MARKLAND 745, LLC

BRONX, NEW YORK

Remedial Investigation Report

NYC VCP Site Number:

Prepared for:

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Markland 745, LLC

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REMEDIAL INVESTIGATION REPORT

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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
FTBG	Feet Below Grade
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 VCP	New York City Voluntary 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 Taylor, 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 Markland 745, LLC Site, and (NYC VCP Site No. site number). 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.

Scott Taylor 9/2/2013

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 in the Port Morris section of Bronx, New York and is identified as Block 2562 and Lots 65, 66, 67, and 68 on the New York City Tax Map. The Site is approximately 6,700-square feet and is bounded by 134th Street to the north, 133rd Street to the south, Willow Avenue to the east, and Cypress Avenue to the to the west. Presently, the Site is vacant.

Summary of Proposed Redevelopment Plan

As a result of the proposed redevelopment plan, the vacant, undeveloped project site will be converted into a residential use that will consist of four, four-story buildings with penthouses. The first floor of each building will be occupied by the first floor of a three bedroom unit as well as with uses associated with the proposed residences (i.e. lobby, parking and mechanical space). All buildings will be constructed at grade. The proposed buildings will cover approximately two-thirds of the total lot area and the remaining rear lot will be utilized as open space. Living spaces on the first floor make up approximately half of the building footprint. The back of the lots will be used for open space; however, landscape design for this rear lot is ongoing.

Currently, the project site is covered with four inch concrete slab. Bedrock is located approximately six feet below grade. The estimated maximum excavation depth of the proposed project would be six feet. The applicant is proposing at least a four foot excavation depth for frost protection. Excavation will be conducted for utilities and footings. Groundwater was not encountered during the RI and is not expected to be encountered during project construction.

The current zoning designation of the Site is M1-2/R-6, which is a mixed-use district where a manufacturing district is matched with a residential district to allow a mixture of uses (residential and non-residential) within the same zoning district, block or building. Lots 65, 66, 67, 68 have been designated with Hazardous Materials and Noise Attenuation "E"-designation as part of the March 9, 2005 Port Morris/ Bruckner Boulevard Rezoning (CEQR # 05 DCP 005X).

Summary of Past Uses of Site and Areas of Concern

The following environmental work plans and reports were developed for the Site:

- *Phase I Environmental Site Assessment*, June 2011, prepared by Omega Environmental Services, Inc.
- *Underground Storage Tank Investigation,* February 2013, prepared by Utility Detection, Inc.

Digital (PDF) copies of the above referenced environmental work plans and reports are included as Appendix A, Other Site Investigations.

The Phase I report was prepared in June 2011 by Omega Environmental Services, Inc. for Frank Mizerik of Miller Druck Specialty Contracting. Inc. Below is a brief summary of the Phase I findings:

1. The site was not identified on any of the databases searched.

2. Regulatory issues were reviewed within the ASTM radii (up to one-mile) of the subject Property (Site). Twenty-three (23) NY Spills sites, twelve (12) SWF sites, thirty-three (33) LTANKS sites, and 2 DRYCLEANERS, as well several other sites were identified within one mile of the property. Many of the listed sites are related to oil in the nearby manholes.

3. No unusual surface conditions (such as would indicate settling) were observed during the site investigation. The property and surrounding area are generally level with a slight slope to the south.

4. According to the US EPA, the Radon Zone for the Bronx is Zone 3 - low potential for radon levels above the 4 picoCurie/liter standard.

5. There were no visual signs of significant staining or spills around the exterior of the site. The entire site is covered with concrete slabs.

6. It is the opinion of Omega Environmental Services that the environmental risk associated with the subject property is moderate, as is typical for the surrounding area.

7. Based on the industrial history of the surrounding area, general shallow contamination of soils and shallow groundwater is likely (off-site sources).

8. Lots 65, 66, 67, and 68 consisted of residential development prior to 1977.

The ground penetrating radar (GPR) investigation conducted by Utility Detection, Inc. in February 2013 indicated that there is no evidence of the existence of any underground storage tanks within the accessible areas on the property. Refer to Appendix 1 for the survey results.

Summary of the Work Performed under the Remedial Investigation

Taylord Environment, Inc. performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed six soil borings across the entire project Site, and collected eight soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Groundwater monitoring wells were not installed at the Site. Groundwater was not encountered during the RI conducted on January 15, 2013. Depth to bedrock over the Site is six feet;
4. 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 19 to 19 feet.
2. Groundwater was not encountered during the January 15, 2013 Remedial Investigation.
3. Depth to bedrock is approximately six feet at the Site.
4. The stratigraphy of the site, from the surface down, consists of four feet of Historic Urban fill underlain by four feet of brown medium sand loam. Bedrock was encountered throughout the site at six feet.
5. Soil/fill samples collected during the RI showed no Volatile Organic Compounds (VOCs) were present at detectable concentrations, with the exception of methylene chloride (1500 ppb in one sample). Six SVOCs were detected in one shallow soil sampling location at concentrations above Restricted Residential SCOs and included benzo(a)anthracene (at 1500 ppb), benzo(a)pyrene (at 11,000 ppb), benzo(a)fluoranthene (at 9,300 ppb), Benzo(k)fluoranthene (at 12,000 ppb), chrysene (at 3,400 ppb) and dibenzo(k)anthracene (at 11,000 ppb). These SVOCs were all PAH compounds and their concentrations and

distributions indicate that they are associated with historic fill material observed in shallow samples. Five pesticides including 4,4,4-DDD (max. of 53 ppb), 4,4,4-DDE (max. of 37 ppb), 4,4,4-DDT (max. of 180 ppb), chlordane (max. of 450 ppb) and dieldrin (max. of 75 ppb) were detected above Unrestricted Use SCOs. None of these concentrations exceeded Restricted Residential SCOs. Total PCBs were identified in concentrations exceeding their UUSCOs. Eight metals including barium, cadmium, chromium, copper, mercury, lead, nickel and zinc exceeded Unrestricted Use SCOs in the soil samples, and of these metals, barium (max of 1,730 ppm), mercury (max of 1.05 ppm), and lead (max of 2,880 ppm) also exceeded their respective Restricted Residential SCOs.

6. Bedrock was found at approximately 6 feet below grade at the site, and groundwater was not encountered during the RI investigation. Groundwater samples were not collected.

7. Soil vapor samples collected during the RI indicated low-level VOCs in all samples. For contaminants where NYSDOH screening values are available, no exceedances were identified. PCE and TCE were detected at trace levels.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Adi Altmark of Markland 745, LLC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 0.15-acre site located at 745-751 East 133rd Street in the Port Morris section of Bronx, New York. A residential use is proposed for the property. The RI work was performed on January 15, 2013. 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 745-751 East 133rd in the Port Morris section in Bronx, New York and is identified as Block 2562 and Lots 65, 66, 67, 68 on the New York City Tax Map. Figure 1 shows the Site Location Map. The Site is 6,700-square feet and is bounded by 134th Street to the

north, 133rd Street to the south, Willow Avenue to the east, and Cypress Avenue to the west. Currently, the Site is vacant. Refer to Figure 2, Site Map, for further details pertaining to the Site.

1.2 Proposed Redevelopment Plan

As a result of the proposed redevelopment plan, the vacant, undeveloped project site will be converted into a residential use that will consist of four, four-story residential buildings with penthouses. A total of 16 units are proposed, which will include a mixture of one, three and four (penthouse) bedroom units. The first floor of each building will be occupied by the first floor of a three bedroom unit as well as associated residential uses including lobby, parking and mechanical space. Living spaces on the first floor make up approximately half of the building footprint. The remaining three floors and penthouse floors will include residential living space only.

All buildings will be constructed at grade at a maximum building height of 50 feet. The total gross building square footage proposed is approximately 21,645 square feet, which will include 17,316 square feet of residential space. The proposed buildings will cover approximately two-thirds of the total lot area and the remaining rear lot will be utilized as open space. The back of the lots will be used for open space, however, landscape design for this rear lot is ongoing. The layout of the proposed site development is presented in Appendix C of this document.

The current zoning designation of the Site is M1-2/R-6, which is a paired district where a manufacturing district is matched with a residential district to allow a mixture of uses (residential and non-residential) within the same zoning district, block or building. Lots 65, 66, 67, 68 have been designated with Hazardous Materials and Noise Attenuation "E"-designation as part of the March 9, 2005 Port Morris/ Bruckner Boulevard Rezoning (CEQR # 05 DCP 005X).. The proposed use is consistent with existing zoning for the property.

The vacant site is currently covered with a four foot concrete slab. Bedrock is located approximately six feet below grade. The estimated maximum excavation depth of the proposed project would be six feet. The applicant is proposing at least a four foot excavation depth for frost protection. Excavation will be conducted for utilities and footings. Groundwater was not encountered during the RI and is not expected to be encountered during construction.

1.3 Description of Surrounding Property

The Site is located in the southwest portion of the Bronx within the Port Morris section of the borough. Port Morris is a mixed use district, which includes residential, commercial and manufacturing zoning designations. The Site and block are part of a greater rezoning approved by the New York Department of City Planning (DCP) in March of 2005, where Port Morris' mixed-use district was extended to eleven surrounding blocks. The rezoned area "is generally bounded by Park Avenue to the west, Willow Avenue to the east, East 134th Street to the north and the Harlem River/Harlem River Yards to the south. This mixed use district will continue to allow light manufacturing, industrial, and commercial uses but would also allow for the development of residential uses and community facilities, ultimately helping to transform Port Morris into a true gateway into the Bronx."[1]

The Site is located along 133rd Street (address: 745-751 133rd Street) in the center of the block bounded by 134th Street to the north, 133rd Street to the south, Willow Avenue to the east, and Cypress Avenue to the to the west. This block is southeast of the Major Deegan and Bruckner Expressways. To the north of the site is manufacturing/industrial uses and immediately east and west of the project site are multifamily residential uses. To the South of the site, south of East 133rd Street, are industrial/manufacturing and transportation/utility uses. The site and block are currently zoned M 1-2/R-6. The west end of the block consists of mainly residential uses with a few commercial and industrial uses peppered within whereas the majority of the eastern portion of the block contains industrial uses with a few scattered multifamily residential building. Figure 3 shows the site and its surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

According to the Phase I report prepared by Omega Environmental Services, Inc., the project site was utilized as a remote storage area for a marble cutting and storage facility (Marble Works) since 1935. The presently vacant lot also consisted of residential development prior to 1977, as noted in the above mentioned Phase I report.

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[1] Source: "Port Morris/Bruckner Boulevard Rezoning." New York City Department of City Planning. 2013. Web. 19 February 2013. <nyc.gov/html/dcp/html/portmorris/index.shtml>

2.2 Previous Investigations

The following environmental work plans and reports were developed for the Site:

- *Phase I Environmental Site Assessment*, June 2011, prepared by Omega Environmental Services, Inc.
- *Underground Storage Tank Investigation,* February 2013, prepared by Utility Detection, Inc.

Digital (PDF) copies of the above referenced environmental work plans and reports are included as Appendix A, Other Site Investigations.

2.3 Site Inspection

The Phase I report was prepared in June 2011 by Omega Environmental Services, Inc. for Frank Mizerik of Miller Druck Specialty Contracting. Inc. Below is a brief summary of the Phase I findings:

1. The site was not identified on any of the databases searched.

2. Regulatory issues were reviewed within the ASTM radii (up to one-mile) of the subject Property (Site). Twenty-three (23) NY Spills sites, twelve (12) SWF sites, thirty-three (33) LTANKS sites, and 2 DRYCLEANERS, as well several other sites were identified within one mile of the property. Many of the listed sites are related to oil in the nearby manholes.

3. No unusual surface conditions (such as would indicate settling) were observed during the site investigation. The property and surrounding area are generally level with a slight slope to the south.

4. According to the US EPA, the Radon Zone for the Bronx is Zone 3 - low potential for radon levels above the 4 picoCurie/liter standard.

5. There were no visual signs of significant staining or spills around the exterior of the site. The entire site is covered with concrete slabs.

6. It is the opinion of Omega Environmental Services that the environmental risk associated with the subject property is moderate, as is typical for the surrounding area.

7. Based on the industrial history of the surrounding area, general shallow contamination of soils and shallow groundwater is likely (off-site sources).

8. Lots 65, 66, 67, and 68 consisted of residential development prior to 1977.

The ground penetrating radar (GPR) investigation conducted by Utility Detection, Inc. in February 2013 indicated that there is no evidence of the existence of any underground storage tanks within the accessible areas on the property. Refer to Appendix 1 for the survey results.

A site investigation was conducted on January 15, 2013 by Mr. Scott Taylor, a Qualified Environmental Professional (QEP), of Taylord Environment, Inc.

2.4 Areas of Concern

No specific areas of concern were identified on the Site during the Phase I and Ground Penetrating Radar Investigations. The Phase I Report prepared by Omega Environmental Services, Inc. indicated that the environmental risk associated with the subject property is moderate, as is typical for the surrounding area and based on the industrial history of the surrounding area, general shallow contamination of soils and shallow groundwater is likely (off-site sources).

The AOCs identified for this site include:

1. Historic Urban Fill found from below the concrete to a depth of approximately four feet below grade. The Historic Urban fill contained concentrations of Semi-Volatile Organic Compounds (SVOCs) and Metals that exceeded RRSCOs and concentrations of Pesticides and total PCBs that exceeded their UUSCOs.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Mr. Scott Taylor of Taylord Environment, Inc.

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. Please refer to the Health and Safety Plan (HASP) in Appendix 2 of the Phase II Work Plan which is located in Appendix B of this document.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Taylord Environment, Inc. performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed six soil borings across the entire project Site, and collected eight soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. During site investigation and preparation to install groundwater monitoring wells, it was discovered that depth to bedrock across the Site is approximately six feet. Groundwater was not encountered during the RI conducted on January 15, 2013. As a result, groundwater monitoring wells were not installed at the Site.
4. Installed three soil vapor probes around Site perimeter and collected three samples for chemical analysis.

4.1 Geophysical Investigation

A geophysical survey was performed across the entire Site using ground penetrating radar (GPR) prior to installation of investigative borings. The survey was conducted by Utility Detection, Inc. on February 17, 2013. The results of the survey revealed that there are no USTs within the accessible areas on the property. Refer to Appendix A for the survey results.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

Taylord Environment, Inc. was contracted by Markland 745, LLC to perform a Phase II Environmental Site Assessment at the project site. In order to evaluate the soil of the project site, six soil borings were advanced on the approximately 6,700 square foot property and on January 15, 2013, Taylord Environment, Inc. collected grab soil samples from the advanced borings.

Todd Syska, Inc. was subcontracted by Taylord Environment, Inc. to complete the six soil

borings on the project site. A track mounted, two inch, hydraulic press, GeoProbe™, drill rig was utilized by Todd Syska, Inc. to advance the soil borings on January 15, 2013. Monitoring wells were not installed on the project site. All soil borings were met with refusal from three to six feet below grade. Site work was in compliance with safety guidelines outlined in the HASP. Soil descriptions were recorded in a field log.

An environmental scientist from Taylord Environment was present during the drilling activities to collect and screen soil samples for volatile organic compounds (VOCs) and to document the visual and textural characteristics of the underlying soil located on the project site. Soil samples were collected in two -foot intervals.

Representative soil samples from each boring were screened for volatile organics using a Mini Rae 2000, photoionization detector (PID). The PID is used to detect VOCs in the headspace of a soil sample in parts per million (ppm). The samples were placed into ziplock-style baggies. The baggies were then sealed and agitated, and allowed to settle prior to field screening. The tip of the PID was then inserted in the bag through a small opening and the VOC concentration was recorded. PID results indicated non-detectable levels of volatile organics in all six soil borings.

Based on observations made during the advancement of the borings on site, the soil consisted of mainly of brown, medium, sandy loam mixed with historical fill (brick, concrete, ash, rock). Two soil samples were collected from Soil Boring-1 (SB-1) and Soil boring-2 (SB-2), one sample was collected at the 0-2 foot interval and the deeper sample was collected at the 3-6 foot interval. Samples from the remaining soil borings were collected at the 0-2 foot interval. Eight grab samples were collected from the project site on January 15, 2013 and were placed into a laboratory cleaned jar, labeled, placed on ice and shipped to Phoenix Environmental Laboratories, Inc.in Manchester, Connecticut[2].

Soil samples were analyzed by a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory for the presence of Full List volatile organic compounds (VOCs) by Method 8260, semi-volatile organic compounds (SVOCs) by Method 8270, Pesticides/PCBs by Method 8081/8082, and Target Analyte List (TAL) Metals by Method 6010.

[2] Phoenix Laboratories, Inc., 567 East Middle Turnpike, P.O. Box 370, Manchester, Conn. 06040.

Boring logs were prepared by Taylord Environment, Inc. and are attached in Appendix D. Refer to Figure 2 for a map showing the locations of the advanced soil borings.

Groundwater Monitoring Well Construction

During site investigation and preparation to install groundwater monitoring wells, it was discovered that depth to bedrock across the Site is approximately six feet. Groundwater was not encountered during the RI conducted on January 15, 2013. As a result, groundwater monitoring wells were not installed at the Site.

Survey

The rationale for the soil boring and soil vapor locations were as follows:

- Two (2) soil borings were completed in the proposed landscape/recreational area of the development site on the northern area of the lot. The soil samples were collected from the shallow two foot interval 0-2 ftbg.
- Two (2) soil borings were completed in the proposed lobby and parking areas of the building on the southern area of the lot. The soil samples were collected from the shallow two foot interval 0-2 ftbg.
- Two (2) soil borings were completed in the footprint of the proposed inhabited residential space. The first of two soil samples were collected from the shallow two foot interval 0-2 ftbg. The second sample was collected from the 3-6 foot interval.

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. Media including soil 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

QA/QC procedures were used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for this investigation. Field QA/QC procedures were used (1) to document that samples are representative of actual conditions at the Site and (2) identify possible cross-contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses were used to demonstrate whether analytical results have been biased either by interfering compounds in the sample matrix, or by laboratory techniques that may have introduced systematic or random errors to the analytical process. A summary of the field and laboratory QA/QC procedures is provided below.

Field QA/QC included the following procedures:

- Calibration of field equipment, including PID, on a daily basis;
- Analysis of trip blank (VOCs only) and duplicate samples;
- Use of dedicated and/or disposable field sampling equipment;
- Proper sample handling and preservation;
- Proper sample chain of custody documentation; and
- Completion of report logs.

The above procedures were executed as follows:

- Two duplicate sample (one soil and one soil gas sample) were collected on January 15, 2013 to evaluate field sampling precision or reproducibility of measurements of the same parameter under the given set of conditions;
- Disposable sampling equipment, including acetate sleeves, latex gloves, and disposable bailers (or sample tubing), were used to minimize cross-contamination between samples;
- For each of the parameters analyzed, a sufficient sample volume was be collected to adhere to the specific analytical protocol, and provide sufficient sample for reanalysis if necessary;
- Because plasticizers and other organic compounds inherent in plastic containers may contaminate samples requiring organic analysis, samples were collected in glass containers, with the exception of the nitrate-preserved groundwater sample for metals analysis;
- Appropriate sample preservation techniques, including cold temperature storage at 4º C, was utilized to ensure that the analytical parameters concentrations do not change

between the time of sample collection and analysis; and

- Samples were analyzed prior to the expiration of the respective holding time for each analytical parameter to ensure the integrity of the analytical results.

Sample Custody

Sample handling in the field was conformed to appropriate sample custody procedures. Field custody procedures included the proper sample identification, chain-of-custody forms, and packaging and shipping procedures. Sample labels were attached to all sampling bottles before field activities begin to ensure proper sample identification. Each label identified the site and sample location. Bubble wrap was used to absorb shock and prevent breakage of sample containers. Ice and ice packs were placed in between the plastic bags for sample preservation purposes.

After each sample was collected and appropriately identified, the following information was entered into the chain-of-custody form:

- Site name and address;
- Sampler(s)' name(s) and signature(s);
- Names and signatures of persons involved in the chain of possession of samples;
- Sample number;
- Number of containers;
- Sample location;
- Date and time of collection;
- Type of sample, sample matrix and analyses requested;
- Preservation used (if any); and
- Any pertinent field data collected (pH, temperature, conductivity, Dissolved Oxygen [DO]).

The sampler, Taylord Environment, Inc., signed and dated the "Relinquished" blank space prior to removing one copy of the custody form and sealing the remaining copies of the form in a Ziploc plastic bag taped to the underside of the sample cooler lid. The sample cooler was sealed with tape prior to delivery or shipment to the laboratory

Eight 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 1A, 1B, 1C, and 1D. Figure 2 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

Groundwater Sampling

During site investigation and preparation to install groundwater monitoring wells, it was discovered that depth to bedrock across the Site is approximately six feet. Groundwater was not encountered during the RI conducted on January 15, 2013. As a result, groundwater monitoring wells were not installed at the Site.

Soil Vapor Sampling

Three soil vapor probes were installed and three soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 2. Soil vapor sample collection data is reported in Table 2A. Soil vapor sampling logs are included in Appendix D. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

The vapor collection points were installed with a Geoprobe. Soil-gas points SG-1 through SG-3 were installed throughout the Site with screened intervals of approximately 5'5" ftbg. The soil borings were sealed at the surface with bentonite slurry to prevent surface air infiltration. Soil gas (vapor) samples were collected on January 15, 2013 to evaluate the presence of VOCs in the soil using laboratory provided Summa® canisters. The laboratory clean Summa® canisters were equipped with a laboratory-calibrated flow control device to ensure a two hour collection duration. Following the sampling, the Summa® canister pressure was noted and the vapor point was backfilled with bentonite chips.

