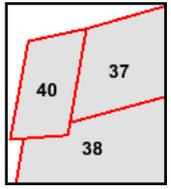
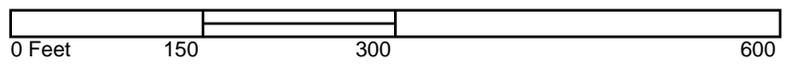
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2003 Certified Sanborn Map



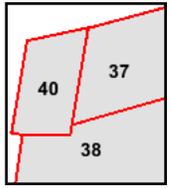
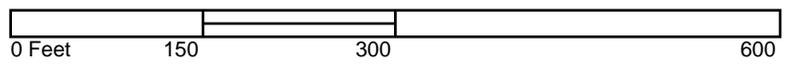
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2001 Certified Sanborn Map



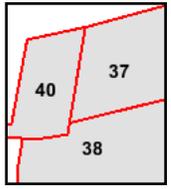
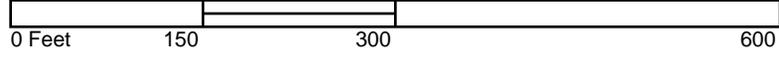
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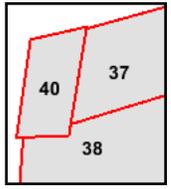
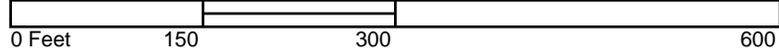
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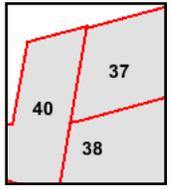
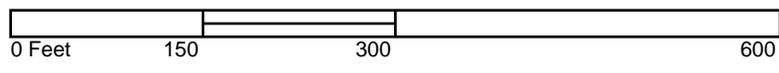
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Copyright: 1995



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1993 Certified Sanborn Map



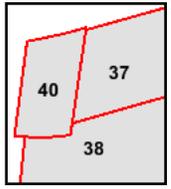
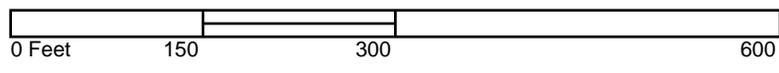
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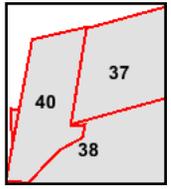
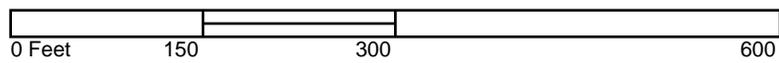
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Copyright: 1992

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1991 Certified Sanborn Map



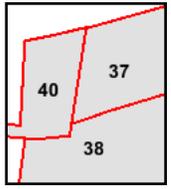
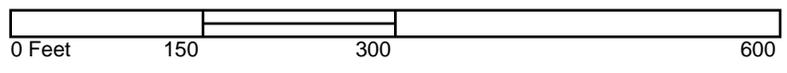
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1989 Certified Sanborn Map

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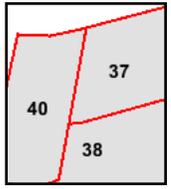
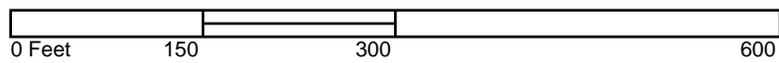
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Copyright: 1989

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1986 Certified Sanborn Map



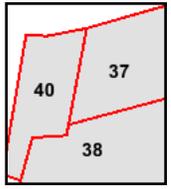
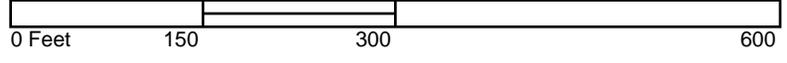
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1983 Certified Sanborn Map



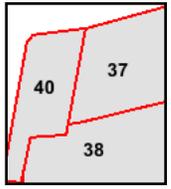
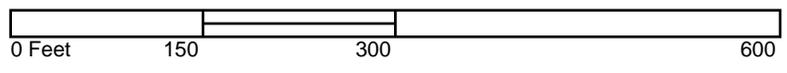
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 Copyright: 1983



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1980 Certified Sanborn Map



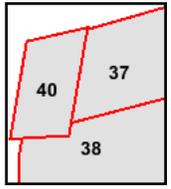
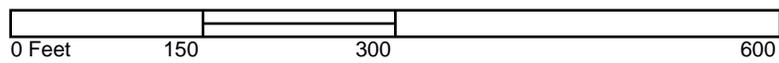
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1979 Certified Sanborn Map



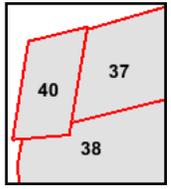
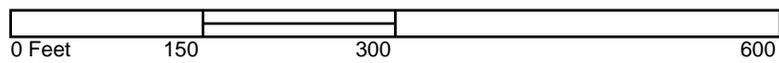
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 Copyright: 1979



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1968 Certified Sanborn Map



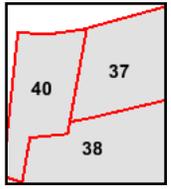
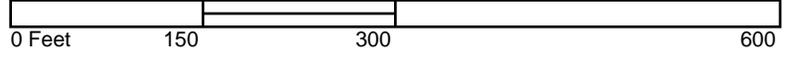
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 Copyright: 1968



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1966 Certified Sanborn Map



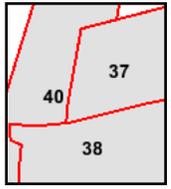
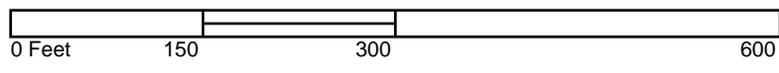
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1950 Certified Sanborn Map

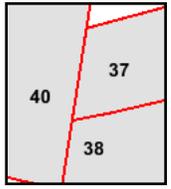
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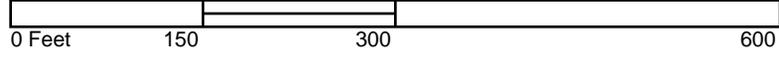
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1930 Certified Sanborn Map



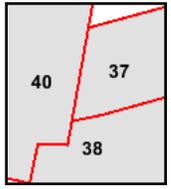
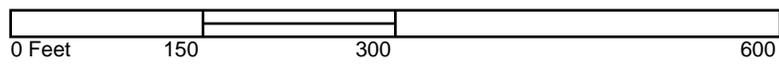
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 Copyright: 1930



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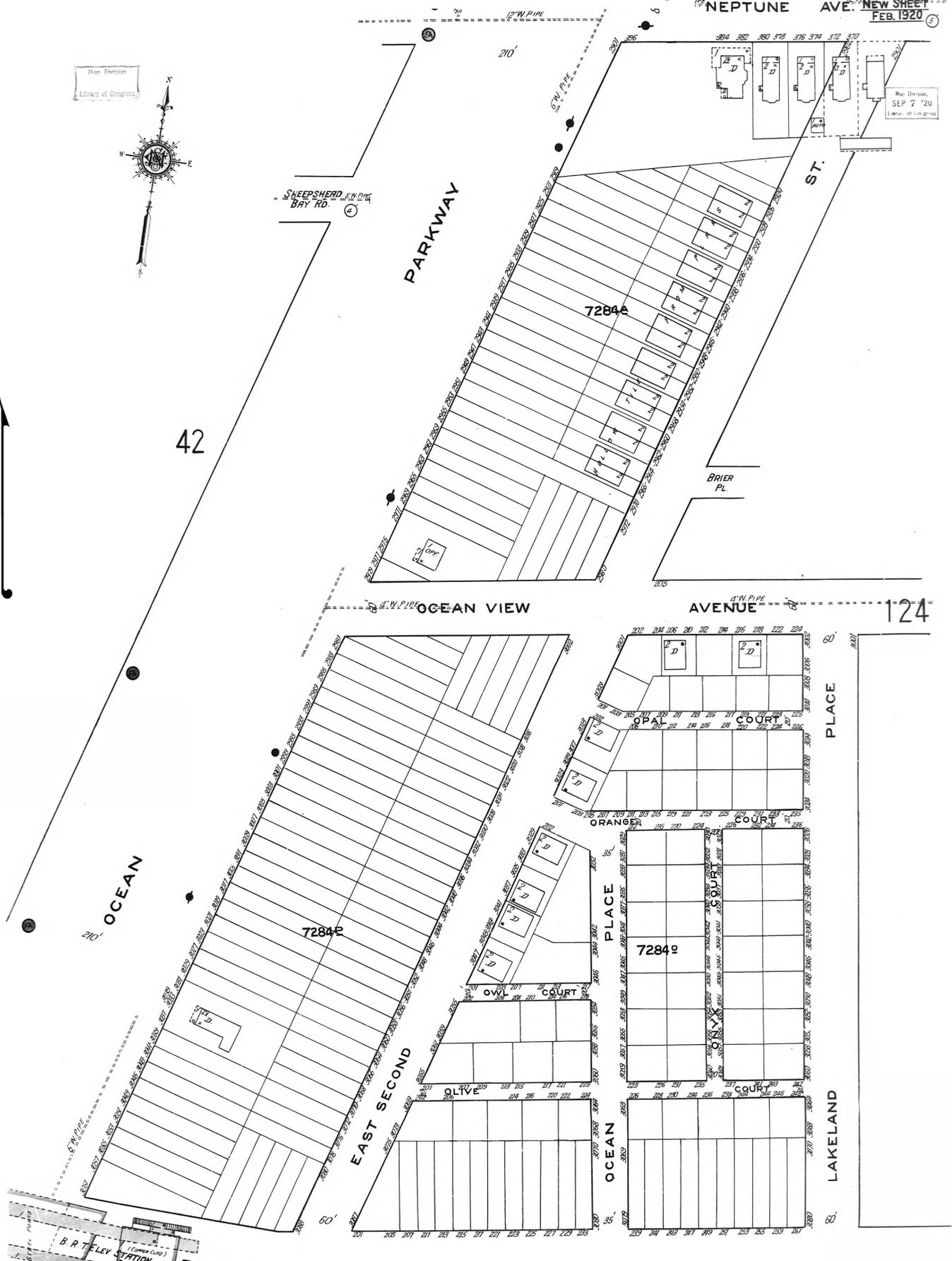
1920 Certified Sanborn Map

43
122
 JUL 23 1920
 NEPTUNE AVE. NEW SHEET
 FEB. 1920



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 Copyright: 1920



121

1906 Certified Sanborn Map

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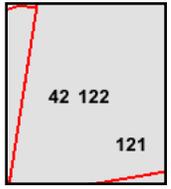
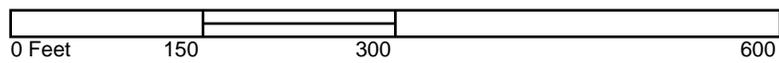
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BATH HOUSES ON PILED
 REDUCE ON FOUND.

ALL LIGHTS IN OR AROUND PARKWAY
 BATHS, BRIGHTON IN, OR ON
 BORED WALK ARE ELECTRIC.

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 Volume 13, Sheet 121
 Volume 13, Sheet 122



1895 Certified Sanborn Map

Scale 120 Feet to an Inch

182

PARKWAY

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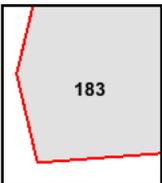
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 Order Date: 6/30/2011 6:02:00 PM
 Certification # 1BCA-4E4C-93F7

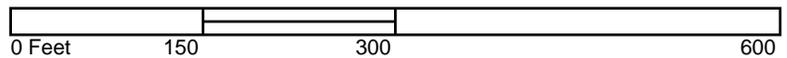
Copyright: 1895



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume B, Sheet 183



APPENDIX F

ASTM Questionnaire

Laurel Environmental Associates, Ltd.
 53 West Hills Road, Suite 1
 Huntington Station, NY 11746
 631-673-0612
 631-427-5323 fax
 www.laurelenv.com

Description of Site: Address:

Vacant Lot
 67 Brighton 1st Lane
 Brooklyn, NY

Question	Owner ⁷			Occupants (if applicable)			Observed During Site Visit	
1a. Is the <i>property</i> used for an industrial use?	Yes	No	Unk	Yes	No	Unk	Yes	No
1b. Is any <i>adjoining property</i> used for an industrial use?	Yes	No	Unk	Yes	No	Unk	Yes	No
2a. Did you observe evidence or do you have any prior knowledge that the <i>property</i> has been used for an industrial use in the past?	Yes	No	Unk	Yes	No	Unk	Yes	No
2b. Did you observe evidence or do you have any prior knowledge that any <i>adjoining property</i> has been used for an industrial use in the past?	Yes	No	Unk	Yes	No	Unk	Yes	No
3a. Is the <i>property</i> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes	No	Unk	Yes	No	Unk	Yes	No
3b. Is any <i>adjoining property</i> used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes	No	Unk	Yes	No	Unk	Yes	No
4a. Did you observe evidence or do you have any prior knowledge that the <i>property</i> has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes	No	Unk	Yes	No	Unk	Yes	No
4b. Did you observe evidence or do you have any prior knowledge that any <i>adjoining property</i> has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes	No	Unk	Yes	No	Unk	Yes	No
5a. Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of >5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the <i>property</i> or at the facility?	Yes	No	Unk	Yes	No	Unk	Yes	No

Question	Owner ⁷			Occupants (if applicable)			Observed During Site Visit	
	Yes	No	Unk	Yes	No	Unk	Yes	No
5b. Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of >5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the <i>property</i> or at the facility?	Yes	No	Unk	Yes	No	Unk	Yes	No
6a. Are there currently any industrial <i>drums</i> (typically 55 gal (208 L)) or sacks of chemicals located on the <i>property</i> or at the facility?	Yes	No	Unk	Yes	No	Unk	Yes	No
6b. Did you observe evidence or do you have any prior knowledge that there have been previously any industrial <i>drums</i> (typically 55 gal (208 L)) or sacks of chemicals located on the <i>property</i> or at the facility?	Yes	No	Unk	Yes	No	Unk	Yes	No
7a. Did you observe evidence or do you have any prior knowledge that <i>fill dirt</i> has been brought onto the <i>property</i> that originated from a contaminated site?	Yes	No	Unk	Yes	No	Unk	Yes	No
7b. Did you observe evidence or do you have any prior knowledge that <i>fill dirt</i> has been brought onto the <i>property</i> that is of an unknown origin?	Yes	No	Unk	Yes	No	Unk	Yes	No
8a. Are there currently any <i>pits</i> , <i>ponds</i> , or <i>lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?	Yes	No	Unk	Yes	No	Unk	Yes	No
8b. Did you observe evidence or do you have any prior knowledge that there have been previously, any <i>pits</i> , <i>ponds</i> , or <i>lagoons</i> located on the <i>property</i> in connection with waste treatment or waste disposal?	Yes	No	Unk	Yes	No	Unk	Yes	No
9a. Is there currently any stained soil on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk	Yes	No
9b. Did you observe evidence or do you have any prior knowledge that there has been previously, any stained soil on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk	Yes	No
10a. Are there currently any registered or unregistered storage tanks (above or underground) located on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk	Yes	No
10b. Did you observe evidence or do you have any prior knowledge that there have been previously, any registered or unregistered storage tanks (above or underground) located on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk	Yes	No
11a. Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure located on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk	Yes	No
11b. Did you observe evidence or do you have any prior knowledge that there have been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the <i>property</i> or adjacent to any structure located on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk	Yes	No
12a. Is there currently evidence of leaks, spills or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk	Yes	No

Question	Owner ⁷			Occupants (if applicable)			Observed During Site Visit	
	Yes	No	Unk	Yes	No	Unk	Yes	No
12b. Did you observe evidence or do you have any prior knowledge that there have been previously any leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring drains, walls, ceilings or exposed grounds on the property?	Yes	No	Unk	Yes	No	Unk	Yes	No
13a. If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?	Yes	No	Unk	Yes	No	Unk	Yes	No
13b. If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?	Yes	No	Unk	Yes	No	Unk	Yes	No
14. Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> have any knowledge of <i>environmental liens</i> or governmental notification relating to past or recurrent violations of environmental laws with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk		
15a. Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the past existence of <i>hazardous substances</i> or <i>petroleum products</i> with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk		
15b. Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the current existence of <i>hazardous substances</i> or <i>petroleum products</i> with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk		
15c. Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the past existence of environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk		
15d. Has the <i>owner</i> or <i>occupant</i> of the <i>property</i> been informed of the current existence of environmental violations with respect to the <i>property</i> or any facility located on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk		
16. Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> have any knowledge of any <i>environmental site assessment</i> of the <i>property</i> or facility that indicated the presence of <i>hazardous substances</i> or <i>petroleum products</i> on, or contamination of, the <i>property</i> or recommended further assessment of the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk		
17. Does the <i>owner</i> or <i>occupant</i> of the <i>property</i> know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any <i>hazardous substance</i> or <i>petroleum products</i> involving the <i>property</i> by any owner or occupant of the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk		
18a. Does the <i>property</i> discharge waste water (not including sanitary waste or storm water) onto or adjacent to the <i>property</i> and/or into a storm water system?	Yes	No	Unk	Yes	No	Unk	Yes	No

Question	Owner ⁷			Occupants (if applicable)			Observed During Site Visit	
18b. Does the <i>property</i> discharge waste water (not including sanitary waste or storm water) onto or adjacent to the <i>property</i> and/or into a sanitary sewer system?	Yes	No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
19. Did you observe evidence or do you have any prior knowledge that any <i>hazardous substances</i> or <i>petroleum products</i> , unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the <i>property</i> ?	Yes	No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	Yes	No	Unk	Yes	No	Unk	Yes	<input checked="" type="radio"/> No

Government Records/Historical Sources Inquiry

(See guide, Section 10)

21. Do any of the following Federal government record systems list the property or any property within the search distance noted below:

	Approximate Minimum Search Distance, miles (kilometers)		
Federal NPL site list	1.0 (1.6)	Yes	<input checked="" type="radio"/> No
Federal CERCLIS list	0.5 (0.8)	Yes	<input checked="" type="radio"/> No
Federal CERCLIS NFRAP site list	property and adjoining properties	Yes	<input checked="" type="radio"/> No
Federal RCRA CORRACTS facilities list	1.0 (1.6)	Yes	<input checked="" type="radio"/> No
Federal RCRA non-CORRACTS TSD facilities list	0.5 (0.8)	Yes	<input checked="" type="radio"/> No
Federal RCRA generators list	property and adjoining properties	Yes	<input checked="" type="radio"/> No
Federal ERNS list	property only	Yes	<input checked="" type="radio"/> No

22. Do any of the following state record systems list the property or any property within the search distance noted below:

	Approximate Minimum Search Distance, miles (kilometers)		
State lists of hazardous waste sites identified for Investigation or remediation:			
State — Equivalent NPL	1.0 (1.6)	Yes	<input checked="" type="radio"/> No
State — Equivalent CERCLIS	0.5 (0.8)	Yes	<input checked="" type="radio"/> No
State landfill and/or solid waste disposal site lists	0.5 (0.8)	Yes	<input checked="" type="radio"/> No
State leaking UST lists	0.5 (0.8)	<input checked="" type="radio"/> Yes	<input checked="" type="radio"/> No
State registered UST lists	property and adjoining properties	Yes	<input checked="" type="radio"/> No

23. Based upon a review of *fire insurance maps* 10.3.1.3 or consultation with the local fire department serving the *property*, all as specified in the guide, are any buildings or other improvements on the *property* or on an *adjoining property* identified as having been used for an industrial use or uses likely to lead to contamination of the *property*?

Yes No

The preparer of the *transaction screen questionnaire* must complete and sign the following. (For definition of "preparer" and "user," see 5.3 or 3.3.28.)

The *Owner* questionnaire was completed by:

Name
Title
Firm
Address

Phone number
Date
Preparer's relationship to site
Preparer's relationship to user (for example, principal, employee, agent, consultant)

The *Occupant* questionnaire was completed by:

Name
Title
Firm
Address

Phone number
Date
Preparer's relationship to site
Preparer's relationship to user (for example, principal, employee, agent, consultant)

The *Site Visit* questionnaire was completed by:

Name Thomas H. Johansen
Title Geologist
Firm Laurel Environmental Associates, Ltd.
Address 53 West Hills Road, Suite 1, Huntington Station, NY 11746

Phone number 631 673 0612
Date July 22, 2011
Preparer's relationship to site none
Preparer's relationship to user (for example, principal, employee, agent, consultant)

The *Government Records and Historical Sources Inquiry* questionnaire was completed by:

Name Thomas H. Johansen
Title Geologist
Firm Laurel Environmental Associates, Ltd.
Address 53 West Hills Road, Suite 1, Huntington Station, NY 11746

Phone number 631 673 0612
Date
Preparer's relationship to site
Preparer's relationship to user (for example, principal, employee, agent, consultant)

User's relationship to the site (for example, owner, prospective purchaser, lender, etc.)

If the preparer(s) is different from the user, complete the following:

Name of User
User's address

User's phone number

Copies of the completed questionnaires have been filed at:

Copies of the completed questionnaires have been mailed or delivered to:

Preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge no material facts have been suppressed or misstated.

Signature [Signature] Date July 22, 2011
Signature _____ Date _____
Signature _____ Date _____

APPENDIX G

Client Supplied Documents

EXPLANATION OF TERMS

SOIL SIZES			
Descriptive Term	Pass Sieve No.	Retained Sieve No.	Size Range
Clay	200	Atterberg Limits Hydrometer analysis	< .005 mm
Silt	200		.005 to .074 mm
Fine sand	40 (60)*	200	.074 to .420 mm
Medium sand	10	40	.420 to 200 mm
Coarse sand	4	10	200 to 476 mm
Gravel (fine)	-	-	4.76 mm to 3/4"
Gravel (coarse)	-	-	3/4" to 3"
Cobble	-	-	3" to 6"
Boulder	-	-	> 6"

Unified System		QUANTITATIVE ESTIMATE	
Group Symbols	Typical Name	COMPONENT PROPORTION	PERCENTAGE RANGE
GW	Well-graded gravel and sand, less than 5% fines	AND	55-60
GP	Poorly-graded gravel and sand, less than 5% fines	SOME	20-35
GM	Silty gravel and sand, more than 5% fines	LITTLE	10-20
GC	Clayey gravel and sand, more than 5% fines	TRACE	1-10
GW	Well-graded sands, gravelly sands, less than 5% fines	GRAIN SIZE ABBREVIATIONS	
GP	Poorly-graded sands, gravelly sands, less than 5% fines	F = FINE, M = MEDIUM, C = COARSE + = PREDOMINANT FRACTION (Eg. F-M+)	
GM	Silty sands, sand-clay mixtures, more than 5% fines	The descriptive size terms used in the Boring logs were arrived at by estimate only, using standard samples for visual comparison.	
GC	Clayey sands, sand-clay mixtures, more than 5% fines	These tables have been used only as an approximate guide, with latitude for interpretation and selective judgment.	
ML	low plastic silts and very fine sands, non-fluorid or clayey silts or silty sands with slight plasticity	* Special F-Sand Size, Designated in Building Code.	
CL	low plastic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, loam clays		
OL	organic silts and organic silty clays of low plasticity		
Md	medium plastic silts, micaceous or distentionous fine sandy or silty sands, dense silts		
CH	high plastic clays of high plasticity, fat clays		
OH	organic clays of medium to high plasticity, organic silts		
FI	peat and other highly organic soils		

LEGEND

BOREING LOG

SPOON SAMPLES

S = Sample Number.
 A = Elevation, top of sample. Actual depth below existing ground surface.
 B = Elevation, bottom of sample. Actual depth below existing ground surface.
 D = Number of blows required to drive sample spoon for each 6" increment of penetration, with spoon hammer falling 30".
 U = Undisturbed sample. Cg = Casing sample
 W = Wash sample. M = Missed sample
 P = Pushed by weight of hammer. N = Blows per foot
 I = Insufficient recovery of undisturbed sample, sample put in jar.
 E = Existing surface elevation assumed to be 0.00 unless otherwise specified.
 F = Primary strata boundary and elevation.

CALCULATIONS OF SOIL BEARING CAPACITY

Example: $15 + 15 = N = 30$; $0.10 \times N =$ Bearing soil capacity (in Tons per sq. ft.);
 $0.10 \times 30 = 3$ Tons per sq. ft.
 For further explanations see Subchapter 11 of NYC Building Code

CORE DRILLING

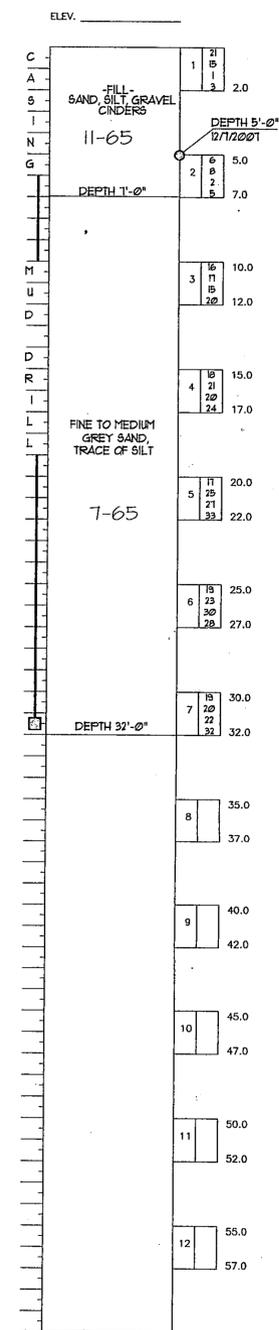
T = Elevation at start of core drilling
 L = Elevation at completion of run.

EQUIPMENT

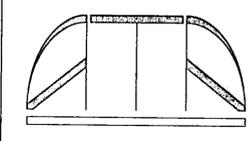
Unless otherwise noted
 Weight of casing hammer 300 lbs. Size of casing 3 inches
 Weight of spoon hammer 140 lbs. Size of sample spoon 2 x 24 inches
 Type of core barrel MUD DRILL Size of core bit inches

DATUM NOTE: All Elevations Refer to the Borough of BROOKLYN Datum, which is 2.56 Feet above Mean Sea Level at Sandy Hook as Established by the U.S. Coast & Geodetic Survey.

THIS REPORT IS SUBMITTED WITH THE SPECIFIC UNDERSTANDING THAT THE SOLE LIABILITY OF ATLAS TECHNICAL ASSOCIATES, ITS ENGINEERS AND EMPLOYEES, FOR ERRORS AND OMISSIONS IS LIMITED TO THE AMOUNT OF THE FEE PAID FOR THIS REPORT. THE USE OF THIS REPORT WILL CONSTITUTE AN ACCEPTANCE BY THE CLIENT OF THIS DISCLAIMER. THE FEE CHARGED FOR THIS REPORT IS PRECATED UPON THIS LIMITATION OF LIABILITY WHICH IS THE AGREEMENT OF THE CLIENT. IF THESE TERMS ARE NOT ACCEPTABLE, CLIENT MUST NOTIFY ATLAS TECHNICAL ASSOCIATES, INC. IN WRITING BY CERTIFIED MAIL, RETURN RECEIPT REQUESTED, WITHIN FIVE (5) DAYS. ATLAS TECHNICAL ASSOCIATES, INC., ITS ENGINEERS AND EMPLOYEES DO NOT ACCEPT ANY LIABILITY OR RESPONSIBILITY FOR PERSONS OTHER THAN THE CLIENT FOR WHOM THIS WORK WAS DIRECTLY PREPARED AND ANY SUCH PERSON, FIRM OR CORPORATION RELIES ON THIS REPORT AT HIS OWN RISK.



BORING 1

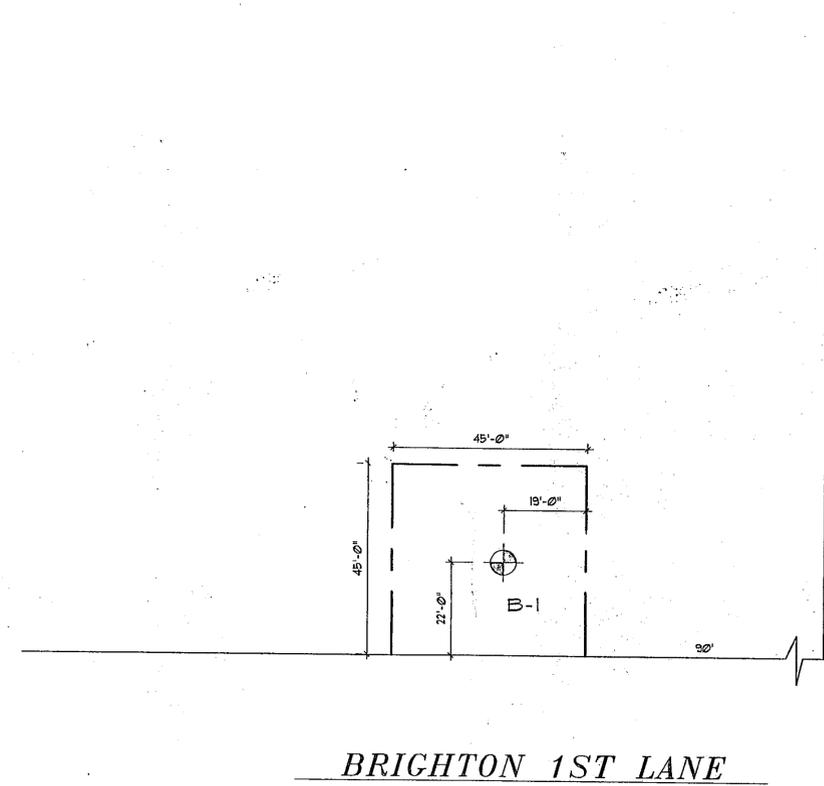


ATLAS TECHNICAL ASSOCIATES, INC.
 60 SACKETT STREET
 BROOKLYN, NY 11231

ENGINEERING INSPECTION
 BORINGS WERE INSPECTED UNDER SUPERVISION OF ANTHONY GENNARO P.E.
 AND ARE REASONABLY REPRESENTATIVE OF THE SUBSURFACE CONDITIONS



BORING RECORD	
CLIENT:	SCARANO
PROJECT:	BRIGHTON 1ST LANE BROOKLYN, NEW YORK
DATE:	DECEMBER 1, 2007
DRAWN:	JD PAGE 1 of 1



BRIGHTON 1ST LANE
 BRIGHTON 1ST PLACE
 SITE PLAN
 SCALE: 1" = 20'-0"

APPENDIX H

Personnel Qualifications

SCOTT A. YANUCK, C.E.I., C.E.S.

EDUCATION: STATE UNIVERSITY OF NEW YORK AT STONY BROOK

B.A., Earth and Space Sciences, December, 1987, Minor in Technology and Society.

M.Sc., Hydrogeology, May, 1993. Course work included classes in Geophysics, Chemical Hydrogeology, Organic Contaminant Hydrology, and Computer Modeling.

EXPERIENCE:

PRINCIPAL, MANAGING HYDROGEOLOGIST

LAUREL Environmental Associates, Ltd.

- Supervise all technical and financial operations of environmental consulting firm.
- Completed OSHA 40 Hour HAZWOPER Supervisors course, 8 Hour Refresher Courses to current.
- Completed ASTM Environmental Site Assessment training course for professionals.
- Completed NJDEPE UST Certification Program.
- Completed Mold Remediation Manage Course based on NYC DOH Guidelines
- NYS DOL Asbestos Inspector, #AH97-08528

September, 1992-present

PROJECT MANAGER, GROUP SUPERVISOR: ENVIRONMENTAL SERVICES

Richard D. Galli, P.E., P.C.

In charge of Environmental Services Group. Scope of work within group includes the following:

- Phase I Environmental Assessments.
- Phase II Environmental Assessments.
- Groundwater Contamination Studies.
- Underground Storage Tanks (UST'S): testing, removal, closure.
- Underground Injection Well Closure (UIC)
- Hazardous Site Remediation.
- State Superfund RI/FS.
- Indoor Air Quality (IAQ) studies.

In addition to performing any of the above-mentioned work, personally responsible for project management, including project setup, project review and quality control/quality assurance of proposals and reports generated by the environmental group.

PROJECT MANAGER, HYDROGEOLOGY

Richard D. Galli, P.E., P.C.

Performed all aspects of numerous Phase I Environmental Assessments.

Performed and supervised Phase II and Phase III investigations and remediation. Duties included proposal writing, historical investigations, soil and water sampling, supervision of well drilling teams, supervision of remediation work, supervision of underground storage tanks removals, groundwater studies, and report writing.

Knowledgeable in Ground Water Computer Modeling with *canned* programs as well as developing new programs. Worked to set up a GIS based system capable of mapping CERCLA and NPL site, NYSDEC Spills and Inactive Hazardous Waste Sites, etc., to aid in performing Audits.

Certified: OSHA Forty Hour HAZWOPER Course, NIOSH 582.

TECHNICIAN, FIELD AND LABORATORY

Kemron Environmental Services, Inc.

Worked as an industrial hygienist, taking air and bulk samples, and performing Indoor Air Quality (IAQ) studies. As a Polarized Light Microscopist, analyzed bulk samples for asbestos. Analyzed samples from the *Gramercy Park steam pipe explosion* and was detailed to St. Croix for on site sampling and analysis at the Hess oil refinery during the cleanup of *Hurricane Hugo*. Also worked as GC/MS and HPLC technician.

June, 1989-July, 1990 full time, continuing part time to 1993.

CONSTRUCTION SUPERVISOR, DEVELOPER

SHY Building Corporation, Huntington, NY.

Managed land development and housing construction. Scheduling and supervision of all trades necessary. Duties included the following:

- Design of drainage structures
- Design of buildings/renovations
- Surveying in conjunction with road/drainage construction.
- Property acquisition.
- Submitted applications for subdivision, building permits, and sanitary/water permits to Town and County agencies.
- Supervision of UST installations.
- Geotechnical and environmental inspections of properties/building sites.
- Energy efficient building design and implementation.

AFFILIATIONS

Air & Waste Management Association

American Institute of Professional Geologists

American Society for Testing and Materials

Active Committee Member E-40, Subsurface Investigations

Active Committee Member E-50, Environmental Assessment

Active Committee Member E-50.1, Underground Storage Tanks

Environmental Assessment Association, Certified Environmental Inspector and Specialist, #12200.