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 Mr. Scott Taylor of Taylord Environment, Inc.
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was Phoenix Laboratories, Inc.
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods do not apply to this RIR; Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil are summarized in Tables 1A, 1B, 1C, and 1D and soil vapor data is summarized in Table 2A. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix E.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Soil constituents, color, structure, texture, horizontal thicknesses, and depth to bedrock are summarized in the soil boring logs, Appendix D. Soils from below the concrete slabs, found throughout the site to four feet below grade, consisted of Historic Urban Fill with brown sand loam, underlain by brown medium sand loam. Bedrock was encountered throughout the site at approximately 6 feet below grade. PID readings collected during the investigation all indicated non-detectable levels of VOCs.

The historic fill encountered onsite consisted of brick, rock, concrete and ash.

Hydrogeology

Groundwater was not encountered during the RI conducted on January 15, 2013. An estimated regional groundwater depth and direction of groundwater flow is not known at this time.

5.2 Soil Chemistry

Soil analytical results were compared to the NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs) as defined in 6NYCRR Part 375, Table 375-6.8(a), December 2006. The laboratory analytical results for soils are presented in Tables 1A, 1B, 1C, and 1D. The tables present the sample identification number, sample depth, analytical result, and any applicable data qualifier for the compounds detected in the sample. Concentrations reported in the tables are for those contaminants detected at concentrations above the laboratory reporting limit. Where concentrations identified were below the respective laboratory reporting limits, ND is indicated in the tables. Analytical results that exceed the SCOs are bold and underlined. Soil sample locations are illustrated on Figure 2.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site.

Soil/fill samples collected during the RI did not indicate any VOC concentrations that exceeded Unrestricted Use Soil Cleanup Objectives (UUSCOs), with the exception of methylene chloride identified in one soil boring. Two soil borings indicated SVOCs at concentrations exceeding the Restricted Residential Soil Cleanup Objectives (RRSCOs) in the shallow soil layer. Metals were identified at the site in exceedances of their RRSCOs (Barium, Lead and Mercury). Pesticides and total PCBs were identified in concentrations exceeding their UUSCOs.

The SVOCs detected above SCOs were primarily comprised of polycyclic aromatic hydrocarbons (PAHs) including benzo(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene, benzo(k)flouranthene, chrysene and indo(1, 2, 3-cd)pyrene. These PAHs detected at concentrations that exceed the SCOs are assumed to be a result of the urban fill deposits located at that portion of the Site. Refer to Figure 2 for the location of the advanced soil boring.

Metals were detected in all of the soil boring samples analyzed. Samples collected from the following soil borings: SB-1 (0-2 feet), SB-2 (0-2 feet), SB-4 (0-2 feet), SB-5 (0-2 feet) and SB-6 (0-2 feet) exceeded the 6 NYCRR Part 375 RRSCOs for both barium and lead. Mercury was detected in SB-1 (0-2 feet) at a concentration above the RRSCOs. As noted, Metals were detected in SB-1 (3-6 feet), SB-2 (3-6 feet) and SB-3 (0-2 feet) but were below the RRSCOs. Elevated metals concentrations are likely attributable to historic fill material and historical site use for manufacturing. The analytical data is summarized in Table 1C and the analytical data report is provided in Appendix E.

Pesticides were found in samples collected from SB-1 (0-2feet), SB-2 (0-2 feet), SB-4 (0-2 feet), SB-5 (0-2 feet) and SB-6 (0-2 feet). The detectable concentrations were below the RRSCOs. All other samples indicated sample concentrations below the laboratory reporting limits.

Total PCBs were detected in samples collected from SB-1 (0-2feet) and SB-6 (0-2 feet) in exceedances of UUSCOs. All other samples indicated sample concentrations below the laboratory reporting limits. The analytical data is summarized in Table 1D and the analytical data report is provided in Appendix E.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site.

In addition, Tables 1A, 1B, 1C and 1D presents soil samples with concentrations of regulated compounds at the Site above NYSDEC Unrestricted Use SCOs as defined in 6NYCRR Part 375-6.8(a), December 4, 2006. The comparison to the Unrestricted Use SCOs is presented for information purposes only, and do not report site-specific SCOs for the Site.

5.3 Groundwater Chemistry

No groundwater samples were collected during the remedial investigation at the subject site. Bedrock was encountered across the site at approximately 6 ftbg.

5.4 Soil Vapor Chemistry

The laboratory analytical results of the soil-gas sampling were compared to the USEPA Generic Screening Values for Shallow Soil-Gas as presented in the Office of Solid Waste and Emergency Response (OSWER) *Draft Guidance for Evaluating Vapor Intrusion*, dated November 2002, and the New York State Department of Health (NYSDOH) Mean Background and Indoor Air Quality Guidance Levels (where available) as presented in the NYDOH *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, dated October 2006. Soil gas laboratory analytical results are summarized in Table 2A. Figure 2 shows the location of soil gas samples. Results of soil gas (vapor) sample analysis indicated the presence of VOCs in soil vapor in all samples at concentrations below NYSDOH screening values.

Soil vapor samples collected during the RI indicated low-level VOCs in all samples. For contaminants where NYSDOH screening values are available, no exceedances were identified.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. As noted, a summary table of data for chemical analyses performed on soil vapor samples is included in Table 2A and Figure 2 shows the locations of the soil vapor samples collected.

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.

TABLES

TABLE 1A

VOC Soil Analysis vs. NYSDEC Guidance Values

Sampling Performed: January 15, 2013

Site: **Markland 745, LLC**
745-751 133rd Street
Bronx, NewYork

OER ProjectNumber13EH-N194X

Sample collected by; Taylord Environment, Inc.

Compound	RRSCO	UUSCO	SB-1	SB-1	SB-2	SB-2	SB-3	SB-4	SB-5	SB-6	QA/QC	
SamplingDepth(ft.)			0-2'	3-6'	0-2'	3-6'	0-2'	0-2'	0-2'	0-2'		
1,1,1-Trichloroethane	100000	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	26000	270	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethene	100000	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	52000	3600	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dibromoethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	100000	1100	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	3100	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorotetrafluoroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	52000	8400	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-Butadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	49000	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	13000	1800	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dioxane	13000	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Butanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Hexanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Methyl-2-pentanone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acetone	100000	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzene	4800	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzylchloride	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromoform	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromomethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
CarbonDisulfide	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
CarbonTetrachloride	2400	760	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chlorobenzene	100000	1100	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroform	49000	370	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	100000	250	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,3-Dichloropropylene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cyclohexane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibromochloromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dichlorodifluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylacetate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
EthylBenzene	41000	1000	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Isopropanol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MTBE	100000	930	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylenechloride	100000	50	**1500**	ND	ND	ND	ND	ND	ND	ND	ND	
n-Heptane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
o-Xylene	100000	260	ND	ND	ND	ND	ND	ND	ND	ND	ND	
p-&m- Xylenes	100000	260	ND	ND	ND	ND	ND	ND	ND	ND	ND	
p-Ethyltoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Propylene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Styrene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	19000	1300	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrahydrofuran	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Toluene	100000	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,2-Dichloroethene	100000	190	ND	ND	ND	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropylene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	21000	470	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichlorofluoromethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinylacetate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
VinylChloride	900	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Notes:1. All measurements recorded in parts per billion or ppb.

2. Samples analyzed in accordance with EPA Test Method 8260.
3. ND=Undetected (Detection limits may vary). NS=Notspecified.
4. J=Detected below reporting limit but greater than or equal to MDL;therefore, the result is an estimated concentration. B=Analyte is found in the assoicated analysis batch blank.
5. The presented guidance values were adopted from GuidanceValue$_1$ or restricted residential soil cleanup objectives as defined in Part375-6.8(b)and.
GuidanceValue$_2$,unrestrictive soil clean up objectives as defined in Part375-6.8(a). Sample concentration exceedances as described in Guidance Value$_1$ or restricted residential soil cleanup objectives are printed in **bold and underline**
Sample concentration exceedances as described in Guidance Value$_2$ or unrestrictive soil cleanup objectives are printed in **bold and highlighted in yellow**.

TABLE 1B

SVOC Soil Analysis vs. NYSDEC Guidance Values

Sampling Performed: January 15, 2013

Site:

Markland 745, LLC
745-751 East 133 rd Street
Bronx, New York

OER Project Number13EH-N194X
Sample Collected by: Taylord Environment, Inc.

Compound	RRSCO	UUSCO	SB-1	SB-1	SB-2	SB-2	SB-3	SB-4	SB-5	SB-6	QA/QC	
Sampling Depth(ft.)			0-2'	3-6'	0-2'	3-6'	0-2'	0-2'	0-2'	0-2'		
1,2,4-Trichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,3-Dichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dichlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4,5-Trichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4,6-Trichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-Dichlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-Dimethylphenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-Diniyrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,4-Dinitrotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2,6-Dinitrotoluene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Chloronaphthalene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Chlorophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Methylnaphthalene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Nitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3- &4-Methylphenols	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3,3'-Dichlorobenzidine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
3-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4,6-Dinitro-2-methylphenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Bromophenyl phenyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Chloro-3-methylphenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Chloroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Chlorophenyl phenyl ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Nitroaniline	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
4-Nitrophenol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthene	100,000	20,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ancenaphthylene	100,000	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Anthracene	100,000	10,000	2100	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)anthracene	1,000	1,000	**11000**	ND	ND	ND	ND	640	410	ND	ND	
Benzo(a)pyrene	1,000	1,000	**9300**	ND	ND	ND	ND	630	480	ND	ND	
Benzo(b)fluoranthene	1,000	1,000	**12000**	ND	ND	ND	ND	860	700	ND	ND	
Benzo(g,h,i)perylene	100,000	100,000	4200	ND	ND	ND	ND	460	340	ND	ND	
Benzo(k)fluoranthene SSS S	3,900	800	3400	ND	ND	ND	ND	300	ND	ND	ND	
Benzoic acid	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzyl alcohol	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzyl butyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	430	9900	ND	
Bis(2-chloroethoxy)methane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bis(2-chloroethyl)ether	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bis(2-ethylhexyl)phthalate	NS	NS	ND	ND	ND	ND	ND	ND	3200	210000	ND	
Chrysene	3,900	1,000	**11000**	ND	ND	ND	ND	ND	510	ND	ND	
Dibenz(a,h)anthracene	330	330	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibenzofuran	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Diethyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dimethyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Di-n-butyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Di-n-octyl phthalate	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	100,000	100,000	13000	ND	ND	ND	ND	ND	630	ND	ND	
Fluorene	100,000	30,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachlorobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachlorobutadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachlorocyclopentadiene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Hexachloroethane	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	500	500	**4000**	ND	ND	ND	ND	ND	270	ND	ND	
Isophorone	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Naphthalene	100,000	12,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Nitrobenzene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
N-nitroso-di-n-propylamine	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pentachlorophenol	6,700	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Phenanthrene	100,000	100,000	11000	ND	ND	ND	ND	ND	ND	ND	ND	
Phenol	100,000	330	ND	ND	ND	ND	ND	ND	**340**	ND	ND	
Pyrene	100,000	100,000	11000	ND	ND	ND	ND	ND	560	ND	ND	

Notes:

1. All measurements recorded inparts per billion or ppb. SSS S
2. Samples analyzed inaccordance withEPA Test Method 8270 B/N.
3. ND = Undetected (Detectionlimits mayvary). NS = Not specified.
4. J = Detected below reportinglimit but greater than or equal to MDL; therefore, the result is anestimated concentration. B = Analyte is found inthe assoicated analysis batchblank.
5. Sample concentrationexceedances as described inGuidance Value$_1$ or restricted residential soil cleanup objectives are printed in **bold** and underlined.
   Sample concentrationexceedances as described inGuidance Value$_2$ or unrestrictive soil cleanup objectives are printed **in bold and highlighted in yellow**.

TABLE 2A:

SUMMARY OF TO-15 VOLATILES IN AIR SAMPLES

Site: Markland 745, LLC
Address: East 133rd Street Bronx, New York
OER Project Number: 13EH-N194X

Samples Collected by: Taylord Environment, Inc.

Sample ID:	NYSDOH Trigger Concentration	USEPA TARGET SHALLOWGAS CONCENTRATIONS(1)	Soil Gas SG-1	Soil Gas SG-2	Soil Gas SG-3
Location:					
Depth (ft.):			5'5"	5"5"	5'5"
Date:			1/15/2013	1/15/2013	1/15/2013
Lab Sample ID:			20279	20280	20281
Units:	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³
Analysis: EPA Method TO-15 Volatiles in Air					
1,1,1-Trichloroethane	100	22000	ND	ND	ND
1,1,2,2-Tetrachloroethane		42	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane		NS	ND	ND	ND
1,1,2-Trichloroethane		150	ND	ND	ND
1,1-Dichloroethane		5000	ND	ND	ND
1,1-Dichloroethylene		NS	ND	ND	ND
1,2,4-Trichlorobenzene		2000	ND	ND	ND
1,2,4-Trimethylbenzene		60	ND	ND	1.38
1,2-Dibromoethane		2	ND	ND	ND
1,2-Dichlorobenzene		2000	ND	ND	ND
1,2-Dichloroethane		94	ND	ND	ND
1,2-Dichloropropane		40	ND	ND	ND
1,2-Dichlorotetrafluoroethane		NS	ND	ND	ND
1,3,5-Trimethylbenzene		60	ND	ND	ND
1,3-Butadiene		8.7	ND	ND	ND
1,3-Dichlorobenzene		1100	ND	ND	ND
1,4-Dichlorobenzene		8000	ND	ND	ND
1,4-Dioxane		NS	ND	ND	ND
2-Butanone		10000	5.04	1.53	9.55
2-Hexanone		NS	ND	ND	ND
4-Methyl-2-pentanone		800	ND	ND	ND
Acetone		3500	30.1	14.9	824
Benzene		310	2.49	1.88	3.74
Benzyl chloride		50	ND	ND	ND
Bromodichloromethane		140	ND	ND	ND
Bromoform		2200	ND	ND	ND
Bromomethane		NS	ND	ND	ND
Carbon Disulfide		7000	6.22	ND	3.24
Carbon Tetrachloride	5	160	0.314	ND	0.314
Chlorobenzene		600	ND	ND	ND
Chloroethane		10000	ND	ND	ND
Chloroform		110	ND	8.05	ND
Chloromethane		NS	ND	ND	ND
cis-1,2-Dichloroethylene		350	ND	ND	ND
cis-1,3-Dichloropropylene		200	ND	ND	ND
Cyclohexane		NS	ND	ND	ND
Dibromochloromethane		100	ND	ND	ND
Dichlorodifluoromethane		2000	2.42	3.26	2.37
Ethyl acetate		32000	ND	ND	19.3
Ethyl Benzene		2200	ND	ND	5.16
Hexachlorobutadiene		110	ND	ND	ND
Isopropanol		NS	ND	7.93	32.4
MTBE		30000	ND	ND	ND
Methylene chloride		5200	2.26	1.04	1.04
n-Heptane		NS	5.61	ND	1.72
n-Hexane		2000	2.89	1.02	2.29
o-Xylene		70000	ND	ND	5.25
p-&m- Xylenes		70000	2.0	1.26	16.2
p-Ethyltoluene		NS	ND	ND	ND
Propylene		NS	39.6	9.74	4.99
Styrene		NS	ND	ND	ND
Tetrachloroethylene		810	2.24	2.30	1.08
Tetrahydrofuran		NS	ND	ND	ND
Toluene		4000	5.31	4.18	16.9
trans-1,2-Dichloroethylene		700	ND	ND	ND
trans-1,3-Dichloropropylene		200	ND	ND	ND
Trichloroethylene	100	220	ND	0.322	ND
Trichlorofluoromethane		7000	1.24	1.29	1.18
Vinyl acetate		200	ND	ND	ND
Vinyl Chloride		280	ND	ND	ND

Notes:

1. USEPA OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance) November 2002: Table 2A Target Shallow Soil Gas Concentration - Corresponding to Target Indoor Air Concentration Where the Soil Gas to Indoor Air Attenuation Factor = 0.1.
2. Trigger Concentration = Soil vapor concentration that would warrant a monitor and/or mitigate response according to Matrix 1 or Matrix 2, NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (2006).
3. Those analytes which exeeded guidance are underlined and presented in bold type as such: **100**.
4. ND = Non-detect.
5. NS = No Standard.
6. QA/QC Sample was Non – Detect for all Concentrations.

TABLE 1C

TAL Metals Soil Analysis vs. NYSDEC Guidance Values

Sampling Performed: January 15 , 2013

Site: Markland 745, LLC, 745-751 East 133rd Street, Bronx, New York

OER Project Number 13EH-N194X

Samples Collected by: Taylord Environment, Inc.

Compound	RRSCO (mg/kg)	UUSCO (mg/kg)	SB-1	SB-2	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	QA/QC
Sampling Depth			0 - 2'	0-2'	3-6'	3-6'	0-2'	0-2'	0-2'	0-2'	
Aluminum	NS	NS	7490	6020	19800	20900	17700	13700	11700	1120	BRL
Arsenic	16	13	7.6	1.9	<0.7	<0.7	1.6	10.1	8.7	6.5	BRL
Barium	400	350	**1730**	**406**	**392**	292	154	**479**	**461**	**1090**	BRL
Beryllium	72	7.2	0.43	<0.30	<0.30	<0.30	0.47	0.50	0.56	0.44	BRL
Cadmium	4.3	2.5	2.0	0.75	0.39	0.41	0.47	**3.20**	1.74	2.35	BRL
Calcium	NS	NS	77500	156000	1230	2350	5400	21300	33500	7110	BRL
Chromium	110	30	**34.5**	15.6	**70.8**	**67.1**	**36.7**	29.4	**40.6**	**31.6**	BRL
Colbalt	NS	NS	7.37	3.29	9.84	15.6	16.7	10.8	10.1	9.17	BRL
Copper	270	50	**57.2**	30.6	28.3	42.1	44.5	**104**	**99.7**	20.5	0.49
Iron	NS	NS	9790	14800	22400	17500	12100	16100	14900	17100	BRL
Lead	400	63	**2880**	**591**	3.07	6.81	50.7	**976**	**755**	**2160**	BRL
Magnesium	NS	NS	34800	47500	10800	14500	10200	12500	12300	2680	BRL
Manganese	2000	1600	421	211	485	592	430	559	461	45.3	BRL
Nickel	310	30	14.5	8.49	23.6	**35.3**	**30.3**	23.9	25.8	40.8	BRL
Potassium	NS	NS	3270	2200	17400	18600	8840	5940	3760	478	BRL
Selenium	180	3.9	<1.8	<1.5	<1.5	<1.5	<1.6	<1.5	<1.5	<1.6	BRL
Silver	180	2	<0.44	<0.37	<0.37	<0.37	<0.40	0.74	<0.38	<0.41	BRL
Sodium	NS	NS	236	359	206	253	154	141	512	211	BRL
Thallium	NS	NS	<4.0	<3.4	<3.3	<3.4	<3.6	<3.3	<3.4	<3.7	BRL
Vanadium	NS	NS	34.5	25.4	76.2	89.5	46.6	61.6	52.1	47.9	BRL
Zinc	10000	109	**1040**	**354**	69.0	79.3	**122**	**1440**	**590**	**115**	BRL
Mercury	0.81	0.18	**1.05**	**0.46**	0.14:	**0.41**	<0.07	**0.37**	**0.30**	**0.25**	BRL

1. All measurements recorded in parts per millon or ppm.
2. Samples analyzed in accordance with EPA Test Method 7471.
3. ND = Undetected (Detection limits may vary). NS = Not specified. BRL = Below Reporting Level.
4. The presented guidance values were adopted from Guidance $Value_1$ or restricted residential soil cleanup objectives as defined in Part 375-6.8(b) and Guidance $Value_2$, unrestrictive soil cleanup objectives as defined in Part 375-6.8(a).
5. Sample concentration exceedances as described in Guidance $Value_1$ or restricted residential soil cleanup objectives are printed in **bold and underlined**. Sample concentration exceedances as described in Guidance $Value_2$ or unrestrictive soil cleanup objectives are printed in **bold and highlighted in yellow**.

TABLE 1D

Pesticides/PCBs Soil Analysis vs. NYSDEC Guidance Values

Sampling Performed: January 15, 2013

Site:
Markland 745, LLC
745-751 East 133rd Street
Bronx, New York

OER Project Number 13EH-N194X
Sampled Collected by: Taylord Environment, Inc.