Hazardous Materials Control Resources Institute

Huntington Chamber of Commerce

Huntington Historical Society

Long Island Association

Long Island Builders Institute

Long Island Geologists

National Fire Protection Association

National Ground Water Society

New York State Council of Professional Geologists

CAITLIN E. MILLS

EXPERIENCE

Environmental Scientist, Laurel Environmental Associates, Ltd., Huntington, NY

October 2007 - Present

- Phase I Environmental Site Assessments
- Phase II Subsurface Soil, Soil Vapor, and Groundwater Investigations
- Sub-Slab Soil Vapor and Indoor Air Quality (IAQ) studies
- Groundwater Quality Investigations
- Underground Injection Well Closure (UIC)
- Underground Storage Tank (UST) removals, abandonments, and spill closures
- Hazardous site remediation

FIELD SKILLS:

- Various methods of soil, soil vapor, and groundwater sampling and monitoring
- Assists with truck-mounted, track mounted, and portable Geoprobe® machines and associated tooling
- Assists with ground penetrating radar, magnetic, pipe locating equipment, and utility surveys
- Assists with direct push and hollow stem auger monitoring well installation
- Experienced with various field screening and monitoring equipment: such as Photoionization Detector and water quality instruments
- Supervises leaching pool and UIC structure remediations and UST removals

OFFICE SKILLS:

- Ordering of town, county, state, and federal agency applications
- Writing and preparing numerous Transaction Screen, Phase I, and Phase II reports
- Writing and preparing letters regarding spill closures, tank abandonments, addendums, etc
- Maintain and organize the historical document library

EDUCATION

BS Environmental Science concentration: Biology, May 2007.

- State University of New York (SUNY) Oneonta

RELATED COURSES:

- Environmental Science I & II, Geology, Earth Science, Chemistry I & II, Physics, Ecology, Biology, Statistics, Environmental Techniques, Technical Science Writing, Aquatic Pollution, Waste Management, and Environmental Impact Analysis.

RELATED QUALIFICATIONS & ACTIVITIES:

- Completed OSHA 24 Hour HAZWOPER Certification
- Member of American Museum of Natural History
 - Internship at Southwestern Research Station, Portal Arizona. July 2006
- Member of Volunteers for Wildlife
- Member of Huntington Audubon Society

STEVEN C. BITETTO

EXPERIENCE

Environmental Technician, Laurel Environmental Associates, Ltd., Huntington, NY

October 2006 - Present

- ❑ Phase II Subsurface Soil, Soil Vapor and Groundwater Investigations
- ❑ Remediation/Phase III projects
- ❑ Sub-Slab Soil Vapor and Indoor Air Quality (IAQ) studies
- ❑ Groundwater Quality Investigations
- ❑ Underground Injection Well Closure (UIC)
- ❑ UST removals, abandonments and spill closures
- ❑ Hazardous site remediation

FIELD SKILLS:

- ❑ Performs various methods of soil, soil vapor and groundwater sampling, groundwater monitoring
- ❑ Experienced with truck-mounted, track mounted and portable Geoprobe® machines and tooling
- ❑ Supervises ground penetrating radar, magnetic and utility surveys
- ❑ Supervises leaching pool remediations
- ❑ Performs and supervises direct push and hollow stem auger monitoring well installation
- ❑ Experienced with various field screening and monitoring equipment such as Photo Ionization Detector and water quality instruments
- ❑ Experienced with magnetic and pipe locating equipment

RELATED QUALIFICATIONS

- ❑ Completed OSHA 40 HOUR HAZWOPER with confined space, 8 Hour Refresher Course to current
- ❑ OSHA HAZWOPER physical to current

THOMAS H. JOHANSEN

EXPERIENCE

Geologist, Laurel Environmental Associates, Ltd., Huntington, NY

August 2008 – Present

- ❑ Phase I Environmental Site Assessments
- ❑ Phase II Subsurface Soil, Soil Vapor, and Groundwater Investigations
- ❑ Remediation/Phase III projects and reports
- ❑ Sub-Slab Soil Vapor and Indoor Air Quality (IAQ) studies
- ❑ Groundwater Quality Investigations
- ❑ Underground Injection Well Closure (UIC)
- ❑ Underground Storage Tank (UST) removals, abandonments, and spill closures
- ❑ Hazardous site remediation

FIELD SKILLS:

- ❑ Performs various methods of soil, soil vapor and groundwater sampling
- ❑ Experienced with truck-mounted, track mounted and portable Geoprobe® machines and tooling
- ❑ Supervises ground penetrating radar, magnetic and utility surveys
- ❑ Supervises leaching pool remediation
- ❑ Performs and supervises direct push and hollow stem auger monitoring well installation
- ❑ Experienced with various field screening and monitoring equipment such as Photo Ionization Detector and water quality instruments
- ❑ Experienced with magnetic and pipe locating equipment
- ❑ Completed OSHA 40-Hour HAZWOPER Training program, 8 Hour Refresher Courses to current.

EDUCATION

BS Geology, May 2008.

- ❑ Hofstra University, New York

RELATED COURSES

- ❑ Environmental Science I, Geology I & II, Hydrogeology, Petrography, GeoChemistry, Cartography, Sedimentation, Stratigraphy, Chemistry I & II, Physics I & II, Biology, Computer Science I, Calculus I & II.

CHRISTOPHER J. CONNOLLY

EDUCATION

BSc Music Technology and Audio Systems Design

- ❑ University of Derby, Derbyshire, United Kingdom

EXPERIENCE

Environmental Scientist, Laurel Environmental Associates, Ltd., Huntington, NY

December 2010 – Present

- ❑ Phase I & II Environmental Site Assessments
- ❑ Phase II Subsurface Soil, Soil Vapor and Groundwater Investigations

Environmental Consultant, Vibroek Limited, Heanor, Derbyshire, United Kingdom

September 2008 – April 2010

- ❑ Occupation Noise and Dust Monitoring
- ❑ Environmental Site Noise and Dust Monitoring
- ❑ Compliance Noise Monitoring

FIELD SKILLS:

- ❑ Experience with various forms of noise monitoring equipment such as; Casella and Cirrus Sound Level Meters, and Personal Dosimeter badges.
- ❑ Experience using personal and environmental particulate dust monitoring apparatus, such as; personal air flow pumps, cyclone filter heads, filters and weighing balance.
- ❑ Experience performing personal and environmental noise and dust monitoring, as well as compliance noise monitoring.
- ❑ Working knowledge of the aggregate industry including; Quarrying practices, machinery and equipment and concrete, asphalt and block production methods.
- ❑ Knowledge of noise and dust suppression, protection and reduction methods including; Personal Protective Equipment (hearing protection and dust masks), dust extraction, acoustic dampening and general safe work practices.

APPENDIX B

Health and Safety Plan



INTERIM REMEDIAL MEASURES
HEALTH AND SAFETY PLAN

VACANT NYC BROWNFIELDS SITE
67 Brighton 1st Lane, Brooklyn
NEW YORK 11561

July 7, 2011
LEA PROJECT # 11-256



Sheila Bubka, CIH
Health and Safety Officer
AIHA Certification Number 6111

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**HEALTH AND SAFETY PLAN
FOR USE DURING REMEDIAL INVESTIGATION REPORT**

1.0 PURPOSE

The purpose of this Health and Safety Plan (HASP) is to assign responsibilities, establish minimum personnel protection standards and operating procedures and provide for contingencies that may arise while operations are being performed at the subject site, 67 Brighton 1st Lane, Brooklyn, New York. The proposed Remedial Investigation Report (RIR) will include the excavation and off-site treatment/disposal of impacted soils, collection of endpoint samples, restoration of the excavation and completion and upstart of a soil vapor extraction (SVE) system; all as described in the Work Plan.

Laurel Environmental Associates, Ltd. (LEA) and its subcontractors will be responsible for providing materials, equipment and labor required by the HASP. The protocols of the HASP will be followed by all personnel involved in the work, including employees and agents of Contractors, Subcontractors and Owner. Mr. Scott Yanuck, *LEA* Hydrogeologist is the Project Manager, Sheila Bubka is the Health and Safety Officer, and Carla Sullivan is the Quality Assurance/Quality Control Officer for the project.

This HASP establishes the minimum level of personnel protection. Additional measures will be implemented if necessary to protect personnel involved in the work and the public at large.

Conditions at the site are not expected to warrant either Level B or Level C protection during the investigation based on known site conditions. Regardless, all workers present on site will be familiar with proper protection procedures and the HASP. All personnel scheduled to work at the site are 40-hour OSHA HAZWOPER CFR 1910.120 trained, with 8-hour refreshers up to date.

Given the scope of the work, and the type of contaminants on-site, there is a low potential of the surrounding community being negatively impacted by activities which will be conducted during this investigation. *Laurel Environmental Associates, Ltd.* will take every possible step to avoid any type of negative impact.

The Site is currently a vacant fenced lot. Soils will be field screened with a Photoionization Detector (PID) to determine the presence of organic contamination. If an emergency occurs during the measures, which in any event may impact the surrounding community, all appropriate emergency resources listed under the Emergency Contingency Plan Section of this plan will be immediately notified.

2.0 HAZARD EVALUATION

Elevated levels of volatile organic compounds (VOCs) in the atmosphere are not expected to occur during on-site activities. However, the presence of VOCs will be evaluated using a Photoionization Detector (PID). Results from the air monitoring will determine if Level D personnel protection of workers is appropriate or a higher level of protection is required.

During all activities, *LEA* personnel will monitor the area around the excavation using a PID to ensure that the appropriate worker protection is maintained for the level of pollutants found. If air monitoring indicates contaminant concentrations pose a risk to workers, the area will be immediately evacuated. Guidelines that will be followed before continuing are noted in Table 1 on the following page. If conditions warrant, Level B and C protection will be worn.

Table 1
Atmospheric Hazard Guidelines

<u>Hazard</u>	<u>Monitoring Equipment</u>	<u>Measured Level</u>	<u>Action</u>
Explosive Atmosphere	Combustible Gas Indicator	<10% LEL	Continue investigation.
		10%-20% LEL	Continue on-site monitoring with extreme caution as higher levels are encountered.
		>20% LEL	Explosion hazard. Withdraw from area immediately.
Oxygen	Multi RAE	Oxygen conc. <19.5%	Withdraw from area. NOTE: Combustible gas readings are not valid in atmosphere with oxygen levels of less than 19.5%
		19.5% - 23.5%	Continue investigation with caution.
		>23.5%	Fire hazard potential. Discontinue investigation. Withdraw from area.
Organic gases and vapors	PID	Background	Continue work
		5 ppm	Temporarily halt work until average readings drop below 5 ppm
		5 - 25 ppm	Halt work, identify and remedy or abate source
		Above 15 ppm	Continue work once average readings drop below 5 ppm Work must be shut down. Evaluate alternative approaches

Notes:

1. LEL = Lower Explosive Limit

3.0 SITE CONTROL

3.1 Site Work Locations:

Activities involving soil, groundwater and soil vapor sampling will be performed within the fenced boundaries of the property. The work areas are the locations in which the actual activities will occur. Workers entering these areas are required to be protected as defined below. Only authorized personnel, including personnel conducting the work activities involved, and specialized personnel such as subcontractors engaged in well installation and operation of heavy equipment, will be allowed in the work areas. Within the work areas, the levels of protection will be determined based on the degree of hazard present, as detected by the measurements obtained with the PID, and/or other activity-specific monitoring equipment. As an engineering control, a regenerative air blower may be used to reduce the potential for dangerous concentrations of VOCs in the breathing zone near the excavation, if warranted.

3.2 Work Zones:

Work zones will be defined prior to the commencement of work activities. These work zones will limit equipment, operations and personnel in the areas as defined below:

Exclusion Zone - This shall include all areas where potential environmental monitoring has shown or is suspected that a potential chemical hazard may exist to workers. This will include down-wind locations. If a chemical hazard exists at downwind locations, the exclusion zone will be expanded as necessary. The level of PPE required in these areas shall be determined by the Site HSO after air monitoring and on-Site inspection has been conducted. The area shall be clearly delineated from the decontamination area. As work proceeds, the delineation boundary shall be relocated as necessary to prevent the accidental contamination of nearby people and equipment.

Contamination Reduction Zone - This zone will occur at the interface between the Exclusion Zone ("Hot Zone") and Support Zone ("Clean Zone") and shall provide a transfer of personnel and equipment to and from the Support Zone to the Exclusion Zone. This zone is for the decontamination of personnel and equipment prior to entering the Support Zone, and for the physical segregation of the Support Zone and Exclusion Zone. The contamination reduction zone will be placed along the rear alleyway, as close to the Site as possible. Access to the alleyway by the public and employees of commercial business will be restricted during the RIR.

Support Zone - This area is the remainder of the work Site and project Site. The support zone will be staged near company vehicles on East Park Avenue and/or East Chester Street.

The function of the Support Zone includes:

- A. An entry area for personnel, material and equipment to the Exclusion Zone of site operations through the Contamination Reduction Zone
- B. An Exit for decontamination personnel, materials and equipment from the "Decon" area of Site operations
- C. The Housing of Site special services
- D. A storage area for clean safety and work equipment

Small decontamination areas may be set up adjacent to the work area to facilitate decontamination of equipment that is reused throughout the field activity.

3.3 Dust and Odors:

If during sampling, dust or odors emanating from contaminated soils are deemed excessive at adjoining properties and commercial businesses, the sampling process will include misting with water to keep dust levels to a minimum.

3.4 Security:

Periodic security patrols will be conducted to ensure that adequate security is being maintained. Only workers authorized by the field manager may be allowed to enter the Site. Warning signs will be posted to discourage entry by unauthorized personnel. The HSO will brief all visitors of all security and safety plans.

At the end of each work day, the site will be secured with a locked gate and 6 foot chain link fencing.

3.5 Site Communications:

Communications on-Site will be conducted through verbal communications. When out of audible range, verbal communications may be assisted using mobile telephones and two-way radios.

4.0 PERSONAL PROTECTIVE EQUIPMENT

All on-site workers will be familiar with proper protection procedures and this Health and Safety Plan. Level D personal protective clothing will be worn at the outset.

As stated above Level B or C protection will be worn as required. General descriptions of Level C and B protection are presented in Tables 2 and 3 on the following page, respectively. If it is necessary to wear Level B or C protection, the work area shall be separated into three Zones: an Exclusion Zone, a Contamination Reduction Zone, and a Support Zone. No one but protected personnel shall be in the Exclusion and Contamination Reduction Zones. An entrance and exit point shall be designated and monitored to ensure that no unauthorized personnel enter the area. Everyone that enters the area shall log in the field note book with the length of time spent in the area and the task performed noted.

All workers shall wear gloves when handling soil/sludge and apparatus. Gloves shall also be worn while cleaning the sampling equipment.

If any personnel must be lowered into a confined spaces additional procedures must be followed. *LEA* will provide the confined space procedures. *LEA* will monitor the confined space prior to entry and complete the confined space permit. If needed, dilution or exhaust ventilation will be provided to lower contaminant levels.

All persons working in the confined space must have confined space awareness training and a confined space supervisor must be present. *LEA* will perform continuous air monitoring for oxygen, flammability and toxins. At a minimum, carbon monoxide and hydrogen sulfide will be monitored in addition to other site-specific chemicals determined to be a hazard. All personnel working in or monitoring the confined space activities must be properly OSHA confined space entry trained. An approved safety harness and tripod will be employed. Personnel at grade will be constantly monitoring the worker in the pool for signs of fatigue, heat stress or behavior change.

Table 2
LEVEL C PROTECTION

1. Full-face or half-mask, air purifying, canister equipped respirators (NIOSH approved) for those contaminants present.
2. Hooded chemical resistant clothing: (overalls; two-piece chemical-splash-suit; disposable chemical-resistant overalls).
3. Coveralls*
4. Gloves, outer, chemical-resistant
5. Gloves, inner, chemical-resistant
6. Boots (outer), chemical-resistant, steel toe and shank
7. Boot-covers, outer, chemical-resistant, (disposable)*
8. Hard hat
9. Escape mask*
10. Two-way radios (worn under outside protective clothing)
11. Face shield*

*Optional, as applicable.

Table 3
LEVEL B PROTECTION

1. Pressure-demand, full-faceplate self-contained breathing apparatus (SCBA), or pressure demand supplied air respirator with escape SCBA (NIOSH approved)
2. Hooded chemical-resistant clothing (overalls and long-sleeved shirts) jacket; coveralls; one or two-piece chemical-splash suit; disposable chemical-resistant overalls).
3. Coveralls*
4. Gloves, outer chemical-resistant
5. Gloves, inner, chemical-resistant.
6. Boots, outer, chemical resistant steel toe and shank
7. Boot-covers, outer, chemical-resistant (disposable)
8. Hard hat
9. Two-way radios (worn inside encapsulating suit)
10. Face shield*

* Optional, as applicable

5.0 PERSONNEL SAFETY/HYGIENE

The safety practices to be followed by all on-site personnel include:

1. If Level B or C protection must be worn, eating, drinking, chewing gum or tobacco, smoking or any practice that increases the probability of hand-to-mouth transfer and ingestion of materials is prohibited in the Exclusion and Contamination Reduction Zones. All workers must be trained, medically qualified and fit tested in the use of respirators.
2. Hands and face must be thoroughly washed before eating, drinking or any other personal hygiene activities.
3. No excessive facial hair, which interferes with a satisfactory fit of the mask to face seal, is allowed for personnel to wear respiratory protective equipment.

6.0 PERSONNEL TRAINING

At the start of the job before engaging in any work, all personnel will be briefed on the following:

1. The person in charge as safety officer
2. Boundaries, entry and exit point locations of the work zones, if established
3. Use of personnel protection equipment
4. Principles of personnel hygiene
5. Location of first-aid equipment
6. Evacuation procedures to be followed in case of emergencies
7. Heat stress symptoms. All personnel will be advised to watch for signs of heat stress.

New personnel will be briefed on the same points prior to starting work at the site.

7.0 DECONTAMINATION PROCEDURES

If Level B or C protection is worn, decontamination procedures shall be performed in the Contamination Reduction Zone. All disposable garments and spent cartridges/canisters from respiratory equipment will be stored, transported, and properly disposed of in DOT approved 55-gallon drums. Potentially contaminated equipment will be cleaned before leaving the site.

8.0 EMERGENCY CONTINGENCY PLAN

In the event of physical injury, the safety officer or any other qualified person will initiate first aid and, if necessary, call the ambulance. If a chemical exposure is encountered, a physician will be informed, as specifically as possible, of the chemical(s) to which the person had been exposed and the toxicological properties of the chemical(s).

In case of any emergency, the following resources might need to be contacted:

A. Local Resource

Fire Department: **911**

Police Department: **911**

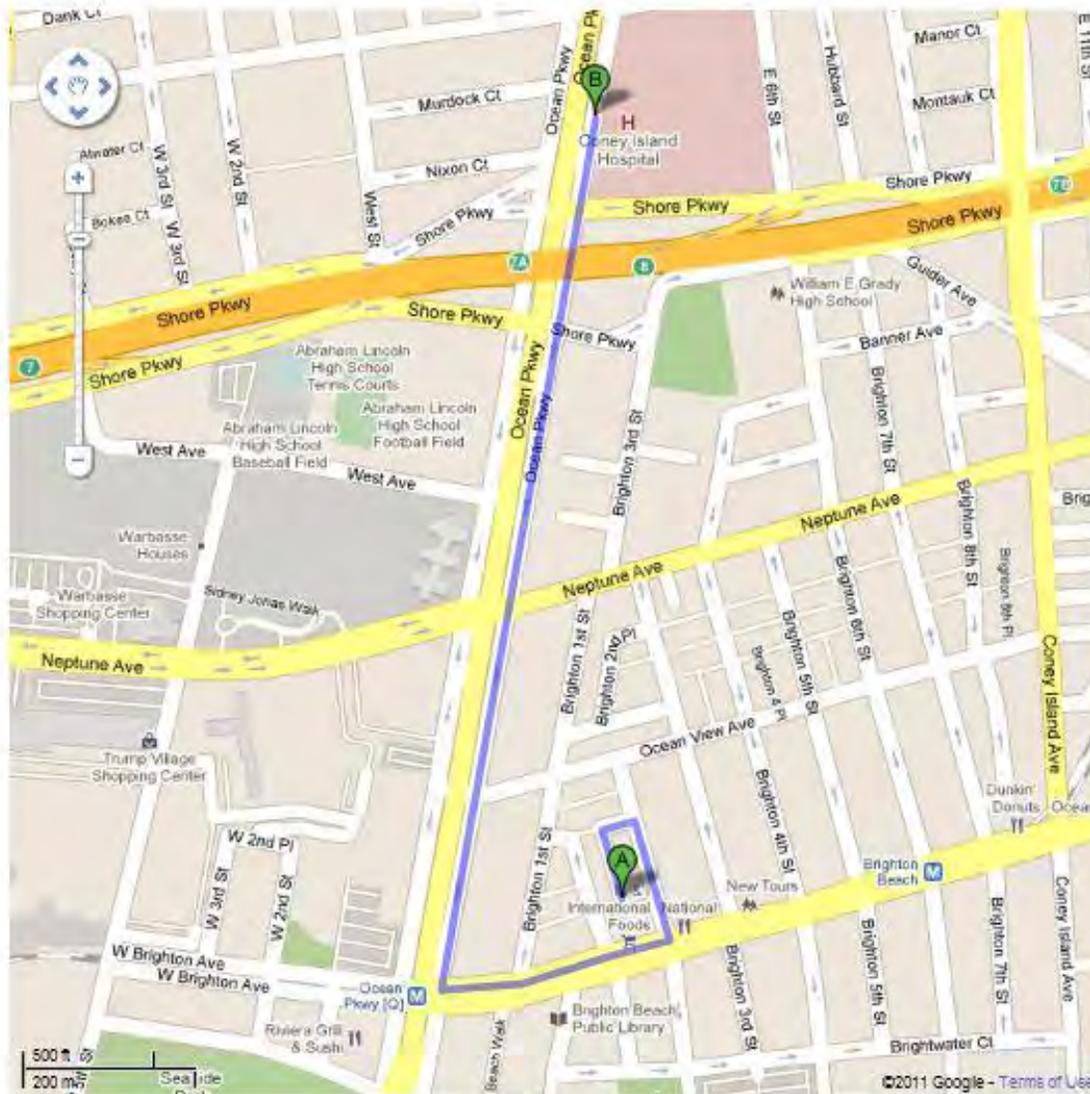
B. Hazardous Waste Spills

New York State Department of Environmental Conservation **1-800-457-7362**

New York City Health, **212-788-5099**

Laurel Environmental Associates, Ltd.: Nights and Weekend Emergencies **516-971-6332**

C. Hospital



A 67 Brighton 1 Path, Brooklyn, NY 11235

1. Head north on Brighton 1 Path/Brighton 1st Path toward Brighton 1st Walk go 278 ft
total 278 ft
- ➡ 2. Take the 1st right onto Brighton 1st Walk go 131 ft
total 407 ft
- ➡ 3. Turn right onto Brighton 2nd St go 479 ft
total 0.2 mi
- ➡ 4. Turn right onto Brighton Beach Ave go 0.2 mi
total 0.3 mi
About 1 min
- ➡ 5. Take the 3rd right onto Ocean Pkwy go 0.8 mi
total 1.0 mi
Destination will be on the right
About 3 mins

B Coney Island Hospital
2601 Ocean Parkway, Brooklyn, NY 11235 - (718) 616-3000

9.0 HEAT STRESS CASUALTY PREVENTION PLAN

A. Identification and Treatment

1) HEAT EXHAUSTION

Symptoms: Usually begins with muscular weakness, dizziness and a staggering gait. Vomiting is frequent. The bowels may move involuntarily. The victim is very pale, his/her skin is clammy and he/she may perspire profusely. The pulse is weak and fast, breathing is shallow. He/she may faint unless he/she lies down. This may pass, but sometimes it remains and death could occur.

First Aid: Immediately remove the victim to a shady or cool area with good air circulation. Remove all protective outerwear. Call a physician. Treat the victim for shock. (Make him lie down, raise his feet 6-12 inches, and keep him warm but loosen all clothing). If the victim is conscious, it may be helpful to give him sips of a salt water solution (1 teaspoon of salt to 1 glass of water). Transport victim to a medical facility.

2) HEAT STROKE

Symptoms: This is the most serious of heat casualties due to the fact that the body excessively overheats. Body temperatures are often are between 107°-110° F. There is often pain in the head, dizziness, nausea, oppression, and a dryness of the skin and mouth. Unconsciousness follows quickly and death is imminent if exposure continues. The attack will usually occur suddenly.

First Aid: Immediately evacuate the victim to a cool and shady area. Remove all protective outer wear and all personal clothing. Lay him on his back with the head and shoulders slightly elevated. It is imperative that the body temperature be lowered immediately. This can be accomplished by applying cold wet towels, ice bags, etc., to the head. Sponge off the bare skin with cool water or rubbing alcohol, if available, or even place him in a tub of cool water. The main objective is to cool him without chilling him. Give no stimulants. Transport the victim to a medical facility as soon as possible.

B. Prevention of Heat Stress

- 1) One of the major causes of heat casualties is the depletion of body fluids. On-site there will be plenty of fluids available. Personnel should replace water and salts lost from perspiration. Salts can be replaced by either a 0.1% salt solution, more heavily salted foods, or commercial mixes such as Gatorade®.
- 2) A work schedule will be established so that the majority of the work day will be during the morning hours of the day before ambient air temperature levels reach their highs if high air temperatures are anticipated.
- 3) A work/rest guideline will be implemented for personnel required to wear Level B protection, if this situation arises. This guideline is as follows:

<u>Ambient Temperatures</u>	<u>Maximum Working Time</u>
Above 90 ° F	< 1 hour
80 ° - 90 ° F	1 hour
70 ° - 80 ° F	2 hours
60 ° - 70 ° F	3 hours
50 ° - 60 ° F	4 hours
40 ° - 50 ° F	5 hours
30 ° - 40 ° F	6 hours
Below 30 ° F	8 hours

A sufficient period will be allowed for personnel to "cool down". This may require separate shifts of workers during operations.

APPENDIX C

Soil Boring Geological Logs

LAUREL ENVIRONMENTAL ASSOCIATES, LTD.

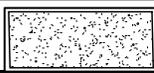
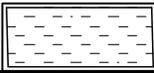
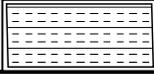
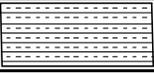
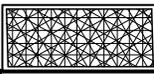
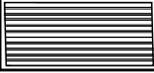
SOIL BORING LOG

DATE:

7/8/2011

Client:	<u>Scarano Architects</u>	Boring ID.:	<u>SB-1</u>
Site Location:	<u>67 Brighton 1st Lane, Brooklyn</u>	Boring Location:	<u>SB-1</u>
Job#:	<u>11-256</u>	Surface Elev. (ft):	<u>NA</u>
		DTW (ft):	<u>NA</u>

Field Geologist:	<u>Scott A. Yanuck/Wala Canario</u>	Drill Type:	<u>GeoProbe @ 6610 DT</u>
Driller:	<u>Steve Bitetto</u>	Sample Type:	<u>Split</u>
Weather Cond.:	<u>Sunny with light clouds</u>		<u>Grab</u>
Temp:	<u>80 Degrees Fahrenheit</u>		<u>Core X</u>

SOIL TYPE CODES		Boring Profile*	PID (ppm)	Description/Remarks
Well graded gravels or gravel/sand mix (GW)		0-2'	0	Coarse light brown medium sand ~ last 4" organic soil ark in color
Poorly graded gravels or gravel/sand mix (GP)		2'	0	Coarse light brown medium sand, at 2' 11" black ashlayer
Well graded sands, gravelly sands, no fines (SW)		3'	0	Ash layer til ~ 3' 1", coarse light brown medium sand
Poorly graded sands, gravelly sands, no fines (SP)		4'	0	Light brown well sorted fine sand
Silty sands, sand silt mixtures (SM)		5'	0	Light brown well sorted fine sand
Inorganic silts, fine sand, silty-clayey fine sands (ML)		6'	0	Light brown well sorted fine sand
Inorganic clays, gravelly/sandy clays, silty clays (CL)		7'	0	.5" of silty sand, .5" of well sorted fine sand, sand is wet at 7' 5", slight order of gas
Organic silts, organic silty clays of low plasticity (OL)		8- 10'	0	Fine well sorted sand
Organic clays of med. to high plasticity, organic silts (OH)				
Peat and other highly organic soils (PT)				
Bedrock etc. (BD)				
Other (fill, etc)				
Notes:				

* =Depth relative to grade

LAUREL ENVIRONMENTAL ASSOCIATES, LTD.

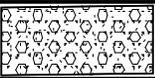
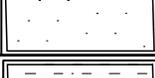
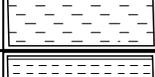
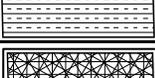
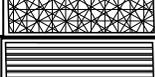
SOIL BORING LOG

DATE:

7/8/2011

Client: <u>Scarano Architects</u>	Boring ID. <u>SB-2</u>
Site Location: <u>67 Brighton 1st Lane, Brooklyn</u>	Boring Location: <u>SB-2</u>
Job#: <u>11-256</u>	Surface Elev. (ft): <u>NA</u>
	DTW (ft) : <u>NA</u>

Field Geologist: <u>Scott A. Yanuck/Wala Canario</u>	Drill Type: <u>GeoProbe @ 6610 DT</u>
Driller: <u>Steve Bitetto</u>	Sample Type: <u>Split</u>
Weather Cond. <u>Sunny with light clouds</u>	<u>Grab</u>
Temp: <u>80 Degrees Fahrenheit</u>	<u>Core X</u>

SOIL TYPE CODES		Boring Profile*	PID (ppm)	ption/Remarks
Well graded gravels or gravel/sand mix (GW) 		0-2'		Coarse unsorted sediment and (Fill)
Poorly graded gravels or gravel/sand mix (GP) 		2-4'		Coarse unsorted sediment with fill and cinder scatter amongst the sample
Well graded sands, gravelly sands, no fines (SW) 		4-5'		organic soils black in color fine-medium grain
Poorly graded sands, gravelly sands, no fines (SP) 		5-6'.5"		soil/sand fine grain, ash, found a small piece of coal in the sample , at 6' sediment is wet
Silty sands, sand silt mixtures (SM) 		6'.5"- 7'.5"		well sorted fine sand
Inorganic silts, fine sand, silty-clayey fine sands (ML) 		7'.5"-10'		wet, well sorted fine sand
Inorganic clays, gravelly/sandy clays, silty clays (CL) 				
Organic silts, organic silty clays of low plasticity (OL) 				
Organic clays of med. to high plasticity, organic silts (OH) 				
Peat and other highly organic soils (PT) 				
Bedrock etc. (BD) 				
Other (fill, etc)				
Notes: The piece of coal that was discovered in Boring profile 5-6'.5" I believe is not part of the natural location due to the fact of the site having lots of debris on the site				

* =Depth relative to grade

LAUREL ENVIRONMENTAL ASSOCIATES, LTD.

SOIL BORING LOG

DATE:

7/8/2011

Client: <u>Scarano Architects</u>	Boring ID. <u>SB-3</u>	
Site Location: <u>67 Brighton 1st Lane, Brooklyn</u>	Boring Location: <u>SB-3</u>	
Job#: <u>11-256</u>	Surface Elev. (ft): <u>NA</u>	
	DTW (ft) : <u>NA</u>	

Field Geologist: <u>Scott A. Yanuck/Wala Canario</u>	Drill Type: <u>GeoProbe @ 6610 DT</u>
Driller: <u>Steve Bitetto</u>	Sample Type: <u>Split</u>
Weather Cond. <u>Sunny with light clouds</u>	<u>Grab</u>
Temp: <u>80 Degrees Fahrenheit</u>	<u>Core X</u>

SOIL TYPE CODES		Boring Profile*	PID (ppm)	ption/Remarks
Well graded gravels or gravel/sand mix (GW)		0-4'	0	Rubble (Brick/concrete/stones)
Poorly graded gravels or gravel/sand mix (GP)		4-5'	0	Organice soil, coarse grained
Well graded sands, gravelly sands, no fines (SW)		5-6'	0	Silty clay ,fine well sorted sands
Poorly graded sands, gravelly sands, no fines (SP)		6-7'	52.8	Well sorted sand, sediment is wet at 6'.5" .5' sediment has a ζ , at 6' sediment is wet
Silty sands, sand silt mixtures (SM)		7-8'	41.6	well sorted sand, sediment is wet.
Inorganic silts, fine sand, silty-clayey fine sands (ML)		8-9'	0	Wet, well sorted fine sand
Inorganic clays, gravelly/sandy clays, silty clays (CL)				
Organic silts, organic silty clays of low plasticity (OL)		9-8'	0	Wet, well sorted fine sand
Organic clays of med. to high plasticity, organic silts (OH)				
Peat and other highly organic soils (PT)				
Bedrock etc. (BD)				
Other (fill, etc)				
Notes: Sample 0-5' was a small sample size				

* =Depth relative to grade

LAUREL ENVIRONMENTAL ASSOCIATES, LTD.

SOIL BORING LOG

DATE:

7/8/2011

Client:	<u>Scarano Architects</u>	Boring ID:	<u>SB-3A</u>
Site Location:	<u>67 Brighton 1st Lane, Brooklyn</u>	Boring Location:	<u>SB-3A</u>
Job#:	<u>11-256</u>	Surface Elev. (ft):	<u>NA</u>
		DTW (ft):	<u>NA</u>

Field Geologist:	<u>Scott A. Yanuck/Wala Canario</u>	Drill Type:	<u>GeoProbe @ 6610 DT</u>
Driller:	<u>Steve Bitetto</u>	Sample Type:	Split <u> </u>
Weather Cond.:	<u>Sunny, few clouds</u>		Grab <u> </u>
Temp:	<u>82 Degrees F</u>		Core <u>X</u>

SOIL TYPE CODES		Boring Profile*	PID (ppm)	Description/Remarks
Well graded gravels or gravel/sand mix (GW)	0	6-8'	0	Organic soil first 6"
Poorly graded gravels or gravel/sand mix (GP)	1			Sediment is wet at 6.5', fine sand
Well graded sands, gravelly sands, no fines (SW)	2			
Poorly graded sands, gravelly sands, no fines (SP)	3			
Silty sands, sand silt mixtures (SM)	4			
Inorganic silts, fine sand, silty-clayey fine sands (ML)	5			
Inorganic clays, gravelly/sandy clays, silty clays (CL)	6			
Organic silts, organic silty clays of low plasticity (OL)	7			
Organic clays of med. to high plasticity, organic silts (OH)	8			
Peat and other highly organic soils (PT)	9			
Bedrock etc. (BD)	10			
Other (fill, etc)	11			
	12			
Notes: There was a very slight smell of petroleum				

* =Depth relative to grade

APPENDIX D

Soil Analytical Results



LIAL# 1071113

July 18, 2011

Page 1 of 74

Laurel Environmental
Scott Yanuck
53 West Hills Road
Huntington Station NY, 11746

Re: 11-257 67 Brighton 1st Ln Brooklyn

Dear Scott Yanuck,

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on July 11, 2011. Long Island Analytical Laboratories analyzed the samples on July 18, 2011 for the following:

CLIENT ID	ANALYSIS
SB-1 0-2'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
SB-2 0-2'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
SB-3 0-2'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
DUP 0-2'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
SB-1 6-8'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
SB-2 6-8'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
SB-3 8-10'	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
SB-1/SB-3	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23
Soil Field Blank	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23

Samples received at 4.0 ° C

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Michael Veraldi - Laboratory Director

Long Island Analytical Laboratories, Inc.

Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.47	<5.47	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.47	<5.47	ug/kg dry	2.B
Chloroethane	75-00-3	5.47	<5.47	ug/kg dry	
Chloromethane	74-87-3	5.47	<5.47	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.47	<5.47	ug/kg dry	
Vinyl chloride	75-01-4	5.47	<5.47	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.47	<5.47	ug/kg dry	
Acetone	67-64-1	54.7	<54.7	ug/kg dry	
1,1-Dichloroethylene	75-35-4	5.47	<5.47	ug/kg dry	
Methylene Chloride	75-09-2	5.47	<5.47	ug/kg dry	
Carbon disulfide	75-15-0	5.47	<5.47	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.47	<5.47	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	5.47	<5.47	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.47	<5.47	ug/kg dry	
Vinyl acetate	108-05-4	5.47	<5.47	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.9	<10.9	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	5.47	<5.47	ug/kg dry	
2,2-Dichloropropane	590-20-7	5.47	<5.47	ug/kg dry	
Bromochloromethane	74-97-5	5.47	<5.47	ug/kg dry	
Chloroform	67-66-3	5.47	<5.47	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.47	<5.47	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.47	<5.47	ug/kg dry	
1,1-Dichloropropylene	563-58-6	5.47	<5.47	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.47	<5.47	ug/kg dry	
Benzene	71-43-2	5.47	<5.47	ug/kg dry	
Trichloroethylene	79-01-6	5.47	<5.47	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.47	<5.47	ug/kg dry	
Dibromomethane	74-95-3	5.47	<5.47	ug/kg dry	
Bromodichloromethane	75-27-4	5.47	<5.47	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.47	<5.47	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	10.9	<10.9	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	5.47	<5.47	ug/kg dry	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	5.47	<5.47	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	5.47	<5.47	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.47	<5.47	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.47	<5.47	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.47	<5.47	ug/kg dry	
Dibromochloromethane	124-48-1	5.47	<5.47	ug/kg dry	
Tetrachloroethylene	127-18-4	5.47	<5.47	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.47	<5.47	ug/kg dry	
Chlorobenzene	108-90-7	5.47	<5.47	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	5.47	<5.47	ug/kg dry	
Ethylbenzene	100-41-4	5.47	<5.47	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
Styrene	100-42-5	5.47	<5.47	ug/kg dry	
o-Xylene	95-47-6	5.47	<5.47	ug/kg dry	
Bromoform	75-25-2	5.47	<5.47	ug/kg dry	
1,1,1,2-Tetrachloroethane	79-34-5	5.47	<5.47	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.47	<5.47	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.47	<5.47	ug/kg dry	
Bromobenzene	108-86-1	5.47	<5.47	ug/kg dry	
n-Propylbenzene	103-65-1	5.47	<5.47	ug/kg dry	
2-Chlorotoluene	95-49-8	5.47	<5.47	ug/kg dry	
4-Ethyltoluene	622-96-8	5.47	<5.47	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	5.47	<5.47	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.47	<5.47	ug/kg dry	
tert-Butylbenzene	98-06-6	5.47	<5.47	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.47	<5.47	ug/kg dry	
sec-Butylbenzene	135-98-8	5.47	<5.47	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.47	<5.47	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.47	<5.47	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.47	<5.47	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.47	<5.47	ug/kg dry	



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	5.47	<5.47	ug/kg dry	2.B
n-Butylbenzene	104-51-8	5.47	<5.47	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.47	<5.47	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.47	<5.47	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.47	<5.47	ug/kg dry	
Naphthalene	91-20-3	5.47	<5.47	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.47	<5.47	ug/kg dry	
Acrylonitrile	107-13-1	5.47	<5.47	ug/kg dry	
1,4-Dioxane	123-91-1	5.47	<5.47	ug/kg dry	
Acrolein	107-02-8	5.47	<5.47	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	43.7	<43.7	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	43.7	<43.7	ug/kg dry	
Phenol	108-95-2	43.7	<43.7	ug/kg dry	
Aniline	62-53-3	43.7	<43.7	ug/kg dry	
2-Chlorophenol	95-57-8	43.7	<43.7	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	43.7	<43.7	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	43.7	<43.7	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	43.7	<43.7	ug/kg dry	
Benzyl alcohol	100-51-6	43.7	<43.7	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	43.7	<43.7	ug/kg dry	
2-Methylphenol	95-48-7	43.7	<43.7	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	43.7	<43.7	ug/kg dry	
Hexachloroethane	67-72-1	43.7	<43.7	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	43.7	<43.7	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	43.7	<43.7	ug/kg dry	
Nitrobenzene	98-95-3	43.7	<43.7	ug/kg dry	
Isophorone	78-59-1	43.7	<43.7	ug/kg dry	
2-Nitrophenol	88-75-5	43.7	<43.7	ug/kg dry	
2,4-Dimethylphenol	105-67-9	43.7	<43.7	ug/kg dry	
Benzoic Acid	65-85-0	43.7	<43.7	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	43.7	<43.7	ug/kg dry	
2,4-Dichlorophenol	120-83-2	43.7	<43.7	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	43.7	<43.7	ug/kg dry	
Naphthalene	91-20-3	43.7	<43.7	ug/kg dry	
4-Chloroaniline	106-47-8	43.7	<43.7	ug/kg dry	
Hexachlorobutadiene	87-68-3	43.7	<43.7	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	43.7	<43.7	ug/kg dry	
2-Methylnaphthalene	91-57-6	43.7	<43.7	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	43.7	<43.7	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	43.7	<43.7	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	43.7	<43.7	ug/kg dry	
2-Chloronaphthalene	91-58-7	43.7	<43.7	ug/kg dry	



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

Semivolatle Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	43.7	<43.7	ug/kg dry	
Dimethyl phthalate	131-11-3	43.7	<43.7	ug/kg dry	
Acenaphthylene	208-96-8	43.7	<43.7	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	43.7	<43.7	ug/kg dry	
3-Nitroaniline	99-09-2	43.7	<43.7	ug/kg dry	
Acenaphthene	83-32-9	43.7	<43.7	ug/kg dry	
2,4-Dinitrophenol	51-28-5	43.7	<43.7	ug/kg dry	
Dibenzofuran	132-64-9	43.7	<43.7	ug/kg dry	
4-Nitrophenol	100-02-7	43.7	<43.7	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	43.7	<43.7	ug/kg dry	
Fluorene	86-73-7	43.7	<43.7	ug/kg dry	
Diethyl phthalate	84-66-2	43.7	<43.7	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	43.7	<43.7	ug/kg dry	
4-Nitroaniline	100-01-6	43.7	<43.7	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	43.7	<43.7	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	43.7	<43.7	ug/kg dry	
Azobenzene	103-33-3	43.7	<43.7	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	43.7	<43.7	ug/kg dry	
Hexachlorobenzene	118-74-1	43.7	<43.7	ug/kg dry	
Pentachlorophenol	87-86-5	43.7	<43.7	ug/kg dry	
Phenanthrene	85-01-8	43.7	137	ug/kg dry	4.B
Anthracene	120-12-7	43.7	<43.7	ug/kg dry	
Carbazole	86-74-8	43.7	<43.7	ug/kg dry	
Di-n-butyl phthalate	84-74-2	43.7	<43.7	ug/kg dry	
Fluoranthene	206-44-0	43.7	324	ug/kg dry	
Pyrene	129-00-0	43.7	292	ug/kg dry	
Benzdine	92-87-5	43.7	<43.7	ug/kg dry	4.G
Butyl benzyl phthalate	85-68-7	43.7	<43.7	ug/kg dry	
Benzo(a)anthracene	56-55-3	43.7	201	ug/kg dry	
Chrysene	218-01-9	43.7	186	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	43.7	<43.7	ug/kg dry	4.K



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	43.7	135	ug/kg dry	4.B
Di-n-octyl phthalate	117-84-0	43.7	<43.7	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	43.7	253	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	43.7	91.8	ug/kg dry	4.B
Benzo(a)pyrene	50-32-8	43.7	182	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	43.7	86.7	ug/kg dry	4.B
Dibenzo(a,h)anthracene	53-70-3	43.7	<43.7	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	43.7	104	ug/kg dry	4.B

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	21.9	<21.9	ug/kg dry	
Aroclor-1260	11096-82-5	21.9	<21.9	ug/kg dry	
Aroclor 1221	11104-28-2	21.9	<21.9	ug/kg dry	
Aroclor 1232	11141-16-5	21.9	<21.9	ug/kg dry	
Aroclor 1242	53469-21-9	21.9	<21.9	ug/kg dry	
Aroclor 1248	12672-29-6	21.9	<21.9	ug/kg dry	
Aroclor 1254	11097-69-1	21.9	<21.9	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-01
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	171	4450	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.71	2.59	mg/kg dry	
Barium	07/12/2011	EPA 6010B	34.6	723	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.04	<1.04	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	85.6	3160	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.71	12.1	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.71	5.31	mg/kg dry	
Copper	07/12/2011	EPA 6010B	17.1	179	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	171	11600	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	17.1	1700	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	17.1	1730	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	85.6	253	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.71	15.6	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.71	915	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	85.6	1810	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.71	17.6	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	17.1	286	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	0.05	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.51	<5.51	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.51	<5.51	ug/kg dry	2.B
Chloroethane	75-00-3	5.51	<5.51	ug/kg dry	
Chloromethane	74-87-3	5.51	<5.51	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.51	<5.51	ug/kg dry	
Vinyl chloride	75-01-4	5.51	<5.51	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.51	<5.51	ug/kg dry	
Acetone	67-64-1	55.1	<55.1	ug/kg dry	
1,1-Dichloroethylene	75-35-4	5.51	<5.51	ug/kg dry	
Methylene Chloride	75-09-2	5.51	<5.51	ug/kg dry	
Carbon disulfide	75-15-0	5.51	<5.51	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.51	<5.51	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	5.51	<5.51	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.51	<5.51	ug/kg dry	
Vinyl acetate	108-05-4	5.51	<5.51	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.0	<11.0	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	5.51	<5.51	ug/kg dry	
2,2-Dichloropropane	590-20-7	5.51	<5.51	ug/kg dry	
Bromochloromethane	74-97-5	5.51	<5.51	ug/kg dry	
Chloroform	67-66-3	5.51	<5.51	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.51	<5.51	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.51	<5.51	ug/kg dry	
1,1-Dichloropropylene	563-58-6	5.51	<5.51	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.51	<5.51	ug/kg dry	
Benzene	71-43-2	5.51	<5.51	ug/kg dry	
Trichloroethylene	79-01-6	5.51	<5.51	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.51	<5.51	ug/kg dry	
Dibromomethane	74-95-3	5.51	<5.51	ug/kg dry	
Bromodichloromethane	75-27-4	5.51	<5.51	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.51	<5.51	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	11.0	<11.0	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	5.51	<5.51	ug/kg dry	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	5.51	<5.51	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	5.51	<5.51	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.51	<5.51	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.51	<5.51	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.51	<5.51	ug/kg dry	
Dibromochloromethane	124-48-1	5.51	<5.51	ug/kg dry	
Tetrachloroethylene	127-18-4	5.51	<5.51	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.51	<5.51	ug/kg dry	
Chlorobenzene	108-90-7	5.51	<5.51	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	5.51	<5.51	ug/kg dry	
Ethylbenzene	100-41-4	5.51	<5.51	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.0	<11.0	ug/kg dry	
Styrene	100-42-5	5.51	<5.51	ug/kg dry	
o-Xylene	95-47-6	5.51	<5.51	ug/kg dry	
Bromoform	75-25-2	5.51	<5.51	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.51	<5.51	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.51	<5.51	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.51	<5.51	ug/kg dry	
Bromobenzene	108-86-1	5.51	<5.51	ug/kg dry	
n-Propylbenzene	103-65-1	5.51	<5.51	ug/kg dry	
2-Chlorotoluene	95-49-8	5.51	<5.51	ug/kg dry	
4-Ethyltoluene	622-96-8	5.51	<5.51	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	5.51	<5.51	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.51	<5.51	ug/kg dry	
tert-Butylbenzene	98-06-6	5.51	<5.51	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.51	<5.51	ug/kg dry	
sec-Butylbenzene	135-98-8	5.51	<5.51	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.51	<5.51	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.51	<5.51	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.51	<5.51	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.51	<5.51	ug/kg dry	



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	5.51	<5.51	ug/kg dry	2.B
n-Butylbenzene	104-51-8	5.51	<5.51	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.51	<5.51	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.51	<5.51	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.51	<5.51	ug/kg dry	
Naphthalene	91-20-3	5.51	<5.51	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.51	<5.51	ug/kg dry	
Acrylonitrile	107-13-1	5.51	<5.51	ug/kg dry	
1,4-Dioxane	123-91-1	5.51	<5.51	ug/kg dry	
Acrolein	107-02-8	5.51	<5.51	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	44.1	<44.1	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	44.1	<44.1	ug/kg dry	
Phenol	108-95-2	44.1	<44.1	ug/kg dry	
Aniline	62-53-3	44.1	<44.1	ug/kg dry	
2-Chlorophenol	95-57-8	44.1	<44.1	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	44.1	<44.1	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	44.1	<44.1	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	44.1	<44.1	ug/kg dry	
Benzyl alcohol	100-51-6	44.1	<44.1	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	44.1	<44.1	ug/kg dry	
2-Methylphenol	95-48-7	44.1	<44.1	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	44.1	<44.1	ug/kg dry	
Hexachloroethane	67-72-1	44.1	<44.1	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	44.1	<44.1	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	44.1	<44.1	ug/kg dry	
Nitrobenzene	98-95-3	44.1	<44.1	ug/kg dry	
Isophorone	78-59-1	44.1	<44.1	ug/kg dry	
2-Nitrophenol	88-75-5	44.1	<44.1	ug/kg dry	
2,4-Dimethylphenol	105-67-9	44.1	<44.1	ug/kg dry	
Benzoic Acid	65-85-0	44.1	<44.1	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	44.1	<44.1	ug/kg dry	
2,4-Dichlorophenol	120-83-2	44.1	<44.1	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	44.1	<44.1	ug/kg dry	
Naphthalene	91-20-3	44.1	<44.1	ug/kg dry	
4-Chloroaniline	106-47-8	44.1	<44.1	ug/kg dry	
Hexachlorobutadiene	87-68-3	44.1	<44.1	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	44.1	<44.1	ug/kg dry	
2-Methylnaphthalene	91-57-6	44.1	<44.1	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	44.1	<44.1	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	44.1	<44.1	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	44.1	<44.1	ug/kg dry	
2-Chloronaphthalene	91-58-7	44.1	<44.1	ug/kg dry	



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	44.1	<44.1	ug/kg dry	
Dimethyl phthalate	131-11-3	44.1	<44.1	ug/kg dry	
Acenaphthylene	208-96-8	44.1	<44.1	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	44.1	<44.1	ug/kg dry	
3-Nitroaniline	99-09-2	44.1	<44.1	ug/kg dry	
Acenaphthene	83-32-9	44.1	99.3	ug/kg dry	4.B
2,4-Dinitrophenol	51-28-5	44.1	<44.1	ug/kg dry	
Dibenzofuran	132-64-9	44.1	72.8	ug/kg dry	4.B
4-Nitrophenol	100-02-7	44.1	<44.1	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	44.1	<44.1	ug/kg dry	
Fluorene	86-73-7	44.1	81.6	ug/kg dry	4.B
Diethyl phthalate	84-66-2	44.1	<44.1	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	44.1	<44.1	ug/kg dry	
4-Nitroaniline	100-01-6	44.1	<44.1	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	44.1	<44.1	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	44.1	<44.1	ug/kg dry	
Azobenzene	103-33-3	44.1	<44.1	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	44.1	<44.1	ug/kg dry	
Hexachlorobenzene	118-74-1	44.1	<44.1	ug/kg dry	
Pentachlorophenol	87-86-5	44.1	<44.1	ug/kg dry	
Phenanthrene	85-01-8	44.1	1250	ug/kg dry	
Anthracene	120-12-7	44.1	289	ug/kg dry	
Carbazole	86-74-8	44.1	120	ug/kg dry	4.B
Di-n-butyl phthalate	84-74-2	44.1	<44.1	ug/kg dry	
Fluoranthene	206-44-0	44.1	1560	ug/kg dry	
Pyrene	129-00-0	44.1	1280	ug/kg dry	
Benzdine	92-87-5	44.1	<44.1	ug/kg dry	4.G
Butyl benzyl phthalate	85-68-7	44.1	<44.1	ug/kg dry	
Benzo(a)anthracene	56-55-3	44.1	714	ug/kg dry	
Chrysene	218-01-9	44.1	707	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	44.1	<44.1	ug/kg dry	4.K



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	44.1	342	ug/kg dry	
Di-n-octyl phthalate	117-84-0	44.1	<44.1	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	44.1	824	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	44.1	328	ug/kg dry	
Benzo(a)pyrene	50-32-8	44.1	643	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	44.1	268	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	44.1	95.6	ug/kg dry	4.B
Benzo(g,h,i)perylene	191-24-2	44.1	323	ug/kg dry	

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	22.1	<22.1	ug/kg dry	4.L
Aroclor-1260	11096-82-5	22.1	<22.1	ug/kg dry	4.L
Aroclor 1221	11104-28-2	22.1	<22.1	ug/kg dry	4.L
Aroclor 1232	11141-16-5	22.1	<22.1	ug/kg dry	4.L
Aroclor 1242	53469-21-9	22.1	<22.1	ug/kg dry	4.L
Aroclor 1248	12672-29-6	22.1	<22.1	ug/kg dry	4.L
Aroclor 1254	11097-69-1	22.1	<22.1	ug/kg dry	4.L

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-02
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	171	4790	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.71	2.57	mg/kg dry	
Barium	07/12/2011	EPA 6010B	34.5	741	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.04	<1.04	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	85.6	3310	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.71	13.4	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.71	5.20	mg/kg dry	
Copper	07/12/2011	EPA 6010B	17.1	341	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	171	13000	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	171	2030	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	17.1	1820	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	85.6	246	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.71	12.9	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.71	1120	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	85.6	1750	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.71	<1.71	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.71	17.6	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	17.1	253	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	0.04	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-3 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.43	<5.43	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.43	<5.43	ug/kg dry	2.B
Chloroethane	75-00-3	5.43	<5.43	ug/kg dry	
Chloromethane	74-87-3	5.43	<5.43	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.43	<5.43	ug/kg dry	
Vinyl chloride	75-01-4	5.43	<5.43	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.43	<5.43	ug/kg dry	
Acetone	67-64-1	54.3	<54.3	ug/kg dry	
1,1-Dichloroethylene	75-35-4	5.43	<5.43	ug/kg dry	
Methylene Chloride	75-09-2	5.43	<5.43	ug/kg dry	
Carbon disulfide	75-15-0	5.43	<5.43	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.43	<5.43	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	5.43	<5.43	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.43	<5.43	ug/kg dry	
Vinyl acetate	108-05-4	5.43	<5.43	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.9	<10.9	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	5.43	<5.43	ug/kg dry	
2,2-Dichloropropane	590-20-7	5.43	<5.43	ug/kg dry	
Bromochloromethane	74-97-5	5.43	<5.43	ug/kg dry	
Chloroform	67-66-3	5.43	<5.43	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.43	<5.43	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.43	<5.43	ug/kg dry	
1,1-Dichloropropylene	563-58-6	5.43	<5.43	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.43	<5.43	ug/kg dry	
Benzene	71-43-2	5.43	<5.43	ug/kg dry	
Trichloroethylene	79-01-6	5.43	<5.43	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.43	<5.43	ug/kg dry	
Dibromomethane	74-95-3	5.43	<5.43	ug/kg dry	
Bromodichloromethane	75-27-4	5.43	<5.43	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.43	<5.43	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	10.9	<10.9	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	5.43	<5.43	ug/kg dry	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-3 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	5.43	<5.43	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	5.43	<5.43	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.43	<5.43	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.43	<5.43	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.43	<5.43	ug/kg dry	
Dibromochloromethane	124-48-1	5.43	<5.43	ug/kg dry	
Tetrachloroethylene	127-18-4	5.43	<5.43	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.43	<5.43	ug/kg dry	
Chlorobenzene	108-90-7	5.43	<5.43	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	5.43	<5.43	ug/kg dry	
Ethylbenzene	100-41-4	5.43	<5.43	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
Styrene	100-42-5	5.43	<5.43	ug/kg dry	
o-Xylene	95-47-6	5.43	<5.43	ug/kg dry	
Bromoform	75-25-2	5.43	<5.43	ug/kg dry	
1,1,1,2-Tetrachloroethane	79-34-5	5.43	<5.43	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.43	<5.43	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.43	<5.43	ug/kg dry	
Bromobenzene	108-86-1	5.43	<5.43	ug/kg dry	
n-Propylbenzene	103-65-1	5.43	<5.43	ug/kg dry	
2-Chlorotoluene	95-49-8	5.43	<5.43	ug/kg dry	
4-Ethyltoluene	622-96-8	5.43	<5.43	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	5.43	<5.43	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.43	<5.43	ug/kg dry	
tert-Butylbenzene	98-06-6	5.43	<5.43	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.43	<5.43	ug/kg dry	
sec-Butylbenzene	135-98-8	5.43	<5.43	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.43	<5.43	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.43	<5.43	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.43	<5.43	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.43	<5.43	ug/kg dry	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-3 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	5.43	<5.43	ug/kg dry	2.B
n-Butylbenzene	104-51-8	5.43	<5.43	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.43	<5.43	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.43	<5.43	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.43	<5.43	ug/kg dry	
Naphthalene	91-20-3	5.43	<5.43	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.43	<5.43	ug/kg dry	
Acrylonitrile	107-13-1	5.43	<5.43	ug/kg dry	
1,4-Dioxane	123-91-1	5.43	<5.43	ug/kg dry	
Acrolein	107-02-8	5.43	<5.43	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-3 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	86.9	<86.9	ug/kg dry	3.A
N-Nitrosodimethylamine	62-75-9	86.9	<86.9	ug/kg dry	3.A
Phenol	108-95-2	86.9	<86.9	ug/kg dry	3.A
Aniline	62-53-3	86.9	<86.9	ug/kg dry	3.A
2-Chlorophenol	95-57-8	86.9	<86.9	ug/kg dry	3.A
Bis(2-Chloroethyl)ether	111-44-4	86.9	<86.9	ug/kg dry	3.A
1,3-Dichlorobenzene	541-73-1	86.9	<86.9	ug/kg dry	3.A
1,4-Dichlorobenzene	106-46-7	86.9	<86.9	ug/kg dry	3.A
Benzyl alcohol	100-51-6	86.9	<86.9	ug/kg dry	3.A
1,2-Dichlorobenzene	95-50-1	86.9	<86.9	ug/kg dry	3.A
2-Methylphenol	95-48-7	86.9	<86.9	ug/kg dry	3.A
Bis(2-chloroisopropyl)ether	39638-32-9	86.9	<86.9	ug/kg dry	3.A
Hexachloroethane	67-72-1	86.9	<86.9	ug/kg dry	3.A
3/4-Methylphenol	108-39-4/106-44-5	86.9	<86.9	ug/kg dry	3.A
N-Nitroso-di-n-propylamine	621-64-7	86.9	<86.9	ug/kg dry	3.A
Nitrobenzene	98-95-3	86.9	<86.9	ug/kg dry	3.A
Isophorone	78-59-1	86.9	<86.9	ug/kg dry	3.A
2-Nitrophenol	88-75-5	86.9	<86.9	ug/kg dry	3.A
2,4-Dimethylphenol	105-67-9	86.9	<86.9	ug/kg dry	3.A
Benzoic Acid	65-85-0	86.9	<86.9	ug/kg dry	3.A
bis(2-Chloroethoxy)methane	111-91-1	86.9	<86.9	ug/kg dry	3.A
2,4-Dichlorophenol	120-83-2	86.9	<86.9	ug/kg dry	3.A
1,2,4-Trichlorobenzene	120-82-1	86.9	<86.9	ug/kg dry	3.A
Naphthalene	91-20-3	86.9	<86.9	ug/kg dry	3.A
4-Chloroaniline	106-47-8	86.9	<86.9	ug/kg dry	3.A
Hexachlorobutadiene	87-68-3	86.9	<86.9	ug/kg dry	3.A
4-Chloro-3-methylphenol	59-50-7	86.9	<86.9	ug/kg dry	3.A
2-Methylnaphthalene	91-57-6	86.9	<86.9	ug/kg dry	3.A
Hexachlorocyclopentadiene	77-47-4	86.9	<86.9	ug/kg dry	3.A
2,4,6-Trichlorophenol	88-06-2	86.9	<86.9	ug/kg dry	3.A
2,4,5-Trichlorophenol	95-95-4	86.9	<86.9	ug/kg dry	3.A
2-Chloronaphthalene	91-58-7	86.9	<86.9	ug/kg dry	3.A



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-3 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	86.9	<86.9	ug/kg dry	3.A
Dimethyl phthalate	131-11-3	86.9	<86.9	ug/kg dry	3.A
Acenaphthylene	208-96-8	86.9	129	ug/kg dry	3.A, 4.B
2,6-Dinitrotoluene	606-20-2	86.9	<86.9	ug/kg dry	3.A
3-Nitroaniline	99-09-2	86.9	<86.9	ug/kg dry	3.A
Acenaphthene	83-32-9	86.9	<86.9	ug/kg dry	3.A
2,4-Dinitrophenol	51-28-5	86.9	<86.9	ug/kg dry	3.A
Dibenzofuran	132-64-9	86.9	<86.9	ug/kg dry	3.A
4-Nitrophenol	100-02-7	86.9	<86.9	ug/kg dry	3.A
2,4-Dinitrotoluene	121-14-2	86.9	<86.9	ug/kg dry	3.A
Fluorene	86-73-7	86.9	<86.9	ug/kg dry	3.A
Diethyl phthalate	84-66-2	86.9	<86.9	ug/kg dry	3.A
4-Chlorophenyl phenyl ether	7005-72-3	86.9	<86.9	ug/kg dry	3.A
4-Nitroaniline	100-01-6	86.9	<86.9	ug/kg dry	3.A
4,6-Dinitro-2-methylphenol	534-52-1	86.9	<86.9	ug/kg dry	3.A
N-Nitrosodiphenylamine	86-30-6	86.9	<86.9	ug/kg dry	3.A
Azobenzene	103-33-3	86.9	<86.9	ug/kg dry	3.A
4-Bromophenyl phenyl ether	101-55-3	86.9	<86.9	ug/kg dry	3.A
Hexachlorobenzene	118-74-1	86.9	<86.9	ug/kg dry	3.A
Pentachlorophenol	87-86-5	86.9	<86.9	ug/kg dry	3.A
Phenanthrene	85-01-8	86.9	508	ug/kg dry	3.A
Anthracene	120-12-7	86.9	156	ug/kg dry	3.A, 4.B
Carbazole	86-74-8	86.9	<86.9	ug/kg dry	3.A
Di-n-butyl phthalate	84-74-2	86.9	<86.9	ug/kg dry	3.A
Fluoranthene	206-44-0	86.9	1030	ug/kg dry	3.A
Pyrene	129-00-0	86.9	1040	ug/kg dry	3.A
Benzidine	92-87-5	86.9	<86.9	ug/kg dry	3.A, 4.G
Butyl benzyl phthalate	85-68-7	86.9	<86.9	ug/kg dry	3.A
Benzo(a)anthracene	56-55-3	86.9	576	ug/kg dry	3.A
Chrysene	218-01-9	86.9	568	ug/kg dry	3.A
3,3'-Dichlorobenzidine	91-94-1	86.9	<86.9	ug/kg dry	3.A, 4.K



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-3 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	86.9	266	ug/kg dry	3.A, 4.B
Di-n-octyl phthalate	117-84-0	86.9	<86.9	ug/kg dry	3.A
Benzo(b)fluoranthene	205-99-2	86.9	530	ug/kg dry	3.A
Benzo(k)fluoranthene	207-08-9	86.9	229	ug/kg dry	3.A, 4.B
Benzo(a)pyrene	50-32-8	86.9	349	ug/kg dry	3.A
Indeno(1,2,3-cd)pyrene	193-39-5	86.9	184	ug/kg dry	3.A, 4.B
Dibenzo(a,h)anthracene	53-70-3	86.9	<86.9	ug/kg dry	3.A
Benzo(g,h,i)perylene	191-24-2	86.9	178	ug/kg dry	3.A, 4.B

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-3 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	21.7	<21.7	ug/kg dry	
Aroclor-1260	11096-82-5	21.7	<21.7	ug/kg dry	
Aroclor 1221	11104-28-2	21.7	<21.7	ug/kg dry	
Aroclor 1232	11141-16-5	21.7	<21.7	ug/kg dry	
Aroclor 1242	53469-21-9	21.7	<21.7	ug/kg dry	
Aroclor 1248	12672-29-6	21.7	<21.7	ug/kg dry	
Aroclor 1254	11097-69-1	21.7	<21.7	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-3 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-03
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	174	6730	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.74	<1.74	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.74	2.46	mg/kg dry	
Barium	07/12/2011	EPA 6010B	3.51	86.1	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.74	<1.74	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.05	<1.05	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	87.0	8380	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.74	16.2	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.74	6.33	mg/kg dry	
Copper	07/12/2011	EPA 6010B	1.74	45.2	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	174	15800	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	1.74	143	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	17.4	3800	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	87.0	250	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.74	16.1	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.74	1460	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.74	<1.74	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.74	<1.74	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	8.70	271	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.74	<1.74	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.74	22.1	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	1.74	117	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	0.10	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: DUP 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-04
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.46	<5.46	ug/kg dry	
Chlorodifluoromethane	75-45-6	5.46	<5.46	ug/kg dry	2.B
Chloroethane	75-00-3	5.46	<5.46	ug/kg dry	
Chloromethane	74-87-3	5.46	<5.46	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.46	<5.46	ug/kg dry	
Vinyl chloride	75-01-4	5.46	<5.46	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.46	<5.46	ug/kg dry	
Acetone	67-64-1	54.6	<54.6	ug/kg dry	
1,1-Dichloroethylene	75-35-4	5.46	<5.46	ug/kg dry	
Methylene Chloride	75-09-2	5.46	8.25	ug/kg dry	4.C
Carbon disulfide	75-15-0	5.46	<5.46	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.46	<5.46	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	5.46	<5.46	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.46	<5.46	ug/kg dry	
Vinyl acetate	108-05-4	5.46	<5.46	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.9	<10.9	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	5.46	<5.46	ug/kg dry	
2,2-Dichloropropane	590-20-7	5.46	<5.46	ug/kg dry	
Bromochloromethane	74-97-5	5.46	<5.46	ug/kg dry	
Chloroform	67-66-3	5.46	<5.46	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.46	<5.46	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.46	<5.46	ug/kg dry	
1,1-Dichloropropylene	563-58-6	5.46	<5.46	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.46	<5.46	ug/kg dry	
Benzene	71-43-2	5.46	<5.46	ug/kg dry	
Trichloroethylene	79-01-6	5.46	<5.46	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.46	<5.46	ug/kg dry	
Dibromomethane	74-95-3	5.46	<5.46	ug/kg dry	
Bromodichloromethane	75-27-4	5.46	<5.46	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.46	<5.46	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	10.9	<10.9	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	5.46	<5.46	ug/kg dry	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: DUP 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-04
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	5.46	<5.46	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	5.46	<5.46	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.46	<5.46	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.46	<5.46	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.46	<5.46	ug/kg dry	
Dibromochloromethane	124-48-1	5.46	<5.46	ug/kg dry	
Tetrachloroethylene	127-18-4	5.46	<5.46	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.46	<5.46	ug/kg dry	
Chlorobenzene	108-90-7	5.46	<5.46	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	5.46	<5.46	ug/kg dry	
Ethylbenzene	100-41-4	5.46	<5.46	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	10.9	<10.9	ug/kg dry	
Styrene	100-42-5	5.46	<5.46	ug/kg dry	
o-Xylene	95-47-6	5.46	<5.46	ug/kg dry	
Bromoform	75-25-2	5.46	<5.46	ug/kg dry	
1,1,1,2-Tetrachloroethane	79-34-5	5.46	<5.46	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.46	<5.46	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.46	<5.46	ug/kg dry	
Bromobenzene	108-86-1	5.46	<5.46	ug/kg dry	
n-Propylbenzene	103-65-1	5.46	<5.46	ug/kg dry	
2-Chlorotoluene	95-49-8	5.46	<5.46	ug/kg dry	
4-Ethyltoluene	622-96-8	5.46	<5.46	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	5.46	<5.46	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.46	<5.46	ug/kg dry	
tert-Butylbenzene	98-06-6	5.46	<5.46	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.46	<5.46	ug/kg dry	
sec-Butylbenzene	135-98-8	5.46	<5.46	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.46	<5.46	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.46	<5.46	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.46	<5.46	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.46	<5.46	ug/kg dry	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: DUP 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-04
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	5.46	<5.46	ug/kg dry	2.B
n-Butylbenzene	104-51-8	5.46	<5.46	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.46	<5.46	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	5.46	<5.46	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	5.46	<5.46	ug/kg dry	
Naphthalene	91-20-3	5.46	<5.46	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.46	<5.46	ug/kg dry	
Acrylonitrile	107-13-1	5.46	<5.46	ug/kg dry	
1,4-Dioxane	123-91-1	5.46	<5.46	ug/kg dry	
Acrolein	107-02-8	5.46	<5.46	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-04
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	87.3	<87.3	ug/kg dry	3.A
N-Nitrosodimethylamine	62-75-9	87.3	<87.3	ug/kg dry	3.A
Phenol	108-95-2	87.3	<87.3	ug/kg dry	3.A
Aniline	62-53-3	87.3	<87.3	ug/kg dry	3.A
2-Chlorophenol	95-57-8	87.3	<87.3	ug/kg dry	3.A
Bis(2-Chloroethyl)ether	111-44-4	87.3	<87.3	ug/kg dry	3.A
1,3-Dichlorobenzene	541-73-1	87.3	<87.3	ug/kg dry	3.A
1,4-Dichlorobenzene	106-46-7	87.3	<87.3	ug/kg dry	3.A
Benzyl alcohol	100-51-6	87.3	<87.3	ug/kg dry	3.A
1,2-Dichlorobenzene	95-50-1	87.3	<87.3	ug/kg dry	3.A
2-Methylphenol	95-48-7	87.3	<87.3	ug/kg dry	3.A
Bis(2-chloroisopropyl)ether	39638-32-9	87.3	<87.3	ug/kg dry	3.A
Hexachloroethane	67-72-1	87.3	<87.3	ug/kg dry	3.A
3/4-Methylphenol	108-39-4/106-44-5	87.3	<87.3	ug/kg dry	3.A
N-Nitroso-di-n-propylamine	621-64-7	87.3	<87.3	ug/kg dry	3.A
Nitrobenzene	98-95-3	87.3	<87.3	ug/kg dry	3.A
Isophorone	78-59-1	87.3	<87.3	ug/kg dry	3.A
2-Nitrophenol	88-75-5	87.3	<87.3	ug/kg dry	3.A
2,4-Dimethylphenol	105-67-9	87.3	<87.3	ug/kg dry	3.A
Benzoic Acid	65-85-0	87.3	<87.3	ug/kg dry	3.A
bis(2-Chloroethoxy)methane	111-91-1	87.3	<87.3	ug/kg dry	3.A
2,4-Dichlorophenol	120-83-2	87.3	<87.3	ug/kg dry	3.A
1,2,4-Trichlorobenzene	120-82-1	87.3	<87.3	ug/kg dry	3.A
Naphthalene	91-20-3	87.3	<87.3	ug/kg dry	3.A
4-Chloroaniline	106-47-8	87.3	<87.3	ug/kg dry	3.A
Hexachlorobutadiene	87-68-3	87.3	<87.3	ug/kg dry	3.A
4-Chloro-3-methylphenol	59-50-7	87.3	<87.3	ug/kg dry	3.A
2-Methylnaphthalene	91-57-6	87.3	<87.3	ug/kg dry	3.A
Hexachlorocyclopentadiene	77-47-4	87.3	<87.3	ug/kg dry	3.A
2,4,6-Trichlorophenol	88-06-2	87.3	<87.3	ug/kg dry	3.A
2,4,5-Trichlorophenol	95-95-4	87.3	<87.3	ug/kg dry	3.A
2-Chloronaphthalene	91-58-7	87.3	<87.3	ug/kg dry	3.A