Compound	RRSCO	UUSCO	SB-1	SB-1	SB-2	SB-2	SB-3	SB-4	SB-5	SB-6	QA/QC	
Depth of Sample (ft.)			0 - 2'	3-6'	0-2'	3-6'	0-2'	0-2'	0-2'	0-2'		
4,4'-DDD	13,000	3.3	**53**	ND	ND	ND	ND	ND	ND	ND	ND	
4-4'-DDE	8,900	3	**31**	ND	**33**	ND	ND	**3.4**	ND	**37**	ND	
4,4'-DDT	7,900	3.3	**180**	ND	**150**	ND	ND	**12**	75	**140**	ND	
Aldrin	97	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	
alpha-BHC	480	20	ND	ND	ND	ND	ND	Nde	ND	ND	ND	
Aroclor 1221	1,000	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Aroclor 1232	1,000	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Aroclor 1242	1,000	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Aroclor 1248	1,000	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Aroclor 1254	1,000	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Aroclor 1260	1,000	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	
beta-BHC	360	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chlordane, total	4,200	94	**450**	ND	**220**	ND	ND	ND	**290**	**180**	ND	
delta-BHC	100,000	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dieldrin	200	5	**42**	ND	**52**	ND	ND	**3.8**	**75**	**53**	ND	
Endosulfan I	24,000	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Endosulfan II	24,000	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Endosulfan sulfate	24,000	2,400	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Endirn	11,000	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Endrin aldehyde	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
gamma-BHC (Lindane)	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Heptachlor	2,100	42	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Heptachlor epoxide	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methoxychlor	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Total PCBs	1,000	100	**120**	ND	ND	ND	ND	ND	ND	**150**	ND	
Toxaphene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Notes:

1. All measurements recorded in parts per billion or ppb.
2. Samples analyzed in accordance with EPA Test Method 8081/8082.
3. ND = Undetected (Detection limits may vary). NS = Not specified.
4. Sample concentration exceedances as described in Guidance $Value_1$ or restricted residential soil cleanup objectives are printed in **bold** and underlne.
   Sample concentration exceedances as described in Guidance $Value_2$ or unrestrictive soil cleanup objectives are printed in **bold and highlighted in yellow**.

FIGURES

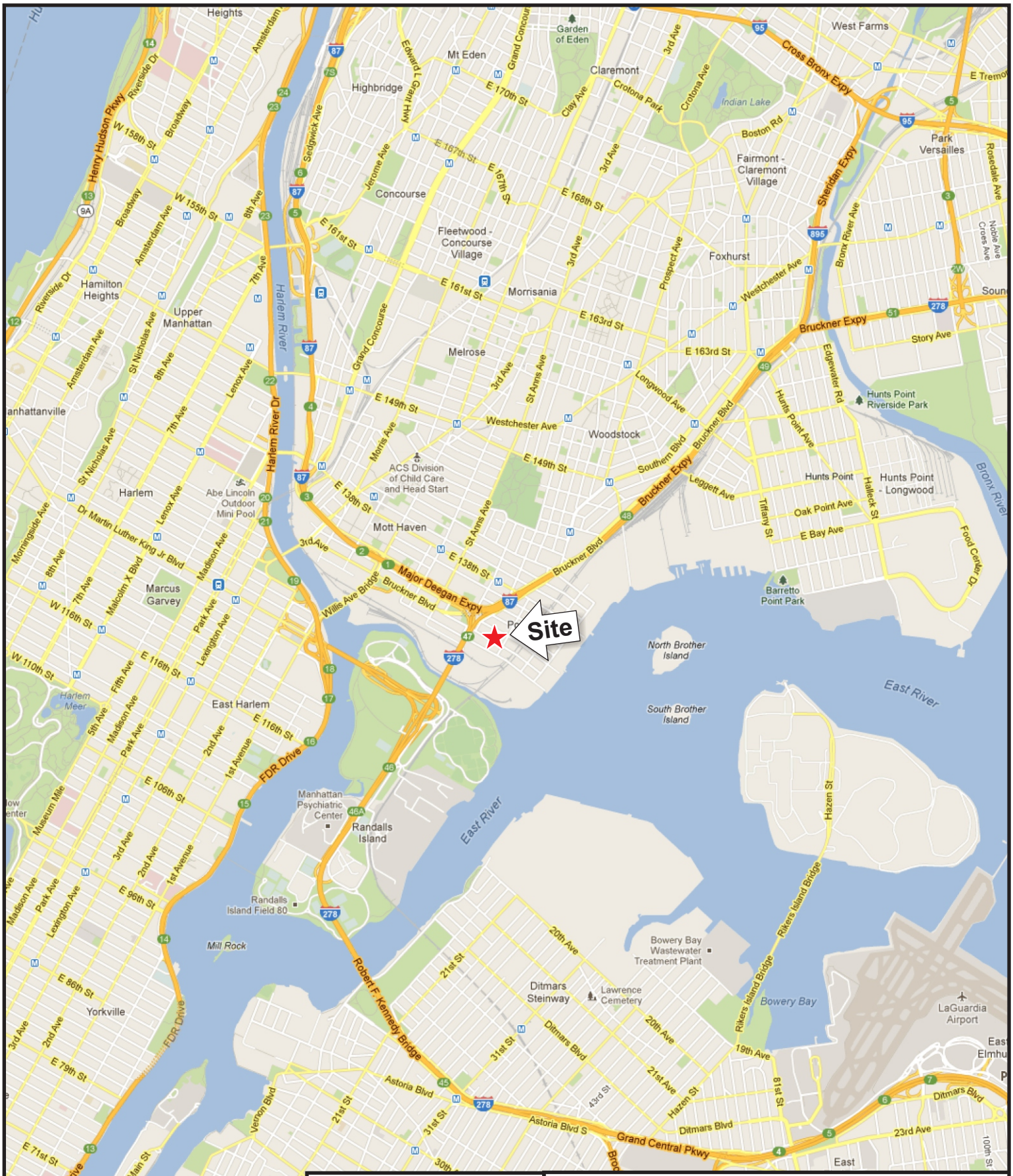
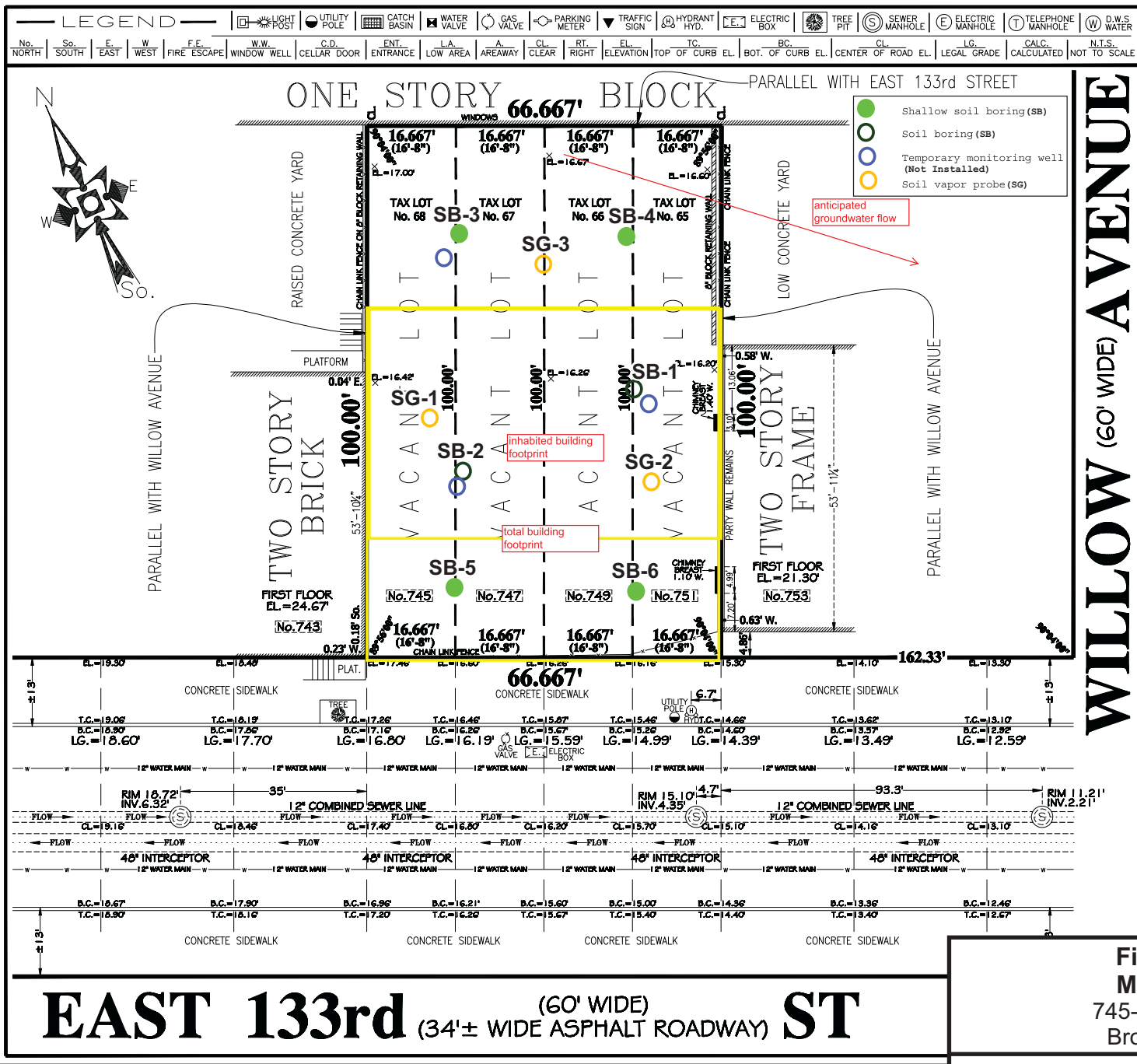


Figure 1: Site Location Map
Markland 745, LLC
745-751 East 133rd Street
Bronx, New York 10454

Source: Google Maps

Scale: Graphic | **Date:** 03/09/13

Taylord Environment, Inc.
24 Wing Avenue
Dover Plains, NY 12522-5304
(845) 877-3840



NOTE:

*** NOT FOR TITLE PURPOSES**

CAUTION: BEFORE PERFORMING ANY DIGGING OR DRILLING ON THIS SITE, IT IS REQUIRED THAT SUBSURFACE SERVICES, INCLUDING THE UNDERGROUND MAINS BE MARKED AND IDENTIFIED BY THE UTILITY INVOLVED IN COMPLIANCE WITH INDUSTRIAL CODE 53 OF NEW YORK STATE.

1) ALL ELEVATIONS REFER TO THE BRONX TOPOGRAPHICAL DATUM WHICH IS 2.608 FEET ABOVE NATIONAL GEODETIC SURVEY DATUM AT SANDY HOOK NEW JERSEY.
2) UNDERGROUND UTILITY INFORMATION SHOWN WAS OBTAINED FROM VARIOUS COMPANIES AND CITY AGENCIES AND IS NOT GUARANTEED FOR ACCURACY OR COMPLETENESS.
3) THIS IS TO CERTIFY THAT THERE ARE NO APPARENT STREAMS NOR NATURAL WATER COURSES IN THE PROPERTY AS SHOWN ON THIS SURVEY.

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

BLOCK 2562
LOT 65,66,67,68
SECTION 10
COUNTY THE BRONX
DWG BY VOY.

DATE	JOB No.	DESCRIPTION
09-13-2012	12523	ARCHITECTURAL SURVEY

Figure 2: Site Map
Markland 745, LLC
745-751 East 133rd Street
Bronx, New York 10454

Source: Apple Surveying

Scale: 1" = 28'

Date: 09/13/12

Taylord Environment, Inc.
24 Wing Avenue
Dover Plains, NY 12522-5304
(845) 877-3840

LAND USE LEGEND

- One & Two Family Residence
- Multi-Family Residence (Walkup)
- Multi-Family Residence (Elevator)
- Mixed Residential & Commercial
- Commercial Use
- Industrial / Manufacturing
- Transportation / Utility
- Public Facilities and Institutions
- Open Space & Recreation
- Parking
- Vacant Land

Figure 3: Land Use Map
Markland 745, LLC
745-751 East 133rd Street
Bronx, New York 10454

Source: NYC Planning ZoLa

Scale: 1" = 220' **Date:** 03/09/13

Taylord Environment, Inc.
24 Wing Avenue
Dover Plains, NY 12522-5304
(845) 877-3840

ZONING LEGEND

Special Mixed Use Districts:
M1-2/R6A

Manufacturing Districts:
M1-2
M2-1
M3-1

Special Mixed Use District

Zoning Map Amendment: Port Morris/Bruckner Blvd. Rezoning

Figure 4: Zoning Map
Markland 745, LLC
745-751 East 133rd Street
Bronx, New York 10454

Source: NYC Planning ZoLa

Scale: 1" = 220' **Date:** 03/09/13

Taylord Environment, Inc.
24 Wing Avenue
Dover Plains, NY 12522-5304
(845) 877-3840

Appendix A

OMEGA
ENVIRONMENTAL
SERVICES, INC.

[ASTM 1527-05]
PHASE I ENVIRONMENTAL SITE ASSESSMENT

PREPARED FOR

Frank Mizerik
Miller Druck Specialty Contracting. Inc.
264 West 40th Street
New York, NY 10018

FOR THE SITE LOCATED AT

765 East 133rd Street
Bronx, NY 10454
Block 2562, Lots 60, 56, 58, 50 and 49 (Primary site)
And
Block 2562, Lots 65, 66, 67 and 68 (Remote Material Storage Yard)

PREPARED BY

David Ekstrand

REVIEWED BY

Veronica Kero, P.E.

Site Inspection Conducted: June 20, 2011
Report Submitted: June 24, 2011
(Omega Project # 11-1202

280 Huyler Street
South Hackensack,
New Jersey 07606
Tel: (201) 489-8700
Fax: (201) 342-5412

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SUMMARY TABLE OF FINDINGS

Site: 765 East 133rd Street, Bronx, NY 10454

Item	Acceptable - No Further Action Recommended	Further Investigation Recommended
Soils/geology	X	
Potential on-site contamination		X - Conduct limited soil sampling of material on basement floor slab (see item 6 below). - Conduct soil sampling of remote storage yard due to "E-Designation" in City Zoning Code.
Potential nearby contamination		X – Contamination is suspected due to previous dry cleaning facility to the north and repeated events of oil in the local manholes.
Radon	X – Low potential for radon levels above the 4 picoCurie/liter standard	
Underground Storage Tanks (UST) and Aboveground Storage Tanks AST)		X – The out-of-service oil tank in the basement should be registered, removed and underlying materials inspected for possible contamination (see item 5 below).
Miscellaneous	X – None	

Non-ASTM scope of work items (assessment of potential Asbestos Containing Material (ACM) and potential Lead Based Paint (LBP)) have been specifically excluded from this report.

Ω *Omega Environmental Services, Inc. 280 Huyler Street • South Hackensack, NJ 07606 • Tel: (201) 489-8700 • Fax: (201) 342-5412*

1.0 EXECUTIVE SUMMARY

Omega Environmental Services was retained by Miller Druck Specialty Contracting, Inc., to perform a Phase I Environmental Site Assessment of the site located at 765 East 133rd Street, Bronx, NY 10454. Omega Environmental Services scope of work was limited to standard ASTM Environmental Site Assessment items.

The purpose of the Environmental Site Assessment was to identify any sources of environmental contamination by reviewing current regulatory information and by conducting a visual inspection of the subject property and surrounding vicinity.

The site consists of a 3-story manufacturing/office building, a one story shop, a contiguous outdoor storage yard and a remote storage yard located a few lots to the west. The site was initially developed to the present construction between 1908 and 1929. In 1891 the site was shown to be a Department of Health wagon yard. The site was utilized for marble cutting and storage since prior to 1935. The 3-story building was a piano string manufacturer (identified as the "office" building in this report).

The building is presently heated completely with gas. An UST exists in the basement of the "office" building. It has reportedly been out-of-service for over 20 years.

The surrounding area consists of residential, commercial, manufacturing and industrial development.

There are no known Superfund (NPL) sites within 1 mile of the site.

Based upon review of current documentation and regulatory information, and after performing a visual inspection of the site and surrounding area, Omega Environmental has reached the following conclusions:

1. The site was not identified on any of the databases searched.
2. Regulatory issues were reviewed within the ASTM radii (up to one-mile) of the subject property. Twenty-three (23) NY Spills sites, twelve (12) SWF sites, thirty-three (33) LTANKS sites, and 2 DRYCLEANERS, as well several other sites were identified within 1 mile of the property. Many of the listed sites are related to oil in the nearby manholes.
3. No unusual surface conditions (such as would indicate settling) were observed during the site investigation. The property and surrounding area are generally level with a slight slope to the south.
4. According to the Federal EPA, the Radon Zone for the Bronx is Zone 3 - low potential for radon levels above the 4 picoCurie/liter standard.
5. The building is presently heating with gas. An out-of-service UST is located in the basement of the "office" building. It has reportedly been inactive for 20 years. Although enclosed with concrete blocks, the tank should be registered, removed and underlying materials inspected for possible contamination. No visual indications or records were identified of any other previous ASTs or USTs.

6. There were no visual signs of significant staining or spills in the interior or around the exterior of the site. The basement has experienced significant flooding over the years and the slab is covered with a soil like materials that may have petroleum product related contamination. Although 55-gallon drums identified in the basement were reportedly only for metal parts storage, a few are unopened (but rusted through) and one is labeled "solvent".

It is the opinion of Omega Environmental Services that the environmental risk associated with the subject property is moderate, as is typical for the surrounding area.

Ω *Omega Environmental Services, Inc. 280 Huyler Street • South Hackensack, NJ 07606 • Tel: (201) 489-8700 • Fax: (201) 342-5412*

2.0 INTRODUCTION

2.1 Purpose:

The purpose of this Environmental Site Assessment was to identify obvious, actual and potential sources of contamination that, by their association with the site, could become an environmental liability or restrict the use of this property.

2.2 Detailed Scope of Work:

The objective of an Environmental Site Assessment is to ascertain whether there are, have been any environmental concerns with the property. The audit was conducted using visual inspection and records research.

2.3 Significant Assumptions:

It has been assumed that regulatory agency contacts and knowledgeable parties have provided true and accurate information to the best of their knowledge. The subject audit addresses only of those areas accessible during the on-site inspection.

2.4 Limitations and Exceptions:

It was not the purpose of this study to determine the presence, degree or extent of contamination, if any, but rather to address the potential for contamination. Field sampling and laboratory analysis was not performed under the scope of this study. Quantification of any suspect contamination would be addressed inconjunction with Phase II sampling work.

Omega cannot be held responsible for items (such as floor drains) that have been removed, covered, or otherwise obscured.

2.5 Special Terms and Conditions:

An Environmental Site Assessment is normally valid for a time period of up to 1 year or when site operations/usage change.

2.6 Reliance:

The subject document should be relied upon in terms of estimated risk of environmental liability only. None of its components should be utilized in lieu of title searching, structural inspections, or other items outside of the scope of work.

This report may only be used as a complete document; sections may not be removed, modified, or utilized in other reports (except as in-context quotes with reference to the entire report) without the inclusion of the complete report herein.

3.0 SITE DESCRIPTION

The site consists of a 3-story manufacturing/office building, a one story shop, a contiguous outdoor storage yard, and a remote storage yard a few lots to the west. The site was initially developed to the present construction between 1908 and 1929. In 1891 the site is shown to be a Department of Health wagon yard. The site has been utilized for marble cutting and storage since 1935. The 3-story building was a piano string manufacturer.

The site is bounded on all sides by commercial, residential, manufacturing, and industrial development.

3.1 Locations and Legal Descriptions:

The site is located in the Hellgate section of the Bronx, NY. The site is identified on the Tax Assessor's maps as Block 2562, Lots 60, 56, 58, 50 and 49. The remote storage yard is identified as Block 2562, Lots 65, 66, 67, and 68.

Other addresses that have been associated with parts of the site are as follows:

767 E. 133rd :"Office" building, Lot 56
763 E. 133rd : 1-story shop, Lot 58
761 E. 133rd : Driveway, Lot 60
750, 754, and 756 E. 134th : Main storage yard, Lot 49
745 through 751 E/ 133rd : Remote storage yard, Lots 65, 66, 67, and 68

3.2 Site and Vicinity Characteristics:

The site is located on the northwest corner of E. 133rd St. and Willow Ave. the site extends to the north to 134th St. The remote storage yard is located 85 feet to the west on 133rd St.

The site coordinates are 40°, 48'', 4.0" Latitude, -73°, 54", 50.0" Longitude. The site is located approximately 17 feet above sea level. The USGS 7.5 min. quad index map associated with the property is identified as 40073-G8 Central Park, NY 1995.

Based on Soil Conservation Service STATSGO data, primary soils within the area of the subject property consist of loamy sand and loamy sand. Deeper soils consist of unweathered bedrock and stratified gravelly loamy sand. The soil component identification is "URBAN LAND". This unit consists of areas that may have been cut or filled or areas in which more than 85% of the surface is covered by paved surfaces or buildings and other structures.

No unusual surface conditions that would indicate settling were noted.

No Federal FRDS Public Water Supply well, five Federal USGS wells, and no State Database wells were was identified up to 1 mile distant from the site. This is not intended to be a complete local well search, only a screening of database information.

The immediately surrounding area has historically consisted of residential, commercial, manufacturing, and industrial development.

The site and the area to the east are within a 100-year floodplain. No State Wetlands are located within 1 mile of the site.

3.3 Description of Structures and Utilities:

The main 206' x 100' site consists of three sections:

- A three story masonry and wood building with a full basement, constructed between 1908 and 1929 ("office"). The building is in moderate condition. A cable hoist elevator has been permanently blocked off and out-of-service.
- A one story block and wood marble workshop
- A marble storage yard. The exterior wall of the yard along Willow Avenue consists of remaining exterior walls of a previous building.

The remote storage yard is approximately 100' by 65 feet.

The building is presently heated only with gas and electricity supplied by the local utilities. Water, electric, and sewer connections are also supplied by local utilities. There are no indications of an on-site well (for water supply) or drywells (for water disposal).