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: DUP 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-04
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	87.3	<87.3	ug/kg dry	3.A
Dimethyl phthalate	131-11-3	87.3	<87.3	ug/kg dry	3.A
Acenaphthylene	208-96-8	87.3	<87.3	ug/kg dry	3.A
2,6-Dinitrotoluene	606-20-2	87.3	<87.3	ug/kg dry	3.A
3-Nitroaniline	99-09-2	87.3	<87.3	ug/kg dry	3.A
Acenaphthene	83-32-9	87.3	<87.3	ug/kg dry	3.A
2,4-Dinitrophenol	51-28-5	87.3	<87.3	ug/kg dry	3.A
Dibenzofuran	132-64-9	87.3	<87.3	ug/kg dry	3.A
4-Nitrophenol	100-02-7	87.3	<87.3	ug/kg dry	3.A
2,4-Dinitrotoluene	121-14-2	87.3	<87.3	ug/kg dry	3.A
Fluorene	86-73-7	87.3	<87.3	ug/kg dry	3.A
Diethyl phthalate	84-66-2	87.3	<87.3	ug/kg dry	3.A
4-Chlorophenyl phenyl ether	7005-72-3	87.3	<87.3	ug/kg dry	3.A
4-Nitroaniline	100-01-6	87.3	<87.3	ug/kg dry	3.A
4,6-Dinitro-2-methylphenol	534-52-1	87.3	<87.3	ug/kg dry	3.A
N-Nitrosodiphenylamine	86-30-6	87.3	<87.3	ug/kg dry	3.A
Azobenzene	103-33-3	87.3	<87.3	ug/kg dry	3.A
4-Bromophenyl phenyl ether	101-55-3	87.3	<87.3	ug/kg dry	3.A
Hexachlorobenzene	118-74-1	87.3	<87.3	ug/kg dry	3.A
Pentachlorophenol	87-86-5	87.3	<87.3	ug/kg dry	3.A
Phenanthrene	85-01-8	87.3	490	ug/kg dry	3.A
Anthracene	120-12-7	87.3	130	ug/kg dry	3.A, 4.B
Carbazole	86-74-8	87.3	<87.3	ug/kg dry	3.A
Di-n-butyl phthalate	84-74-2	87.3	<87.3	ug/kg dry	3.A
Fluoranthene	206-44-0	87.3	908	ug/kg dry	3.A
Pyrene	129-00-0	87.3	892	ug/kg dry	3.A
Benzidine	92-87-5	87.3	<87.3	ug/kg dry	3.A, 4.G
Butyl benzyl phthalate	85-68-7	87.3	<87.3	ug/kg dry	3.A
Benzo(a)anthracene	56-55-3	87.3	492	ug/kg dry	3.A
Chrysene	218-01-9	87.3	533	ug/kg dry	3.A
3,3'-Dichlorobenzidine	91-94-1	87.3	<87.3	ug/kg dry	3.A, 4.K



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Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	87.3	215	ug/kg dry	3.A, 4.B
Di-n-octyl phthalate	117-84-0	87.3	<87.3	ug/kg dry	3.A
Benzo(b)fluoranthene	205-99-2	87.3	504	ug/kg dry	3.A
Benzo(k)fluoranthene	207-08-9	87.3	134	ug/kg dry	3.A, 4.B
Benzo(a)pyrene	50-32-8	87.3	288	ug/kg dry	3.A, 4.B
Indeno(1,2,3-cd)pyrene	193-39-5	175	236	ug/kg dry	3.A, 4.B
Dibenzo(a,h)anthracene	53-70-3	175	<175	ug/kg dry	3.A
Benzo(g,h,i)perylene	191-24-2	175	271	ug/kg dry	3.A, 4.B

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/14/2011

Analytical Method: EPA 8270C



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: DUP 0-2'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-04
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	21.8	36.9	ug/kg dry	
Aroclor-1260	11096-82-5	21.8	<21.8	ug/kg dry	
Aroclor 1221	11104-28-2	21.8	<21.8	ug/kg dry	
Aroclor 1232	11141-16-5	21.8	<21.8	ug/kg dry	
Aroclor 1242	53469-21-9	21.8	<21.8	ug/kg dry	
Aroclor 1248	12672-29-6	21.8	<21.8	ug/kg dry	
Aroclor 1254	11097-69-1	21.8	<21.8	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-04
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	169	5960	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.69	<1.69	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.69	2.55	mg/kg dry	
Barium	07/12/2011	EPA 6010B	3.42	86.2	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.69	<1.69	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.03	<1.03	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	84.7	14200	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.69	15.8	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.69	5.64	mg/kg dry	
Copper	07/12/2011	EPA 6010B	1.69	40.7	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	169	13900	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	1.69	152	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	16.9	5860	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	84.7	218	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.69	15.0	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.69	1560	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.69	<1.69	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.69	<1.69	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	8.47	284	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.69	<1.69	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.69	20.7	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	1.69	108	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	0.09	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-05
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	6.03	<6.03	ug/kg dry	
Chlorodifluoromethane	75-45-6	6.03	<6.03	ug/kg dry	2.B
Chloroethane	75-00-3	6.03	<6.03	ug/kg dry	
Chloromethane	74-87-3	6.03	<6.03	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.03	<6.03	ug/kg dry	
Vinyl chloride	75-01-4	6.03	<6.03	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.03	<6.03	ug/kg dry	
Acetone	67-64-1	60.3	<60.3	ug/kg dry	
1,1-Dichloroethylene	75-35-4	6.03	<6.03	ug/kg dry	
Methylene Chloride	75-09-2	6.03	10.5	ug/kg dry	4.C
Carbon disulfide	75-15-0	6.03	<6.03	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	6.03	<6.03	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	6.03	<6.03	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.03	<6.03	ug/kg dry	
Vinyl acetate	108-05-4	6.03	<6.03	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.1	<12.1	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	6.03	<6.03	ug/kg dry	
2,2-Dichloropropane	590-20-7	6.03	<6.03	ug/kg dry	
Bromochloromethane	74-97-5	6.03	<6.03	ug/kg dry	
Chloroform	67-66-3	6.03	<6.03	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.03	<6.03	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.03	<6.03	ug/kg dry	
1,1-Dichloropropylene	563-58-6	6.03	<6.03	ug/kg dry	
Carbon Tetrachloride	56-23-5	6.03	<6.03	ug/kg dry	
Benzene	71-43-2	6.03	<6.03	ug/kg dry	
Trichloroethylene	79-01-6	6.03	<6.03	ug/kg dry	
1,2-Dichloropropane	78-87-5	6.03	<6.03	ug/kg dry	
Dibromomethane	74-95-3	6.03	<6.03	ug/kg dry	
Bromodichloromethane	75-27-4	6.03	<6.03	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	6.03	<6.03	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	12.1	<12.1	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	6.03	<6.03	ug/kg dry	



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-05
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	6.03	<6.03	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	6.03	<6.03	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	6.03	<6.03	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	6.03	<6.03	ug/kg dry	
1,3-Dichloropropane	142-28-9	6.03	<6.03	ug/kg dry	
Dibromochloromethane	124-48-1	6.03	<6.03	ug/kg dry	
Tetrachloroethylene	127-18-4	6.03	<6.03	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.03	<6.03	ug/kg dry	
Chlorobenzene	108-90-7	6.03	<6.03	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	6.03	<6.03	ug/kg dry	
Ethylbenzene	100-41-4	6.03	<6.03	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.1	<12.1	ug/kg dry	
Styrene	100-42-5	6.03	<6.03	ug/kg dry	
o-Xylene	95-47-6	6.03	<6.03	ug/kg dry	
Bromoform	75-25-2	6.03	<6.03	ug/kg dry	
1,1,1,2-Tetrachloroethane	79-34-5	6.03	<6.03	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.03	<6.03	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.03	<6.03	ug/kg dry	
Bromobenzene	108-86-1	6.03	<6.03	ug/kg dry	
n-Propylbenzene	103-65-1	6.03	<6.03	ug/kg dry	
2-Chlorotoluene	95-49-8	6.03	<6.03	ug/kg dry	
4-Ethyltoluene	622-96-8	6.03	<6.03	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	6.03	<6.03	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.03	<6.03	ug/kg dry	
tert-Butylbenzene	98-06-6	6.03	<6.03	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.03	<6.03	ug/kg dry	
sec-Butylbenzene	135-98-8	6.03	<6.03	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.03	<6.03	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.03	<6.03	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.03	<6.03	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	6.03	<6.03	ug/kg dry	



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-05
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	6.03	<6.03	ug/kg dry	2.B
n-Butylbenzene	104-51-8	6.03	<6.03	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.03	<6.03	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	6.03	<6.03	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	6.03	<6.03	ug/kg dry	
Naphthalene	91-20-3	6.03	<6.03	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.03	<6.03	ug/kg dry	
Acrylonitrile	107-13-1	6.03	<6.03	ug/kg dry	
1,4-Dioxane	123-91-1	6.03	<6.03	ug/kg dry	
Acrolein	107-02-8	6.03	<6.03	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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LABORATORIES INC.**

110 Colin Drive • Holbrook, New York 11741

"TOMORROWS ANALYTICAL SOLUTIONS TODAY"

Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-05
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	48.2	<48.2	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	48.2	<48.2	ug/kg dry	
Phenol	108-95-2	48.2	<48.2	ug/kg dry	
Aniline	62-53-3	48.2	<48.2	ug/kg dry	
2-Chlorophenol	95-57-8	48.2	<48.2	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	48.2	<48.2	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	48.2	<48.2	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	48.2	<48.2	ug/kg dry	
Benzyl alcohol	100-51-6	48.2	<48.2	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	48.2	<48.2	ug/kg dry	
2-Methylphenol	95-48-7	48.2	<48.2	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	48.2	<48.2	ug/kg dry	
Hexachloroethane	67-72-1	48.2	<48.2	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	48.2	<48.2	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	48.2	<48.2	ug/kg dry	
Nitrobenzene	98-95-3	48.2	<48.2	ug/kg dry	
Isophorone	78-59-1	48.2	<48.2	ug/kg dry	
2-Nitrophenol	88-75-5	48.2	<48.2	ug/kg dry	
2,4-Dimethylphenol	105-67-9	48.2	<48.2	ug/kg dry	
Benzoic Acid	65-85-0	48.2	<48.2	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	48.2	<48.2	ug/kg dry	
2,4-Dichlorophenol	120-83-2	48.2	<48.2	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	48.2	<48.2	ug/kg dry	
Naphthalene	91-20-3	48.2	<48.2	ug/kg dry	
4-Chloroaniline	106-47-8	48.2	<48.2	ug/kg dry	
Hexachlorobutadiene	87-68-3	48.2	<48.2	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	48.2	<48.2	ug/kg dry	
2-Methylnaphthalene	91-57-6	48.2	<48.2	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	48.2	<48.2	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	48.2	<48.2	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	48.2	<48.2	ug/kg dry	
2-Chloronaphthalene	91-58-7	48.2	<48.2	ug/kg dry	



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Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	48.2	<48.2	ug/kg dry	
Dimethyl phthalate	131-11-3	48.2	<48.2	ug/kg dry	
Acenaphthylene	208-96-8	48.2	<48.2	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	48.2	<48.2	ug/kg dry	
3-Nitroaniline	99-09-2	48.2	<48.2	ug/kg dry	
Acenaphthene	83-32-9	48.2	<48.2	ug/kg dry	
2,4-Dinitrophenol	51-28-5	48.2	<48.2	ug/kg dry	
Dibenzofuran	132-64-9	48.2	<48.2	ug/kg dry	
4-Nitrophenol	100-02-7	48.2	<48.2	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	48.2	<48.2	ug/kg dry	
Fluorene	86-73-7	48.2	<48.2	ug/kg dry	
Diethyl phthalate	84-66-2	48.2	<48.2	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	48.2	<48.2	ug/kg dry	
4-Nitroaniline	100-01-6	48.2	<48.2	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	48.2	<48.2	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	48.2	<48.2	ug/kg dry	
Azobenzene	103-33-3	48.2	<48.2	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	48.2	<48.2	ug/kg dry	
Hexachlorobenzene	118-74-1	48.2	<48.2	ug/kg dry	
Pentachlorophenol	87-86-5	48.2	<48.2	ug/kg dry	
Phenanthrene	85-01-8	48.2	81.2	ug/kg dry	4.B
Anthracene	120-12-7	48.2	<48.2	ug/kg dry	
Carbazole	86-74-8	48.2	<48.2	ug/kg dry	
Di-n-butyl phthalate	84-74-2	48.2	<48.2	ug/kg dry	
Fluoranthene	206-44-0	48.2	123	ug/kg dry	4.B
Pyrene	129-00-0	48.2	118	ug/kg dry	4.B
Benzidine	92-87-5	48.2	<48.2	ug/kg dry	4.G
Butyl benzyl phthalate	85-68-7	48.2	<48.2	ug/kg dry	
Benzo(a)anthracene	56-55-3	48.2	65.9	ug/kg dry	4.B
Chrysene	218-01-9	48.2	61.1	ug/kg dry	4.B
3,3'-Dichlorobenzidine	91-94-1	48.2	<48.2	ug/kg dry	4.K



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Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	48.2	<48.2	ug/kg dry	
Di-n-octyl phthalate	117-84-0	48.2	<48.2	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	48.2	78.8	ug/kg dry	4.B
Benzo(k)fluoranthene	207-08-9	48.2	<48.2	ug/kg dry	
Benzo(a)pyrene	50-32-8	48.2	62.7	ug/kg dry	4.B
Indeno(1,2,3-cd)pyrene	193-39-5	48.2	<48.2	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	48.2	<48.2	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	48.2	<48.2	ug/kg dry	

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-05
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	24.1	<24.1	ug/kg dry	
Aroclor-1260	11096-82-5	24.1	<24.1	ug/kg dry	
Aroclor 1221	11104-28-2	24.1	<24.1	ug/kg dry	
Aroclor 1232	11141-16-5	24.1	<24.1	ug/kg dry	
Aroclor 1242	53469-21-9	24.1	<24.1	ug/kg dry	
Aroclor 1248	12672-29-6	24.1	<24.1	ug/kg dry	
Aroclor 1254	11097-69-1	24.1	<24.1	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-05
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	19.4	509	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Barium	07/12/2011	EPA 6010B	3.92	5.08	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.18	<1.18	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	9.72	397	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.94	2.18	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Copper	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	19.4	1160	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	1.94	9.39	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	1.94	193	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	9.72	<9.72	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.94	102	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	9.72	22.7	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.94	<1.94	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	1.94	11.1	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	0.07	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A

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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	6.20	<6.20	ug/kg dry	
Chlorodifluoromethane	75-45-6	6.20	<6.20	ug/kg dry	2.B
Chloroethane	75-00-3	6.20	<6.20	ug/kg dry	
Chloromethane	74-87-3	6.20	<6.20	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.20	<6.20	ug/kg dry	
Vinyl chloride	75-01-4	6.20	<6.20	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.20	<6.20	ug/kg dry	
Acetone	67-64-1	62.0	<62.0	ug/kg dry	
1,1-Dichloroethylene	75-35-4	6.20	<6.20	ug/kg dry	
Methylene Chloride	75-09-2	6.20	11.4	ug/kg dry	4.C
Carbon disulfide	75-15-0	6.20	<6.20	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	6.20	<6.20	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	6.20	<6.20	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.20	<6.20	ug/kg dry	
Vinyl acetate	108-05-4	6.20	<6.20	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.4	<12.4	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	6.20	<6.20	ug/kg dry	
2,2-Dichloropropane	590-20-7	6.20	<6.20	ug/kg dry	
Bromochloromethane	74-97-5	6.20	<6.20	ug/kg dry	
Chloroform	67-66-3	6.20	<6.20	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.20	<6.20	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.20	<6.20	ug/kg dry	
1,1-Dichloropropylene	563-58-6	6.20	<6.20	ug/kg dry	
Carbon Tetrachloride	56-23-5	6.20	<6.20	ug/kg dry	
Benzene	71-43-2	6.20	<6.20	ug/kg dry	
Trichloroethylene	79-01-6	6.20	<6.20	ug/kg dry	
1,2-Dichloropropane	78-87-5	6.20	<6.20	ug/kg dry	
Dibromomethane	74-95-3	6.20	<6.20	ug/kg dry	
Bromodichloromethane	75-27-4	6.20	<6.20	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	6.20	<6.20	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	12.4	<12.4	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	6.20	<6.20	ug/kg dry	



Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	6.20	<6.20	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	6.20	<6.20	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	6.20	<6.20	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	6.20	<6.20	ug/kg dry	
1,3-Dichloropropane	142-28-9	6.20	<6.20	ug/kg dry	
Dibromochloromethane	124-48-1	6.20	<6.20	ug/kg dry	
Tetrachloroethylene	127-18-4	6.20	<6.20	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.20	<6.20	ug/kg dry	
Chlorobenzene	108-90-7	6.20	<6.20	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	6.20	<6.20	ug/kg dry	
Ethylbenzene	100-41-4	6.20	<6.20	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.4	<12.4	ug/kg dry	
Styrene	100-42-5	6.20	<6.20	ug/kg dry	
o-Xylene	95-47-6	6.20	<6.20	ug/kg dry	
Bromoform	75-25-2	6.20	<6.20	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	6.20	<6.20	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.20	<6.20	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.20	<6.20	ug/kg dry	
Bromobenzene	108-86-1	6.20	<6.20	ug/kg dry	
n-Propylbenzene	103-65-1	6.20	<6.20	ug/kg dry	
2-Chlorotoluene	95-49-8	6.20	<6.20	ug/kg dry	
4-Ethyltoluene	622-96-8	6.20	<6.20	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	6.20	<6.20	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.20	<6.20	ug/kg dry	
tert-Butylbenzene	98-06-6	6.20	<6.20	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.20	<6.20	ug/kg dry	
sec-Butylbenzene	135-98-8	6.20	<6.20	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.20	<6.20	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.20	<6.20	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.20	<6.20	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	6.20	<6.20	ug/kg dry	



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	6.20	<6.20	ug/kg dry	2.B
n-Butylbenzene	104-51-8	6.20	<6.20	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.20	<6.20	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	6.20	<6.20	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	6.20	<6.20	ug/kg dry	
Naphthalene	91-20-3	6.20	<6.20	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.20	<6.20	ug/kg dry	
Acrylonitrile	107-13-1	6.20	<6.20	ug/kg dry	
1,4-Dioxane	123-91-1	6.20	<6.20	ug/kg dry	
Acrolein	107-02-8	6.20	<6.20	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	49.6	<49.6	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	49.6	<49.6	ug/kg dry	
Phenol	108-95-2	49.6	<49.6	ug/kg dry	
Aniline	62-53-3	49.6	<49.6	ug/kg dry	
2-Chlorophenol	95-57-8	49.6	<49.6	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	49.6	<49.6	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	49.6	<49.6	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	49.6	<49.6	ug/kg dry	
Benzyl alcohol	100-51-6	49.6	<49.6	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	49.6	<49.6	ug/kg dry	
2-Methylphenol	95-48-7	49.6	<49.6	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	49.6	<49.6	ug/kg dry	
Hexachloroethane	67-72-1	49.6	<49.6	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	49.6	<49.6	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	49.6	<49.6	ug/kg dry	
Nitrobenzene	98-95-3	49.6	<49.6	ug/kg dry	
Isophorone	78-59-1	49.6	<49.6	ug/kg dry	
2-Nitrophenol	88-75-5	49.6	<49.6	ug/kg dry	
2,4-Dimethylphenol	105-67-9	49.6	<49.6	ug/kg dry	
Benzoic Acid	65-85-0	49.6	<49.6	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	49.6	<49.6	ug/kg dry	
2,4-Dichlorophenol	120-83-2	49.6	<49.6	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	49.6	<49.6	ug/kg dry	
Naphthalene	91-20-3	49.6	<49.6	ug/kg dry	
4-Chloroaniline	106-47-8	49.6	<49.6	ug/kg dry	
Hexachlorobutadiene	87-68-3	49.6	<49.6	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	49.6	<49.6	ug/kg dry	
2-Methylnaphthalene	91-57-6	49.6	<49.6	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	49.6	<49.6	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	49.6	<49.6	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	49.6	<49.6	ug/kg dry	
2-Chloronaphthalene	91-58-7	49.6	<49.6	ug/kg dry	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Semivolatiles Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	49.6	<49.6	ug/kg dry	
Dimethyl phthalate	131-11-3	49.6	<49.6	ug/kg dry	
Acenaphthylene	208-96-8	49.6	<49.6	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	49.6	<49.6	ug/kg dry	
3-Nitroaniline	99-09-2	49.6	<49.6	ug/kg dry	
Acenaphthene	83-32-9	49.6	<49.6	ug/kg dry	
2,4-Dinitrophenol	51-28-5	49.6	<49.6	ug/kg dry	
Dibenzofuran	132-64-9	49.6	<49.6	ug/kg dry	
4-Nitrophenol	100-02-7	49.6	<49.6	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	49.6	<49.6	ug/kg dry	
Fluorene	86-73-7	49.6	<49.6	ug/kg dry	
Diethyl phthalate	84-66-2	49.6	<49.6	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	49.6	<49.6	ug/kg dry	
4-Nitroaniline	100-01-6	49.6	<49.6	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	49.6	<49.6	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	49.6	<49.6	ug/kg dry	
Azobenzene	103-33-3	49.6	<49.6	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	49.6	<49.6	ug/kg dry	
Hexachlorobenzene	118-74-1	49.6	<49.6	ug/kg dry	
Pentachlorophenol	87-86-5	49.6	<49.6	ug/kg dry	
Phenanthrene	85-01-8	49.6	<49.6	ug/kg dry	
Anthracene	120-12-7	49.6	<49.6	ug/kg dry	
Carbazole	86-74-8	49.6	<49.6	ug/kg dry	
Di-n-butyl phthalate	84-74-2	49.6	<49.6	ug/kg dry	
Fluoranthene	206-44-0	49.6	<49.6	ug/kg dry	
Pyrene	129-00-0	49.6	<49.6	ug/kg dry	
Benzidine	92-87-5	49.6	<49.6	ug/kg dry	4.G
Butyl benzyl phthalate	85-68-7	49.6	<49.6	ug/kg dry	
Benzo(a)anthracene	56-55-3	49.6	<49.6	ug/kg dry	
Chrysene	218-01-9	49.6	<49.6	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	49.6	<49.6	ug/kg dry	4.K



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	49.6	<49.6	ug/kg dry	
Di-n-octyl phthalate	117-84-0	49.6	<49.6	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	49.6	<49.6	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	49.6	<49.6	ug/kg dry	
Benzo(a)pyrene	50-32-8	49.6	<49.6	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	49.6	<49.6	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	49.6	<49.6	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	49.6	<49.6	ug/kg dry	

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	24.8	<24.8	ug/kg dry	
Aroclor-1260	11096-82-5	24.8	<24.8	ug/kg dry	
Aroclor 1221	11104-28-2	24.8	<24.8	ug/kg dry	
Aroclor 1232	11141-16-5	24.8	<24.8	ug/kg dry	
Aroclor 1242	53469-21-9	24.8	<24.8	ug/kg dry	
Aroclor 1248	12672-29-6	24.8	<24.8	ug/kg dry	
Aroclor 1254	11097-69-1	24.8	<24.8	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-2 6-8'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-06
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	19.7	394	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Barium	07/12/2011	EPA 6010B	3.97	4.60	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.19	<1.19	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	9.84	234	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Copper	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	19.7	631	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	1.97	168	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	9.84	<9.84	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.97	85.8	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	9.84	19.6	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.97	<1.97	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	1.97	7.26	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	<0.02	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:00	Sample ID: SB-3 8-10'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	6.15	<6.15	ug/kg dry	
Chlorodifluoromethane	75-45-6	6.15	<6.15	ug/kg dry	2.B
Chloroethane	75-00-3	6.15	<6.15	ug/kg dry	
Chloromethane	74-87-3	6.15	<6.15	ug/kg dry	
Dichlorodifluoromethane	75-71-8	6.15	<6.15	ug/kg dry	
Vinyl chloride	75-01-4	6.15	<6.15	ug/kg dry	
Trichlorofluoromethane	75-69-4	6.15	<6.15	ug/kg dry	
Acetone	67-64-1	61.5	<61.5	ug/kg dry	
1,1-Dichloroethylene	75-35-4	6.15	<6.15	ug/kg dry	
Methylene Chloride	75-09-2	6.15	10.2	ug/kg dry	4.C
Carbon disulfide	75-15-0	6.15	<6.15	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	6.15	<6.15	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	6.15	<6.15	ug/kg dry	
1,1-Dichloroethane	75-34-3	6.15	<6.15	ug/kg dry	
Vinyl acetate	108-05-4	6.15	<6.15	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	12.3	<12.3	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	6.15	<6.15	ug/kg dry	
2,2-Dichloropropane	590-20-7	6.15	<6.15	ug/kg dry	
Bromochloromethane	74-97-5	6.15	<6.15	ug/kg dry	
Chloroform	67-66-3	6.15	<6.15	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	6.15	<6.15	ug/kg dry	
1,2-Dichloroethane	107-06-2	6.15	<6.15	ug/kg dry	
1,1-Dichloropropylene	563-58-6	6.15	<6.15	ug/kg dry	
Carbon Tetrachloride	56-23-5	6.15	<6.15	ug/kg dry	
Benzene	71-43-2	6.15	<6.15	ug/kg dry	
Trichloroethylene	79-01-6	6.15	<6.15	ug/kg dry	
1,2-Dichloropropane	78-87-5	6.15	<6.15	ug/kg dry	
Dibromomethane	74-95-3	6.15	<6.15	ug/kg dry	
Bromodichloromethane	75-27-4	6.15	<6.15	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	6.15	<6.15	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	12.3	<12.3	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	6.15	<6.15	ug/kg dry	



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	6.15	<6.15	ug/kg dry	
trans-1,3-Dichloropropylene	10061-02-6	6.15	<6.15	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	6.15	<6.15	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	6.15	<6.15	ug/kg dry	
1,3-Dichloropropane	142-28-9	6.15	<6.15	ug/kg dry	
Dibromochloromethane	124-48-1	6.15	<6.15	ug/kg dry	
Tetrachloroethylene	127-18-4	6.15	<6.15	ug/kg dry	
1,2-Dibromoethane	106-93-4	6.15	<6.15	ug/kg dry	
Chlorobenzene	108-90-7	6.15	<6.15	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	6.15	<6.15	ug/kg dry	
Ethylbenzene	100-41-4	6.15	<6.15	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	12.3	<12.3	ug/kg dry	
Styrene	100-42-5	6.15	<6.15	ug/kg dry	
o-Xylene	95-47-6	6.15	<6.15	ug/kg dry	
Bromoform	75-25-2	6.15	<6.15	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	6.15	<6.15	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	6.15	<6.15	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	6.15	<6.15	ug/kg dry	
Bromobenzene	108-86-1	6.15	<6.15	ug/kg dry	
n-Propylbenzene	103-65-1	6.15	<6.15	ug/kg dry	
2-Chlorotoluene	95-49-8	6.15	<6.15	ug/kg dry	
4-Ethyltoluene	622-96-8	6.15	<6.15	ug/kg dry	2.B
4-Chlorotoluene	106-43-4	6.15	<6.15	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	6.15	<6.15	ug/kg dry	
tert-Butylbenzene	98-06-6	6.15	<6.15	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	6.15	<6.15	ug/kg dry	
sec-Butylbenzene	135-98-8	6.15	<6.15	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	6.15	<6.15	ug/kg dry	
4-Isopropyltoluene	99-87-6	6.15	<6.15	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	6.15	<6.15	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	6.15	<6.15	ug/kg dry	



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Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	6.15	<6.15	ug/kg dry	2.B
n-Butylbenzene	104-51-8	6.15	<6.15	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	6.15	<6.15	ug/kg dry	
1,2,4,5-Tetramethylbenzene	95-93-2	6.15	<6.15	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	6.15	<6.15	ug/kg dry	
Naphthalene	91-20-3	6.15	<6.15	ug/kg dry	
Hexachlorobutadiene	87-68-3	6.15	<6.15	ug/kg dry	
Acrylonitrile	107-13-1	6.15	<6.15	ug/kg dry	
1,4-Dioxane	123-91-1	6.15	<6.15	ug/kg dry	
Acrolein	107-02-8	6.15	<6.15	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	49.2	<49.2	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	49.2	<49.2	ug/kg dry	
Phenol	108-95-2	49.2	<49.2	ug/kg dry	
Aniline	62-53-3	49.2	<49.2	ug/kg dry	
2-Chlorophenol	95-57-8	49.2	<49.2	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	49.2	<49.2	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	49.2	<49.2	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	49.2	<49.2	ug/kg dry	
Benzyl alcohol	100-51-6	49.2	<49.2	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	49.2	<49.2	ug/kg dry	
2-Methylphenol	95-48-7	49.2	<49.2	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	49.2	<49.2	ug/kg dry	
Hexachloroethane	67-72-1	49.2	<49.2	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	49.2	<49.2	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	49.2	<49.2	ug/kg dry	
Nitrobenzene	98-95-3	49.2	<49.2	ug/kg dry	
Isophorone	78-59-1	49.2	<49.2	ug/kg dry	
2-Nitrophenol	88-75-5	49.2	<49.2	ug/kg dry	
2,4-Dimethylphenol	105-67-9	49.2	<49.2	ug/kg dry	
Benzoic Acid	65-85-0	49.2	<49.2	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	49.2	<49.2	ug/kg dry	
2,4-Dichlorophenol	120-83-2	49.2	<49.2	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	49.2	<49.2	ug/kg dry	
Naphthalene	91-20-3	49.2	<49.2	ug/kg dry	
4-Chloroaniline	106-47-8	49.2	<49.2	ug/kg dry	
Hexachlorobutadiene	87-68-3	49.2	<49.2	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	49.2	<49.2	ug/kg dry	
2-Methylnaphthalene	91-57-6	49.2	<49.2	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	49.2	<49.2	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	49.2	<49.2	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	49.2	<49.2	ug/kg dry	
2-Chloronaphthalene	91-58-7	49.2	<49.2	ug/kg dry	



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Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	49.2	<49.2	ug/kg dry	
Dimethyl phthalate	131-11-3	49.2	<49.2	ug/kg dry	
Acenaphthylene	208-96-8	49.2	<49.2	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	49.2	<49.2	ug/kg dry	
3-Nitroaniline	99-09-2	49.2	<49.2	ug/kg dry	
Acenaphthene	83-32-9	49.2	<49.2	ug/kg dry	
2,4-Dinitrophenol	51-28-5	49.2	<49.2	ug/kg dry	
Dibenzofuran	132-64-9	49.2	<49.2	ug/kg dry	
4-Nitrophenol	100-02-7	49.2	<49.2	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	49.2	<49.2	ug/kg dry	
Fluorene	86-73-7	49.2	<49.2	ug/kg dry	
Diethyl phthalate	84-66-2	49.2	<49.2	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	49.2	<49.2	ug/kg dry	
4-Nitroaniline	100-01-6	49.2	<49.2	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	49.2	<49.2	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	49.2	<49.2	ug/kg dry	
Azobenzene	103-33-3	49.2	<49.2	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	49.2	<49.2	ug/kg dry	
Hexachlorobenzene	118-74-1	49.2	<49.2	ug/kg dry	
Pentachlorophenol	87-86-5	49.2	<49.2	ug/kg dry	
Phenanthrene	85-01-8	49.2	<49.2	ug/kg dry	
Anthracene	120-12-7	49.2	<49.2	ug/kg dry	
Carbazole	86-74-8	49.2	<49.2	ug/kg dry	
Di-n-butyl phthalate	84-74-2	49.2	<49.2	ug/kg dry	
Fluoranthene	206-44-0	49.2	<49.2	ug/kg dry	
Pyrene	129-00-0	49.2	<49.2	ug/kg dry	
Benzidine	92-87-5	49.2	<49.2	ug/kg dry	4.G
Butyl benzyl phthalate	85-68-7	49.2	<49.2	ug/kg dry	
Benzo(a)anthracene	56-55-3	49.2	<49.2	ug/kg dry	
Chrysene	218-01-9	49.2	<49.2	ug/kg dry	
3,3'-Dichlorobenzidine	91-94-1	49.2	<49.2	ug/kg dry	4.K



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:00	Sample ID: SB-3 8-10'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	49.2	93.5	ug/kg dry	4.B
Di-n-octyl phthalate	117-84-0	49.2	<49.2	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	49.2	<49.2	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	49.2	<49.2	ug/kg dry	
Benzo(a)pyrene	50-32-8	49.2	<49.2	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	49.2	<49.2	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	49.2	<49.2	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	49.2	<49.2	ug/kg dry	

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Date (Time) Collected: 07/08/2011 13:00	Sample ID: SB-3 8-10'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	24.6	<24.6	ug/kg dry	
Aroclor-1260	11096-82-5	24.6	<24.6	ug/kg dry	
Aroclor 1221	11104-28-2	24.6	<24.6	ug/kg dry	
Aroclor 1232	11141-16-5	24.6	<24.6	ug/kg dry	
Aroclor 1242	53469-21-9	24.6	<24.6	ug/kg dry	
Aroclor 1248	12672-29-6	24.6	<24.6	ug/kg dry	
Aroclor 1254	11097-69-1	24.6	<24.6	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Date (Time) Collected: 07/08/2011 13:00	Sample ID: SB-3 8-10'
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-07
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	19.2	426	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Barium	07/12/2011	EPA 6010B	3.88	<3.88	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.16	<1.16	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	9.60	199	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Copper	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	19.2	712	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	1.92	175	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	9.60	<9.60	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.92	97.2	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	9.60	15.1	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.92	<1.92	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	1.92	6.21	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	<0.02	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1/SB-3
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	29.3	<29.3	ug/kg dry	3.B
Chlorodifluoromethane	75-45-6	29.3	<29.3	ug/kg dry	2.B, 3.B
Chloroethane	75-00-3	29.3	<29.3	ug/kg dry	3.B
Chloromethane	74-87-3	29.3	<29.3	ug/kg dry	3.B
Dichlorodifluoromethane	75-71-8	29.3	<29.3	ug/kg dry	3.B
Vinyl chloride	75-01-4	29.3	<29.3	ug/kg dry	3.B
Trichlorofluoromethane	75-69-4	29.3	<29.3	ug/kg dry	3.B
Acetone	67-64-1	293	<293	ug/kg dry	3.B
1,1-Dichloroethylene	75-35-4	29.3	<29.3	ug/kg dry	3.B
Methylene Chloride	75-09-2	29.3	<29.3	ug/kg dry	3.B
Carbon disulfide	75-15-0	29.3	<29.3	ug/kg dry	3.B
Methyl-tert-Butyl Ether	1634-04-4	29.3	<29.3	ug/kg dry	3.B
trans-1,2-Dichloroethylene	156-60-5	29.3	<29.3	ug/kg dry	3.B
1,1-Dichloroethane	75-34-3	29.3	<29.3	ug/kg dry	3.B
Vinyl acetate	108-05-4	29.3	<29.3	ug/kg dry	3.B
Methyl Ethyl Ketone (2-Butanone)	78-93-3	58.5	<58.5	ug/kg dry	3.B
cis-1,2-Dichloroethylene	156-59-2	29.3	<29.3	ug/kg dry	3.B
2,2-Dichloropropane	590-20-7	29.3	<29.3	ug/kg dry	3.B
Bromochloromethane	74-97-5	29.3	<29.3	ug/kg dry	3.B
Chloroform	67-66-3	29.3	<29.3	ug/kg dry	3.B
1,1,1-Trichloroethane	71-55-6	29.3	<29.3	ug/kg dry	3.B
1,2-Dichloroethane	107-06-2	29.3	<29.3	ug/kg dry	3.B
1,1-Dichloropropylene	563-58-6	29.3	<29.3	ug/kg dry	3.B
Carbon Tetrachloride	56-23-5	29.3	<29.3	ug/kg dry	3.B
Benzene	71-43-2	29.3	<29.3	ug/kg dry	3.B
Trichloroethylene	79-01-6	29.3	<29.3	ug/kg dry	3.B
1,2-Dichloropropane	78-87-5	29.3	<29.3	ug/kg dry	3.B
Dibromomethane	74-95-3	29.3	<29.3	ug/kg dry	3.B
Bromodichloromethane	75-27-4	29.3	<29.3	ug/kg dry	3.B
2-Chloroethyl Vinyl Ether	110-75-8	29.3	<29.3	ug/kg dry	3.B
Methyl Isobutyl Ketone	108-10-1	58.5	<58.5	ug/kg dry	3.B
cis-1,3-Dichloropropylene	10061-01-5	29.3	<29.3	ug/kg dry	3.B



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Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	29.3	<29.3	ug/kg dry	3.B
trans-1,3-Dichloropropylene	10061-02-6	29.3	<29.3	ug/kg dry	3.B
1,1,2-Trichloroethane	79-00-5	29.3	<29.3	ug/kg dry	3.B
Methyl Butyl Ketone (2-Hexanone)	591-78-6	29.3	<29.3	ug/kg dry	3.B
1,3-Dichloropropane	142-28-9	29.3	<29.3	ug/kg dry	3.B
Dibromochloromethane	124-48-1	29.3	<29.3	ug/kg dry	3.B
Tetrachloroethylene	127-18-4	29.3	<29.3	ug/kg dry	3.B
1,2-Dibromoethane	106-93-4	29.3	<29.3	ug/kg dry	3.B
Chlorobenzene	108-90-7	29.3	<29.3	ug/kg dry	3.B
1,1,1,2-Tetrachloroethane	630-20-6	29.3	<29.3	ug/kg dry	3.B
Ethylbenzene	100-41-4	29.3	<29.3	ug/kg dry	3.B
m,p-Xylenes	108-38-3/106-42-3	58.5	<58.5	ug/kg dry	3.B
Styrene	100-42-5	29.3	<29.3	ug/kg dry	3.B
o-Xylene	95-47-6	29.3	<29.3	ug/kg dry	3.B
Bromoform	75-25-2	29.3	<29.3	ug/kg dry	3.B
1,1,2,2-Tetrachloroethane	79-34-5	29.3	<29.3	ug/kg dry	3.B
Isopropylbenzene (Cumene)	98-82-8	29.3	<29.3	ug/kg dry	3.B
1,2,3-Trichloropropane	96-18-4	29.3	<29.3	ug/kg dry	3.B
Bromobenzene	108-86-1	29.3	<29.3	ug/kg dry	3.B
n-Propylbenzene	103-65-1	29.3	<29.3	ug/kg dry	3.B
2-Chlorotoluene	95-49-8	29.3	<29.3	ug/kg dry	3.B
4-Ethyltoluene	622-96-8	29.3	<29.3	ug/kg dry	2.B, 3.B
4-Chlorotoluene	106-43-4	29.3	<29.3	ug/kg dry	3.B
1,3,5-Trimethylbenzene	108-67-8	29.3	<29.3	ug/kg dry	3.B
tert-Butylbenzene	98-06-6	29.3	<29.3	ug/kg dry	3.B
1,2,4-Trimethylbenzene	95-63-6	29.3	<29.3	ug/kg dry	3.B
sec-Butylbenzene	135-98-8	29.3	<29.3	ug/kg dry	3.B
1,3-Dichlorobenzene	541-73-1	29.3	<29.3	ug/kg dry	3.B
4-Isopropyltoluene	99-87-6	29.3	34.6	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	29.3	<29.3	ug/kg dry	3.B
1,2-Dichlorobenzene	95-50-1	29.3	<29.3	ug/kg dry	3.B



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,4-Diethylbenzene	105-05-5	29.3	<29.3	ug/kg dry	2.B, 3.B
n-Butylbenzene	104-51-8	29.3	<29.3	ug/kg dry	3.B
1,2-Dibromo-3-chloropropane	96-12-8	29.3	<29.3	ug/kg dry	3.B
1,2,4,5-Tetramethylbenzene	95-93-2	29.3	917	ug/kg dry	2.B
1,2,4-Trichlorobenzene	120-82-1	29.3	<29.3	ug/kg dry	3.B
Naphthalene	91-20-3	29.3	<29.3	ug/kg dry	3.B
Hexachlorobutadiene	87-68-3	29.3	<29.3	ug/kg dry	3.B
Acrylonitrile	107-13-1	29.3	<29.3	ug/kg dry	3.B
1,4-Dioxane	123-91-1	29.3	<29.3	ug/kg dry	3.B
Acrolein	107-02-8	29.3	<29.3	ug/kg dry	3.B

Date Extracted: 07/12/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/12/2011

Analytical Method: EPA 8260B



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	46.8	<46.8	ug/kg dry	
N-Nitrosodimethylamine	62-75-9	46.8	<46.8	ug/kg dry	
Phenol	108-95-2	46.8	<46.8	ug/kg dry	
Aniline	62-53-3	46.8	<46.8	ug/kg dry	
2-Chlorophenol	95-57-8	46.8	<46.8	ug/kg dry	
Bis(2-Chloroethyl)ether	111-44-4	46.8	<46.8	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	46.8	<46.8	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	46.8	<46.8	ug/kg dry	
Benzyl alcohol	100-51-6	46.8	<46.8	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	46.8	<46.8	ug/kg dry	
2-Methylphenol	95-48-7	46.8	<46.8	ug/kg dry	
Bis(2-chloroisopropyl)ether	39638-32-9	46.8	<46.8	ug/kg dry	
Hexachloroethane	67-72-1	46.8	<46.8	ug/kg dry	
3/4-Methylphenol	108-39-4/106-44-5	46.8	<46.8	ug/kg dry	
N-Nitroso-di-n-propylamine	621-64-7	46.8	<46.8	ug/kg dry	
Nitrobenzene	98-95-3	46.8	<46.8	ug/kg dry	
Isophorone	78-59-1	46.8	<46.8	ug/kg dry	
2-Nitrophenol	88-75-5	46.8	<46.8	ug/kg dry	
2,4-Dimethylphenol	105-67-9	46.8	<46.8	ug/kg dry	
Benzoic Acid	65-85-0	46.8	<46.8	ug/kg dry	
bis(2-Chloroethoxy)methane	111-91-1	46.8	<46.8	ug/kg dry	
2,4-Dichlorophenol	120-83-2	46.8	<46.8	ug/kg dry	
1,2,4-Trichlorobenzene	120-82-1	46.8	<46.8	ug/kg dry	
Naphthalene	91-20-3	46.8	<46.8	ug/kg dry	
4-Chloroaniline	106-47-8	46.8	<46.8	ug/kg dry	
Hexachlorobutadiene	87-68-3	46.8	<46.8	ug/kg dry	
4-Chloro-3-methylphenol	59-50-7	46.8	<46.8	ug/kg dry	
2-Methylnaphthalene	91-57-6	46.8	<46.8	ug/kg dry	
Hexachlorocyclopentadiene	77-47-4	46.8	<46.8	ug/kg dry	
2,4,6-Trichlorophenol	88-06-2	46.8	<46.8	ug/kg dry	
2,4,5-Trichlorophenol	95-95-4	46.8	<46.8	ug/kg dry	
2-Chloronaphthalene	91-58-7	46.8	<46.8	ug/kg dry	



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	46.8	<46.8	ug/kg dry	
Dimethyl phthalate	131-11-3	46.8	<46.8	ug/kg dry	
Acenaphthylene	208-96-8	46.8	<46.8	ug/kg dry	
2,6-Dinitrotoluene	606-20-2	46.8	<46.8	ug/kg dry	
3-Nitroaniline	99-09-2	46.8	<46.8	ug/kg dry	
Acenaphthene	83-32-9	46.8	<46.8	ug/kg dry	
2,4-Dinitrophenol	51-28-5	46.8	<46.8	ug/kg dry	
Dibenzofuran	132-64-9	46.8	<46.8	ug/kg dry	
4-Nitrophenol	100-02-7	46.8	<46.8	ug/kg dry	
2,4-Dinitrotoluene	121-14-2	46.8	<46.8	ug/kg dry	
Fluorene	86-73-7	46.8	<46.8	ug/kg dry	
Diethyl phthalate	84-66-2	46.8	<46.8	ug/kg dry	
4-Chlorophenyl phenyl ether	7005-72-3	46.8	<46.8	ug/kg dry	
4-Nitroaniline	100-01-6	46.8	<46.8	ug/kg dry	
4,6-Dinitro-2-methylphenol	534-52-1	46.8	<46.8	ug/kg dry	
N-Nitrosodiphenylamine	86-30-6	46.8	<46.8	ug/kg dry	
Azobenzene	103-33-3	46.8	<46.8	ug/kg dry	
4-Bromophenyl phenyl ether	101-55-3	46.8	<46.8	ug/kg dry	
Hexachlorobenzene	118-74-1	46.8	<46.8	ug/kg dry	
Pentachlorophenol	87-86-5	46.8	<46.8	ug/kg dry	
Phenanthrene	85-01-8	46.8	184	ug/kg dry	
Anthracene	120-12-7	46.8	<46.8	ug/kg dry	
Carbazole	86-74-8	46.8	<46.8	ug/kg dry	
Di-n-butyl phthalate	84-74-2	46.8	<46.8	ug/kg dry	
Fluoranthene	206-44-0	46.8	152	ug/kg dry	4.B
Pyrene	129-00-0	46.8	411	ug/kg dry	
Benzidine	92-87-5	46.8	<46.8	ug/kg dry	4.G
Butyl benzyl phthalate	85-68-7	46.8	<46.8	ug/kg dry	
Benzo(a)anthracene	56-55-3	46.8	46.8	ug/kg dry	
Chrysene	218-01-9	46.8	82.7	ug/kg dry	4.B
3,3'-Dichlorobenzidine	91-94-1	46.8	<46.8	ug/kg dry	4.K



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Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	46.8	<46.8	ug/kg dry	
Di-n-octyl phthalate	117-84-0	46.8	<46.8	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	46.8	62.4	ug/kg dry	4.B
Benzo(k)fluoranthene	207-08-9	46.8	<46.8	ug/kg dry	
Benzo(a)pyrene	50-32-8	46.8	49.2	ug/kg dry	4.B
Indeno(1,2,3-cd)pyrene	193-39-5	46.8	<46.8	ug/kg dry	
Dibenzo(a,h)anthracene	53-70-3	46.8	<46.8	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	46.8	71.8	ug/kg dry	4.B

Date Extracted: 07/11/2011

Preparation Method: EPA 3545

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1/SB-3
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	23.4	<23.4	ug/kg dry	
Aroclor-1260	11096-82-5	23.4	<23.4	ug/kg dry	
Aroclor 1221	11104-28-2	23.4	<23.4	ug/kg dry	
Aroclor 1232	11141-16-5	23.4	<23.4	ug/kg dry	
Aroclor 1242	53469-21-9	23.4	<23.4	ug/kg dry	
Aroclor 1248	12672-29-6	23.4	<23.4	ug/kg dry	
Aroclor 1254	11097-69-1	23.4	<23.4	ug/kg dry	

Date Extracted: 07/12/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8082



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 08:30	Sample ID: SB-1/SB-3
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-08
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 6010B	18.6	1370	mg/kg dry	4.F
Antimony	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Arsenic	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Barium	07/12/2011	EPA 6010B	3.75	9.16	mg/kg dry	4.F
Beryllium	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Cadmium	07/12/2011	EPA 6010B	1.13	<1.13	mg/kg dry	
Calcium	07/12/2011	EPA 6010B	9.29	305	mg/kg dry	4.F
Chromium	07/12/2011	EPA 6010B	1.86	3.45	mg/kg dry	
Cobalt	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Copper	07/12/2011	EPA 6010B	1.86	3.51	mg/kg dry	4.F
Iron	07/12/2011	EPA 6010B	37.2	2550	mg/kg dry	4.F
Lead	07/12/2011	EPA 6010B	1.86	9.78	mg/kg dry	4.F
Magnesium	07/12/2011	EPA 6010B	1.86	436	mg/kg dry	
Manganese	07/12/2011	EPA 6010B	9.29	33.8	mg/kg dry	4.F
Nickel	07/12/2011	EPA 6010B	1.86	3.06	mg/kg dry	
Potassium	07/12/2011	EPA 6010B	1.86	184	mg/kg dry	4.H
Selenium	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Silver	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Sodium	07/12/2011	EPA 6010B	9.29	33.5	mg/kg dry	4.F
Thallium	07/12/2011	EPA 6010B	1.86	<1.86	mg/kg dry	
Vanadium	07/12/2011	EPA 6010B	1.86	4.17	mg/kg dry	
Zinc	07/12/2011	EPA 6010B	1.86	14.4	mg/kg dry	4.F

Date Extracted: 07/12/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/12/2011

Analytical Method: EPA 6010B

Mercury	07/13/2011	EPA 7471A	0.02	0.05	mg/kg dry	
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Date Extracted: 07/12/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/13/2011

Analytical Method: EPA 7471A



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.00	<5.00	ug/L	
Chloroethane	75-00-3	5.00	<5.00	ug/L	
Chloromethane	74-87-3	5.00	<5.00	ug/L	
Dichlorodifluoromethane	75-71-8	5.00	<5.00	ug/L	
Vinyl chloride	75-01-4	5.00	<5.00	ug/L	
Trichlorofluoromethane	75-69-4	5.00	<5.00	ug/L	
Acetone	67-64-1	20.0	<20.0	ug/L	4.E
1,1-Dichloroethylene	75-35-4	5.00	<5.00	ug/L	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.00	<5.00	ug/L	
Methylene Chloride	75-09-2	5.00	<5.00	ug/L	
Carbon disulfide	75-15-0	5.00	<5.00	ug/L	
Methyl-tert-Butyl Ether	1634-04-4	5.00	<5.00	ug/L	
trans-1,2-Dichloroethylene	156-60-5	5.00	<5.00	ug/L	
1,1-Dichloroethane	75-34-3	5.00	<5.00	ug/L	
Vinyl acetate	108-05-4	5.00	<5.00	ug/L	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.0	<10.0	ug/L	4.E
cis-1,2-Dichloroethylene	156-59-2	5.00	<5.00	ug/L	
2,2-Dichloropropane	590-20-7	5.00	<5.00	ug/L	
Bromochloromethane	74-97-5	5.00	<5.00	ug/L	
Chloroform	67-66-3	5.00	<5.00	ug/L	
1,1,1-Trichloroethane	71-55-6	5.00	<5.00	ug/L	
1,2-Dichloroethane	107-06-2	5.00	<5.00	ug/L	
1,1-Dichloropropylene	563-58-6	5.00	<5.00	ug/L	
Carbon Tetrachloride	56-23-5	5.00	<5.00	ug/L	
Benzene	71-43-2	0.700	<0.700	ug/L	
Trichloroethylene	79-01-6	5.00	<5.00	ug/L	
1,2-Dichloropropane	78-87-5	5.00	<5.00	ug/L	
Dibromomethane	74-95-3	5.00	<5.00	ug/L	
Bromodichloromethane	75-27-4	5.00	<5.00	ug/L	
2-Chloroethyl Vinyl Ether	110-75-8	5.00	<5.00	ug/L	
Methyl Isobutyl Ketone	108-10-1	10.0	<10.0	ug/L	
cis-1,3-Dichloropropylene	10061-01-5	5.00	<5.00	ug/L	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	5.00	<5.00	ug/L	
trans-1,3-Dichloropropylene	10061-02-6	5.00	<5.00	ug/L	
1,1,2-Trichloroethane	79-00-5	5.00	<5.00	ug/L	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.00	<5.00	ug/L	
1,3-Dichloropropane	142-28-9	5.00	<5.00	ug/L	
Dibromochloromethane	124-48-1	5.00	<5.00	ug/L	
Tetrachloroethylene	127-18-4	5.00	<5.00	ug/L	
1,2-Dibromoethane	106-93-4	5.00	<5.00	ug/L	
Chlorobenzene	108-90-7	5.00	<5.00	ug/L	
1,1,1,2-Tetrachloroethane	630-20-6	5.00	<5.00	ug/L	
Ethylbenzene	100-41-4	5.00	<5.00	ug/L	
m,p-Xylenes	108-38-3/106-42-3	10.0	<10.0	ug/L	
Styrene	100-42-5	5.00	<5.00	ug/L	
o-Xylene	95-47-6	5.00	<5.00	ug/L	
Bromoform	75-25-2	5.00	<5.00	ug/L	
1,1,2,2-Tetrachloroethane	79-34-5	5.00	<5.00	ug/L	
Isopropylbenzene (Cumene)	98-82-8	5.00	<5.00	ug/L	
1,2,3-Trichloropropane	96-18-4	5.00	<5.00	ug/L	
Bromobenzene	108-86-1	5.00	<5.00	ug/L	
n-Propylbenzene	103-65-1	5.00	<5.00	ug/L	
2-Chlorotoluene	95-49-8	5.00	<5.00	ug/L	
4-Chlorotoluene	106-43-4	5.00	<5.00	ug/L	
1,3,5-Trimethylbenzene	108-67-8	5.00	<5.00	ug/L	
tert-Butylbenzene	98-06-6	5.00	<5.00	ug/L	
1,2,4-Trimethylbenzene	95-63-6	5.00	<5.00	ug/L	
sec-Butylbenzene	135-98-8	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	5.00	<5.00	ug/L	
4-Isopropyltoluene	99-87-6	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	5.00	<5.00	ug/L	
n-Butylbenzene	104-51-8	5.00	<5.00	ug/L	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,2-Dibromo-3-chloropropane	96-12-8	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	5.00	<5.00	ug/L	
Naphthalene	91-20-3	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	5.00	<5.00	ug/L	
1,2,3-Trichlorobenzene	87-61-6	5.00	<5.00	ug/L	
Acrylonitrile	107-13-1	5.00	<5.00	ug/L	
1,4-Dioxane	123-91-1	5.00	<5.00	ug/L	
Acrolein	107-02-8	5.00	<5.00	ug/L	

Date Extracted: 07/11/2011

Preparation Method: EPA 5030B

Date Analyzed: 07/11/2011

Analytical Method: EPA 8260B



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Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	5.00	<5.00	ug/L	
N-Nitrosodimethylamine	62-75-9	5.00	<5.00	ug/L	
Phenol	108-95-2	5.00	<5.00	ug/L	
Aniline	62-53-3	5.00	<5.00	ug/L	
2-Chlorophenol	95-57-8	5.00	<5.00	ug/L	
Bis(2-Chloroethyl)ether	111-44-4	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	5.00	<5.00	ug/L	
Benzyl alcohol	100-51-6	5.00	6.28	ug/L	4.B
1,2-Dichlorobenzene	95-50-1	5.00	<5.00	ug/L	
2-Methylphenol	95-48-7	5.00	<5.00	ug/L	
Bis(2-chloroisopropyl)ether	39638-32-9	5.00	<5.00	ug/L	
Hexachloroethane	67-72-1	5.00	<5.00	ug/L	
3/4-Methylphenol	108-39-4/106-44-5	5.00	<5.00	ug/L	
N-Nitroso-di-n-propylamine	621-64-7	5.00	<5.00	ug/L	
Nitrobenzene	98-95-3	5.00	<5.00	ug/L	
Isophorone	78-59-1	5.00	<5.00	ug/L	
2-Nitrophenol	88-75-5	5.00	<5.00	ug/L	
2,4-Dimethylphenol	105-67-9	5.00	<5.00	ug/L	
Benzoic Acid	65-85-0	5.00	<5.00	ug/L	
bis(2-Chloroethoxy)methane	111-91-1	5.00	<5.00	ug/L	
2,4-Dichlorophenol	120-83-2	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	5.00	<5.00	ug/L	
Naphthalene	91-20-3	5.00	<5.00	ug/L	
4-Chloroaniline	106-47-8	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	5.00	<5.00	ug/L	
4-Chloro-3-methylphenol	59-50-7	5.00	<5.00	ug/L	
2-Methylnaphthalene	91-57-6	5.00	<5.00	ug/L	
Hexachlorocyclopentadiene	77-47-4	5.00	<5.00	ug/L	
2,4,6-Trichlorophenol	88-06-2	5.00	<5.00	ug/L	
2,4,5-Trichlorophenol	95-95-4	5.00	<5.00	ug/L	
2-Chloronaphthalene	91-58-7	5.00	<5.00	ug/L	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	5.00	<5.00	ug/L	
Dimethyl phthalate	131-11-3	5.00	<5.00	ug/L	
Acenaphthylene	208-96-8	5.00	<5.00	ug/L	
2,6-Dinitrotoluene	606-20-2	5.00	<5.00	ug/L	
3-Nitroaniline	99-09-2	5.00	<5.00	ug/L	
Acenaphthene	83-32-9	5.00	<5.00	ug/L	
2,4-Dinitrophenol	51-28-5	5.00	<5.00	ug/L	
Dibenzofuran	132-64-9	5.00	<5.00	ug/L	
4-Nitrophenol	100-02-7	5.00	<5.00	ug/L	
2,4-Dinitrotoluene	121-14-2	5.00	<5.00	ug/L	
Fluorene	86-73-7	5.00	<5.00	ug/L	
Diethyl phthalate	84-66-2	5.00	<5.00	ug/L	
4-Chlorophenyl phenyl ether	7005-72-3	5.00	<5.00	ug/L	
4-Nitroaniline	100-01-6	5.00	<5.00	ug/L	
4,6-Dinitro-2-methylphenol	534-52-1	5.00	<5.00	ug/L	
N-Nitrosodiphenylamine	86-30-6	5.00	<5.00	ug/L	
Azobenzene	103-33-3	5.00	<5.00	ug/L	
4-Bromophenyl phenyl ether	101-55-3	5.00	<5.00	ug/L	
Hexachlorobenzene	118-74-1	5.00	<5.00	ug/L	
Pentachlorophenol	87-86-5	5.00	<5.00	ug/L	
Phenanthrene	85-01-8	5.00	<5.00	ug/L	
Anthracene	120-12-7	5.00	<5.00	ug/L	
Carbazole	86-74-8	5.00	<5.00	ug/L	
Di-n-butyl phthalate	84-74-2	5.00	<5.00	ug/L	
Fluoranthene	206-44-0	5.00	<5.00	ug/L	
Pyrene	129-00-0	5.00	<5.00	ug/L	
Benzidine	92-87-5	5.00	<5.00	ug/L	
Butyl benzyl phthalate	85-68-7	5.00	<5.00	ug/L	
Benzo(a)anthracene	56-55-3	5.00	<5.00	ug/L	
Chrysene	218-01-9	5.00	<5.00	ug/L	
3,3'-Dichlorobenzidine	91-94-1	5.00	<5.00	ug/L	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	5.00	<5.00	ug/L	
Di-n-octyl phthalate	117-84-0	5.00	<5.00	ug/L	
Benzo(b)fluoranthene	205-99-2	5.00	<5.00	ug/L	
Benzo(k)fluoranthene	207-08-9	5.00	<5.00	ug/L	
Benzo(a)pyrene	50-32-8	5.00	<5.00	ug/L	
Indeno(1,2,3-cd)pyrene	193-39-5	5.00	<5.00	ug/L	
Dibenzo(a,h)anthracene	53-70-3	5.00	<5.00	ug/L	
Benzo(g,h,i)perylene	191-24-2	5.00	<5.00	ug/L	

Date Extracted: 07/12/2011

Preparation Method: EPA 3510C

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	20.0	<20.0	ug/L	
Aroclor-1260	11096-82-5	20.0	<20.0	ug/L	
Aroclor 1221	11104-28-2	20.0	<20.0	ug/L	
Aroclor 1232	11141-16-5	20.0	<20.0	ug/L	
Aroclor 1242	53469-21-9	20.0	<20.0	ug/L	
Aroclor 1248	12672-29-6	20.0	<20.0	ug/L	
Aroclor 1254	11097-69-1	20.0	<20.0	ug/L	

Date Extracted: 07/15/2011

Preparation Method: EPA 3510C

Date Analyzed: 07/18/2011

Analytical Method: EPA 8082



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 13:30	Sample ID: Soil Field Blank
Date (Time) Received: 07/11/2011 15:04	Laboratory ID: 1071113-09
Matrix: Non-Potable Water	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Calcium	07/12/2011	EPA 200.7 Rev. 4.4	0.50	<0.50	mg/L	
Antimony	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Arsenic	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Barium	07/12/2011	EPA 200.7 Rev. 4.4	1.00	<1.00	mg/L	
Beryllium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Cadmium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Chromium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Cobalt	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Copper	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Iron	07/12/2011	EPA 200.7 Rev. 4.4	0.10	0.10	mg/L	
Lead	07/12/2011	EPA 200.7 Rev. 4.4	0.005	<0.005	mg/L	
Magnesium	07/12/2011	EPA 200.7 Rev. 4.4	0.10	<0.10	mg/L	
Manganese	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Nickel	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Potassium	07/12/2011	EPA 200.7 Rev. 4.4	0.10	<0.10	mg/L	
Selenium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Silver	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Sodium	07/12/2011	EPA 200.7 Rev. 4.4	0.10	0.11	mg/L	4.G
Thallium	07/12/2011	EPA 200.7 Rev. 4.4	0.50	<0.50	mg/L	
Vanadium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Zinc	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	

Date Extracted: 07/12/2011

Preparation Method: EPA 200.2

Date Analyzed: 07/12/2011

Analytical Method: EPA 200.7 Rev. 4.4

Mercury	07/13/2011	EPA 245.1 Rev. 3.0	0.002	<0.002	mg/L	
---------	------------	--------------------	-------	--------	------	--

Date Extracted: 07/12/2011

Preparation Method: EPA 245.1

Date Analyzed: 07/13/2011

Analytical Method: EPA 245.1 Rev. 3.0



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Data Qualifiers Key Reference:

- 2.B Parameter not certifiable by NELAP
- 3.A Minimum detection limit raised due to matrix interference.
- 3.B Minimum detection limit raised due to target compound interference.
- 4.B Data reported below the lower limit of quantitation and should be considered to have an increased quantitative uncertainty.
- 4.C Target compound found in blank
- 4.E QC does not meet acceptance criteria
- 4.F Spike recovery does not meet QC criteria due to high target compound concentration
- 4.G Spike recovery out of range due to matrix interference
- 4.H Spike recovery out of range due to matrix inconsistency
- 4.K Continuing Calibration Verification (CCV) quality control levels high
- 4.L Surrogate recovery is outside the acceptance criteria
- MRL Minimum Reporting Limit



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CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

(14)

CLIENT NAME/ADDRESS
53 West Hills Road
Huntington NY
Station

CONTACT: Scott
PHONE: 673 0612
FAX:

SAMPLER (SIGNATURE)
SAMPLER NAME (PRINT)
DATE
TIME

DATE
TIME
CORRECT CONTAINER(S)
YES/NO

DATE
TIME
PRINTED NAME

PROJECT LOCATION:
67 Brighton 1st Lane, Brooklyn, NY (11-257)

SAMPLES RECEIVED AT
4.0 °C

LABORATORY ID #	MATRIX	TYPE	PH	RES. CHLORINE	PRES.	DATE	TIME	SAMPLE #	LOCATION	ANALYSIS REQUIRED	# OF CONTAINERS
1. 1113-01	SG					7-8-11	0930	SB-1 (0-2')		6010C TAL 8260C VOCs 8270D SVOCs 8082A PCBs Field Blanks Duplicate	3
2. 02								SB-2 (0-2')			
3. 03								SB-3 (0-2')			
4. 04								Dup (0-2')			
5. 05								SB-1 (6-8')			
6. 06								SB-2 (6-8')			
7. 07								SB-3 (8-10')			
8. 08	SC							SB-1/SB-3			3
9. 09	Ww							Soil Field Blank			4
10.											
11.											
12.											
13.											
14.											