A fuel oil UST is located in the basement of the office building. It is estimated as 2,000 to 3,000 gallons and has reportedly been out of service for 20 years. The tank is enclosed with blocks and not accessible for visual inspection.

3.4 Current and Previous Uses of Property:

Since prior to 1935, the workshop and yard have only been utilized by a Marble Works company. The office building was occupied by a piano string manufacturer. The remote storage yard consisted of residential development prior to 1977.

Records indicate that in 1908 the main site was a wagon storage yard operated by the Department of Health.

3.5 Current and Previous Uses of Adjoining Properties:

Adjacent properties have historically consisted of commercial, residential, manufacturing and industrial development.

From 1968 to at least 2007, the property directly to the north was identified as Renofab Process Corp. Dry Cleaning. Prior to this the adjacent site was a paper manufacturer. Other nearby facilities have included printing shops, Die cutting companies, Paint Varnish and Lacquer manufacturers, Fur Dying Works, a former gasoline station, and Empire City Subway storage yard.

4.0 USER PROVIDED INFORMATION

4.1 Title Records:

Since a history of type of usage of the building has been adequately investigated, and since the names of individual owners would not impact environmental considerations, a title search was not performed in conjunction with this investigation. A City Directory search and available Sanborn Maps revealed the historic usage of the site.

4.2 Environmental Liens:

No environmental lien issues were identified in conjunction with the database search.

4.3 Specialized Knowledge:

No significant specialized knowledge was noted, other than that which is described elsewhere in this report.

4.4 Valuation Reduction for Environmental Issues:

There are indications that soil and shallow groundwater contamination may exist in the immediate surrounding area due to the historic industrial usage of the area. Contamination identified from on-site or off-site sources is not likely to reduce the property value significantly further that has already occurred in the area.

4.5 Owner, Property Manager and Occupant Information:

The site is presently owned by "Miller Druck Specialty Contracting Inc.", who has occupied the site for over 20 years.

4.6 Reason for performing the Environmental Site Assessment:

This Environmental Site Assessment was performed in conjunction with the potential sale of the property by Miller Druck.

5.0 RECORDS REVIEW

5.1 Standard Environmental Records:

The "Environmental Data Resources, Inc." (EDR) ASTM Radius "search package" is a computer-generated map produced with the aid of Geographic Information System (GIS) technology. A fully automated search technique is used to produce the map, which does not manually research or plot non-geocoded facilities. Plotted on the map are hazardous waste and other "listed" facilities within the search radius.

Due to limitations of the GIS system, some of the distances and directions may be slightly inaccurate. Also, *distances shown are from the subject property street address to the database property street address, not from property line to property line.* This can be significant when addressing large facilities.

The main site was not identified on any of the databases searched. The remote storage yard is listed as E-Designation by the NYC zoning Department.

According to the database:

"The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP."

Lots 65, 66, 67, and 68 listed in the table above as E Designation sites encompass the Miller Druck remote material storage yard. The lot are listed with the following requirements:

Noise ("Window Wall Attenuation & Alternate Ventilation") – New construction will require compliance with the Zoning Department's noise regulation.

HazMat ("Underground Gasoline Storage Tank Testing Protocol") – A Phase II ESA (soil sampling) and possible remediation is required prior to approval of new construction. Although the description refers to gasoline tanks, it is often not indicative of the presence of gasoline tanks, only the potential for contamination.

The above designation was intended for residential development, but the Zoning department has also required compliance for commercial development.

The listed properties within 300 ft. mile of the main subject property are as follows:

DATABASE	NAME	ADDRESS	DIST/DIR
RCRA-CESQG, ,	Con Ed	E. 133rd & Willow	67 ft. SE

MANIFEST (2008)			
RCRA-NonGen (2010)	Con Ed	E. 133rd & Willow	67 ft. SE
NY Spills, NY Hist Spills (1998)	Manhole #11481	E. 133rd & Willow	67 ft. SE
NY Spills, NY Hist Spills (2000)	Manhole #11482	E. 133rd & Willow	67 ft. SE
NY Spills (2002)	Residence	E. 133rd & Willow	67 ft. SE
E Designation	Block 2562, Lots 65, 66, 67, 68	745 – 751 E. 133rd St.	136 ft. to 188 ft. WNW
DRYCLEANERS, RCRA-SQG, MANIFEST, CBS AST, CBS	Princeton Laundry	781 E. 133rd St.	163 ft. ESE
NY Spills, NY Hist Spills (1999)	Manhole #6089	E. 133rd & Willow	176 ft. SW
NY Spills, NY Hist Spills (1998)	Manhole #6093	E. 133rd & Willow	201 ft. SSE
MANIFEST	Con Ed	123 Willow	227 ft. NE
NY Spills, NY Hist Spills (1998)	Manhole #11484	E. 134th & Willow	276 ft. SSE
NY Spills, NY Hist Spills (2000)	Manhole #5978	E. 132nd & Willow	282 ft. SSW
NY Spills, NY Hist Spills (1999)	Manhole #5989	E. 132nd & Willow	282 ft. SSW
NY Spills, NY Hist Spills (2000)	Manhole #11475	E. 132nd & Willow	282 ft. SSW
NY Spills, RCRA-NonGen (1999)	In roadway catch basin, Manhole 5979	E. 132nd & Willow	282 ft. SSW
NY Spills, RCRA-NonGen (2000)	TM 707	E. 132nd & Willow	282 ft. SSW
NY Spills	Soil	E. 132nd & Willow	282 ft. SSW
E Designation	Block 2562, Lot 40	732 E. 134 th St.	291 ft. North
AST, HIST AST	Commercial Building	780 E. 134th Street	294 ft. NE
MANIFEST	Princeton Laundry	180 E. 134th St.	294 ft. NE
Many additional manholes and "E Designation" sites are listed further distant. Following are sites within1/8 mile *other than* manholes and E Designation sites.			
UST, HIST UST, LTANKS, HIST LTANKS, NY Spills	Boulevard & Ingerneri Trucking	719 E. 134th St.	325 ft. North
HIST LTANKS, NY Spills	Parking Garage	719 E. 134th St.	325 ft. North
RCRA-NonGen, FINDS, MANIFEST	Majestic Drug Co.	711 E 134th St.	344 ft. North
RCRA-CESG, FINDS, MANIFEST	Aztec Service Group	791 E. 132nd St.	361 ft. SSE

AST	First Bronx LLC	700 E. 134th St.	366 ft. NNW
RCRA-NonGen, FINDS, MANIFEST	NYC Dept of Sanitation	780 E. 132nd St.	377 ft. SSE
AST	Artistic Desk Pad & Novelty	721 E 132nd St.	405 ft. WNW
NY Spills, NY Hist Spills	Safety Kleen Corp.	9 Walnut Pl.	458 ft. SE
NY Spills	Hellgate Substation	810 E 134th St.	477 ft. East
NY Spills, LTANKS, RCRA-NonGen, FINDS, MANIFEST, HIST UST	Empire City Subway, Verizon	157 Willow Ave.	516 ft. NE
UST	Murray Feiss Imports, LLC	840 East 134th St.	544 ft. East
AST, UST	Project Return	781 East 135th St.	549 ft. NE
SWF/LF	All City Recycling, LLC	552 ft. ESE	552 ft. ESE
MANIFEST, AST	T J Ronan Paint Corp.	749 E. 135th St.	571 ft. NNE
RCRA-NonGen, MANIFEST	Bronx Molding	806 E. 135th St.	615 ft. ENE
RCRA-NonGen, MANIFEST, FINDS	Key Regulator Rebuilders Inc.	725 E 135th St.	640 ft. North
UST, HIST UST	S & S Soap	815 E. 135th St.	647 ft. ENE

Listed manholes were found to have a sheen to several gallons of petroleum product, often on a few hundred gallon of water. Common statements in the reports include "no sewer connection or waterways", "no sump or drain", and "manhole pumped out and power washed". Some of the reports suggest that the source is vehicular power washing or other improper discharges to the street. They may also be indicative of widespread petroleum related contamination of shallow groundwater.

Common Acronyms:

UST – Registered Underground Storage Tank(s)
LUST – Leaking Underground Storage Tank(s)
HIST LUST – Old listing of LUST sites; no longer maintained
SHWS - NJ State Hazardous Waste Site
RCRA – Resource Conservation and Recovery Act, track facilities that treat, store, and/or dispose of hazardous wastes; may be a SQG (Small Quantity Generator) or a LQG (Large Quantity Generator).
CORRACTS – RCRA facilities that required corrective action.
VCP – Voluntary Cleanup Program (generally minor cleanups)
HWS RE-EVAL – Hazardous Waste Site Case file previously closed, but DEP is presently re-evaluating site.

(See page GR-1 of the EDR radius map report for additional definitions of database acronyms).

The quantity of nearby sites listed above indicates that there may significant concerns of petroleum product contamination of soil and shallow groundwater in the area. Dry Cleaning chemicals and PCBs may also be a concern.

Generally, the NJDEC does not the owner of a property that receives contamination (usually through groundwater migration) from an off-site source responsible for on-site remediation. However, on-site migration from off-site sources can impact remediation costs (to prove contamination is from off-site), and cause vapor intrusion issues (limiting the types of development).

5.2 Additional Environmental Records:

Radon - The NY State radon office information was accessed to determine the potential for radon levels above the 4 picoCurie/liter standard. Based on area averages, the site has a low potential for radon levels above this standard.

5.3 Sources of Physical Setting Information:

Omega Environmental Services reviewed available sources of information relating to the geology of the subject property and surrounding areas. The purpose of this review was to evaluate the sensitivity of the potential contamination from sources on or near the subject property. It was not the purpose of this study to evaluate the geotechnical conditions of the site or to assess engineering concerns such as foundation conditions, faulting or subsidence.

5.4 Sources of Historical Use Information of the Property:

The "EDR Search Package", Sanborn Maps, Historic Aerial Photographs, and NYC on-line resources were utilized for historic uses of the property. Sanborn Maps were available for the following years: 1891, 1908, 1928, 1935, 1944, 1946, 1947, 1951, 1968, 1969, 1977, 1978, 1980, 1981, 1984, 1980, 1981, 1984, 1986, 1989, 1991, 1992, 1993, 1994, 1995, 1996, 1998, 2001, 2002, 2003, 2004, 2005, 2006, and 2007. Historical Aerial Photographs were available for the target property following years: 1954, 1966, 1974, 1980, 1995, 2001 through 2006, 2009, 2010, and 2011.

5.5 Sources of Historical Use Information of Adjoining Properties:

The above listed resources were utilized to obtain information on the adjoining properties.

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions:

Interior

Site reconnaissance work is limited to those areas accessible at the time of the on-site inspection. Virtually the entire building interior was inspected.

Soil

Since soil under sidewalks, asphalt paving, and the building foundations is not accessible for inspection, specific evaluation of its potential for contamination (i.e. staining) is not feasible.

6.2 General Site Setting:

The surrounding area has historically consisted of commercial, industrial, manufacturing and residential development.

6.3 Exterior Observations:

Topography

No unusual surface conditions (such as would indicate settling) were observed during the site investigation. The property and surrounding area are generally level with a slight slope to the south.

Evidence of Potential Contamination

Based on visual inspection, there was no *visual* evidence of contamination (no unusual odors, staining, or distressed vegetation) around the exterior of the building.

Underground Storage Tanks (USTs) and Aboveground Storage Tanks

No visual indication or documentary evidence was identified of any present or historic *exterior* USTs or ASTs on the subject property.

Transformers/PCBs

No potential PCB containing transformers were identified in relation to the subject property.

6.4 Interior Observations:

Chemical Storage

A few small containers of gasoline are located in a flammables storage cage in the yard area. A few other containers and drums of acetone and latex tile adhesive were found to be in very good condition and well maintained. No other significant chemical storage was noted.

Evidence of Chemical Contamination

Evidence of potential chemical contamination observed was limited to the "soil" in the basement.

Transformers

No suspect PCB containing transformers were identified in conjunction with the interior of the building.

Ω *Omega Environmental Services, Inc. 280 Huyler Street • South Hackensack, NJ 07606 • Tel: (201) 489-8700 • Fax: (201) 342-5412*

7.0 INTERVIEWS – Site information was provided by primarily through direct observation, records research, Sanborn Maps, Historical Aerial Photographs, and discussions with the site manager Micheal Scarpetti.

8.0 FINDINGS

Soils/Geology

No unusual soil conditions were noted (such as settling, or shifting).

Potential onsite contamination

No *visual* or known evidence of chemical contamination was identified on the subject property, other than the "soil" on the basement slab.

If the basement fuel oil tank was not emptied prior to abandonment, there is the potential for it to have developed leaks and discharged the oil within the masonry containment. The basement slab is generally in poor condition and it possible that discharge oil may have penetrated the slab and impacted sub-slab soils.

E-Designation by the NYC Zoning Department may also indicate and environmental concerns in the remote storage yard.

There is potential for migration of contamination onto the site from off-site sources. See "Database Search" below.

Radon

According to the US EPA Radon office, the Radon Zone for Bronx County is Tier 3 – low potential for radon levels above the 4 picoCurie/liter standard.

Underground Storage Tank (UST) and Aboveground Storage Tanks (AST)

An out-of-service UST is located in the basement of the "office" building. It has reportedly been inactive for 20 years. Although enclosed with concrete blocks, the tank should be registered, removed and underlying materials inspected for possible contamination. No visual indications or records were identified of any other previous ASTs or USTs.

Transformers/PCBs

No suspect PCB containing transformers were identified in conjunction with the subject property.

Database Search

Based on a review of the database information, there is significant potential for contamination of the surrounding area due to the following:

- Historic manufacturing and industrial usage of the area, including Dry Cleaners, printing shops, Die cutting companies, Paint Varnish and Lacquer manufacturers, Fur Dying Works, a former gasoline station, and Empire City Subway storage yard.
- The presence of oil in many adjacent manholes identified over several years.
- Various other spills, leaking tanks, and solid waste facilities.

9.0 OPINION

It is the opinion of Omega Environmental Services that the environmental risk associated with the subject property is moderate.

Known sources of on-site contamination are limited to the following:

- Soil like material on basement floor slab (possible petroleum related products or solvents).
- UST in basement (if any remaining fuel oil discharged through slab into subsurface materials.

Based on the industrial history of the surrounding area, general shallow contamination of soils and shallow groundwater is likely (off-site sources).

10.0 CONCLUSION (S)

Based on Omega's investigation of the subject site, *further investigation is recommended in regard to the subject property as follows:*

- "Soil" sampling of material on basement slab. Analyze samples per NYSDEC TAGM VOCs, SVOCs, DRO/GRO parameters and PCBs.
- Tank registration, removal and inspection of underlying materials.

Due to the E-Designation of the remote storage yard, soil, soil vapor, and possibly groundwater sampling will be required in compliance with the NYC Office of Environmental Remediation (OER) requirements prior to site development approval. See Section 16.6 for a copy of the "Negative Declaration" that describes the requirements further.

Since complying with the OER requirements requires submittal and approval of site development plans, a Remedial Investigation Workplan, and a site Health and Safety Plan prior to actual site investigation activities, the owner may opt to perform initial limited soil

14.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

Certification Statement:

The undersigned consultant verifies that reasonable due diligence was exercised in conducting the attached Environmental Site Assessment and that the results contained therein are true and accurate, to the best of our knowledge, and the information reflects existing conditions of the site at the time of the audit.

David Ekstrand, P.E.

15.0 QUALIFICATIONS OF RESPONSIBLE ENVIRONMENTAL PROFESSIONALS

David Ekstrand, a Certified Hazardous Materials Manager and Licensed Professional Engineer (PE), has been performing Phase I Environmental Site Assessments for a time period of over fourteen years. He holds a Bachelors Degree in Mechanical Engineering and has considerable experience in environmental investigations and cleanups.

16. **Appendices**

16.1	Area Street Map, Tax Map
16.2	Site Photographs
16.3	Aerial Photographs
16.4	Recent Topographical Map
16.5	Historical Records (Sanborn Maps, City Directory Abstract)
16.6	Additional Documentation
16.7	Regulatory Records Documentation (EDR Radius Map report, on CD only)

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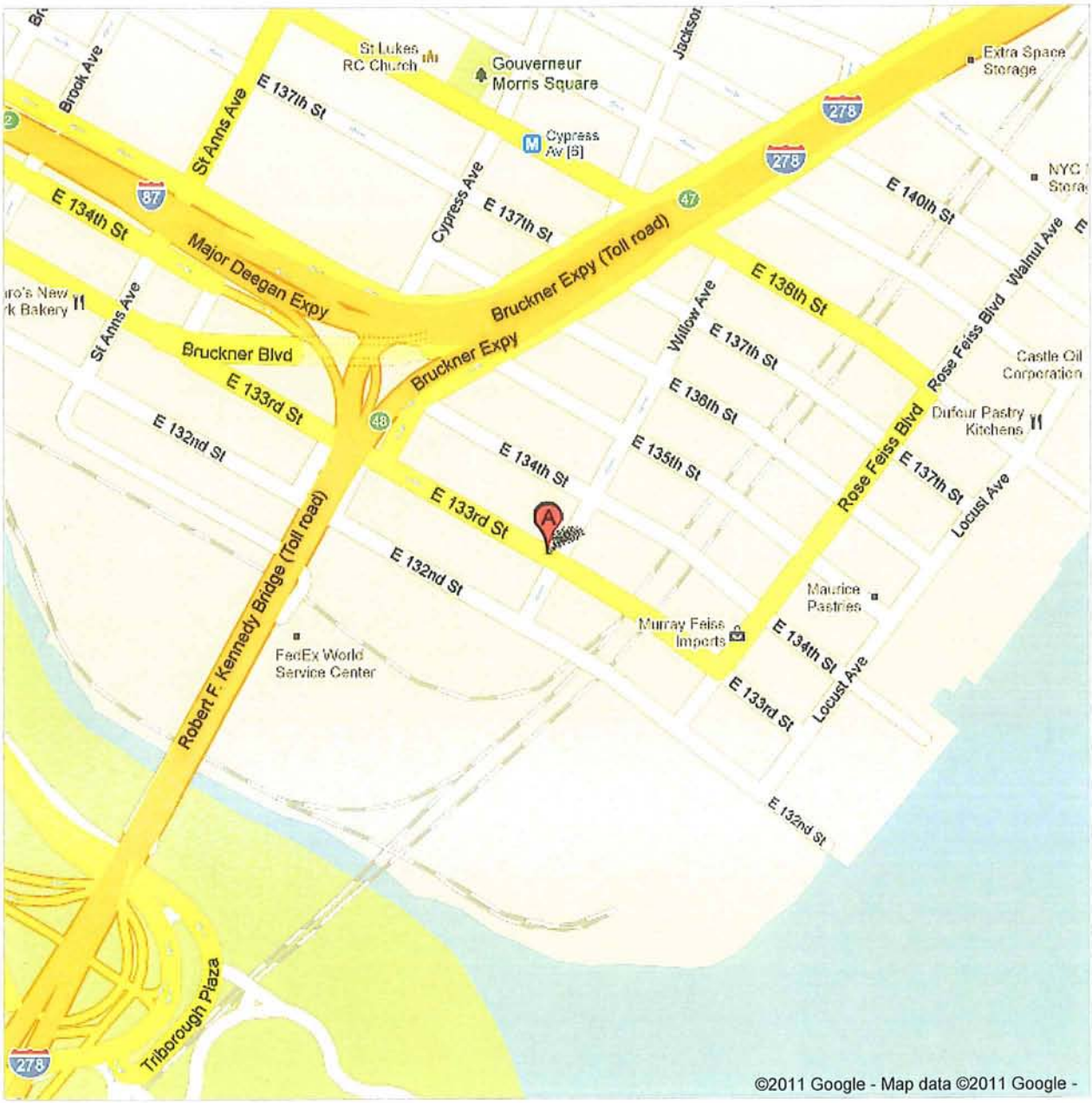
16.1 Area Street Map

Google maps Address **765 E 133rd St**
Bronx, NY 10454

Get Google Maps on your phone
Text the word "GMAPS" to 466453



Google maps Address **765 E 133rd St**
Bronx, NY 10454

Get Google Maps on your phone
Text the word "GMAPS" to 466453

765 E. 133rd St., Bronx, NY

6/24/2011

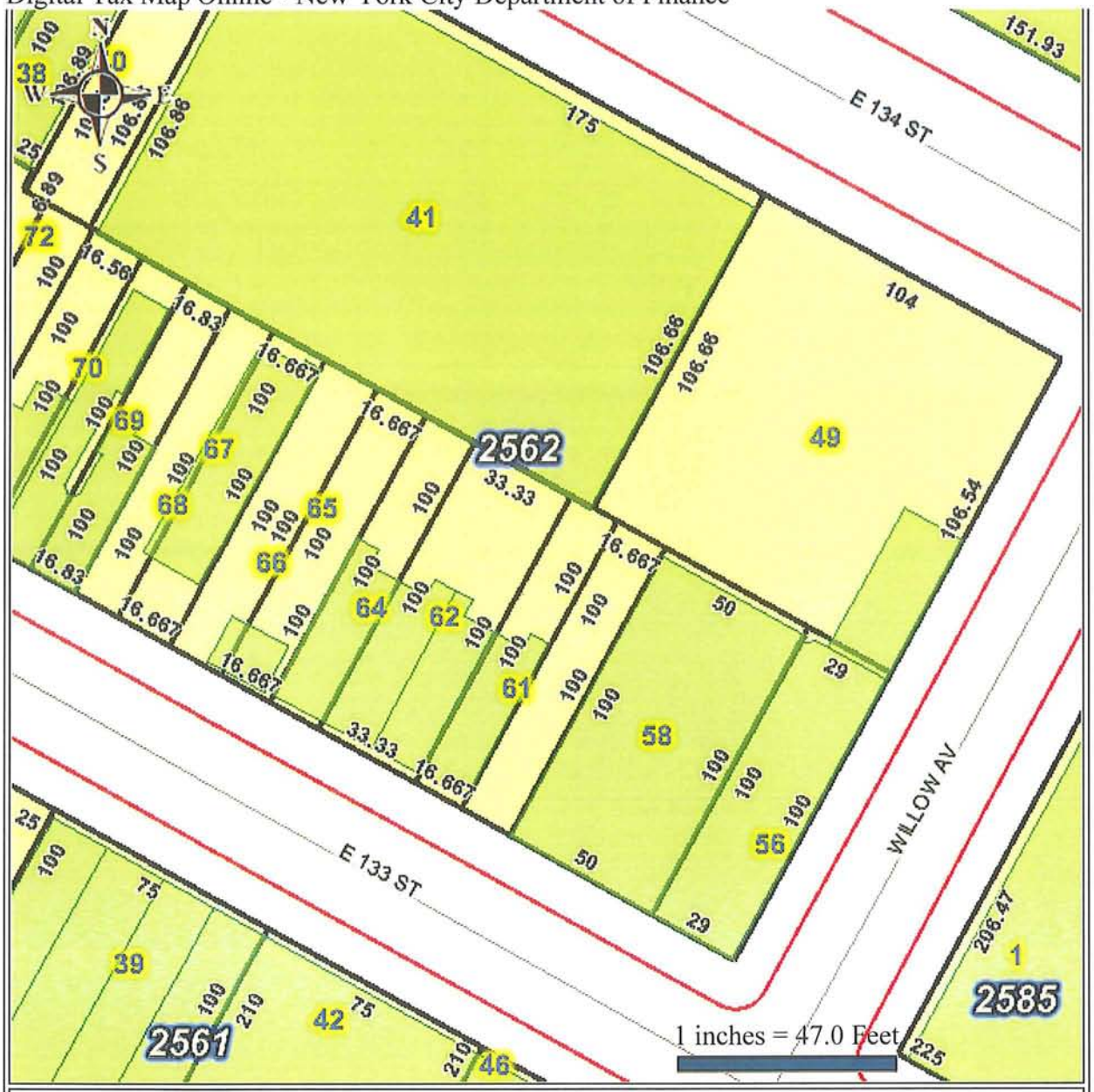
Boroughs

Tax Blocks

Tax Lots

Boundary Lines

Streets



765 E. 133rd St., Bronx, NY

NYC Finance

6/24/2011

Boroughs

Tax Blocks

Tax Lots

Boundary Lines

Streets

Edge of Pavement

Building Footprints

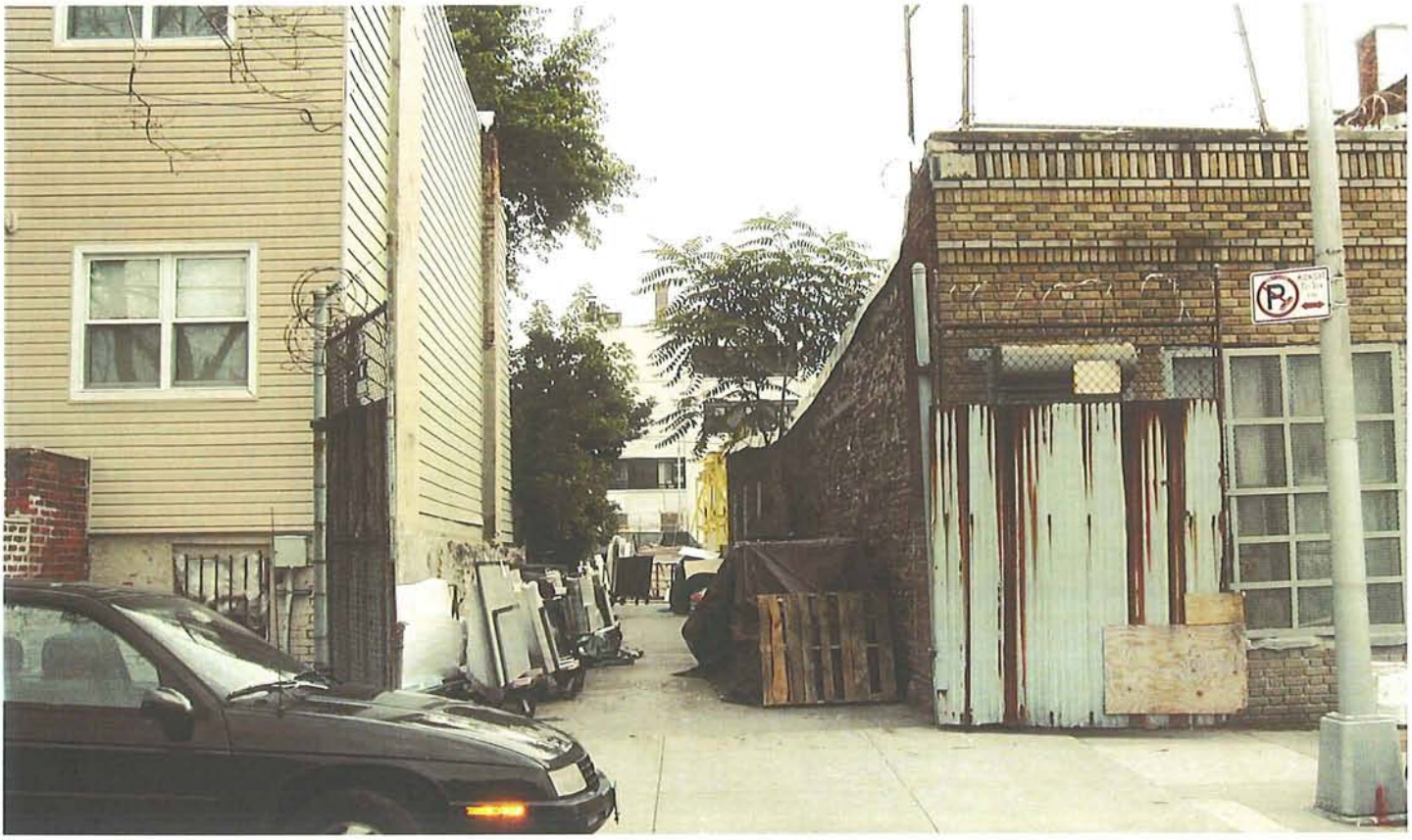
Hydrography

Open Spaces

16.2 Site Photographs

SE corner of property; view facing NW

Southern side of property



Alley along western property line; view facing north

Adjacent property to the west on 133rd St.

Property to the SE across Willlow and 133rd

Proerty acorss Willow; view facing NE from 133rd

NE property wall

NE corner of property; view facing SW

Adjacent property to the north; view facing north

Adjacent property to the west along 134th St.

Main yard

Metal parts storage

Interior fabrication shop

First floor of "office" building

2nd floor of "office" building

Third floor of "office" building

Drums in basement of "office building

Pipes in basement

Drum in basement

Basement of "office" building

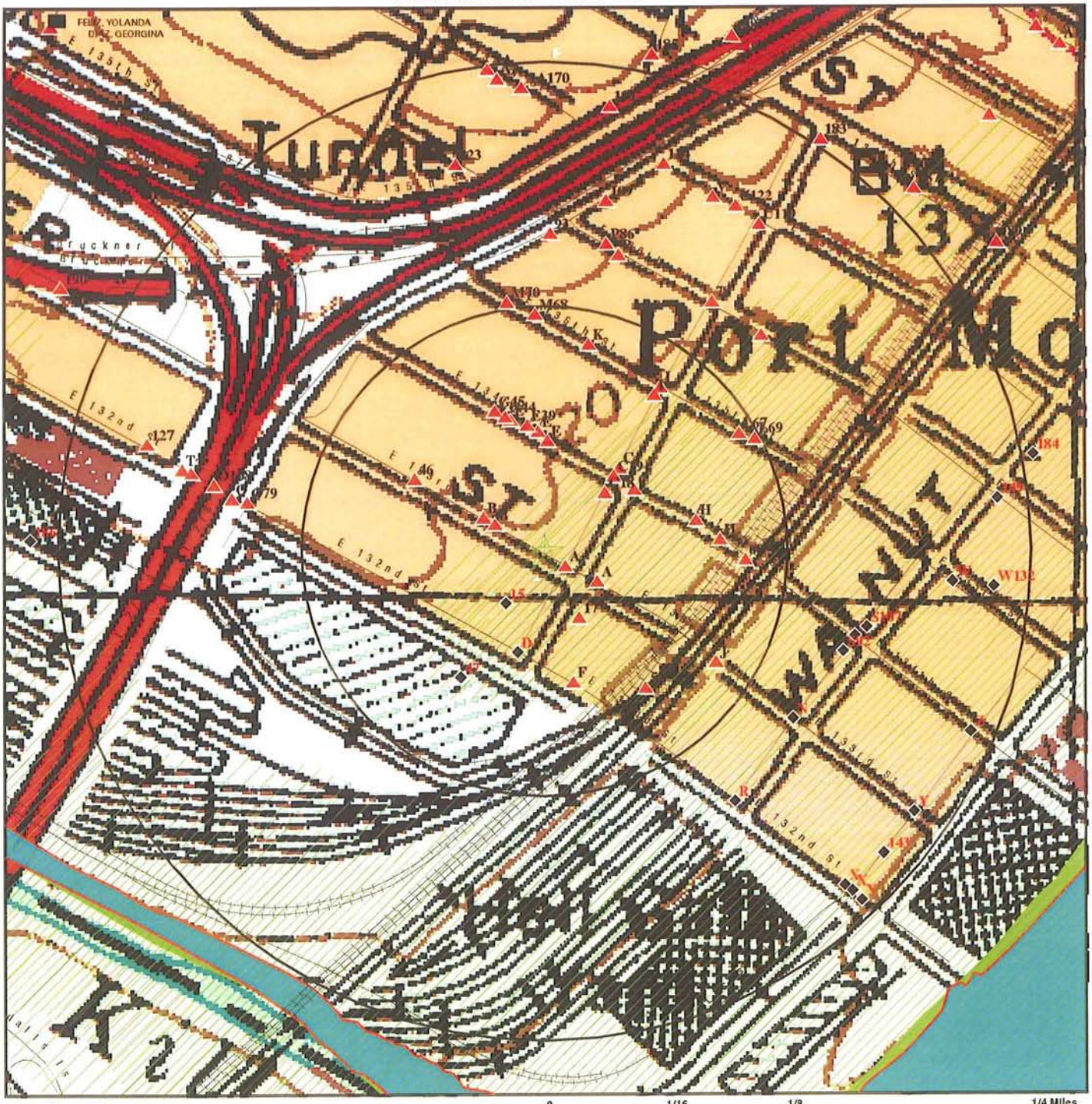
16.3 Recent Aerial Photographs

765 E 133rd St, Bronx, NY 10454
© 2011 Google
230 ft
Imagery Date: 6/17/2010
lat 40.801445 lon -73.913773 elev 18 ft
Eye alt 1012 ft
Google

E 135th St
Major Deegan Expy
St Ann's Pl
Bruckner Blvd
278
87
E 133rd St
E 132nd St
Cypress Ave
Bruckner Expy
Willow Ave
765 E 133rd St, Bronx, NY 10454
E 140th St
E 138th St
E 139th St
E 137th St
Locust Ave
E 134th St
Robert F. Kennedy Bridge (Trolleroad)
R.F.K. Triborough Bridge Trail
752 ft
©2011 Google
©2010 Google
Imagery Date: 6/17/2010
lat 40.801029° lon -73.912868° elev 18 ft
Eye alt 3305 ft

16.4 Recent Topographical Map

DETAIL MAP - 3097859.2s



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 765 East 133rd Street ADDRESS: 765 East 133rd Street Bronx NY 10454 LAT/LONG: 40.8011 / 73.9139	CLIENT: Omega Environmental Services CONTACT: David Ekstrand INQUIRY #: 3097859.2s DATE: June 16, 2011 4:35 pm

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16.5 Historical Records
(Sanborn Maps, City Directory)

765 East 133rd Street
765 East 133rd Street
Bronx, NY 10454

Inquiry Number: 3097859.3
June 17, 2011

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

6/17/11

Site Name:	Client Name:
765 East 133rd Street	Omega Environmental Services
765 East 133rd Street	280 Huyler Street
Bronx, NY 10454	South Hackensack, NJ 07606
EDR Inquiry # 3097859.3	Contact: David Ekstrand

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Omega Environmental Services 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:	765 East 133rd Street
Address:	765 East 133rd Street
City, State, Zip:	Bronx, NY 10454
Cross Street:	
P.O. #	NA
Project:	11-1202
Certification #	C467-4EE8-ABD9

Sanborn® Library search results
Certification # C467-4EE8-ABD9

Maps Provided:

2007	2001	1992	1980	1947	1891
2006	1998	1991	1978	1946	
2005	1996	1989	1977	1944	
2004	1995	1986	1969	1935	
2003	1994	1984	1968	1928	
2002	1993	1981	1951	1908	

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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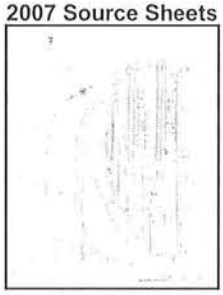
Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2007 Source Sheets



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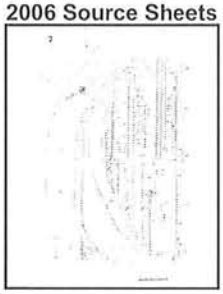
2006 Source Sheets



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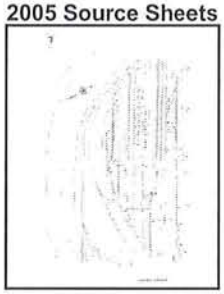

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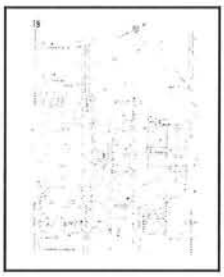

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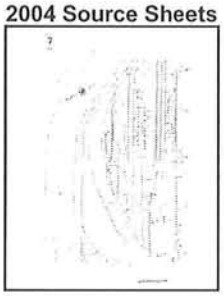

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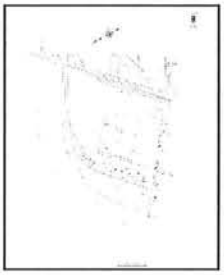

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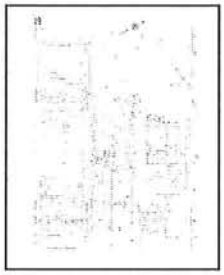

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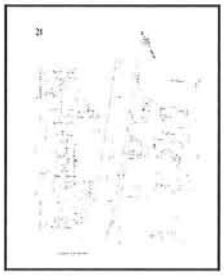

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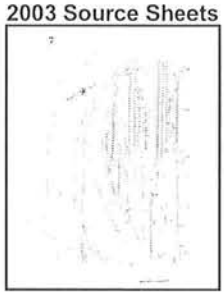

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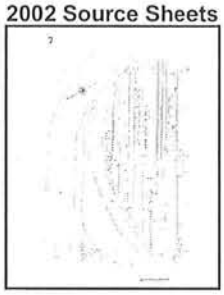

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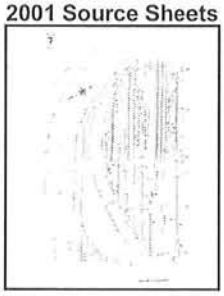

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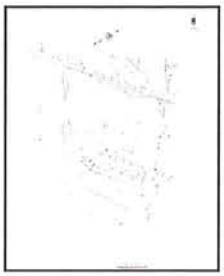

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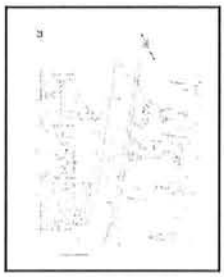

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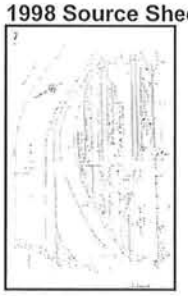

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1995 Source Sheets

Volume 9S, Sheet 21

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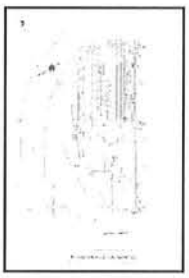
1994 Source Sheets

Volume 9S, Sheet 21



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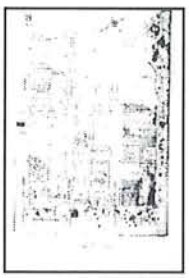
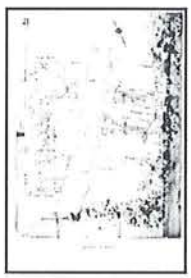
1993 Source Sheets

Volume 9S, Sheet 7

Volume 9S, Sheet 8



Volume 9S, Sheet 19



Volume 9S, Sheet 21

1992 Source Sheets

Volume 9S, Sheet 7

Volume 9S, Sheet 8

Volume 9S, Sheet 19

Volume 9S, Sheet 21

1991 Source Sheets

Volume 9S, Sheet 7

Volume 9S, Sheet 8

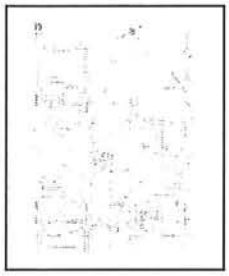
Volume 9S, Sheet 19

Volume 9S, Sheet 21

1989 Source Sheets

Volume 9S, Sheet 7

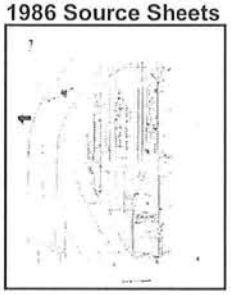
Volume 9S, Sheet 8



Volume 9S, Sheet 19

Volume 9S, Sheet 21

1986 Source Sheets



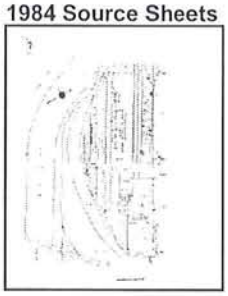
Volume 9S, Sheet 7

Volume 9S, Sheet 8

Volume 9S, Sheet 19

Volume 9S, Sheet 21

1984 Source Sheets



Volume 9S, Sheet 7

Volume 9S, Sheet 8

Volume 9S, Sheet 19

Volume 9S, Sheet 21

1981 Source Sheets

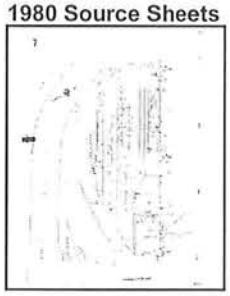
Volume 9S, Sheet 7

Volume 9S, Sheet 8

Volume 9S, Sheet 21

Volume 9S, Sheet 19

1980 Source Sheets



Volume 9S, Sheet 7

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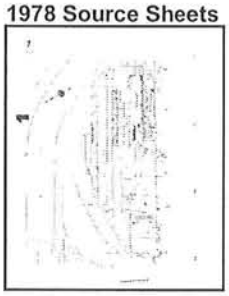
Volume 9S, Sheet 19