MATRIX: S=SOIL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WPE;
PC=PAINT CHIPS; BM=BULK MATERIAL; O=OIL; WW=WASTE WATER
TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT SPOON
PRES: (1) ICE; (2) HCL; (3) H₂SO₄; (4) NaOH; (5) Na₂S₂O₃; (6) HNO₃; (7) OTHER

TURNAROUND REQUIRED:
 NORMAL STAT

COMMENTS / INSTRUCTIONS
SVOS Analysis is 8270 PAHs

RELINQUISHED BY (SIGNATURE)	DATE	PRINTED NAME	RECEIVED BY (SIGNATURE)	DATE	PRINTED NAME
[Signature]	7-11-11	Tom Johnson	[Signature]	7-11-11	Chris O'Neil
[Signature]	0933	Tom Johnson	[Signature]	7-11-11	Ben Anderson



LIAL# 1071414

July 19, 2011

Page 1 of 7

Laurel Environmental
Brendan Moran
53 West Hills Road
Huntington Station NY, 11746

Re: 67 Brighton 1 Lane

Dear Brendan Moran,

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on July 14, 2011. Long Island Analytical Laboratories analyzed the samples on July 18, 2011 for the following:

CLIENT ID	ANALYSIS
SB-3A 6-8'	EPA 8082, EPA 8260B, EPA 8270 PAH, RCRA 23

Samples received at 2.7 ° C

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Michael Veraldi - Laboratory Director

Client: Laurel Environmental	Client ID: 67 Brighton 1 Lane
Date (Time) Collected: 07/14/2011 14:00	Sample ID: SB-3A 6-8'
Date (Time) Received: 07/14/2011 17:44	Laboratory ID: 1071414-01
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.63	<5.63	ug/kg dry	
Chloroethane	75-00-3	5.63	<5.63	ug/kg dry	
Chloromethane	74-87-3	5.63	<5.63	ug/kg dry	
Dichlorodifluoromethane	75-71-8	5.63	<5.63	ug/kg dry	
Vinyl chloride	75-01-4	5.63	<5.63	ug/kg dry	
Trichlorofluoromethane	75-69-4	5.63	<5.63	ug/kg dry	
Acetone	67-64-1	56.3	<56.3	ug/kg dry	
1,1-Dichloroethylene	75-35-4	5.63	<5.63	ug/kg dry	
Methylene Chloride	75-09-2	5.63	<5.63	ug/kg dry	
Carbon disulfide	75-15-0	5.63	<5.63	ug/kg dry	
Methyl-tert-Butyl Ether	1634-04-4	5.63	<5.63	ug/kg dry	
trans-1,2-Dichloroethylene	156-60-5	5.63	<5.63	ug/kg dry	
1,1-Dichloroethane	75-34-3	5.63	<5.63	ug/kg dry	
Vinyl acetate	108-05-4	5.63	<5.63	ug/kg dry	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	11.3	<11.3	ug/kg dry	
cis-1,2-Dichloroethylene	156-59-2	5.63	<5.63	ug/kg dry	
2,2-Dichloropropane	590-20-7	5.63	<5.63	ug/kg dry	
Bromochloromethane	74-97-5	5.63	<5.63	ug/kg dry	
Chloroform	67-66-3	5.63	<5.63	ug/kg dry	
1,1,1-Trichloroethane	71-55-6	5.63	<5.63	ug/kg dry	
1,2-Dichloroethane	107-06-2	5.63	<5.63	ug/kg dry	
1,1-Dichloropropylene	563-58-6	5.63	<5.63	ug/kg dry	
Carbon Tetrachloride	56-23-5	5.63	<5.63	ug/kg dry	
Benzene	71-43-2	5.63	<5.63	ug/kg dry	
Trichloroethylene	79-01-6	5.63	<5.63	ug/kg dry	
1,2-Dichloropropane	78-87-5	5.63	<5.63	ug/kg dry	
Dibromomethane	74-95-3	5.63	<5.63	ug/kg dry	
Bromodichloromethane	75-27-4	5.63	<5.63	ug/kg dry	
2-Chloroethyl Vinyl Ether	110-75-8	5.63	<5.63	ug/kg dry	
Methyl Isobutyl Ketone	108-10-1	11.3	<11.3	ug/kg dry	
cis-1,3-Dichloropropylene	10061-01-5	5.63	<5.63	ug/kg dry	
Toluene	108-88-3	5.63	<5.63	ug/kg dry	



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Client: Laurel Environmental	Client ID: 67 Brighton 1 Lane
Date (Time) Collected: 07/14/2011 14:00	Sample ID: SB-3A 6-8'
Date (Time) Received: 07/14/2011 17:44	Laboratory ID: 1071414-01
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
trans-1,3-Dichloropropylene	10061-02-6	5.63	<5.63	ug/kg dry	
1,1,2-Trichloroethane	79-00-5	5.63	<5.63	ug/kg dry	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.63	<5.63	ug/kg dry	
1,3-Dichloropropane	142-28-9	5.63	<5.63	ug/kg dry	
Dibromochloromethane	124-48-1	5.63	<5.63	ug/kg dry	
Tetrachloroethylene	127-18-4	5.63	<5.63	ug/kg dry	
1,2-Dibromoethane	106-93-4	5.63	<5.63	ug/kg dry	
Chlorobenzene	108-90-7	5.63	<5.63	ug/kg dry	
1,1,1,2-Tetrachloroethane	630-20-6	5.63	<5.63	ug/kg dry	
Ethylbenzene	100-41-4	5.63	<5.63	ug/kg dry	
m,p-Xylenes	108-38-3/106-42-3	11.3	<11.3	ug/kg dry	
Styrene	100-42-5	5.63	<5.63	ug/kg dry	
o-Xylene	95-47-6	5.63	<5.63	ug/kg dry	
Bromoform	75-25-2	5.63	<5.63	ug/kg dry	
1,1,2,2-Tetrachloroethane	79-34-5	5.63	<5.63	ug/kg dry	
Isopropylbenzene (Cumene)	98-82-8	5.63	<5.63	ug/kg dry	
1,2,3-Trichloropropane	96-18-4	5.63	<5.63	ug/kg dry	
Bromobenzene	108-86-1	5.63	<5.63	ug/kg dry	
n-Propylbenzene	103-65-1	5.63	<5.63	ug/kg dry	
2-Chlorotoluene	95-49-8	5.63	<5.63	ug/kg dry	
4-Chlorotoluene	106-43-4	5.63	<5.63	ug/kg dry	
1,3,5-Trimethylbenzene	108-67-8	5.63	<5.63	ug/kg dry	
tert-Butylbenzene	98-06-6	5.63	<5.63	ug/kg dry	
1,2,4-Trimethylbenzene	95-63-6	5.63	<5.63	ug/kg dry	
sec-Butylbenzene	135-98-8	5.63	<5.63	ug/kg dry	
1,3-Dichlorobenzene	541-73-1	5.63	<5.63	ug/kg dry	
4-Isopropyltoluene	99-87-6	5.63	<5.63	ug/kg dry	
1,4-Dichlorobenzene	106-46-7	5.63	<5.63	ug/kg dry	
1,2-Dichlorobenzene	95-50-1	5.63	<5.63	ug/kg dry	
n-Butylbenzene	104-51-8	5.63	<5.63	ug/kg dry	
1,2-Dibromo-3-chloropropane	96-12-8	5.63	<5.63	ug/kg dry	



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Client: Laurel Environmental	Client ID: 67 Brighton 1 Lane
Date (Time) Collected: 07/14/2011 14:00	Sample ID: SB-3A 6-8'
Date (Time) Received: 07/14/2011 17:44	Laboratory ID: 1071414-01
Matrix: Soil	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,2,4-Trichlorobenzene	120-82-1	5.63	<5.63	ug/kg dry	
Naphthalene	91-20-3	5.63	<5.63	ug/kg dry	
Hexachlorobutadiene	87-68-3	5.63	<5.63	ug/kg dry	
Acrylonitrile	107-13-1	5.63	<5.63	ug/kg dry	
1,4-Dioxane	123-91-1	5.63	<5.63	ug/kg dry	
Acrolein	107-02-8	5.63	<5.63	ug/kg dry	

Date Extracted: 07/14/2011

Preparation Method: EPA 5030C Modified

Date Analyzed: 07/15/2011

Analytical Method: EPA 8260B



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Client: Laurel Environmental	Client ID: 67 Brighton 1 Lane
Date (Time) Collected: 07/14/2011 14:00	Sample ID: SB-3A 6-8'
Date (Time) Received: 07/14/2011 17:44	Laboratory ID: 1071414-01
Matrix: Soil	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Naphthalene	91-20-3	45.1	69.9	ug/kg dry	4.B
Acenaphthylene	208-96-8	45.1	<45.1	ug/kg dry	
Acenaphthene	83-32-9	45.1	113	ug/kg dry	4.B
Fluorene	86-73-7	45.1	70.6	ug/kg dry	4.B
Phenanthrene	85-01-8	45.1	708	ug/kg dry	
Anthracene	120-12-7	45.1	107	ug/kg dry	4.B
Fluoranthene	206-44-0	45.1	654	ug/kg dry	
Pyrene	129-00-0	45.1	578	ug/kg dry	
Benzo(a)anthracene	56-55-3	45.1	289	ug/kg dry	
Chrysene	218-01-9	45.1	268	ug/kg dry	
Benzo(b)fluoranthene	205-99-2	45.1	313	ug/kg dry	
Benzo(k)fluoranthene	207-08-9	45.1	108	ug/kg dry	4.B
Benzo(a)pyrene	50-32-8	45.1	221	ug/kg dry	
Indeno(1,2,3-cd)pyrene	193-39-5	45.1	125	ug/kg dry	4.B
Dibenzo(a,h)anthracene	53-70-3	45.1	<45.1	ug/kg dry	
Benzo(g,h,i)perylene	191-24-2	45.1	163	ug/kg dry	

Date Extracted: 07/15/2011

Preparation Method: EPA 3545

Date Analyzed: 07/15/2011

Analytical Method: EPA 8270C



Client: Laurel Environmental	Client ID: 67 Brighton 1 Lane
Date (Time) Collected: 07/14/2011 14:00	Sample ID: SB-3A 6-8'
Date (Time) Received: 07/14/2011 17:44	Laboratory ID: 1071414-01
Matrix: Soil	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	22.5	<22.5	ug/kg dry	
Aroclor-1260	11096-82-5	22.5	<22.5	ug/kg dry	
Aroclor 1221	11104-28-2	22.5	<22.5	ug/kg dry	
Aroclor 1232	11141-16-5	22.5	<22.5	ug/kg dry	
Aroclor 1242	53469-21-9	22.5	<22.5	ug/kg dry	
Aroclor 1248	12672-29-6	22.5	<22.5	ug/kg dry	
Aroclor 1254	11097-69-1	22.5	<22.5	ug/kg dry	

Date Extracted: 07/15/2011

Preparation Method: EPA 3545

Date Analyzed: 07/18/2011

Analytical Method: EPA 8082



Client: Laurel Environmental	Client ID: 67 Brighton 1 Lane
Date (Time) Collected: 07/14/2011 14:00	Sample ID: SB-3A 6-8'
Date (Time) Received: 07/14/2011 17:44	Laboratory ID: 1071414-01
Matrix: Soil	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/15/2011	EPA 6010B	312	1930	mg/kg dry	4.F
Antimony	07/15/2011	EPA 6010B	1.65	<1.65	mg/kg dry	4.H
Arsenic	07/15/2011	EPA 6010B	1.65	2.49	mg/kg dry	
Barium	07/15/2011	EPA 6010B	3.33	16.6	mg/kg dry	4.H
Beryllium	07/15/2011	EPA 6010B	1.65	<1.65	mg/kg dry	
Cadmium	07/15/2011	EPA 6010B	1.00	<1.00	mg/kg dry	
Calcium	07/15/2011	EPA 6010B	8.25	545	mg/kg dry	4.H
Chromium	07/15/2011	EPA 6010B	1.65	4.83	mg/kg dry	
Cobalt	07/15/2011	EPA 6010B	1.65	<1.65	mg/kg dry	
Copper	07/15/2011	EPA 6010B	1.65	26.6	mg/kg dry	
Iron	07/15/2011	EPA 6010B	312	7090	mg/kg dry	4.F
Lead	07/15/2011	EPA 6010B	15.6	299	mg/kg dry	4.H
Magnesium	07/15/2011	EPA 6010B	1.65	366	mg/kg dry	4.H
Manganese	07/15/2011	EPA 6010B	8.25	26.3	mg/kg dry	4.F
Nickel	07/15/2011	EPA 6010B	1.65	3.28	mg/kg dry	
Potassium	07/15/2011	EPA 6010B	1.65	233	mg/kg dry	4.H
Selenium	07/15/2011	EPA 6010B	1.65	<1.65	mg/kg dry	
Silver	07/15/2011	EPA 6010B	1.65	<1.65	mg/kg dry	
Sodium	07/15/2011	EPA 6010B	7.79	32.9	mg/kg dry	
Thallium	07/15/2011	EPA 6010B	1.65	<1.65	mg/kg dry	
Vanadium	07/15/2011	EPA 6010B	1.65	5.20	mg/kg dry	
Zinc	07/15/2011	EPA 6010B	1.65	63.4	mg/kg dry	

Date Extracted: 07/15/2011

Preparation Method: EPA 3050B

Date Analyzed: 07/15/2011

Analytical Method: EPA 6010B

Mercury	07/15/2011	EPA 7471A	0.02	0.10	mg/kg dry	
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Date Extracted: 07/14/2011

Preparation Method: EPA 7471A

Date Analyzed: 07/15/2011

Analytical Method: EPA 7471A

Data Qualifiers Key Reference:

- 4.B Data reported below the lower limit of quantitation and should be considered to have an increased quantitative uncertainty.
- 4.F Spike recovery does not meet QC criteria due to high target compound concentration
- 4.H Spike recovery out of range due to matrix inconsistency
- MRL Minimum Reporting Limit



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CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: **LAUREL**

CONTACT: **Scott Yanuck**
 PHONE: **631-673-0612**
 FAX:

PROJECT LOCATION: **67 Brighton Lane**

TERMS & CONDITIONS: Accounts are payable in full within thirty days, outstanding balances accrue service charges of 1.5% per month. Tendering of samples to LIAL for analytical testing constitutes agreement by buyer/sampler to LIAL's Standard terms

SAMPLES RECEIVED AT: **27°C**

SAMPLER (SIGNATURE): **[Signature]** DATE: **7/14/11** TIME: **14:30**
 SAMPLER NAME (PRINT): **Scott Yanuck** DATE: **7/14/11** TIME: **14:30**
 CORRECT CONTAINER(S) YES/NO: **YES**

L7 (F) **1071414**

LABORATORY ID # <small>For Laboratory Use Only</small>	MATRIX	TYPE	PH	RES. CHLORINE PRES.	DATE	TIME	SAMPLE # LOCATION	ANALYSIS REQUIRED	# OF CONTAINERS	SAMPLER (SIGNATURE)		DATE		TIME		CORRECT CONTAINER(S)	
										DATE	TIME	DATE	TIME	YES/NO	YES/NO		
1. 1071414-01	5	6			7/14/11	14:30	SB-3A C-81	8260 TEL 8270 PNH PCBs TAL Metals	4	[Signature]	7/14/11	14:30	YES	YES			
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	
11.																	
12.																	
13.																	
14.																	

RUSH!

URGENT - email results by 3pm

MATRIX: S=SOIL; SL=SLUDGE; DW=DRINKING WATER; A=AIR; W=WIFE;
 PC=PAINT CHIPS; BM=BULK MATERIAL; O=OIL; WW=WASTE WATER
 TYPE: G=GRAB; C=COMPOSITE; SS=SPLIT SPOON
 PRES: (1) ICE; (2) HCL; (3) H₂SO₄; (4) NaOH; (5) Na₂S₂O₃; (6) HNO₃; (7) OTHER

TURNAROUND REQUIRED:
 NORMAL STAT
 BY **7/15/11**

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE): **[Signature]** DATE: **7/14/11** TIME: **5:40pm** PRINTED NAME: **Walter Canaro**
 RELINQUISHED BY (SIGNATURE): **[Signature]** DATE: **7/14/11** TIME: **5:40pm** PRINTED NAME: **Walter Canaro**
 RECEIVED BY (SIGNATURE): **[Signature]** DATE: **7-14-11** TIME: **5:40pm** PRINTED NAME: **Ben Johnson**

APPENDIX E

Groundwater Analytical Results



LIAL# 1071108

July 18, 2011

Page 1 of 9

Laurel Environmental
Scott Yanuck
53 West Hills Road
Huntington Station NY, 11746

Re: 11-257 67 Brighton 1st Ln Brooklyn

Dear Scott Yanuck,

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on July 11, 2011. Long Island Analytical Laboratories analyzed the samples on July 18, 2011 for the following:

CLIENT ID	ANALYSIS
GW-1	EPA 8082, EPA 8260B, EPA 8270C, RCRA 23

Samples received at 2.7 ° C

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted. Report shall not be reproduced except in full without the written approval of the laboratory. Results related only to items tested. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

Long Island Analytical Laboratories, Inc.

Michael Veraldi - Laboratory Director

Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bromomethane	74-83-9	5.00	<5.00	ug/L	
Chloroethane	75-00-3	5.00	<5.00	ug/L	
Chloromethane	74-87-3	5.00	<5.00	ug/L	
Dichlorodifluoromethane	75-71-8	5.00	<5.00	ug/L	
Vinyl chloride	75-01-4	5.00	<5.00	ug/L	
Trichlorofluoromethane	75-69-4	5.00	<5.00	ug/L	
Acetone	67-64-1	20.0	<20.0	ug/L	4.E
1,1-Dichloroethylene	75-35-4	5.00	<5.00	ug/L	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	5.00	<5.00	ug/L	
Methylene Chloride	75-09-2	5.00	<5.00	ug/L	
Carbon disulfide	75-15-0	5.00	<5.00	ug/L	
Methyl-tert-Butyl Ether	1634-04-4	5.00	<5.00	ug/L	
trans-1,2-Dichloroethylene	156-60-5	5.00	<5.00	ug/L	
1,1-Dichloroethane	75-34-3	5.00	<5.00	ug/L	
Vinyl acetate	108-05-4	5.00	<5.00	ug/L	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	10.0	<10.0	ug/L	4.E
cis-1,2-Dichloroethylene	156-59-2	5.00	<5.00	ug/L	
2,2-Dichloropropane	590-20-7	5.00	<5.00	ug/L	
Bromochloromethane	74-97-5	5.00	<5.00	ug/L	
Chloroform	67-66-3	5.00	<5.00	ug/L	
1,1,1-Trichloroethane	71-55-6	5.00	<5.00	ug/L	
1,2-Dichloroethane	107-06-2	5.00	<5.00	ug/L	
1,1-Dichloropropylene	563-58-6	5.00	<5.00	ug/L	
Carbon Tetrachloride	56-23-5	5.00	<5.00	ug/L	
Benzene	71-43-2	0.700	<0.700	ug/L	
Trichloroethylene	79-01-6	5.00	<5.00	ug/L	
1,2-Dichloropropane	78-87-5	5.00	<5.00	ug/L	
Dibromomethane	74-95-3	5.00	<5.00	ug/L	
Bromodichloromethane	75-27-4	5.00	<5.00	ug/L	
2-Chloroethyl Vinyl Ether	110-75-8	5.00	<5.00	ug/L	
Methyl Isobutyl Ketone	108-10-1	10.0	<10.0	ug/L	
cis-1,3-Dichloropropylene	10061-01-5	5.00	<5.00	ug/L	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Toluene	108-88-3	5.00	<5.00	ug/L	
trans-1,3-Dichloropropylene	10061-02-6	5.00	<5.00	ug/L	
1,1,2-Trichloroethane	79-00-5	5.00	<5.00	ug/L	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	5.00	<5.00	ug/L	
1,3-Dichloropropane	142-28-9	5.00	<5.00	ug/L	
Dibromochloromethane	124-48-1	5.00	<5.00	ug/L	
Tetrachloroethylene	127-18-4	5.00	<5.00	ug/L	
1,2-Dibromoethane	106-93-4	5.00	<5.00	ug/L	
Chlorobenzene	108-90-7	5.00	<5.00	ug/L	
1,1,1,2-Tetrachloroethane	630-20-6	5.00	<5.00	ug/L	
Ethylbenzene	100-41-4	5.00	<5.00	ug/L	
m,p-Xylenes	108-38-3/106-42-3	10.0	<10.0	ug/L	
Styrene	100-42-5	5.00	<5.00	ug/L	
o-Xylene	95-47-6	5.00	<5.00	ug/L	
Bromoform	75-25-2	5.00	<5.00	ug/L	
1,1,1,2-Tetrachloroethane	79-34-5	5.00	<5.00	ug/L	
Isopropylbenzene (Cumene)	98-82-8	5.00	<5.00	ug/L	
1,2,3-Trichloropropane	96-18-4	5.00	<5.00	ug/L	
Bromobenzene	108-86-1	5.00	<5.00	ug/L	
n-Propylbenzene	103-65-1	5.00	<5.00	ug/L	
2-Chlorotoluene	95-49-8	5.00	<5.00	ug/L	
4-Chlorotoluene	106-43-4	5.00	<5.00	ug/L	
1,3,5-Trimethylbenzene	108-67-8	5.00	<5.00	ug/L	
tert-Butylbenzene	98-06-6	5.00	<5.00	ug/L	
1,2,4-Trimethylbenzene	95-63-6	5.00	<5.00	ug/L	
sec-Butylbenzene	135-98-8	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	5.00	<5.00	ug/L	
4-Isopropyltoluene	99-87-6	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	5.00	<5.00	ug/L	
n-Butylbenzene	104-51-8	5.00	<5.00	ug/L	



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Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Volatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
1,2-Dibromo-3-chloropropane	96-12-8	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	5.00	<5.00	ug/L	
Naphthalene	91-20-3	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	5.00	<5.00	ug/L	
1,2,3-Trichlorobenzene	87-61-6	5.00	<5.00	ug/L	
Acrylonitrile	107-13-1	5.00	<5.00	ug/L	
1,4-Dioxane	123-91-1	5.00	<5.00	ug/L	
Acrolein	107-02-8	5.00	<5.00	ug/L	

Date Extracted: 07/11/2011

Preparation Method: EPA 5030B

Date Analyzed: 07/11/2011

Analytical Method: EPA 8260B



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Pyridine	110-86-1	5.00	<5.00	ug/L	
N-Nitrosodimethylamine	62-75-9	5.00	<5.00	ug/L	
Phenol	108-95-2	5.00	<5.00	ug/L	
Aniline	62-53-3	5.00	<5.00	ug/L	
2-Chlorophenol	95-57-8	5.00	<5.00	ug/L	
Bis(2-Chloroethyl)ether	111-44-4	5.00	<5.00	ug/L	
1,3-Dichlorobenzene	541-73-1	5.00	<5.00	ug/L	
1,4-Dichlorobenzene	106-46-7	5.00	<5.00	ug/L	
Benzyl alcohol	100-51-6	5.00	<5.00	ug/L	
1,2-Dichlorobenzene	95-50-1	5.00	<5.00	ug/L	
2-Methylphenol	95-48-7	5.00	<5.00	ug/L	
Bis(2-chloroisopropyl)ether	39638-32-9	5.00	<5.00	ug/L	
Hexachloroethane	67-72-1	5.00	<5.00	ug/L	
3/4-Methylphenol	108-39-4/106-44-5	5.00	<5.00	ug/L	
N-Nitroso-di-n-propylamine	621-64-7	5.00	<5.00	ug/L	
Nitrobenzene	98-95-3	5.00	<5.00	ug/L	
Isophorone	78-59-1	5.00	<5.00	ug/L	
2-Nitrophenol	88-75-5	5.00	<5.00	ug/L	
2,4-Dimethylphenol	105-67-9	5.00	<5.00	ug/L	
Benzoic Acid	65-85-0	5.00	<5.00	ug/L	
bis(2-Chloroethoxy)methane	111-91-1	5.00	<5.00	ug/L	
2,4-Dichlorophenol	120-83-2	5.00	<5.00	ug/L	
1,2,4-Trichlorobenzene	120-82-1	5.00	<5.00	ug/L	
Naphthalene	91-20-3	5.00	<5.00	ug/L	
4-Chloroaniline	106-47-8	5.00	<5.00	ug/L	
Hexachlorobutadiene	87-68-3	5.00	<5.00	ug/L	
4-Chloro-3-methylphenol	59-50-7	5.00	<5.00	ug/L	
2-Methylnaphthalene	91-57-6	5.00	<5.00	ug/L	
Hexachlorocyclopentadiene	77-47-4	5.00	<5.00	ug/L	
2,4,6-Trichlorophenol	88-06-2	5.00	<5.00	ug/L	
2,4,5-Trichlorophenol	95-95-4	5.00	<5.00	ug/L	
2-Chloronaphthalene	91-58-7	5.00	<5.00	ug/L	



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Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
2-Nitroaniline	88-74-4	5.00	<5.00	ug/L	
Dimethyl phthalate	131-11-3	5.00	<5.00	ug/L	
Acenaphthylene	208-96-8	5.00	<5.00	ug/L	
2,6-Dinitrotoluene	606-20-2	5.00	<5.00	ug/L	
3-Nitroaniline	99-09-2	5.00	<5.00	ug/L	
Acenaphthene	83-32-9	5.00	<5.00	ug/L	
2,4-Dinitrophenol	51-28-5	5.00	<5.00	ug/L	
Dibenzofuran	132-64-9	5.00	<5.00	ug/L	
4-Nitrophenol	100-02-7	5.00	<5.00	ug/L	
2,4-Dinitrotoluene	121-14-2	5.00	<5.00	ug/L	
Fluorene	86-73-7	5.00	<5.00	ug/L	
Diethyl phthalate	84-66-2	5.00	<5.00	ug/L	
4-Chlorophenyl phenyl ether	7005-72-3	5.00	<5.00	ug/L	
4-Nitroaniline	100-01-6	5.00	<5.00	ug/L	
4,6-Dinitro-2-methylphenol	534-52-1	5.00	<5.00	ug/L	
N-Nitrosodiphenylamine	86-30-6	5.00	<5.00	ug/L	
Azobenzene	103-33-3	5.00	<5.00	ug/L	
4-Bromophenyl phenyl ether	101-55-3	5.00	<5.00	ug/L	
Hexachlorobenzene	118-74-1	5.00	<5.00	ug/L	
Pentachlorophenol	87-86-5	5.00	<5.00	ug/L	
Phenanthrene	85-01-8	5.00	<5.00	ug/L	
Anthracene	120-12-7	5.00	<5.00	ug/L	
Carbazole	86-74-8	5.00	<5.00	ug/L	
Di-n-butyl phthalate	84-74-2	5.00	<5.00	ug/L	
Fluoranthene	206-44-0	5.00	<5.00	ug/L	
Pyrene	129-00-0	5.00	<5.00	ug/L	
Benidine	92-87-5	5.00	<5.00	ug/L	
Butyl benzyl phthalate	85-68-7	5.00	<5.00	ug/L	
Benzo(a)anthracene	56-55-3	5.00	<5.00	ug/L	
Chrysene	218-01-9	5.00	<5.00	ug/L	
3,3'-Dichlorobenzidine	91-94-1	5.00	<5.00	ug/L	



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Semivolatile Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Bis(2-Ethylhexyl)phthalate	117-81-7	5.00	<5.00	ug/L	
Di-n-octyl phthalate	117-84-0	5.00	<5.00	ug/L	
Benzo(b)fluoranthene	205-99-2	5.00	<5.00	ug/L	
Benzo(k)fluoranthene	207-08-9	5.00	<5.00	ug/L	
Benzo(a)pyrene	50-32-8	5.00	<5.00	ug/L	
Indeno(1,2,3-cd)pyrene	193-39-5	5.00	<5.00	ug/L	
Dibenzo(a,h)anthracene	53-70-3	5.00	<5.00	ug/L	
Benzo(g,h,i)perylene	191-24-2	5.00	<5.00	ug/L	

Date Extracted: 07/12/2011

Preparation Method: EPA 3510C

Date Analyzed: 07/13/2011

Analytical Method: EPA 8270C



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

PCB/Aroclor Analysis

Parameter	CAS No.	MRL	Result	Units	Flag
Aroclor-1016	12674-11-2	20.0	<20.0	ug/L	
Aroclor-1260	11096-82-5	20.0	<20.0	ug/L	
Aroclor 1221	11104-28-2	20.0	<20.0	ug/L	
Aroclor 1232	11141-16-5	20.0	<20.0	ug/L	
Aroclor 1242	53469-21-9	20.0	<20.0	ug/L	
Aroclor 1248	12672-29-6	20.0	<20.0	ug/L	
Aroclor 1254	11097-69-1	20.0	<20.0	ug/L	

Date Extracted: 07/15/2011

Preparation Method: EPA 3510C

Date Analyzed: 07/18/2011

Analytical Method: EPA 8082



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Client: Laurel Environmental	Client ID: 11-257 67 Brighton 1st Ln Brooklyn
Date (Time) Collected: 07/08/2011 09:00	Sample ID: GW-1
Date (Time) Received: 07/11/2011 13:30	Laboratory ID: 1071108-01
Matrix: Non-Potable Water	ELAP: #11693

Total Metals Analysis

Parameter	Date Analyzed	Method	MRL	Result	Units	Flag
Aluminum	07/12/2011	EPA 200.7 Rev. 4.4	0.05	0.46	mg/L	
Calcium	07/12/2011	EPA 200.7 Rev. 4.4	0.50	49.2	mg/L	
Antimony	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Arsenic	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Barium	07/12/2011	EPA 200.7 Rev. 4.4	1.00	<1.00	mg/L	
Beryllium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Cadmium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Chromium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Cobalt	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Copper	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Iron	07/12/2011	EPA 200.7 Rev. 4.4	0.10	2.89	mg/L	
Lead	07/12/2011	EPA 200.7 Rev. 4.4	0.005	<0.005	mg/L	
Magnesium	07/12/2011	EPA 200.7 Rev. 4.4	0.10	6.03	mg/L	
Manganese	07/12/2011	EPA 200.7 Rev. 4.4	0.05	0.08	mg/L	
Nickel	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Potassium	07/12/2011	EPA 200.7 Rev. 4.4	0.10	3.99	mg/L	
Selenium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Silver	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Sodium	07/12/2011	EPA 200.7 Rev. 4.4	0.10	17.3	mg/L	4.G
Thallium	07/12/2011	EPA 200.7 Rev. 4.4	0.50	<0.50	mg/L	
Vanadium	07/12/2011	EPA 200.7 Rev. 4.4	0.05	<0.05	mg/L	
Zinc	07/12/2011	EPA 200.7 Rev. 4.4	0.05	0.11	mg/L	

Date Extracted: 07/12/2011

Preparation Method: EPA 200.2

Date Analyzed: 07/12/2011

Analytical Method: EPA 200.7 Rev. 4.4

Mercury	07/13/2011	EPA 245.1 Rev. 3.0	0.002	<0.002	mg/L	
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Date Extracted: 07/12/2011

Preparation Method: EPA 245.1

Date Analyzed: 07/13/2011

Analytical Method: EPA 245.1 Rev. 3.0

Data Qualifiers Key Reference:

- 4.E QC does not meet acceptance criteria
- 4.G Spike recovery out of range due to matrix interference
- MRL Minimum Reporting Limit



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APPENDIX F

Soil Vapor Analytical Results

Con-Test Analytical Laboratory	Client	Laurel Environmental Associates			
Analytical Testing Report	Attention	Scott Yanuck			
Work Order: 11G0216	Project Name	11-256 - 67 Brighton 1st Lane, Brooklyn, NY			
Report Date: 7/15/2011 4:22:55 PM	Project Number	11-256			
<i>Note: This is not the original data. Please refer to PDF / Hardcopy report.</i>					
General Method	Analyte	Units			
LAB ID			11G0216-01	11G0216-02	11G0216-03
CLIENT ID			SG-1	SG-2	SG-3
DATE SAMPLED			08-Jul-11	08-Jul-11	08-Jul-11
DATE RECEIVED			11-Jul-11	11-Jul-11	11-Jul-11
MATRIX			Air	Air	Air
Air Toxics by EPA Compendium Methods	Acetone	µg/m ³ Air	330	190	360
Air Toxics by EPA Compendium Methods	Benzene	µg/m ³ Air	7.8	15	16
Air Toxics by EPA Compendium Methods	Benzyl chloride	µg/m ³ Air	<0.52	<0.52	<0.52
Air Toxics by EPA Compendium Methods	Bromodichloromethane	µg/m ³ Air	<0.67	<0.67	<0.67
Air Toxics by EPA Compendium Methods	Bromoethane	µg/m ³ Air	<1.0	<1.0	<1.0
Air Toxics by EPA Compendium Methods	Bromomethane	µg/m ³ Air	<0.39	<0.39	<0.39
Air Toxics by EPA Compendium Methods	1,3-Butadiene	µg/m ³ Air	<0.22	<0.22	<0.22
Air Toxics by EPA Compendium Methods	2-Butanone (MEK)	µg/m ³ Air	49	43	59
Air Toxics by EPA Compendium Methods	Carbon Disulfide	µg/m ³ Air	4.8	1.3	1.5
Air Toxics by EPA Compendium Methods	Carbon Tetrachloride	µg/m ³ Air	<0.63	<0.63	<0.63
Air Toxics by EPA Compendium Methods	Chlorobenzene	µg/m ³ Air	<0.46	<0.46	<0.46
Air Toxics by EPA Compendium Methods	Chloroethane	µg/m ³ Air	<0.26	<0.26	<0.26
Air Toxics by EPA Compendium Methods	Chloroform	µg/m ³ Air	3.5	3.6	3.2
Air Toxics by EPA Compendium Methods	Chloromethane	µg/m ³ Air	2.5	0.97	1.1
Air Toxics by EPA Compendium Methods	Cyclohexane	µg/m ³ Air	5.3	15	20
Air Toxics by EPA Compendium Methods	Dibromochloromethane	µg/m ³ Air	<0.85	<0.85	<0.85
Air Toxics by EPA Compendium Methods	1,2-Dibromoethane (EDB)	µg/m ³ Air	<0.77	<0.77	<0.77
Air Toxics by EPA Compendium Methods	1,2-Dichlorobenzene	µg/m ³ Air	<0.60	<0.60	<0.60
Air Toxics by EPA Compendium Methods	1,3-Dichlorobenzene	µg/m ³ Air	6.5	2.5	3.1
Air Toxics by EPA Compendium Methods	1,4-Dichlorobenzene	µg/m ³ Air	<0.60	1	0.85
Air Toxics by EPA Compendium Methods	Dichlorodifluoromethane (Freon 113)	µg/m ³ Air	2.3	5.4	3
Air Toxics by EPA Compendium Methods	1,1-Dichloroethane	µg/m ³ Air	<0.40	<0.40	<0.40
Air Toxics by EPA Compendium Methods	1,2-Dichloroethane	µg/m ³ Air	<0.40	<0.40	<0.40
Air Toxics by EPA Compendium Methods	1,1-Dichloroethylene	µg/m ³ Air	<0.40	<0.40	<0.40
Air Toxics by EPA Compendium Methods	cis-1,2-Dichloroethylene	µg/m ³ Air	<0.40	4.2	<0.40
Air Toxics by EPA Compendium Methods	trans-1,2-Dichloroethylene	µg/m ³ Air	<0.40	<0.40	<0.40
Air Toxics by EPA Compendium Methods	1,2-Dichloropropane	µg/m ³ Air	<0.46	<0.46	<0.46
Air Toxics by EPA Compendium Methods	cis-1,3-Dichloropropene	µg/m ³ Air	<0.45	<0.45	<0.45
Air Toxics by EPA Compendium Methods	trans-1,3-Dichloropropene	µg/m ³ Air	<0.45	<0.45	<0.45
Air Toxics by EPA Compendium Methods	1,2-Dichloro-1,1,2,2-tetrafluoroethane	µg/m ³ Air	<0.70	<0.70	<0.70
Air Toxics by EPA Compendium Methods	Ethanol	µg/m ³ Air	360	230	360
Air Toxics by EPA Compendium Methods	Ethyl Acetate	µg/m ³ Air	4.3	<0.36	<0.36
Air Toxics by EPA Compendium Methods	Ethylbenzene	µg/m ³ Air	7.9	13	14
Air Toxics by EPA Compendium Methods	4-Ethyltoluene	µg/m ³ Air	3.8	7.4	5.8
Air Toxics by EPA Compendium Methods	Heptane	µg/m ³ Air	7.2	16	19
Air Toxics by EPA Compendium Methods	Hexachlorobutadiene	µg/m ³ Air	<1.1	<1.1	<1.1
Air Toxics by EPA Compendium Methods	Hexane	µg/m ³ Air	18	37	47
Air Toxics by EPA Compendium Methods	2-Hexanone (MBK)	µg/m ³ Air	2	<0.41	<0.41
Air Toxics by EPA Compendium Methods	Isopropanol	µg/m ³ Air	13	12	19
Air Toxics by EPA Compendium Methods	Methyl tert-Butyl Ether (MTBE)	µg/m ³ Air	6.4	9.4	15
Air Toxics by EPA Compendium Methods	Methylene Chloride	µg/m ³ Air	3.9	4.3	3.7
Air Toxics by EPA Compendium Methods	4-Methyl-2-pentanone (MIBK)	µg/m ³ Air	9.3	8.2	9.8
Air Toxics by EPA Compendium Methods	Propene	µg/m ³ Air	85	21	<1.7
Air Toxics by EPA Compendium Methods	Styrene	µg/m ³ Air	0.77	0.93	0.95
Air Toxics by EPA Compendium Methods	1,1,2,2-Tetrachloroethane	µg/m ³ Air	<0.69	<0.69	<0.69
Air Toxics by EPA Compendium Methods	Tetrachloroethylene	µg/m ³ Air	0.83	8.6	0.94
Air Toxics by EPA Compendium Methods	Tetrahydrofuran	µg/m ³ Air	47	50	71
Air Toxics by EPA Compendium Methods	Toluene	µg/m ³ Air	42	65	68
Air Toxics by EPA Compendium Methods	1,2,4-Trichlorobenzene	µg/m ³ Air	<0.74	<0.74	<0.74
Air Toxics by EPA Compendium Methods	1,1,1-Trichloroethane	µg/m ³ Air	<0.55	<0.55	<0.55
Air Toxics by EPA Compendium Methods	1,1,2-Trichloroethane	µg/m ³ Air	<0.55	<0.55	<0.55
Air Toxics by EPA Compendium Methods	Trichloroethylene	µg/m ³ Air	<0.54	3.2	<0.54
Air Toxics by EPA Compendium Methods	Trichlorofluoromethane (Freon 113)	µg/m ³ Air	2.3	2	2
Air Toxics by EPA Compendium Methods	1,1,2-Trichloro-1,2,2-trifluoroethane	µg/m ³ Air	0.78	<0.77	<0.77
Air Toxics by EPA Compendium Methods	1,2,4-Trimethylbenzene	µg/m ³ Air	19	29	27
Air Toxics by EPA Compendium Methods	1,3,5-Trimethylbenzene	µg/m ³ Air	5.6	8.8	8
Air Toxics by EPA Compendium Methods	Vinyl Acetate	µg/m ³ Air	<0.35	<0.35	<0.35
Air Toxics by EPA Compendium Methods	Vinyl Chloride	µg/m ³ Air	<0.26	<0.26	<0.26
Air Toxics by EPA Compendium Methods	m&p-Xylene	µg/m ³ Air	25	43	44
Air Toxics by EPA Compendium Methods	o-Xylene	µg/m ³ Air	13	21	21

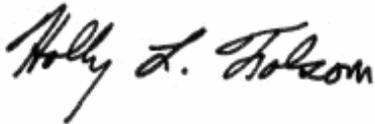
July 15, 2011

Scott Yanuck
Laurel Environmental Associates
53 West Hills Road, Suite 1
Huntington Station, NY 11746

Project Location: 67 Brighton 1st Lane, Brooklyn, NY
Client Job Number:
Project Number: 11-256
Laboratory Work Order Number: 11G0216

Enclosed are results of analyses for samples received by the laboratory on July 11, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Holly L. Folsom". The signature is written in a cursive style with a large, prominent initial "H".