Volume 9S, Sheet 21

1978 Source Sheets



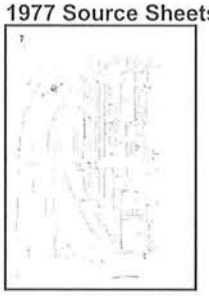
Volume 9S, Sheet 7

Volume 9S, Sheet 8

Volume 9S, Sheet 19

Volume 9S, Sheet 21

1977 Source Sheets



Volume 9S, Sheet 7

Volume 9S, Sheet 8

Volume 9S, Sheet 19

Volume 9S, Sheet 21

1969 Source Sheets

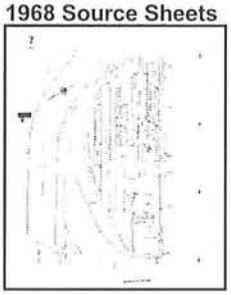
Volume 9S, Sheet 7

Volume 9S, Sheet 8

Volume 9S, Sheet 19

Volume 9S, Sheet 21

1968 Source Sheets



Volume 9S, Sheet 7

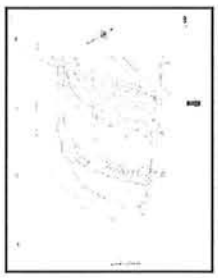
Volume 9S, Sheet 8

Volume 9S, Sheet 19

Volume 9S, Sheet 21

1951 Source Sheets

Volume 9S, Sheet 7



Volume 9S, Sheet 8

Volume 9S, Sheet 19

Volume 9S, Sheet 21

1947 Source Sheets

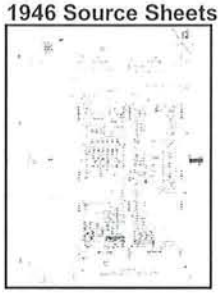
Volume 9S, Sheet 4

Volume 9S, Sheet 5

Volume 9S, Sheet 19

Volume 9S, Sheet 21

1946 Source Sheets



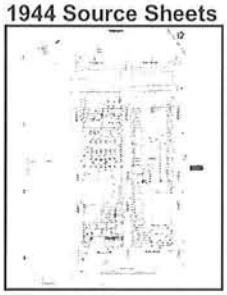
Volume 9, Sheet 12

Volume 9, Sheet 13

Volume 9, Sheet 17

Volume 9, Sheet 21

1944 Source Sheets



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Volume 9, Sheet 17

Volume 9, Sheet 21

1935 Source Sheets

Volume 9, Sheet 11

Volume 9, Sheet 16

Volume 9, Sheet 20

1928 Source Sheets

Volume Pier Maps, Sheet 29

1908 Source Sheets

Volume 9, Sheet 12

Volume 9, Sheet 17

Volume 9, Sheet 21

1891 Source Sheets

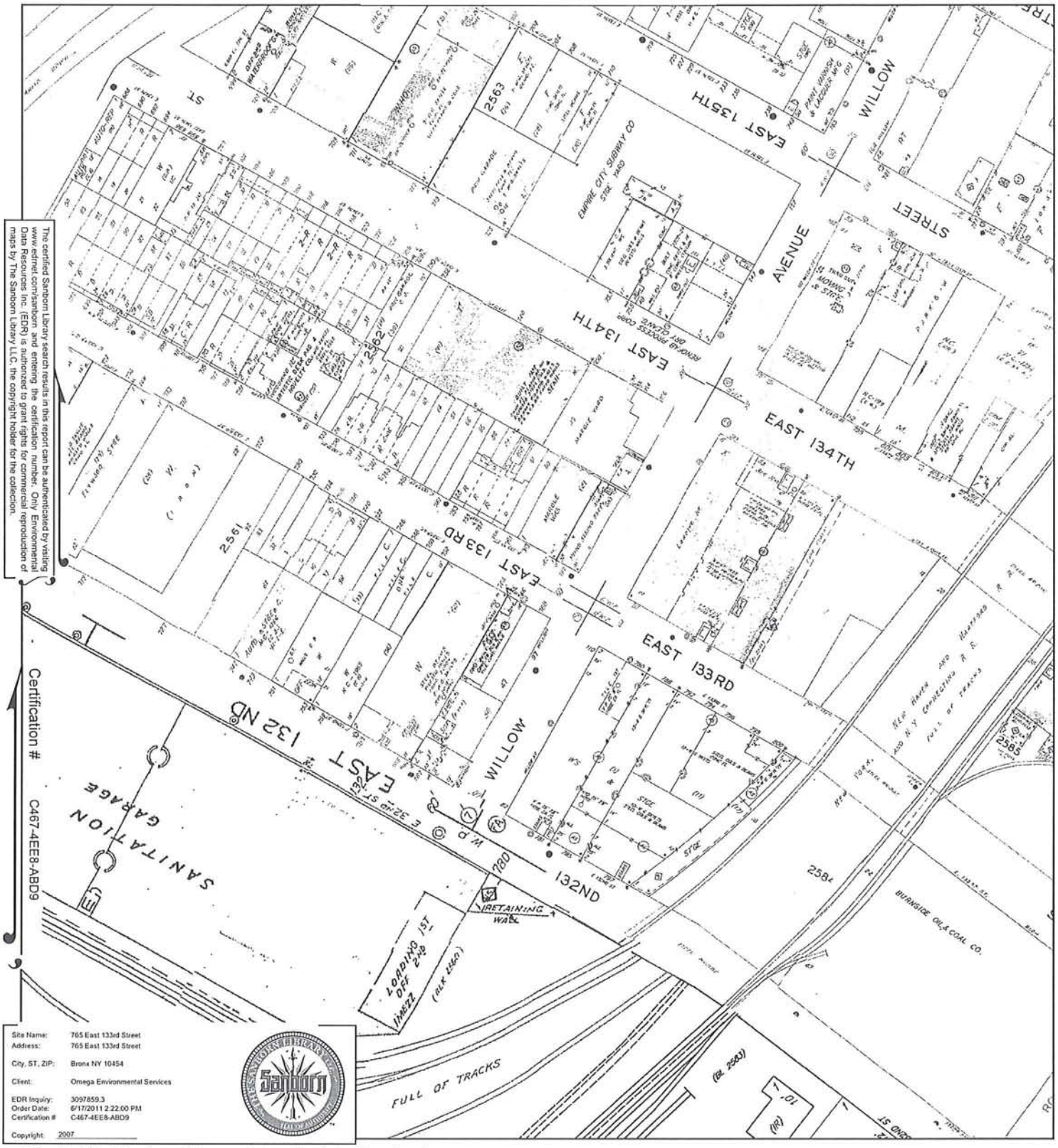
Volume 9, Sheet 187

Volume 9, Sheet 188

Volume 9, Sheet 189

Volume 9, Sheet 190

2007 Certified Sanborn Map



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0 Feet 150 300 600

N

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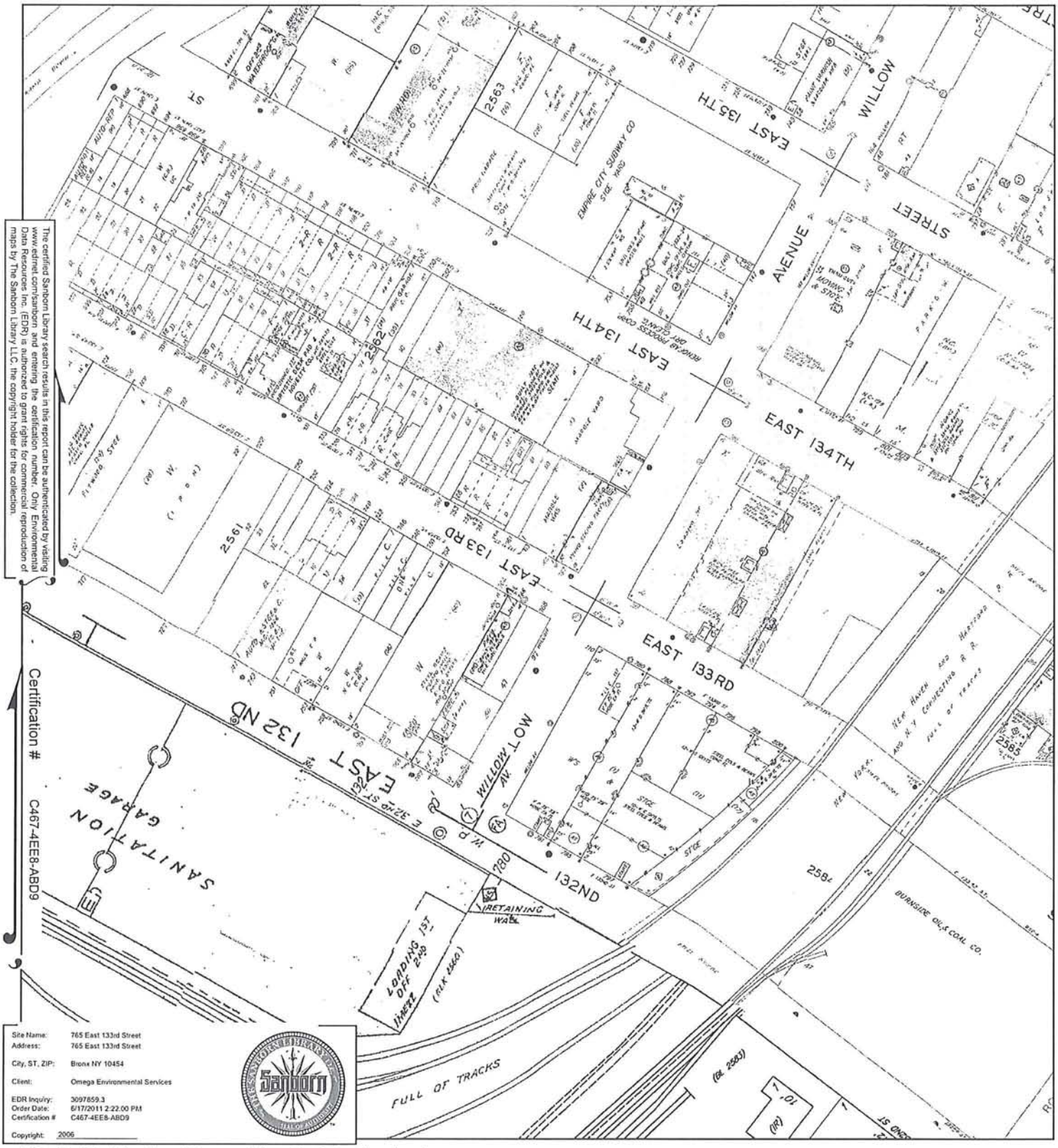

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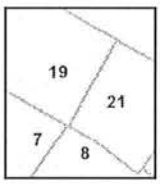

Volume 9S, Sheet 7
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Volume 9S, Sheet 19
Volume 9S, Sheet 21

0 Feet 150 300 600

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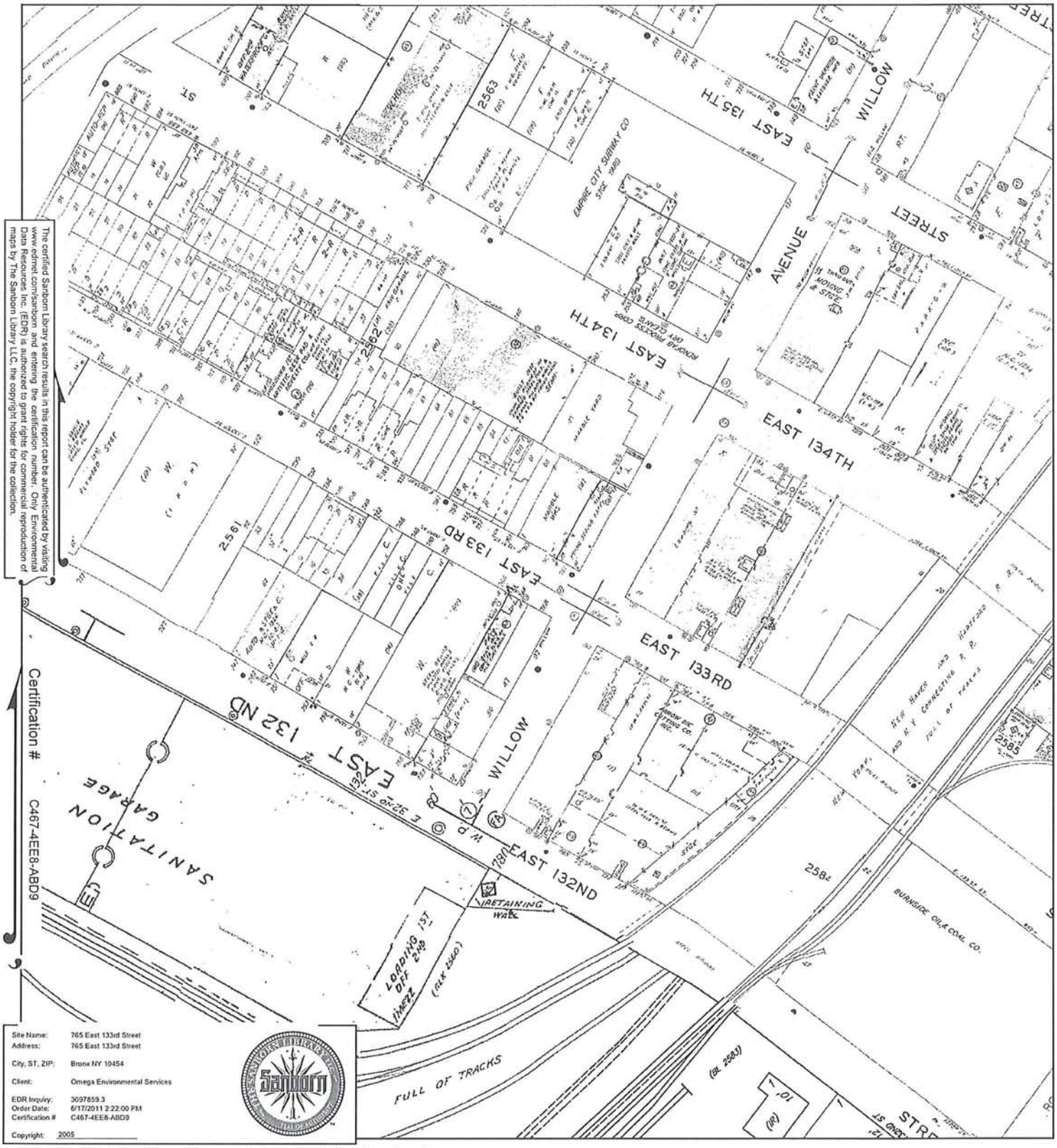
2005 Certified Sanborn Map



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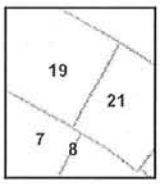

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Volume 9S, Sheet 19
Volume 9S, Sheet 21
Volume 9S, Sheet 8

0 Feet 150 300 600

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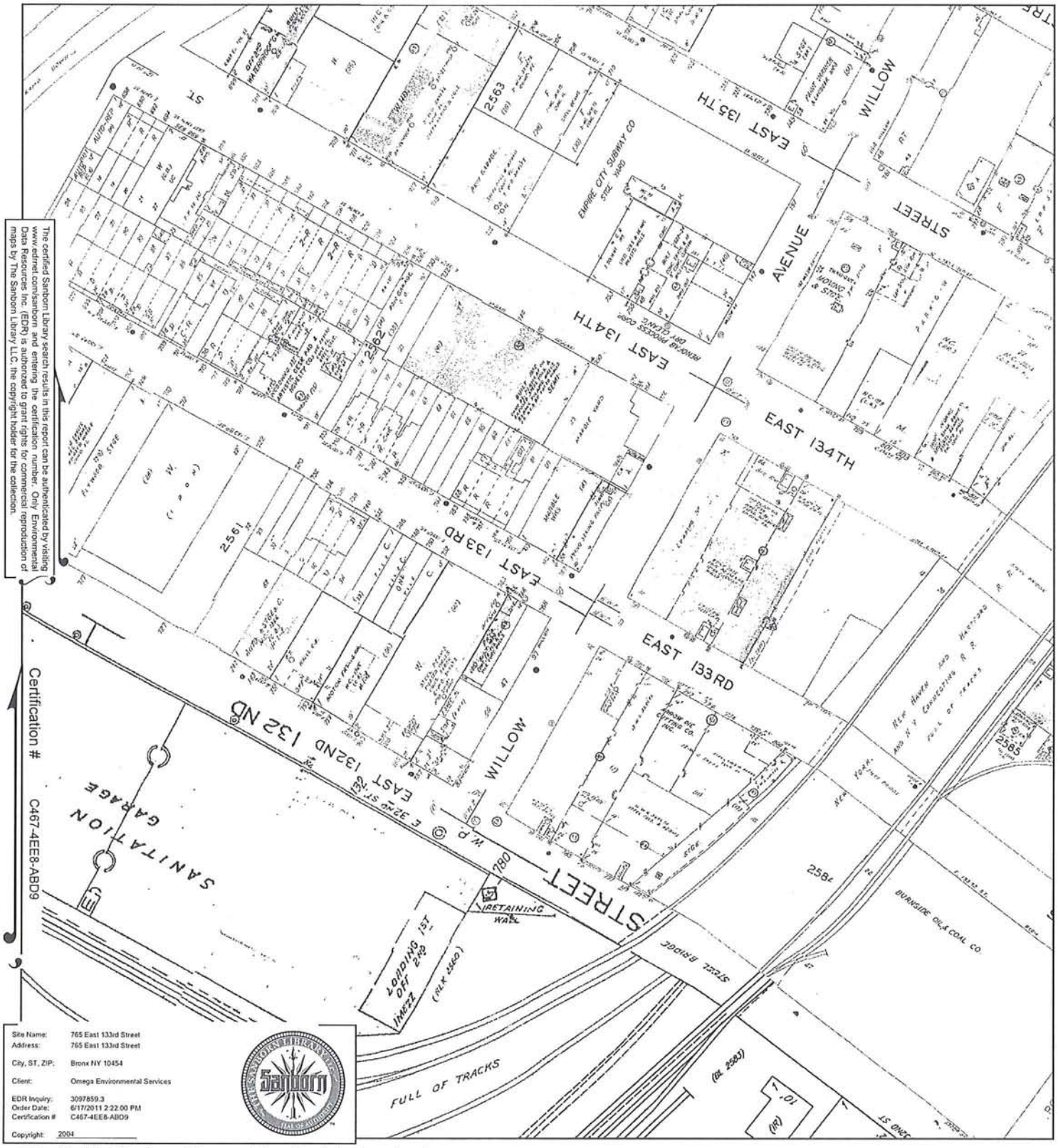
2004 Certified Sanborn Map



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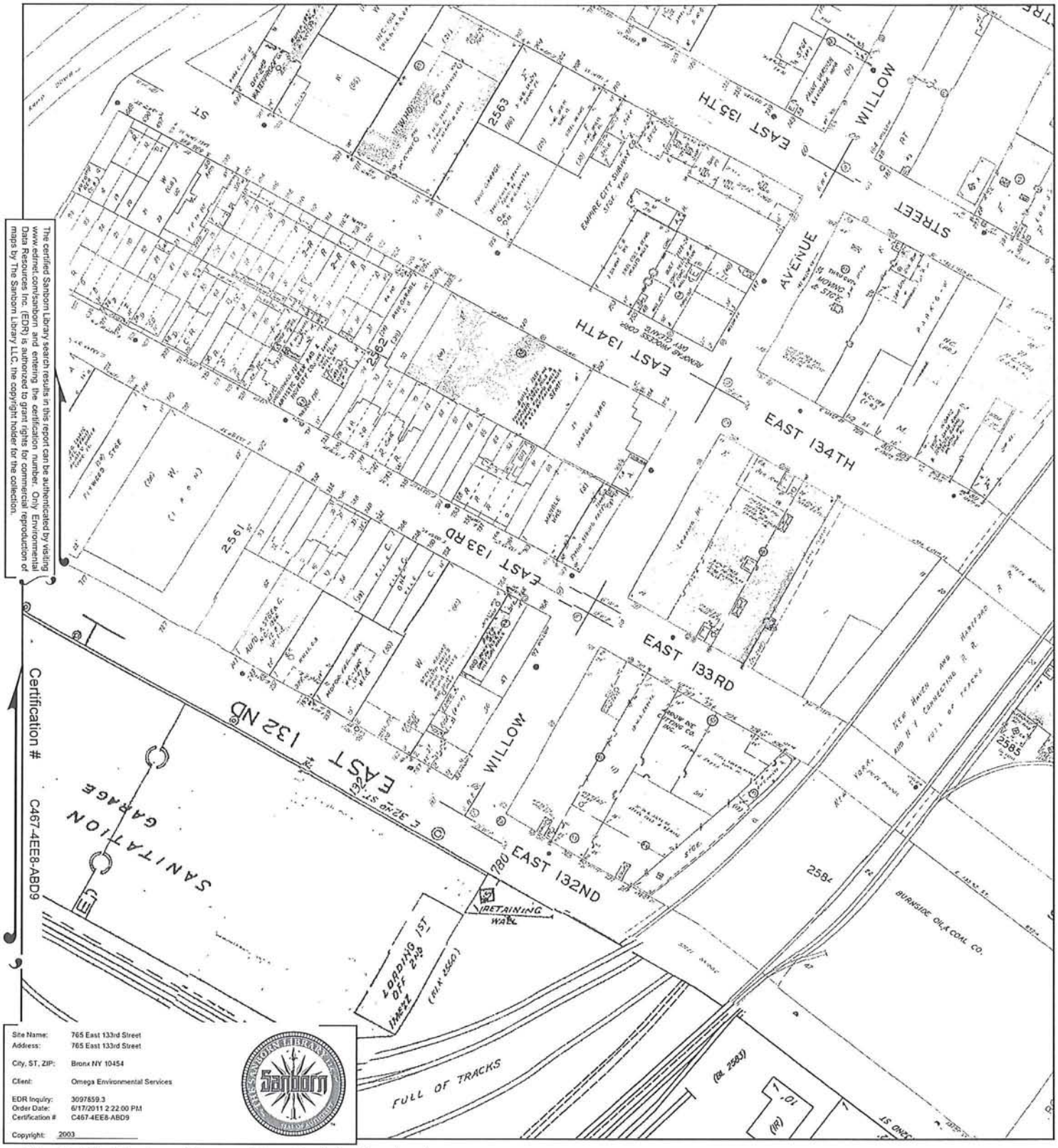

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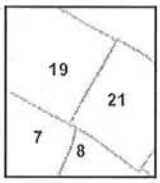

Volume 9S, Sheet 7
Volume 9S, Sheet 19
Volume 9S, Sheet 21
Volume 9S, Sheet 8

0 Feet 150 300 600

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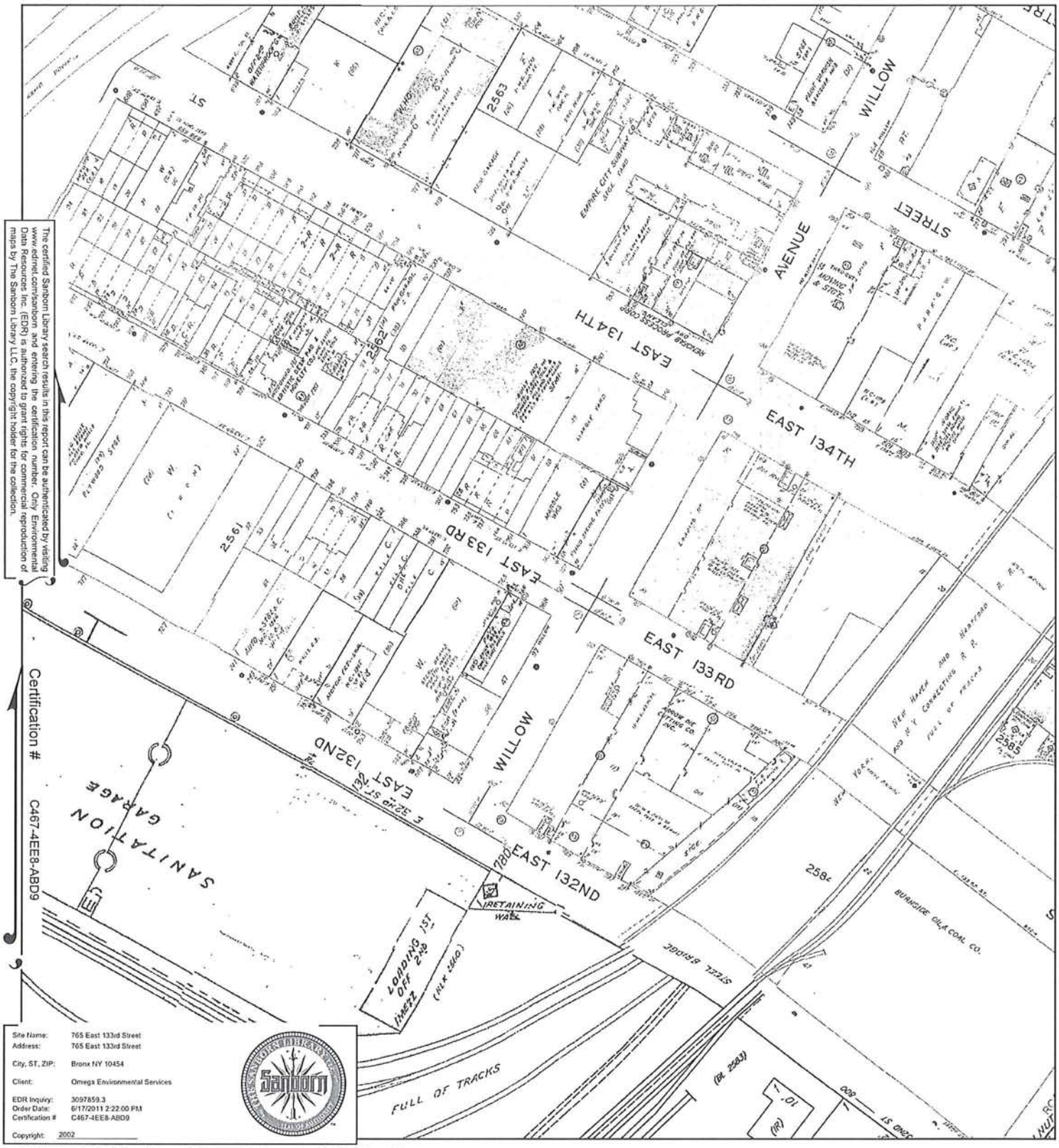

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Volume 9S, Sheet 21

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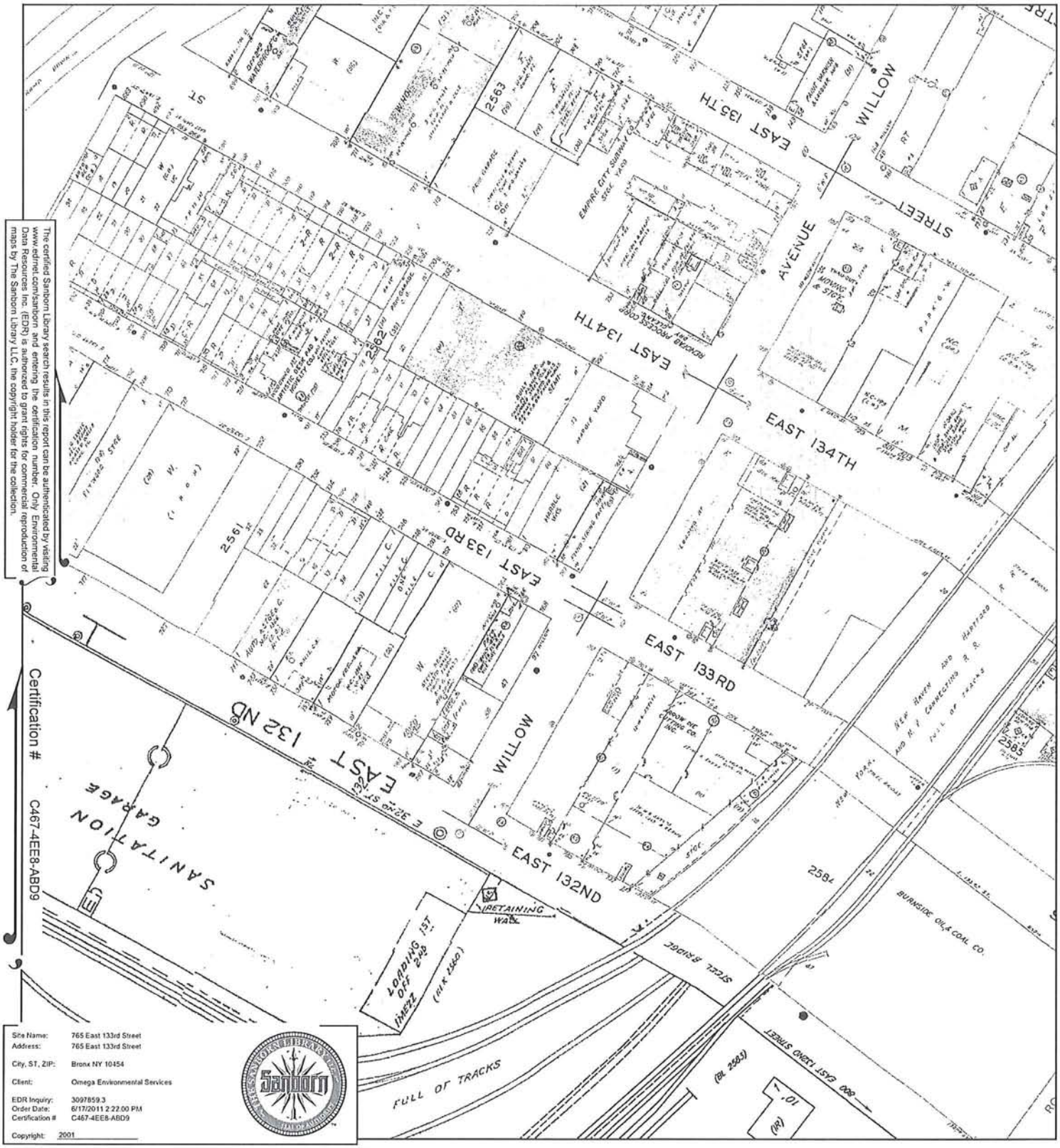

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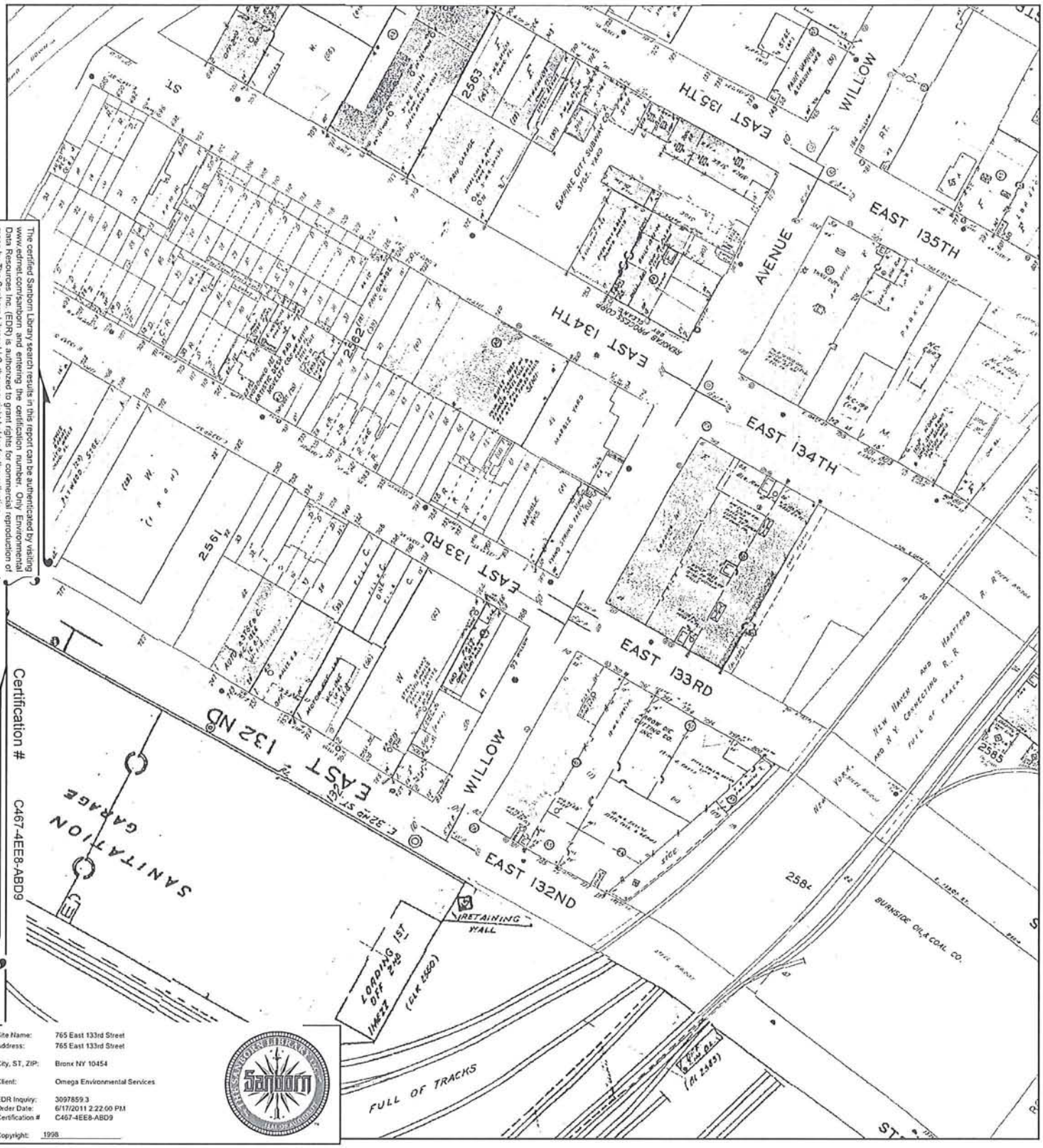
N

1998 Certified Sanborn Map



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Volume 9S, Sheet 21

0 Feet 150 300 600

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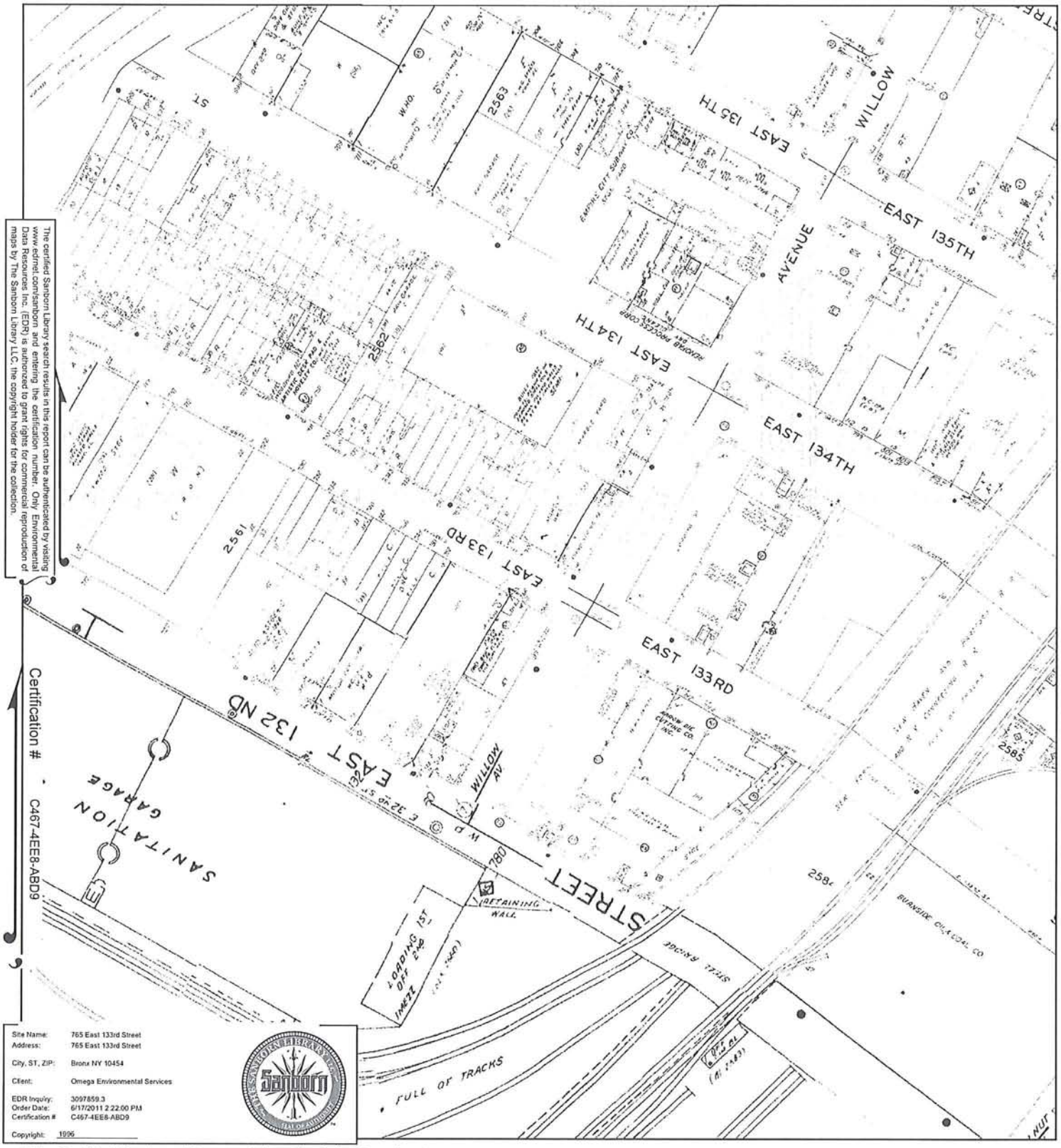

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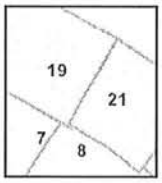

Volume 9S, Sheet 7
Volume 9S, Sheet 8
Volume 9S, Sheet 19
Volume 9S, Sheet 21

0 Feet 150 300 600

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Volume 9S, Sheet 8
Volume 9S, Sheet 19

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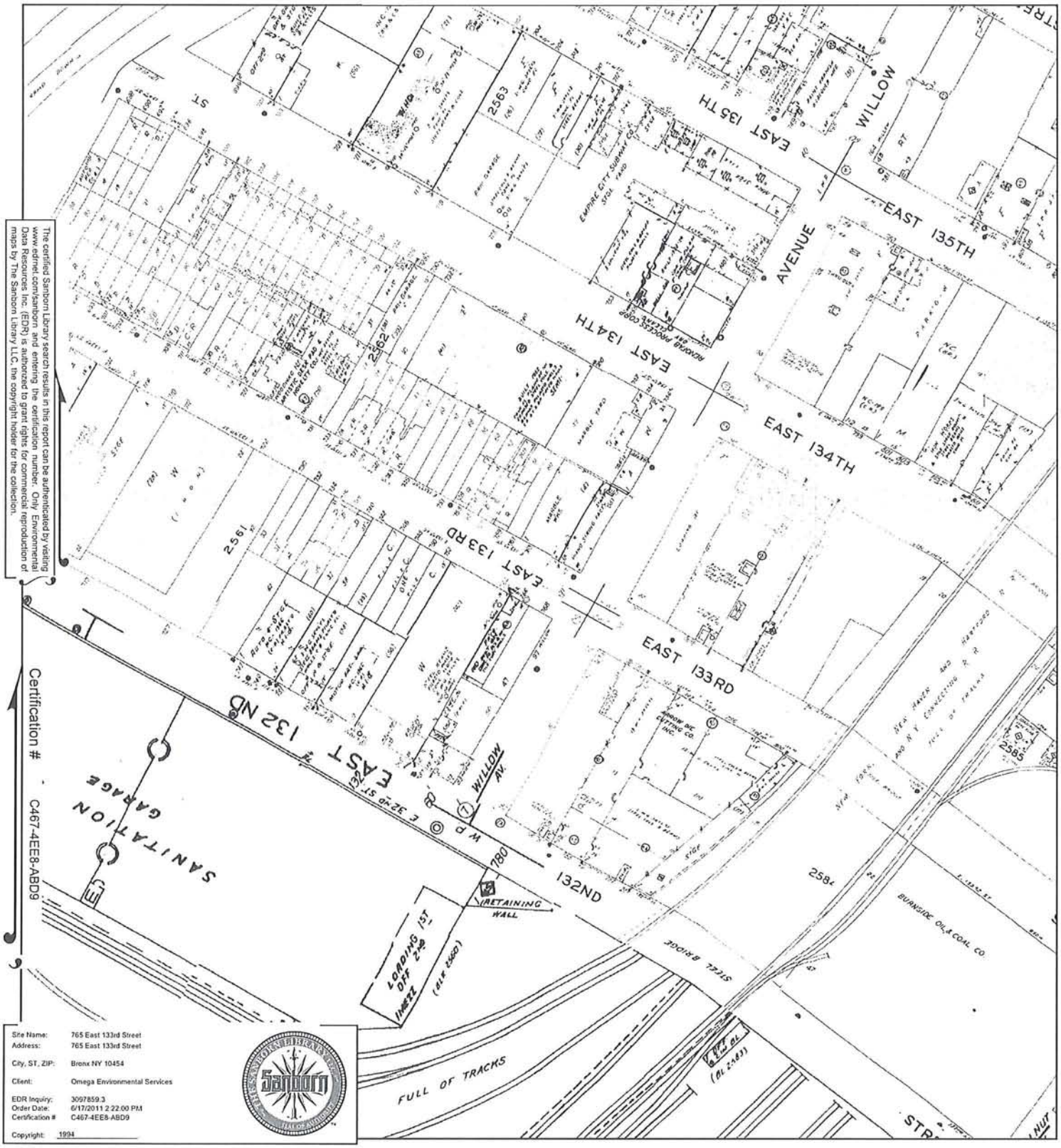

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Volume 9S, Sheet 8
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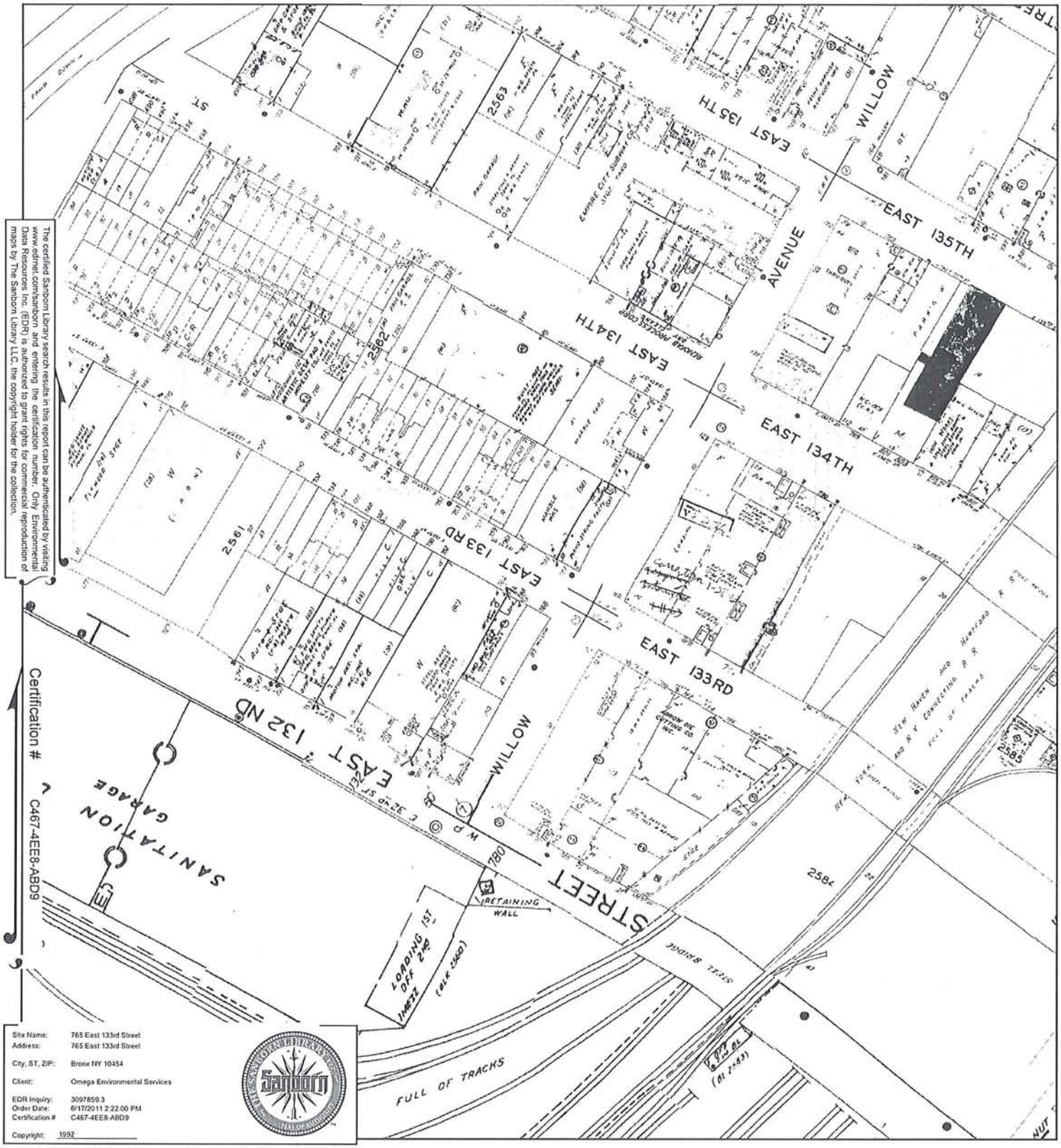