Holly L. Folsom
Project Manager

Laurel Environmental Associates
53 West Hills Road, Suite 1
Huntington Station, NY 11746
ATTN: Scott Yanuck

REPORT DATE: 7/15/2011

PURCHASE ORDER NUMBER: 11-256

PROJECT NUMBER: 11-256

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11G0216

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 67 Brighton 1st Lane, Brooklyn, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SG-1	11G0216-01	Soil Gas		EPA TO-15	
SG-2	11G0216-02	Soil Gas		EPA TO-15	
SG-3	11G0216-03	Soil Gas		EPA TO-15	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, Bromoform
S000856-CCV1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

ANALYTICAL RESULTS

Project Location: 67 Brighton 1st Lane, Brooklyn,
 Date Received: 7/11/2011
Field Sample #: SG-1
Sample ID: 11G0216-01
 Sample Matrix: Soil Gas
 Sampled: 7/8/2011 13:27

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1258
 Canister Size: 6 liter
 Flow Controller ID: 3041
 Sample Type: 2 hr

Work Order: 11G0216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -12
 Receipt Vacuum(in Hg): -10
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Acetone	140	10		330	24	20	7/13/11 22:17	TPH
Benzene	2.4	0.10		7.8	0.32	2	7/13/11 22:56	TPH
Benzyl chloride	ND	0.10		ND	0.52	2	7/13/11 22:56	TPH
Bromodichloromethane	ND	0.10		ND	0.67	2	7/13/11 22:56	TPH
Bromoform	ND	0.10		ND	1.0	2	7/13/11 22:56	TPH
Bromomethane	ND	0.10		ND	0.39	2	7/13/11 22:56	TPH
1,3-Butadiene	ND	0.10		ND	0.22	2	7/13/11 22:56	TPH
2-Butanone (MEK)	17	0.10		49	0.29	2	7/13/11 22:56	TPH
Carbon Disulfide	1.5	0.10		4.8	0.31	2	7/13/11 22:56	TPH
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/13/11 22:56	TPH
Chlorobenzene	ND	0.10		ND	0.46	2	7/13/11 22:56	TPH
Chloroethane	ND	0.10		ND	0.26	2	7/13/11 22:56	TPH
Chloroform	0.71	0.10		3.5	0.49	2	7/13/11 22:56	TPH
Chloromethane	1.2	0.10		2.5	0.21	2	7/13/11 22:56	TPH
Cyclohexane	1.6	0.10		5.3	0.34	2	7/13/11 22:56	TPH
Dibromochloromethane	ND	0.10		ND	0.85	2	7/13/11 22:56	TPH
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/13/11 22:56	TPH
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/13/11 22:56	TPH
1,3-Dichlorobenzene	1.1	0.10		6.5	0.60	2	7/13/11 22:56	TPH
1,4-Dichlorobenzene	ND	0.10		ND	0.60	2	7/13/11 22:56	TPH
Dichlorodifluoromethane (Freon 12)	0.47	0.10		2.3	0.49	2	7/13/11 22:56	TPH
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/13/11 22:56	TPH
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/13/11 22:56	TPH
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/13/11 22:56	TPH
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/13/11 22:56	TPH
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/13/11 22:56	TPH
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/13/11 22:56	TPH
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/13/11 22:56	TPH
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/13/11 22:56	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	7/13/11 22:56	TPH
Ethanol	190	10		360	19	20	7/13/11 22:17	TPH
Ethyl Acetate	1.2	0.10		4.3	0.36	2	7/13/11 22:56	TPH
Ethylbenzene	1.8	0.10		7.9	0.43	2	7/13/11 22:56	TPH
4-Ethyltoluene	0.77	0.10		3.8	0.49	2	7/13/11 22:56	TPH
Heptane	1.8	0.10		7.2	0.41	2	7/13/11 22:56	TPH
Hexachlorobutadiene	ND	0.10		ND	1.1	2	7/13/11 22:56	TPH
Hexane	5.1	0.10		18	0.35	2	7/13/11 22:56	TPH
2-Hexanone (MBK)	0.49	0.10		2.0	0.41	2	7/13/11 22:56	TPH

ANALYTICAL RESULTS

Project Location: 67 Brighton 1st Lane, Brooklyn,
 Date Received: 7/11/2011
Field Sample #: SG-1
Sample ID: 11G0216-01
 Sample Matrix: Soil Gas
 Sampled: 7/8/2011 13:27

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1258
 Canister Size: 6 liter
 Flow Controller ID: 3041
 Sample Type: 2 hr

Work Order: 11G0216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -12
 Receipt Vacuum(in Hg): -10
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time Analyzed	Analyst
	Results	RL		Results	RL			
Isopropanol	5.2	0.10		13	0.25	2	7/13/11 22:56	TPH
Methyl tert-Butyl Ether (MTBE)	1.8	0.10		6.4	0.36	2	7/13/11 22:56	TPH
Methylene Chloride	1.1	0.20		3.9	0.69	2	7/13/11 22:56	TPH
4-Methyl-2-pentanone (MIBK)	2.3	0.10		9.3	0.41	2	7/13/11 22:56	TPH
Propene	50	1.0		85	1.7	2	7/13/11 22:56	TPH
Styrene	0.18	0.10		0.77	0.43	2	7/13/11 22:56	TPH
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/13/11 22:56	TPH
Tetrachloroethylene	0.12	0.10		0.83	0.68	2	7/13/11 22:56	TPH
Tetrahydrofuran	16	0.10		47	0.29	2	7/13/11 22:56	TPH
Toluene	11	0.10		42	0.38	2	7/13/11 22:56	TPH
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	7/13/11 22:56	TPH
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/13/11 22:56	TPH
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/13/11 22:56	TPH
Trichloroethylene	ND	0.10		ND	0.54	2	7/13/11 22:56	TPH
Trichlorofluoromethane (Freon 11)	0.40	0.10		2.3	0.56	2	7/13/11 22:56	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.10	0.10		0.78	0.77	2	7/13/11 22:56	TPH
1,2,4-Trimethylbenzene	3.9	0.10		19	0.49	2	7/13/11 22:56	TPH
1,3,5-Trimethylbenzene	1.1	0.10		5.6	0.49	2	7/13/11 22:56	TPH
Vinyl Acetate	ND	0.10		ND	0.35	2	7/13/11 22:56	TPH
Vinyl Chloride	ND	0.10		ND	0.26	2	7/13/11 22:56	TPH
m&p-Xylene	5.7	0.20		25	0.87	2	7/13/11 22:56	TPH
o-Xylene	3.0	0.10		13	0.43	2	7/13/11 22:56	TPH

Surrogates	% Recovery	% REC Limits	Date/Time Analyzed
4-Bromofluorobenzene (1)	110	70-130	7/13/11 22:17
4-Bromofluorobenzene (1)	111	70-130	7/13/11 22:56

ANALYTICAL RESULTS

Project Location: 67 Brighton 1st Lane, Brooklyn,
 Date Received: 7/11/2011
Field Sample #: SG-2
Sample ID: 11G0216-02
 Sample Matrix: Soil Gas
 Sampled: 7/8/2011 11:17

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1473
 Canister Size: 6 liter
 Flow Controller ID: 3041
 Sample Type: 2 hr

Work Order: 11G0216
 Initial Vacuum(in Hg): -26
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -4.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	78	1.0		190	2.4	2	7/14/11	0:13	TPH
Benzene	4.6	0.10		15	0.32	2	7/14/11	0:13	TPH
Benzyl chloride	ND	0.10		ND	0.52	2	7/14/11	0:13	TPH
Bromodichloromethane	ND	0.10		ND	0.67	2	7/14/11	0:13	TPH
Bromoform	ND	0.10		ND	1.0	2	7/14/11	0:13	TPH
Bromomethane	ND	0.10		ND	0.39	2	7/14/11	0:13	TPH
1,3-Butadiene	ND	0.10		ND	0.22	2	7/14/11	0:13	TPH
2-Butanone (MEK)	15	0.10		43	0.29	2	7/14/11	0:13	TPH
Carbon Disulfide	0.42	0.10		1.3	0.31	2	7/14/11	0:13	TPH
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/14/11	0:13	TPH
Chlorobenzene	ND	0.10		ND	0.46	2	7/14/11	0:13	TPH
Chloroethane	ND	0.10		ND	0.26	2	7/14/11	0:13	TPH
Chloroform	0.73	0.10		3.6	0.49	2	7/14/11	0:13	TPH
Chloromethane	0.47	0.10		0.97	0.21	2	7/14/11	0:13	TPH
Cyclohexane	4.3	0.10		15	0.34	2	7/14/11	0:13	TPH
Dibromochloromethane	ND	0.10		ND	0.85	2	7/14/11	0:13	TPH
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/14/11	0:13	TPH
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/14/11	0:13	TPH
1,3-Dichlorobenzene	0.42	0.10		2.5	0.60	2	7/14/11	0:13	TPH
1,4-Dichlorobenzene	0.17	0.10		1.00	0.60	2	7/14/11	0:13	TPH
Dichlorodifluoromethane (Freon 12)	1.1	0.10		5.4	0.49	2	7/14/11	0:13	TPH
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/14/11	0:13	TPH
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/14/11	0:13	TPH
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/14/11	0:13	TPH
cis-1,2-Dichloroethylene	1.1	0.10		4.2	0.40	2	7/14/11	0:13	TPH
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/14/11	0:13	TPH
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/14/11	0:13	TPH
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/14/11	0:13	TPH
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/14/11	0:13	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	7/14/11	0:13	TPH
Ethanol	120	10		230	19	20	7/13/11	23:34	TPH
Ethyl Acetate	ND	0.10		ND	0.36	2	7/14/11	0:13	TPH
Ethylbenzene	3.0	0.10		13	0.43	2	7/14/11	0:13	TPH
4-Ethyltoluene	1.5	0.10		7.4	0.49	2	7/14/11	0:13	TPH
Heptane	4.0	0.10		16	0.41	2	7/14/11	0:13	TPH
Hexachlorobutadiene	ND	0.10		ND	1.1	2	7/14/11	0:13	TPH
Hexane	11	0.10		37	0.35	2	7/14/11	0:13	TPH
2-Hexanone (MBK)	ND	0.10		ND	0.41	2	7/14/11	0:13	TPH

ANALYTICAL RESULTS

Project Location: 67 Brighton 1st Lane, Brooklyn,
 Date Received: 7/11/2011
Field Sample #: SG-2
Sample ID: 11G0216-02
 Sample Matrix: Soil Gas
 Sampled: 7/8/2011 11:17

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1473
 Canister Size: 6 liter
 Flow Controller ID: 3041
 Sample Type: 2 hr

Work Order: 11G0216
 Initial Vacuum(in Hg): -26
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -4.5
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Isopropanol	4.7	0.10		12	0.25	2	7/14/11	0:13	TPH
Methyl tert-Butyl Ether (MTBE)	2.6	0.10		9.4	0.36	2	7/14/11	0:13	TPH
Methylene Chloride	1.2	0.20		4.3	0.69	2	7/14/11	0:13	TPH
4-Methyl-2-pentanone (MIBK)	2.0	0.10		8.2	0.41	2	7/14/11	0:13	TPH
Propene	12	1.0		21	1.7	2	7/14/11	0:13	TPH
Styrene	0.22	0.10		0.93	0.43	2	7/14/11	0:13	TPH
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/14/11	0:13	TPH
Tetrachloroethylene	1.3	0.10		8.6	0.68	2	7/14/11	0:13	TPH
Tetrahydrofuran	17	0.10		50	0.29	2	7/14/11	0:13	TPH
Toluene	17	0.10		65	0.38	2	7/14/11	0:13	TPH
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	7/14/11	0:13	TPH
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/14/11	0:13	TPH
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/14/11	0:13	TPH
Trichloroethylene	0.59	0.10		3.2	0.54	2	7/14/11	0:13	TPH
Trichlorofluoromethane (Freon 11)	0.36	0.10		2.0	0.56	2	7/14/11	0:13	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10		ND	0.77	2	7/14/11	0:13	TPH
1,2,4-Trimethylbenzene	5.9	0.10		29	0.49	2	7/14/11	0:13	TPH
1,3,5-Trimethylbenzene	1.8	0.10		8.8	0.49	2	7/14/11	0:13	TPH
Vinyl Acetate	ND	0.10		ND	0.35	2	7/14/11	0:13	TPH
Vinyl Chloride	ND	0.10		ND	0.26	2	7/14/11	0:13	TPH
m&p-Xylene	9.9	0.20		43	0.87	2	7/14/11	0:13	TPH
o-Xylene	4.8	0.10		21	0.43	2	7/14/11	0:13	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	7/14/11 0:13
4-Bromofluorobenzene (1)	111	70-130	7/13/11 23:34

ANALYTICAL RESULTS

Project Location: 67 Brighton 1st Lane, Brooklyn,
 Date Received: 7/11/2011
Field Sample #: SG-3
Sample ID: 11G0216-03
 Sample Matrix: Soil Gas
 Sampled: 7/8/2011 11:49

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1239
 Canister Size: 6 liter
 Flow Controller ID: 3008
 Sample Type: 2 hr

Work Order: 11G0216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analized		
Acetone	150	10		360	24	20	7/14/11	0:51	TPH
Benzene	4.9	0.10		16	0.32	2	7/14/11	1:29	TPH
Benzyl chloride	ND	0.10		ND	0.52	2	7/14/11	1:29	TPH
Bromodichloromethane	ND	0.10		ND	0.67	2	7/14/11	1:29	TPH
Bromoform	ND	0.10		ND	1.0	2	7/14/11	1:29	TPH
Bromomethane	ND	0.10		ND	0.39	2	7/14/11	1:29	TPH
1,3-Butadiene	ND	0.10		ND	0.22	2	7/14/11	1:29	TPH
2-Butanone (MEK)	20	0.10		59	0.29	2	7/14/11	1:29	TPH
Carbon Disulfide	0.48	0.10		1.5	0.31	2	7/14/11	1:29	TPH
Carbon Tetrachloride	ND	0.10		ND	0.63	2	7/14/11	1:29	TPH
Chlorobenzene	ND	0.10		ND	0.46	2	7/14/11	1:29	TPH
Chloroethane	ND	0.10		ND	0.26	2	7/14/11	1:29	TPH
Chloroform	0.66	0.10		3.2	0.49	2	7/14/11	1:29	TPH
Chloromethane	0.53	0.10		1.1	0.21	2	7/14/11	1:29	TPH
Cyclohexane	5.8	0.10		20	0.34	2	7/14/11	1:29	TPH
Dibromochloromethane	ND	0.10		ND	0.85	2	7/14/11	1:29	TPH
1,2-Dibromoethane (EDB)	ND	0.10		ND	0.77	2	7/14/11	1:29	TPH
1,2-Dichlorobenzene	ND	0.10		ND	0.60	2	7/14/11	1:29	TPH
1,3-Dichlorobenzene	0.52	0.10		3.1	0.60	2	7/14/11	1:29	TPH
1,4-Dichlorobenzene	0.14	0.10		0.85	0.60	2	7/14/11	1:29	TPH
Dichlorodifluoromethane (Freon 12)	0.61	0.10		3.0	0.49	2	7/14/11	1:29	TPH
1,1-Dichloroethane	ND	0.10		ND	0.40	2	7/14/11	1:29	TPH
1,2-Dichloroethane	ND	0.10		ND	0.40	2	7/14/11	1:29	TPH
1,1-Dichloroethylene	ND	0.10		ND	0.40	2	7/14/11	1:29	TPH
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/14/11	1:29	TPH
trans-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	7/14/11	1:29	TPH
1,2-Dichloropropane	ND	0.10		ND	0.46	2	7/14/11	1:29	TPH
cis-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/14/11	1:29	TPH
trans-1,3-Dichloropropene	ND	0.10		ND	0.45	2	7/14/11	1:29	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10		ND	0.70	2	7/14/11	1:29	TPH
Ethanol	190	10		360	19	20	7/14/11	0:51	TPH
Ethyl Acetate	ND	0.10		ND	0.36	2	7/14/11	1:29	TPH
Ethylbenzene	3.1	0.10		14	0.43	2	7/14/11	1:29	TPH
4-Ethyltoluene	1.2	0.10		5.8	0.49	2	7/14/11	1:29	TPH
Heptane	4.6	0.10		19	0.41	2	7/14/11	1:29	TPH
Hexachlorobutadiene	ND	0.10		ND	1.1	2	7/14/11	1:29	TPH
Hexane	13	0.10		47	0.35	2	7/14/11	1:29	TPH
2-Hexanone (MBK)	ND	0.10		ND	0.41	2	7/14/11	1:29	TPH

ANALYTICAL RESULTS

Project Location: 67 Brighton 1st Lane, Brooklyn,
 Date Received: 7/11/2011
Field Sample #: SG-3
Sample ID: 11G0216-03
 Sample Matrix: Soil Gas
 Sampled: 7/8/2011 11:49

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1239
 Canister Size: 6 liter
 Flow Controller ID: 3008
 Sample Type: 2 hr

Work Order: 11G0216
 Initial Vacuum(in Hg): -30
 Final Vacuum(in Hg): -6
 Receipt Vacuum(in Hg): -6
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling: <20%

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
Isopropanol	7.6	0.10		19	0.25	2	7/14/11	1:29	TPH
Methyl tert-Butyl Ether (MTBE)	4.1	0.10		15	0.36	2	7/14/11	1:29	TPH
Methylene Chloride	1.1	0.20		3.7	0.69	2	7/14/11	1:29	TPH
4-Methyl-2-pentanone (MIBK)	2.4	0.10		9.8	0.41	2	7/14/11	1:29	TPH
Propene	ND	1.0		ND	1.7	2	7/14/11	1:29	TPH
Styrene	0.22	0.10		0.95	0.43	2	7/14/11	1:29	TPH
1,1,2,2-Tetrachloroethane	ND	0.10		ND	0.69	2	7/14/11	1:29	TPH
Tetrachloroethylene	0.14	0.10		0.94	0.68	2	7/14/11	1:29	TPH
Tetrahydrofuran	24	0.10		71	0.29	2	7/14/11	1:29	TPH
Toluene	18	0.10		68	0.38	2	7/14/11	1:29	TPH
1,2,4-Trichlorobenzene	ND	0.10		ND	0.74	2	7/14/11	1:29	TPH
1,1,1-Trichloroethane	ND	0.10		ND	0.55	2	7/14/11	1:29	TPH
1,1,2-Trichloroethane	ND	0.10		ND	0.55	2	7/14/11	1:29	TPH
Trichloroethylene	ND	0.10		ND	0.54	2	7/14/11	1:29	TPH
Trichlorofluoromethane (Freon 11)	0.35	0.10		2.0	0.56	2	7/14/11	1:29	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10		ND	0.77	2	7/14/11	1:29	TPH
1,2,4-Trimethylbenzene	5.6	0.10		27	0.49	2	7/14/11	1:29	TPH
1,3,5-Trimethylbenzene	1.6	0.10		8.0	0.49	2	7/14/11	1:29	TPH
Vinyl Acetate	ND	0.10		ND	0.35	2	7/14/11	1:29	TPH
Vinyl Chloride	ND	0.10		ND	0.26	2	7/14/11	1:29	TPH
m&p-Xylene	10	0.20		44	0.87	2	7/14/11	1:29	TPH
o-Xylene	4.9	0.10		21	0.43	2	7/14/11	1:29	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	110	70-130	7/14/11 0:51
4-Bromofluorobenzene (1)	112	70-130	7/14/11 1:29

Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
11G0216-01 [SG-1]	B033691	1.5	1	N/A	1000	400	300	07/13/11
11G0216-01RE1 [SG-1]	B033691	1.5	1	N/A	1000	400	30	07/13/11
11G0216-02 [SG-2]	B033691	1	1	N/A	1000	400	200	07/13/11
11G0216-02RE1 [SG-2]	B033691	1	1	N/A	1000	400	20	07/13/11
11G0216-03 [SG-3]	B033691	1	1	N/A	1000	400	200	07/13/11
11G0216-03RE1 [SG-3]	B033691	1	1	N/A	1000	400	20	07/13/11

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	RPD	RPD Limit	Flag
	Results	RL	Results	RL	ppbv	Result	%REC	RPD		

Batch B033691 - TO-15 Prep

Blank (B033691-BLK1)

Prepared & Analyzed: 07/13/11

Acetone	ND	0.25
Benzene	ND	0.025
Benzyl chloride	ND	0.025
Bromodichloromethane	ND	0.025
Bromoform	ND	0.025
Bromomethane	ND	0.025
1,3-Butadiene	ND	0.025
2-Butanone (MEK)	ND	0.025
Carbon Disulfide	ND	0.025
Carbon Tetrachloride	ND	0.025
Chlorobenzene	ND	0.025
Chloroethane	ND	0.025
Chloroform	ND	0.025
Chloromethane	ND	0.025
Cyclohexane	ND	0.025
Dibromochloromethane	ND	0.025
1,2-Dibromoethane (EDB)	ND	0.025
1,2-Dichlorobenzene	ND	0.025
1,3-Dichlorobenzene	ND	0.025
1,4-Dichlorobenzene	ND	0.025
Dichlorodifluoromethane (Freon 12)	ND	0.025
1,1-Dichloroethane	ND	0.025
1,2-Dichloroethane	ND	0.025
1,1-Dichloroethylene	ND	0.025
cis-1,2-Dichloroethylene	ND	0.025
trans-1,2-Dichloroethylene	ND	0.025
1,2-Dichloropropane	ND	0.025
cis-1,3-Dichloropropene	ND	0.025
trans-1,3-Dichloropropene	ND	0.025
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.025
Ethanol	ND	0.25
Ethyl Acetate	ND	0.025
Ethylbenzene	ND	0.025
4-Ethyltoluene	ND	0.025
Heptane	ND	0.025
Hexachlorobutadiene	ND	0.025
Hexane	ND	0.025
2-Hexanone (MBK)	ND	0.025
Isopropanol	ND	0.025
Methyl tert-Butyl Ether (MTBE)	ND	0.025
Methylene Chloride	ND	0.050
4-Methyl-2-pentanone (MIBK)	ND	0.025
Propene	ND	0.25
Styrene	ND	0.025
1,1,2,2-Tetrachloroethane	ND	0.025
Tetrachloroethylene	ND	0.025

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit		

Batch B033691 - TO-15 Prep

Blank (B033691-BLK1)

Prepared & Analyzed: 07/13/11

Tetrahydrofuran	ND	0.025
Toluene	ND	0.025
1,2,4-Trichlorobenzene	ND	0.025
1,1,1-Trichloroethane	ND	0.025
1,1,2-Trichloroethane	ND	0.025
Trichloroethylene	ND	0.025
Trichlorofluoromethane (Freon 11)	ND	0.025
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.025
1,2,4-Trimethylbenzene	ND	0.025
1,3,5-Trimethylbenzene	ND	0.025
Vinyl Acetate	ND	0.025
Vinyl Chloride	ND	0.025
m&p-Xylene	ND	0.050
o-Xylene	ND	0.025

Surrogate: 4-Bromofluorobenzene (1) 8.60 8.00 108 70-130

LCS (B033691-BS1)

Prepared & Analyzed: 07/13/11

Acetone	5.57	5.00	111	50-150
Benzene	4.49	5.00	89.7	70-130
Benzyl chloride	4.95	5.00	99.1	70-130
Bromodichloromethane	4.91	5.00	98.1	70-130
Bromoform	5.70	5.00	114	70-130
Bromomethane	5.36	5.00	107	70-130
1,3-Butadiene	4.63	5.00	92.7	70-130
2-Butanone (MEK)	4.33	5.00	86.6	70-130
Carbon Disulfide	4.68	5.00	93.7	70-130
Carbon Tetrachloride	4.99	5.00	99.8	70-130
Chlorobenzene	4.84	5.00	96.7	70-130
Chloroethane	4.76	5.00	95.2	70-130
Chloroform	5.29	5.00	106	70-130
Chloromethane	4.66	5.00	93.2	70-130
Cyclohexane	4.32	5.00	86.3	50-150
Dibromochloromethane	5.30	5.00	106	70-130
1,2-Dibromoethane (EDB)	4.97	5.00	99.4	70-130
1,2-Dichlorobenzene	5.42	5.00	108	70-130
1,3-Dichlorobenzene	5.37	5.00	107	70-130
1,4-Dichlorobenzene	5.38	5.00	108	70-130
Dichlorodifluoromethane (Freon 12)	5.74	5.00	115	70-130
1,1-Dichloroethane	4.92	5.00	98.3	70-130
1,2-Dichloroethane	5.27	5.00	105	70-130
1,1-Dichloroethylene	4.85	5.00	97.0	70-130
cis-1,2-Dichloroethylene	4.98	5.00	99.5	70-130
trans-1,2-Dichloroethylene	5.08	5.00	102	70-130
1,2-Dichloropropane	4.23	5.00	84.6	70-130
cis-1,3-Dichloropropene	4.94	5.00	98.7	70-130
trans-1,3-Dichloropropene	4.35	5.00	87.0	70-130

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag
	Results	RL	Results	RL	ppbv	Result	Limits	RPD	Limit		
Batch B033691 - TO-15 Prep											
LCS (B033691-BS1)						Prepared & Analyzed: 07/13/11					
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.16				5.00		103		70-130		
Ethanol	3.70				5.00		74.1		50-150		
Ethyl Acetate	4.34				5.00		86.7		50-150		
Ethylbenzene	4.71				5.00		94.3		70-130		
4-Ethyltoluene	4.81				5.00		96.2		50-150		
Heptane	4.20				5.00		83.9		50-150		
Hexachlorobutadiene	5.84				5.00		117		70-130		
Hexane	4.29				5.00		85.7		70-130		
2-Hexanone (MBK)	3.60				5.00		71.9		50-150		
Isopropanol	3.52				5.00		70.5		50-150		
Methyl tert-Butyl Ether (MTBE)	5.13				5.00		103		70-130		
Methylene Chloride	4.22				5.00		84.5		70-130		
4-Methyl-2-pentanone (MIBK)	4.23				5.00		84.7		70-130		
Propene	5.06				5.00		101		50-150		
Styrene	4.58				5.00		91.5		70-130		
1,1,2,2-Tetrachloroethane	4.85				5.00		96.9		70-130		
Tetrachloroethylene	5.19				5.00		104		70-130		
Tetrahydrofuran	4.34				5.00		86.7		50-150		
Toluene	4.64				5.00		92.8		70-130		
1,2,4-Trichlorobenzene	6.38				5.00		128		70-130		
1,1,1-Trichloroethane	4.88				5.00		97.5		70-130		
1,1,2-Trichloroethane	4.85				5.00		97.0		70-130		
Trichloroethylene	4.68				5.00		93.6		70-130		
Trichlorofluoromethane (Freon 11)	5.62				5.00		112		70-130		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.11				5.00		102		70-130		
1,2,4-Trimethylbenzene	4.91				5.00		98.1		70-130		
1,3,5-Trimethylbenzene	4.89				5.00		97.9		70-130		
Vinyl Acetate	4.01				5.00		80.3		70-130		
Vinyl Chloride	4.94				5.00		98.9		70-130		
m&p-Xylene	9.72				10.0		97.2		70-130		
o-Xylene	4.73				5.00		94.5		70-130		
<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.66</i>				<i>8.00</i>		<i>108</i>		<i>70-130</i>		

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
 - † Wide recovery limits established for difficult compound.
 - ‡ Wide RPD limits established for difficult compound.
 - # Data exceeded client recommended or regulatory level
- Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
- V-20 Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S000856-CCV1)									
			Lab File ID: F071303.D			Analyzed: 07/13/11 13:09			
Bromochloromethane (1)	199103	8.592	228536	8.592	87	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	684441	10.345	684560	10.345	100	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	607814	14.689	610110	14.697	100	60 - 140	-0.0080	+/-0.50	
LCS (B033691-BS1)									
			Lab File ID: F071304.D			Analyzed: 07/13/11 13:49			
Bromochloromethane (1)	207487	8.592	199103	8.592	104	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	701357	10.345	684441	10.345	102	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	641552	14.689	607814	14.689	106	60 - 140	0.0000	+/-0.50	
Blank (B033691-BLK1)									
			Lab File ID: F071306.D			Analyzed: 07/13/11 15:12			
Bromochloromethane (1)	210566	8.585	199103	8.592	106	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (1)	712617	10.33	684441	10.345	104	60 - 140	-0.0150	+/-0.50	
Chlorobenzene-d5 (1)	656481	14.682	607814	14.689	108	60 - 140	-0.0070	+/-0.50	
SG-1 (11G0216-01RE1)									
			Lab File ID: F071315.D			Analyzed: 07/13/11 22:17			
Bromochloromethane (1)	193336	8.6	199103	8.592	97	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	688656	10.345	684441	10.345	101	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	638305	14.682	607814	14.689	105	60 - 140	-0.0070	+/-0.50	
SG-1 (11G0216-01)									
			Lab File ID: F071316.D			Analyzed: 07/13/11 22:56			
Bromochloromethane (1)	199119	8.6	199103	8.592	100	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	708300	10.345	684441	10.345	103	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	649685	14.689	607814	14.689	107	60 - 140	0.0000	+/-0.50	
SG-2 (11G0216-02RE1)									
			Lab File ID: F071317.D			Analyzed: 07/13/11 23:34			
Bromochloromethane (1)	198318	8.6	199103	8.592	100	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	709959	10.345	684441	10.345	104	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	641345	14.682	607814	14.689	106	60 - 140	-0.0070	+/-0.50	
SG-2 (11G0216-02)									
			Lab File ID: F071318.D			Analyzed: 07/14/11 00:13			
Bromochloromethane (1)	196148	8.6	199103	8.592	99	60 - 140	0.0080	+/-0.50	
1,4-Difluorobenzene (1)	698675	10.338	684441	10.345	102	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	645922	14.682	607814	14.689	106	60 - 140	-0.0070	+/-0.50	
SG-3 (11G0216-03RE1)									
			Lab File ID: F071319.D			Analyzed: 07/14/11 00:51			
Bromochloromethane (1)	198231	8.585	199103	8.592	100	60 - 140	-0.0070	+/-0.50	
1,4-Difluorobenzene (1)	716001	10.338	684441	10.345	105	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	650103	14.682	607814	14.689	107	60 - 140	-0.0070	+/-0.50	
SG-3 (11G0216-03)									
			Lab File ID: F071320.D			Analyzed: 07/14/11 01:29			
Bromochloromethane (1)	194614	8.592	199103	8.592	98	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	707354	10.338	684441	10.345	103	60 - 140	-0.0070	+/-0.50	
Chlorobenzene-d5 (1)	639472	14.682	607814	14.689	105	60 - 140	-0.0070	+/-0.50	

CONTINUING CALIBRATION CHECK

EPA TO-15

S000856-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	7.22	0.9572932	1.383204	0.05	44.5	50
Benzene	A	5.00	4.83	0.7445976	0.7192906	0.05	-3.4	30
Benzyl chloride	A	5.00	5.68	1.039369	1.180893	0.05	13.6	30
Bromodichloromethane	A	5.00	5.26	0.5037588	0.5300746	0.05	5.2	30
Bromoform	A	5.00	6.53	0.5202506	0.6793605	0.05	30.6	30 *
Bromomethane	A	5.00	5.82	0.6800857	0.7919037	0.05	16.4	30
1,3-Butadiene	A	5.00	5.13	0.5168669	0.5304591	0.05	2.6	30
2-Butanone (MEK)	A	5.00	5.02	1.442287	1.448505	0.05	0.4	30
Carbon Disulfide	A	5.00	5.55	1.990114	2.207902	0.05	10.9	30
Carbon Tetrachloride	A	5.00	5.34	0.4616211	0.4930038	0.05	6.8	30
Chlorobenzene	A	5.00	5.40	0.7711919	0.832502	0.05	8.0	30
Chloroethane	A	5.00	5.42	0.3673746	0.398443	0.05	8.5	30
Chloroform	A	5.00	5.83	1.424879	1.660905	0.05	16.6	30
Chloromethane	A	5.00	5.11	0.6045946	0.6181645	0.05	2.2	30
Cyclohexane	A	5.00	4.66	0.3404812	0.3175871	0.05	-6.7	30
Dibromochloromethane	A	5.00	5.98	0.5565529	0.6657115	0.05	19.6	30
1,2-Dibromoethane (EDB)	A	5.00	5.55	0.5224367	0.579701	0.05	11.0	30
1,2-Dichlorobenzene	A	5.00	6.08	0.7350193	0.8941814	0.05	21.7	30
1,3-Dichlorobenzene	A	5.00	5.98	0.774909	0.9270152	0.05	19.6	30
1,4-Dichlorobenzene	A	5.00	6.07	0.7899202	0.9592829	0.05	21.4	30
Dichlorodifluoromethane (Freon 12)	A	5.00	6.30	1.676061	2.112024	0.05	26.0	30
1,1-Dichloroethane	A	5.00	5.37	1.265918	1.35875	0.05	7.3	30
1,2-Dichloroethane	A	5.00	5.78	0.9102673	1.051765	0.05	15.5	30
1,1-Dichloroethylene	A	5.00	5.58	1.036199	1.156828	0.05	11.6	30
cis-1,2-Dichloroethylene	A	5.00	5.54	0.9291754	1.029979	0.05	10.8	30
trans-1,2-Dichloroethylene	A	5.00	5.53	0.994264	1.09913	0.05	10.5	30
1,2-Dichloropropane	A	5.00	4.60	0.2704444	0.2487893	0.05	-8.0	30
cis-1,3-Dichloropropene	A	5.00	5.05	0.4016621	0.4055046	0.05	1.0	30
trans-1,3-Dichloropropene	A	5.00	5.09	0.4003214	0.4076553	0.05	1.8	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 113)	A	5.00	5.84	1.873473	2.189227	0.05	16.9	30
Ethanol	A	5.00	4.80	0.2417121	0.2322979	0.05	-3.9	50
Ethyl Acetate	A	5.00	4.97	0.2271156	0.2258128	0.05	-0.6	50
Ethylbenzene	A	5.00	5.23	1.276998	1.336535	0.05	4.7	30
4-Ethyltoluene	A	5.00	5.47	1.413115	1.546481	0.05	9.4	50
Heptane	A	5.00	4.46	0.2255311	0.2011335	0.05	-10.8	50
Hexachlorobutadiene	A	5.00	6.15	0.4997336	0.6147433	0.05	23.0	30
Hexane	A	5.00	4.70	0.8010376	0.7523423	0.05	-6.1	30
2-Hexanone (MBK)	A	5.00	4.37	0.6180448	0.539931	0.05	-12.6	50

CONTINUING CALIBRATION CHECK

EPA TO-15

S000856-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Isopropanol	A	5.00	4.75	1.280226	1.216536	0.05	-5.0	50
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.62	1.981639	2.227896	0.05	12.4	30
Methylene Chloride	A	5.00	4.95	0.764772	0.7566656	0.05	-1.1	30
4-Methyl-2-pentanone (MIBK)	A	5.00	4.84	0.2259675	0.2185281	0.05	-3.3	30
Propene	A	5.00	5.26	0.4763985	0.501457	0.05	5.3	50
Styrene	A	5.00	4.97	0.7668346	0.76212	0.05	-0.6	30
1,1,2,2-Tetrachloroethane	A	5.00	5.35	0.697533	0.746202	0.05	7.0	30
Tetrachloroethylene	A	5.00	5.78	0.4642605	0.5371512	0.05	15.7	30
Tetrahydrofuran	A	5.00	4.89	0.7981852	0.7808381	0.05	-2.2	50
Toluene	A	5.00	5.14	0.9857128	1.013681	0.05	2.8	30
1,2,4-Trichlorobenzene	A	5.00	6.84	0.5310595	0.7260458	0.05	36.7	30 *
1,1,1-Trichloroethane	A	5.00	5.24	0.4743502	0.4971648	0.05	4.8	30
1,1,2-Trichloroethane	A	5.00	5.31	0.3284759	0.3487435	0.05	6.2	30
Trichloroethylene	A	5.00	5.05	0.3129761	0.3163481	0.05	1.1	30
Trichlorofluoromethane (Freon 11)	A	5.00	6.15	1.706165	2.097495	0.05	22.9	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	5.00	5.81	1.350825	1.569905	0.05	16.2	30
1,2,4-Trimethylbenzene	A	5.00	5.52	1.153349	1.272674	0.05	10.3	30
1,3,5-Trimethylbenzene	A	5.00	5.45	1.16111	1.265153	0.05	9.0	30
Vinyl Acetate	A	5.00	4.49	2.070403	1.860561	0.05	-10.1	30
Vinyl Chloride	A	5.00	5.47	0.6972394	0.7630222	0.05	9.4	30
m&p-Xylene	A	10.0	10.2	1.024508	1.042724	0.05	1.8	30
o-Xylene	A	5.00	5.26	1.014615	1.067024	0.05	5.2	30

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Acetone	AIHA
Benzene	AIHA,FL,NJ,NY
Benzyl chloride	AIHA,FL,NJ,NY
Bromodichloromethane	AIHA,NJ
Bromoform	AIHA,NJ
Bromomethane	AIHA,FL,NJ,NY
1,3-Butadiene	AIHA,NJ
2-Butanone (MEK)	AIHA,FL,NJ,NY
Carbon Disulfide	AIHA,NJ
Carbon Tetrachloride	AIHA,FL,NJ,NY
Chlorobenzene	AIHA,FL,NJ,NY
Chloroethane	AIHA,FL,NJ,NY
Chloroform	AIHA,FL,NJ,NY
Chloromethane	AIHA,FL,NJ,NY
Cyclohexane	AIHA,NJ
Dibromochloromethane	AIHA
1,2-Dibromoethane (EDB)	AIHA,NJ
1,2-Dichlorobenzene	AIHA,FL,NJ,NY
1,3-Dichlorobenzene	AIHA,NJ
1,4-Dichlorobenzene	AIHA,FL,NJ,NY
Dichlorodifluoromethane (Freon 12)	AIHA
1,1-Dichloroethane	AIHA,FL,NJ,NY
1,2-Dichloroethane	AIHA,FL,NJ,NY
1,1-Dichloroethylene	AIHA,FL,NJ,NY
cis-1,2-Dichloroethylene	AIHA,FL,NY
trans-1,2-Dichloroethylene	AIHA,NJ,NY
1,2-Dichloropropane	AIHA,FL,NJ,NY
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY
trans-1,3-Dichloropropene	AIHA
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY
Hexachlorobutadiene	AIHA,NJ,NY
Hexane	AIHA,FL,NJ,NY
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY
Methylene Chloride	AIHA,FL,NJ,NY
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY
Propene	AIHA
Styrene	AIHA,FL,NJ,NY
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY
Tetrachloroethylene	AIHA,FL,NJ,NY
Tetrahydrofuran	AIHA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
Toluene	AIHA,FL,NJ,NY
1,2,4-Trichlorobenzene	AIHA,NJ,NY
1,1,1-Trichloroethane	AIHA,FL,NJ,NY
1,1,2-Trichloroethane	AIHA,FL,NJ,NY
Trichloroethylene	AIHA,FL,NJ,NY
Trichlorofluoromethane (Freon 11)	AIHA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY
1,2,4-Trimethylbenzene	AIHA,NJ
1,3,5-Trimethylbenzene	AIHA,NJ
Vinyl Acetate	AIHA,FL,NJ,NY
Vinyl Chloride	AIHA,FL,NJ,NY
m&p-Xylene	AIHA,FL,NJ,NY
o-Xylene	AIHA,FL,NJ,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013



Phone: 413-525-2332
 Fax: 413-525-6405
 Email: info@contestlabs.com
 www.contestlabs.com

REC'D
 1160216

AIR SAMPLE CHAIN OF CUSTODY
 39 SPRUCE ST
 EAST LONGMEADOW, MA 01028

Page 1 of 1
 Doc# 284
 Rev. July 2010

Company Name: Laurel Environmental Assoc, Ltd

Address: 53 West Hills Rd
 Huntington Station, NY 11746

Attention: Scott Yanuck

Project Location: 67 Brighton 1st Lane, Brooklyn

Sampled By: Scott Yanuck

Proposal Provided? (For Billing purposes)
 yes proposal date

Telephone: (631) 673-0612

Project #: 11-256

Client PO #

DATA DELIVERY (check one):
 FAX EMAIL WEBSITE CLIENT

Fax #: _____
 Email: labresults@laurelenv.com

Format: EXCEL PDF GIS KEY OTHER

ONLY USE WHEN USING PUMPS

Field ID	Sample Description	Media	Lab #	Date Sampled		Total Minutes Sampled	Flow Rate M ³ /Min. or L/Min.	Volume Liters or M ³	Matrix Code*	TO-15	Summa Canister ID	Flow Controller ID
				Start Date Time	Stop Date Time							
001	SG-1	S	01	7/8/2011 11:27	7/8/2011 13:27				SG			
002	SG-2	S	02	7/8/2011 9:21	7/8/2011 11:17				SG			
003	SG-3	S	03	7/8/2011 9:40	7/8/2011 11:49				SG			

CLIENT COMMENTS:

Relinquished by: (signature) [Signature]
 Date/Time: 7/8/11 5:30 PM

Received by: (signature) [Signature]
 Date/Time: 7/11/11 12:19

Relinquished by: (signature) [Signature]
 Date/Time:

Received by: (signature)
 Date/Time:

Turnaround **
 7-Day
 10-Day
 Other _____
 RUSH *
 *24-Hr *48-Hr
 *72-Hr *4-Day
 *Approval Required

Special Requirements
 Regulations: NYSDEC ASP-B
 Data Enhancement/RCP? Y N
 Enhanced Data Package Y N
 (Surcharge Applies)
 Required Detection Limits: NYSDOH
 Other: _____

*Matrix Code:
 SG= SOIL GAS
 IA= INDOOR AIR
 AMB= AMBIENT
 SS= SUB SLAB
 D= DUP
 BL= BLANK
 O= other

**Media Codes:
 S= summa can
 T= tediard bag
 P= PUF
 T= tube
 F= filter
 C= cassette
 O= Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.
 AIHA, NELAC & WBE/DBE Certified



United States

N

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Tracking Number



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Tracking Detail

1Z89120W9094532235

Delivered

Delivered On:

Monday, 07/11/2011 at 12:19 P.M.

[Request Status Updates](#)

Left At:

Front Desk

Signed By:

BLAKE

[Proof of Delivery](#)

Additional Information

Type:

Package

Weight:

32.00 lbs

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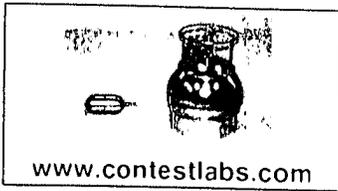
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39 Spruce St.
 East Longmeadow, MA.
 01028
 P: 413-525-2332
 F: 413-525-6405

AIR Only Receipt Checklist

CLIENT NAME: Laurel Env RECEIVED BY: PB DATE: 7-11-11

- 1) Was the chain(s) of custody relinquished and signed? Yes No
- 2) Does the chain agree with the samples?
 If not, explain: Yes No
- 3) Are all the samples in good condition?
 If not, explain: Yes No
- 4) Are there any samples "On Hold"? Yes No Stored where:
- 5) Are there any RUSH or SHORT HOLDING TIME samples?
 Who was notified _____ Date _____ Time _____ Yes No

6) Location where samples are stored: Air Lab
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

Air Media received at Con-Test			
		# of Containers	Types (Size, Duration)
Air Sampling Media	Summa Cans	4	6 lit
	Tedlar Bags		
	Tubes		
Flow Controllers	Regulators	2	2 hr
	Restrictors		
Extras	Tubing		
	Other		

Unused Summas:

Unused Regulators:

- 1) Was all media (used & unused checked into the WASP?
- 2) Were all returned summa cans, Restrictors, & Regulators documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:
UPS # 12 891 20W 90 9453 2235 | 3008 1473
3041 1258
1239
1107



Air Sampling Media Certificate of Analysis

Date Analyzed: 4/26/2011 **Batch #:** 11B0166

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC1473 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.20	Propene	<0.40	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.04	Hexane	<0.02	1,2-Dibromomethane
<0.02	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.20	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
<0.40	Acetone	<0.02	Cyclohexane	<0.02	1,1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.40	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
0.06	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
<0.02	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.02	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.20	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.40	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: TPH 7/15/11



Air Sampling Media Certificate of Analysis

Date Analyzed: 6/30/2011 **Batch #:** 11B0232

Certification Type: *Batch Certified* *Individual Certified*

Media Type: *Summa Canister* *Flow Controllers*

Media IDs: BC1258 BC1239 _____

Note: Two ID's grouped together, for example BC2136/BC3145, represents matched pairs of certified summa canisters and flow controllers.

Units: PPBv

<0.20	Propene	<0.40	Vinyl acetate	<0.02	Dibromchloromethane
<0.02	Dichlorodifluoromethane	<0.04	Hexane	<0.02	1,2-Dibromomethane
<0.02	Chloromethane	<0.02	Ethyl acetate	<0.02	Tetrachloroethylene
<0.02	Freon 114	<0.02	Chloroform	<0.02	Chlorobenzene
<0.02	Vinyl chloride	<0.02	Tetrahydrofuran	<0.02	Ethylbenzene
<0.02	1,3-Butadiene	<0.02	1,2-Dichloroethane	<0.04	m,p-Xylenes
<0.02	Bromomethane	<0.02	1,1,1-Trichloroethane	<0.02	Bromoform
<0.02	Chloroethane	<0.02	Benzene	<0.02	Styrene
<0.20	Acrolein	<0.02	Carbon Tetrachloride	<0.02	o-Xylene
0.47	Acetone	<0.02	Cyclohexane	<0.02	1,1,1,2,2-Tetrachloroethane
<0.02	Trichlorofluoromethane	<0.02	1,2-Dichloropropane	<0.02	4-Ethyltoluene
<0.40	Ethanol	<0.02	Bromodichloromethane	<0.02	1,3,5-Trimethylbenzene
<0.02	1,1-Dichloroethylene	<0.02	Trichloroethylene	<0.02	1,2,4-Trimethylbenzene
<0.04	Methylene chloride	<0.02	1,4-Dioxane	<0.02	1,3-Dichlorobenzene
0.07	Freon 113	<0.02	Methylmethacrylate	<0.02	Benzyl chloride
<0.02	Carbon disulfide	<0.02	Heptane	<0.02	1,4-Dichlorobenzene
<0.02	t-1,2-Dichloroethylene	<0.02	MIBK	<0.02	1,2-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	c-1,3-Dichloropropylene	<0.02	1,2,4-Trichlorobenzene
<0.02	MTBE	<0.02	t-1,3-Dichloropropylene	<0.02	Naphthalene
<0.20	IPA	<0.02	1,1,2-Trichloroethylene	<0.02	Hexachlorobutadiene
<0.40	2-Butanone (MEK)	<0.02	Toluene		
<0.02	c-1,2-Dichloroethylene	<0.02	2-Hexanone (MBK)		

Special Notes: _____

Analyst Initials/Date: TPH 7/15/11

APPENDIX G

DESIGN DIAGRAMS AND SPECIFICATIONS FOR VAPOR BARRIER/WATERPROOFING MEMBRANE

PREPRUFE® 300R & 160R

Pre-applied waterproofing membranes that bond integrally to poured concrete for use below slabs or behind basement walls on confined sites

Description

Preprufe® 300R & 160R membranes are unique composite sheets comprising a thick HDPE film, an aggressive pressure sensitive adhesive and a weather resistant protective coating.

Unlike conventional non-adhering membranes, which are vulnerable to water ingress tracking between the unbonded membrane and structure, the unique Preprufe bond to concrete prevents ingress or migration of water around the structure.

The Preprufe R System includes:

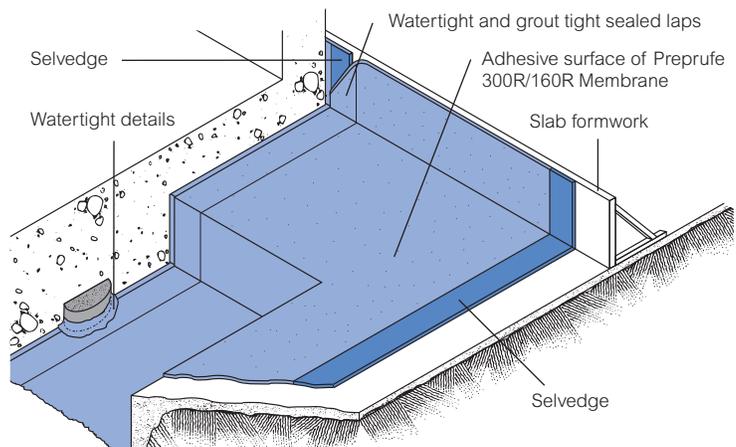
- **Preprufe 300R**—heavy-duty grade for use below slabs and on rafts (i.e. mud slabs). Designed to accept the placing of heavy reinforcement using conventional concrete spacers.
- **Preprufe 160R**—thinner grade for blindside, zero property line applications against soil retention systems.
- **Preprufe Tape LT**—for covering cut edges, roll ends, penetrations and detailing (temperatures between 25°F (-4°C) and 86°F (+30°C)).
- **Preprufe Tape HC**—as above for use in Hot Climates (minimum 50°F (10°C)).
- **Bituthene® Liquid Membrane**—for sealing around penetrations, etc.
- **Adcor™ ES**—waterstop for joints in concrete walls and floors
- **Preprufe Tieback Covers**—preformed cover for soil retention wall tieback heads
- **Preprufe Preformed Corners**—preformed inside and outside corners

Preprufe 300R & 160R membranes are applied either horizontally to smooth prepared concrete, carton forms or well rolled and compacted earth or crushed stone substrate; or vertically to permanent formwork or adjoining structures. Concrete is then cast directly against the adhesive side of the membranes. The specially developed Preprufe adhesive layers work together to form a continuous and integral seal to the structure.

Preprufe can be returned up the inside face of slab formwork but is not recommended for conventional twin-sided formwork on walls, etc. Use Bituthene self-adhesive membrane or Procor® fluid applied membrane to walls after removal of formwork for a fully bonded system to all structural surfaces.

Advantages

- **Forms a unique continuous adhesive bond to concrete poured against it**—prevents water migration and makes it unaffected by ground settlement beneath slabs
- **Fully-adhered watertight laps** and detailing
- **Provides a barrier to water, moisture and gas**—physically isolates the structure from the surrounding ground
- **BBA Certified** for basement Grades 2, 3, & 4 to BS 8102:1990
- **Zero permeance** to moisture
- **Solar reflective**—reduced temperature gain
- **Simple and quick to install**—requiring no priming or fillets
- **Can be applied to permanent formwork**—allows maximum use of confined sites
- **Self protecting**—can be trafficked immediately after application and ready for immediate placing of reinforcement
- **Unaffected by wet conditions**—cannot activate prematurely
- **Inherently waterproof, non-reactive system:**
 - not reliant on confining pressures or hydration
 - unaffected by freeze/thaw, wet/dry cycling
- **Chemical resistant**—effective in most types of soils and waters, protects structure from salt or sulphate attack



Drawings are for illustration purposes only. Please refer to graceconstruction.com for specific application details.

Installation

The most current application instructions, detail drawings and technical letters can be viewed at graceconstruction.com. For other technical information contact your local Grace representative.

Preprufe 300R & 160R membranes are supplied in rolls 4 ft (1.2 m) wide, with a selvedge on one side to provide self-adhered laps for continuity between rolls. The rolls of Preprufe Membrane and Preprufe Tape are interwound with a disposable plastic release liner which must be removed before placing reinforcement and concrete.

Substrate Preparation

All surfaces—It is essential to create a sound and solid substrate to eliminate movement during the concrete pour. Substrates must be regular and smooth with no gaps or voids greater than 0.5 in. (12 mm). Grout around all penetrations such as utility conduits, etc. for stability (see Figure 1).

Horizontal—The substrate must be free of loose aggregate and sharp protrusions. Avoid curved or rounded substrates. When installing over earth or crushed stone, ensure substrate is well compacted to avoid displacement of substrate due to traffic or concrete pour. The surface does not need to be dry, but standing water must be removed.

Vertical—Use concrete, plywood, insulation or other approved facing to sheet piling to provide support to the membrane. Board systems such as timber lagging must be close butted to provide support and not more than 0.5 in. (12 mm) out of alignment.

Membrane Installation

Preprufe can be applied at temperatures of 25°F (-4°C) or above. When installing Preprufe in cold or marginal weather conditions 55°F (<13°C) the use of Preprufe Tape LT is recommended at all laps and detailing. Preprufe Tape LT should be applied to clean, dry surfaces and the release liner must be removed immediately after application. Alternatively, Preprufe Low Temperature (LT) is available for low temperature condition applications. Refer to Preprufe LT data sheet for more information.

Horizontal substrates—Place the membrane HDPE film side to the substrate with the clear plastic release liner facing towards the concrete pour. End laps should be staggered to avoid a build up of layers. Leave plastic release liner in position until overlap procedure is completed (see Figure 2).

Accurately position succeeding sheets to overlap the previous sheet 3 in. (75 mm) along the marked selvedge. Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Peel back the plastic release liner from between the overlaps as the two layers are bonded together. Ensure a continuous bond is achieved without creases and roll firmly with a heavy roller. Completely remove the plastic liner to expose the protective coating. Any initial tack will quickly disappear.

Refer to Grace Tech Letter 15 for information on suitable rebar chairs for Preprufe.

Vertical substrates—Mechanically fasten the membrane vertically using fasteners appropriate to the substrate with the clear plastic release liner facing towards the concrete pour. The membrane may be installed in any convenient length. Fastening can be made through the selvedge using a small and low profile head fastener so that the membrane lays flat and allows firmly rolled overlaps. Immediately remove the plastic release liner.

Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to

overlap. Roll firmly to ensure a watertight seal.

Roll ends and cut edges—Overlap all roll ends and cut edges by a minimum 3 in. (75 mm) and ensure the area is clean and free from contamination, wiping with a damp cloth if necessary. Allow to dry and apply Preprufe Tape LT (or HC in hot climates) centered over the lap edges and roll firmly (see Figure 3). Immediately remove printed plastic release liner from the tape.

Details

Refer to Preprufe Field Application Manual, Section V Application Instructions or visit graceconstruction.com. This manual gives comprehensive guidance and standard details.

Membrane Repair

Inspect the membrane before installation of reinforcement steel, formwork and final placement of concrete. The membrane can be easily cleaned by power washing if required. Repair damage by wiping the area with a damp cloth to ensure the area is clean and free from dust, and allow to dry. Repair small punctures (0.5 in. (12 mm) or less) and slices by applying Preprufe Tape centered over the damaged area and roll firmly. Remove the release liner from the tape. Repair holes and large punctures by applying a patch of Preprufe membrane, which extends 6 in. (150 mm) beyond the damaged area. Seal all edges of the patch with Preprufe Tape, remove the release liner from the tape and roll firmly. Any areas of damaged adhesive should be covered with Preprufe Tape. Remove printed plastic release liner from tape. Where exposed selvedge has lost adhesion or laps have not been sealed, ensure the area is clean and dry and cover with fresh Preprufe Tape, rolling firmly. Alternatively, use a hot air gun or similar to activate adhesive and firmly roll lap to achieve continuity.

Pouring of Concrete

Ensure the plastic release liner is removed from all areas of Preprufe membrane and tape.

It is recommended that concrete be poured within 56 days (42 days in hot climates) of application of the membrane. Following proper ACI guidelines, concrete must be placed carefully and consolidated properly to avoid damage to the membrane. Never use a sharp object to consolidate the concrete.

Removal of Formwork

Preprufe membranes can be applied to removable formwork, such as slab perimeters, elevator and lift pits, etc. Once the concrete is poured the formwork must remain in place until the concrete has gained sufficient compressive strength to develop the surface bond. Preprufe membranes are not recommended for conventional twin-sided wall forming systems.

A minimum concrete compressive strength of 1500 psi (10 N/mm²) is recommended prior to stripping formwork supporting Preprufe membranes. Premature stripping may result in displacement of the membrane and/or spalling of the concrete.

Refer to Grace Tech Letter 17 for information on removal of formwork for Preprufe.

Figure 1



Figure 2

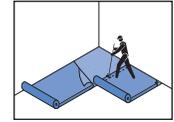
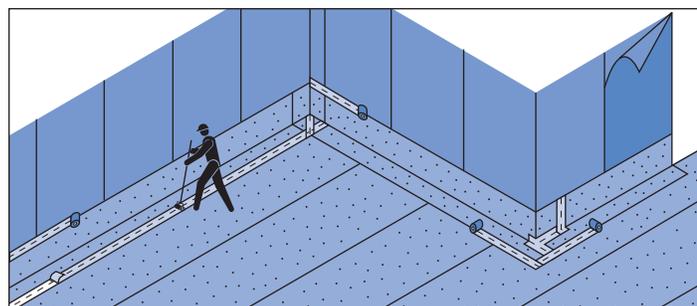
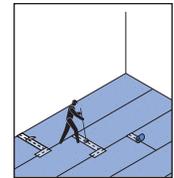


Figure 3

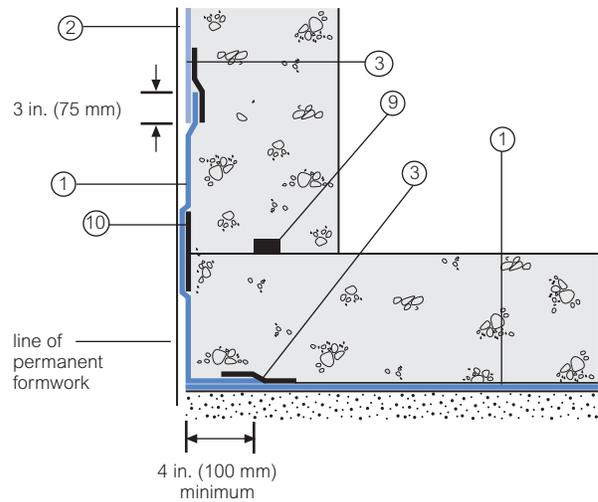


Detail Drawings

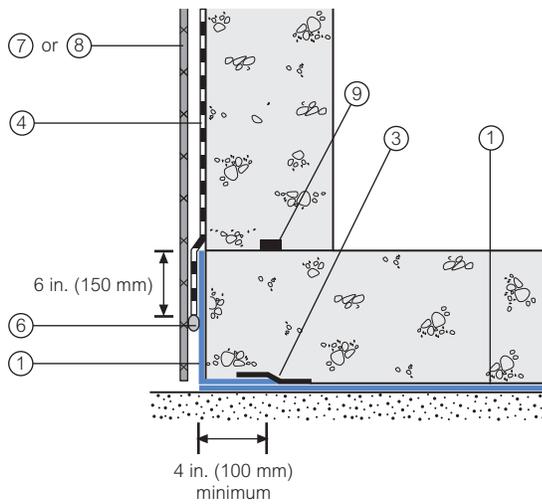
Details shown are typical illustrations and not working details. For a list of the most current details, visit us at graceconstruction.com.

For technical assistance with detailing and problem solving please call toll free at 866-333-3SBM (3726).

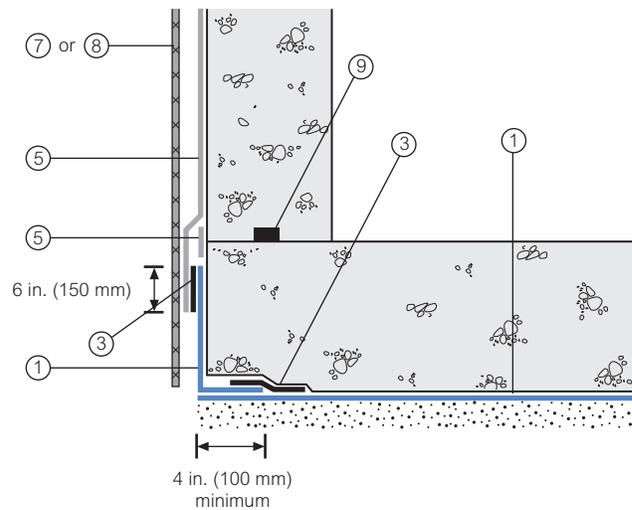
Wall base detail against permanent shutter



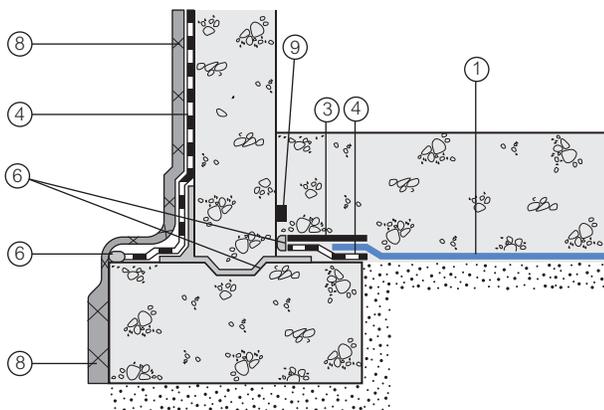
Bituthene wall base detail (Option 1)



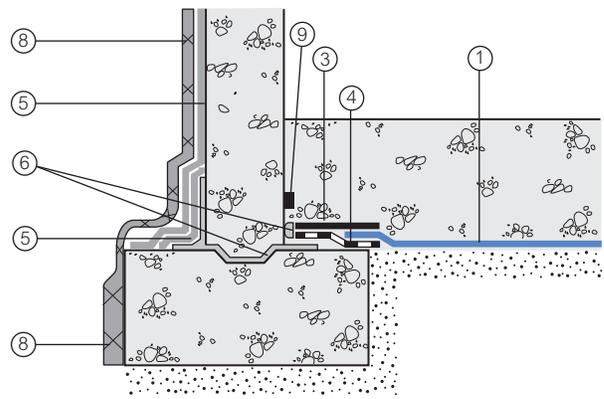
Procor wall base detail (Option 1)



Bituthene wall base detail (Option 2)



Procor wall base detail (Option 2)



- 1 Preprufe 300R
- 2 Preprufe 160R
- 3 Preprufe Tape
- 4 Bituthene

- 5 Procor
- 6 Bituthene Liquid Membrane
- 7 Protection

- 8 Hydroduct®
- 9 Adcor ES
- 10 Preprufe CJ Tape

Supply

Dimensions (Nominal)	Preprufe 300R Membrane	Preprufe 160R Membrane	Preprufe Tape (LT or HC*)
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	
Roll size	4 ft x 98 ft (1.2 m x 30 m)	4 ft x 115 ft (1.2 m x 35 m)	4 in. x 49 ft (100 mm x 15 m)
Roll area	392 ft ² (36 m ²)	460 ft ² (42 m ²)	
Roll weight	108 lbs (50 kg)	92 lbs (42 kg)	4.3 lbs (2 kg)
Minimum side/end laps	3 in. (75 mm)	3 in. (75 mm)	3 in. (75 mm)
* LT denotes Low Temperature (between 25°F (-4°C) and 86°F (+30°C)) HC denotes Hot Climate (50°F (>+10°C))			
Ancillary Products			
Bituthene Liquid Membrane—1.5 US gal (5.7 liter) or 4 US gal (15.1 liter)			

Physical Properties

Property	Typical Value 300R	Typical Value 160R	Test Method
Color	white	white	
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	ASTM D3767
Lateral Water Migration Resistance	Pass at 231 ft (71 m) of hydrostatic head pressure	Pass at 231 ft (71 m) of hydrostatic head pressure	ASTM D5385, modified ¹
Low temperature flexibility	Unaffected at -20°F (-29°C)	Unaffected at -20°F (-29°C)	ASTM D1970
Resistance to hydrostatic head	231 ft (71 m)	231 ft (71 m)	ASTM D5385, modified ²
Elongation	660%	580%	ASTM D412, modified ³
Tensile strength	4000 psi (27.6 MPa)	4000 psi (27.6 MPa)	ASTM D412
Crack cycling at -9.4°F (-23°C), 100 cycles	Unaffected, Pass	Unaffected, Pass	ASTM C836
Puncture resistance	221 lbs (990 N)	100 lbs (445 N)	ASTM E154
Peel adhesion to concrete	5 lbs/in. (880 N/m)	5 lbs/in. (880 N/m)	ASTM D903, modified ⁴
Lap peel adhesion	5 lbs/in. (880 N/m)	5 lbs/in. (880 N/m)	ASTM D1876, modified ⁵
Permeance to water vapor transmission	0.01 perms (0.6 ng/(Pa × s × m ²))	0.01 perms (0.6 ng/(Pa × s × m ²))	ASTM E96, method B
Water absorption	0.5%	0.5%	ASTM D570

Footnotes:

- Lateral water migration resistance is tested by casting concrete against membrane with a hole and subjecting the membrane to hydrostatic head pressure with water. The test measures the resistance of lateral water migration between the concrete and the membrane.
- Hydrostatic head tests of Preprufe Membranes are performed by casting concrete against the membrane with a lap. Before the concrete cures, a 0.125 in. (3 mm) spacer is inserted perpendicular to the membrane to create a gap. The cured block is placed in a chamber where water is introduced to the membrane surface up to the head indicated.
- Elongation of membrane is run at a rate of 2 in. (50 mm) per minute.
- Concrete is cast against the protective coating surface of the membrane and allowed to properly dry (7 days minimum). Peel adhesion of membrane to concrete is measured at a rate of 2 in. (50 mm) per minute at room temperature.
- The test is conducted 15 minutes after the lap is formed (per Grace published recommendations) and run at a rate of 2 in. (50 mm) per minute.

Specification Clauses

Preprufe 300R or 160R shall be applied with its adhesive face presented to receive fresh concrete to which it will integrally bond. Only Grace Construction Products approved membranes shall be bonded to Preprufe 300R/160R. All Preprufe 300R/160R system materials shall be supplied by Grace Construction Products, and applied strictly in accordance with their instructions. Specimen performance and formatted clauses are also available.

NOTE: Use Preprufe Tape to tie-in Procor with Preprufe.

Health and Safety

Refer to relevant Material Safety data sheet. Complete rolls should be handled by a minimum of two persons.

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

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