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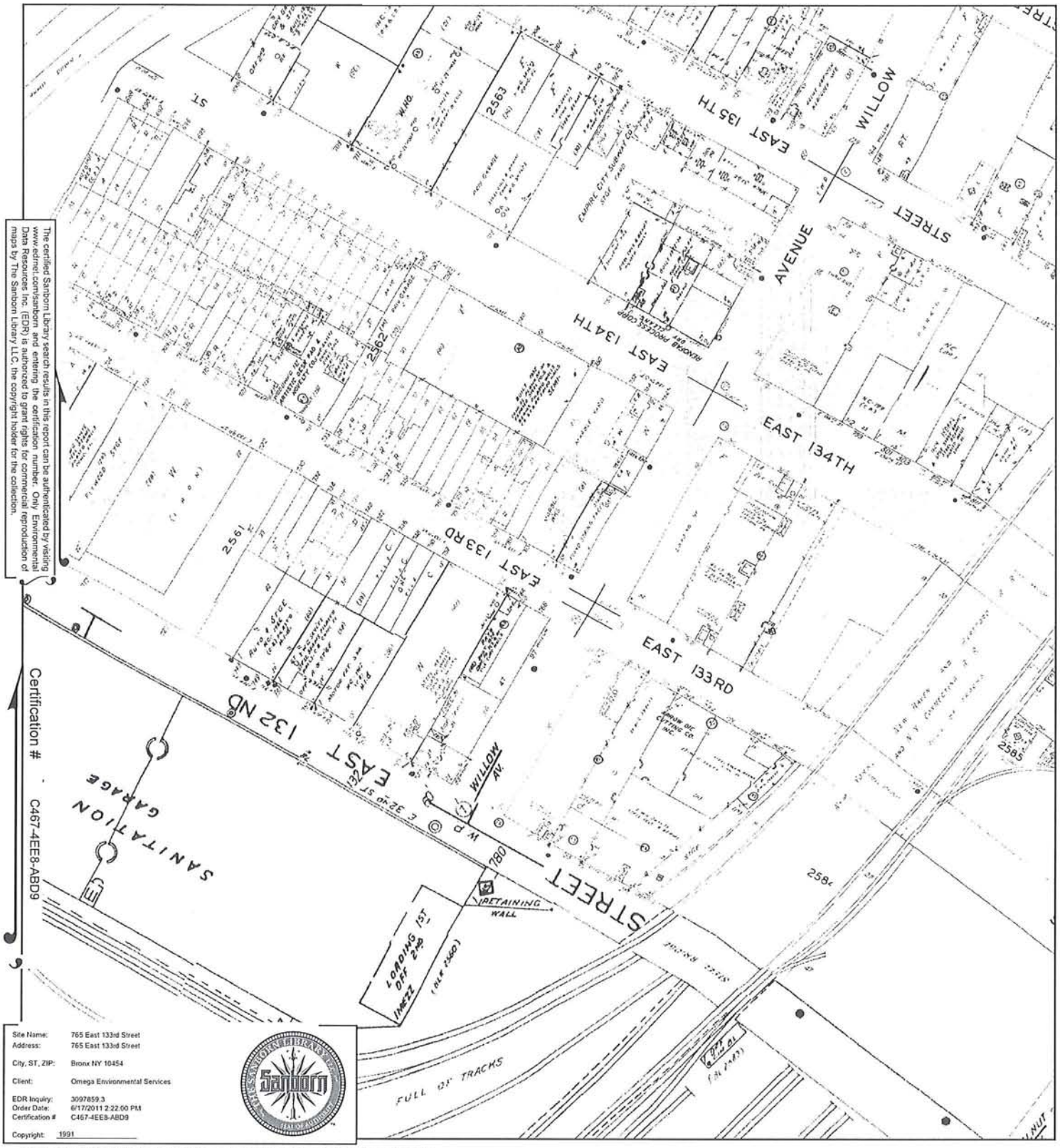

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Volume 9S, Sheet 21

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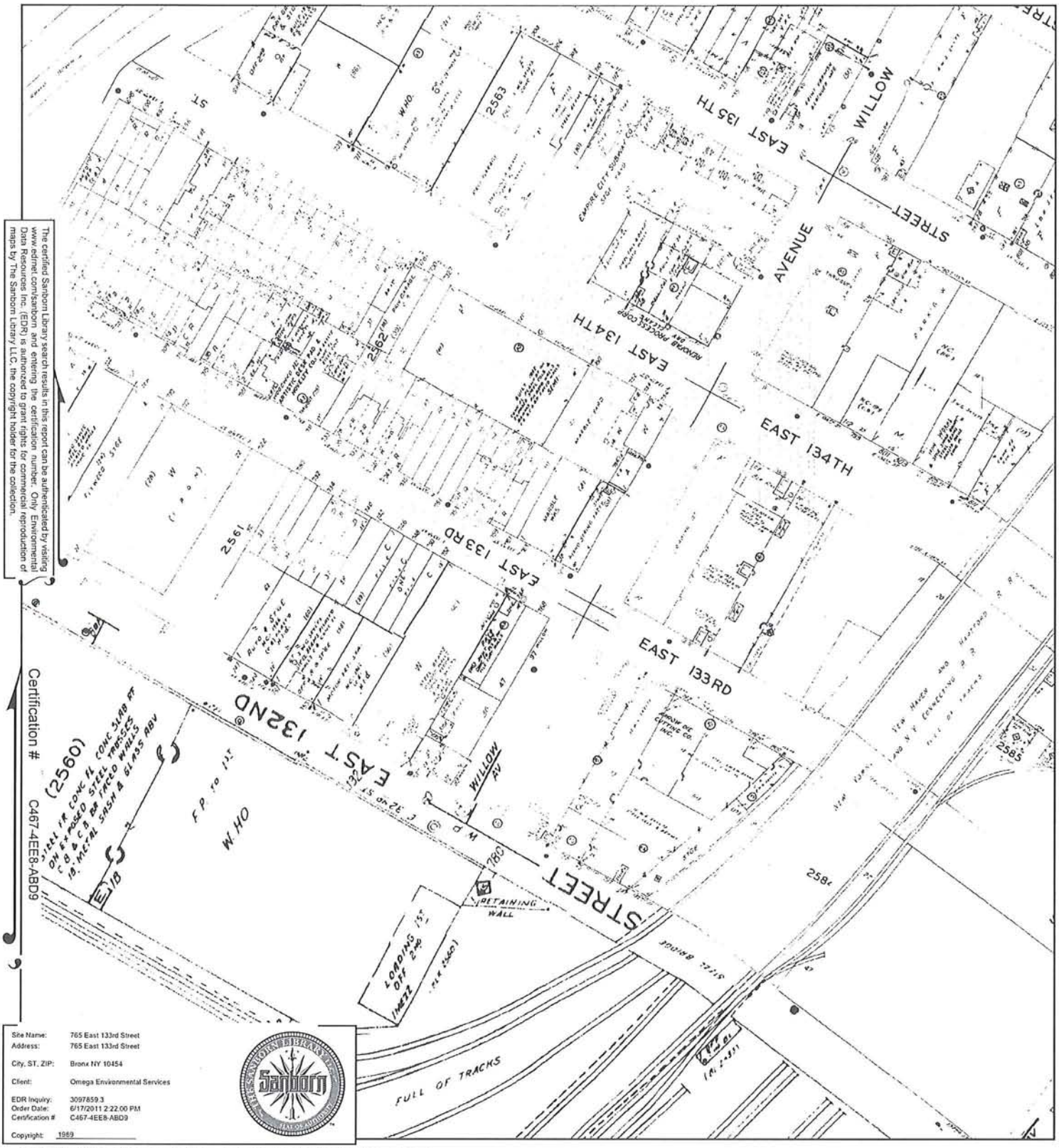

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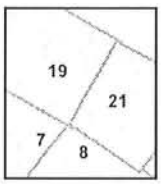

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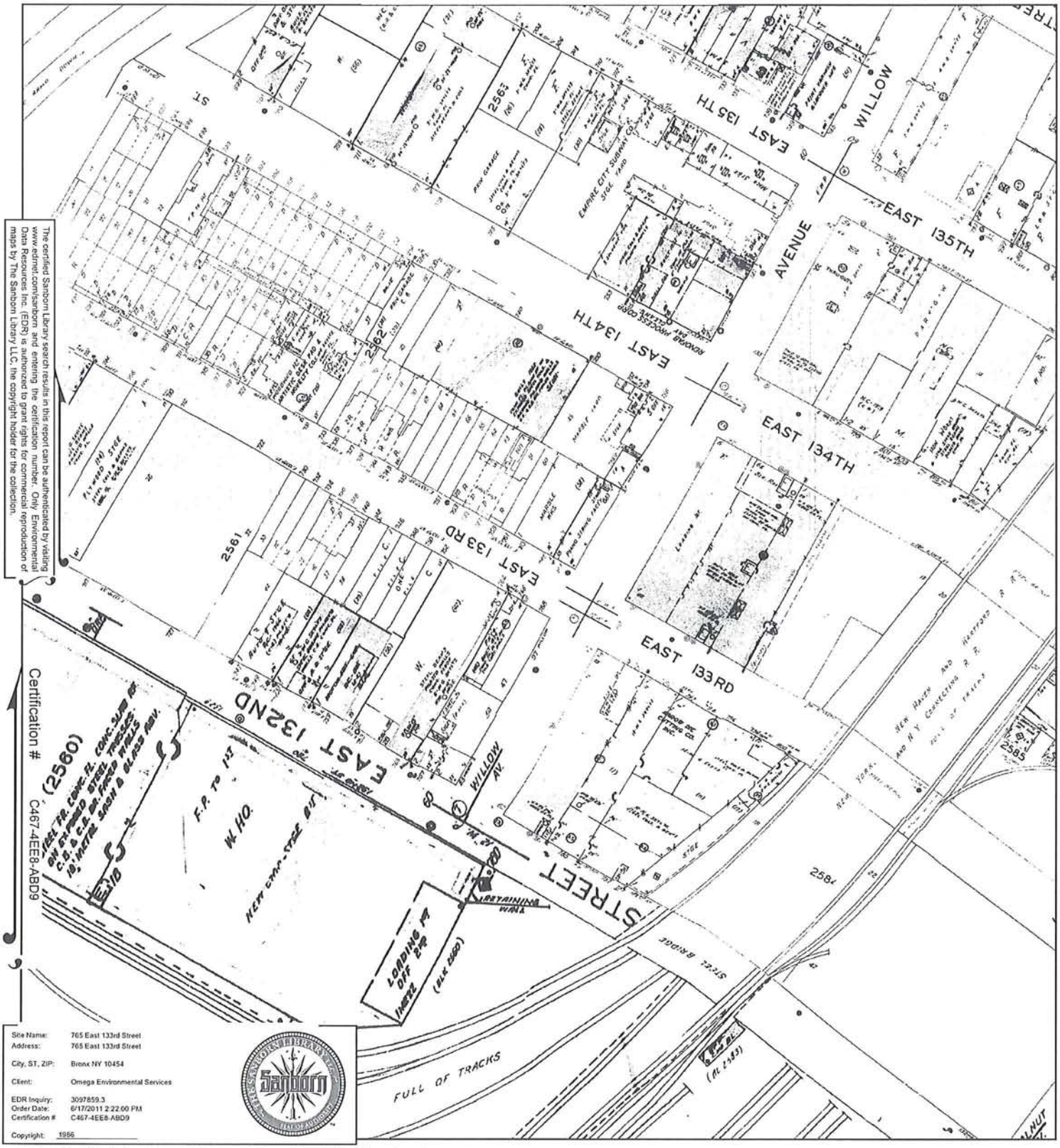
Volume 9S, Sheet 19
Volume 9S, Sheet 21

0 Feet 150 300 600

N

1986 Certified Sanborn Map



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City, ST, ZIP:	Bronx NY 10454
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Certification #	C467-4EE8-ABD9
Copyright:	1986

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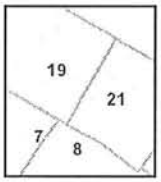
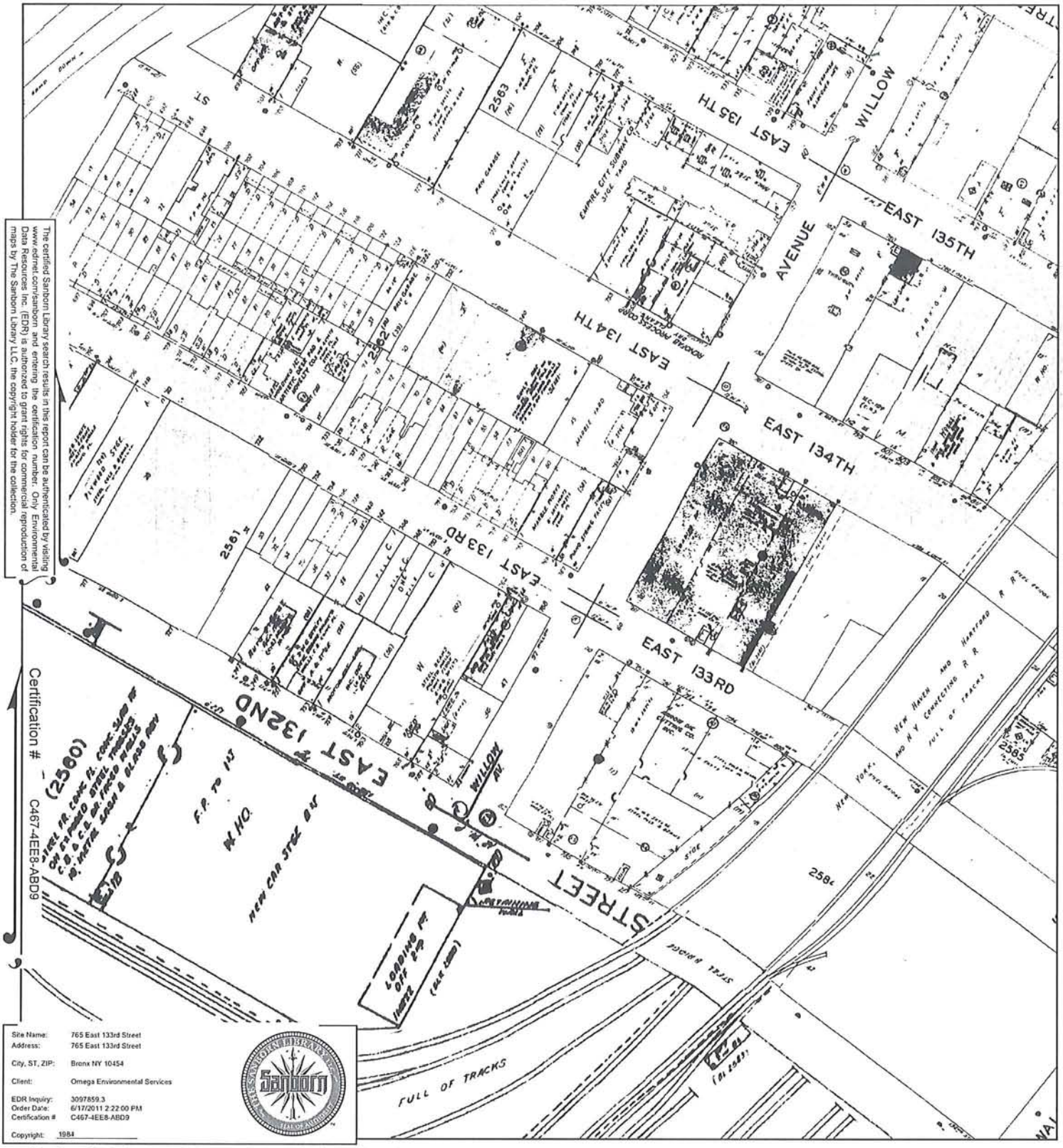


Volume 9S, Sheet 7
Volume 9S, Sheet 8
Volume 9S, Sheet 19
Volume 9S, Sheet 21

0 Feet 150 300 600

N

1984 Certified Sanborn Map



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Copyright:	1984

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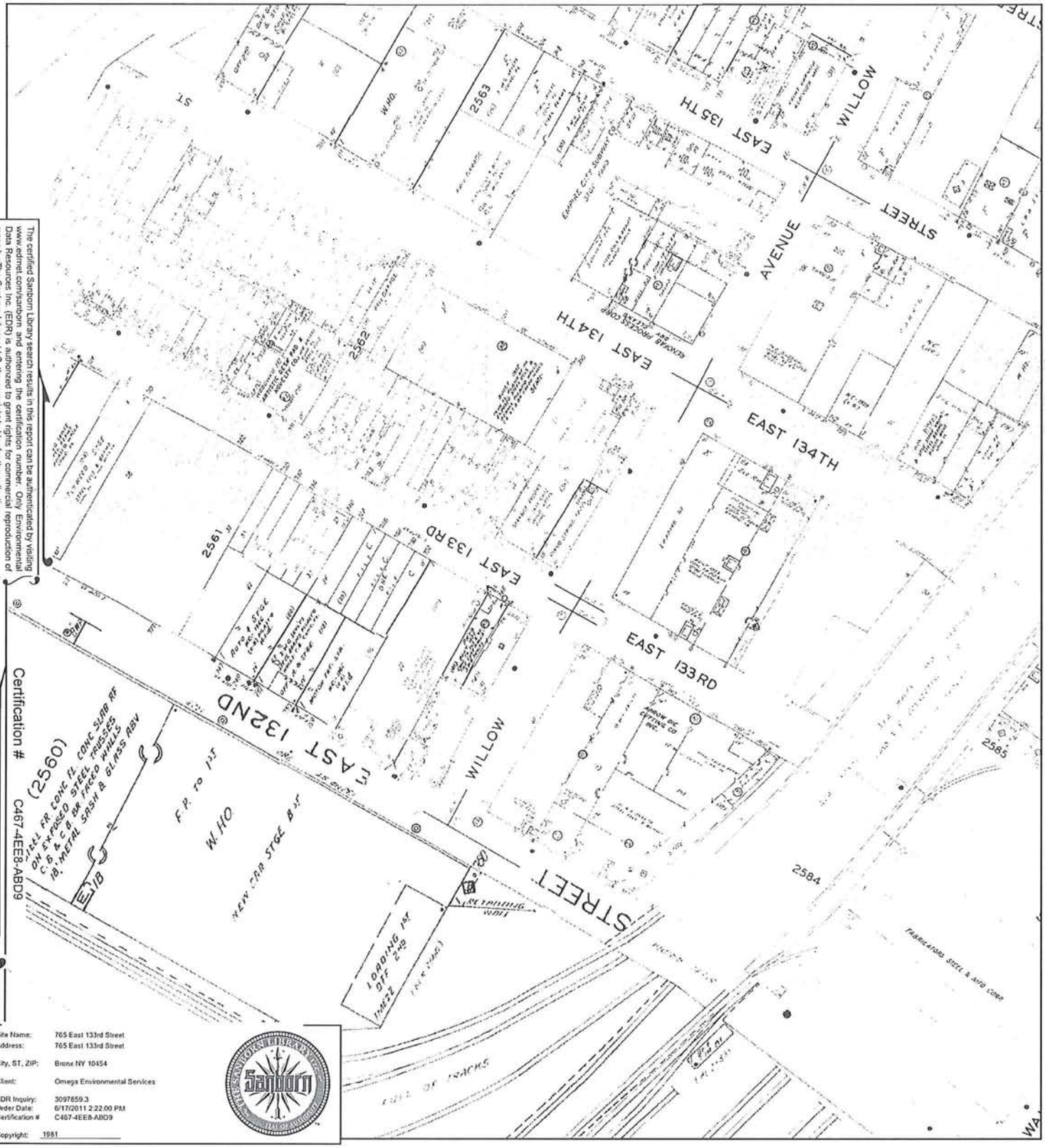
Volume 9S, Sheet 7
Volume 9S, Sheet 8
Volume 9S, Sheet 19
Volume 9S, Sheet 21

0 Feet 150 300 600

N

1981 Certified Sanborn Map



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Copyright:	1981

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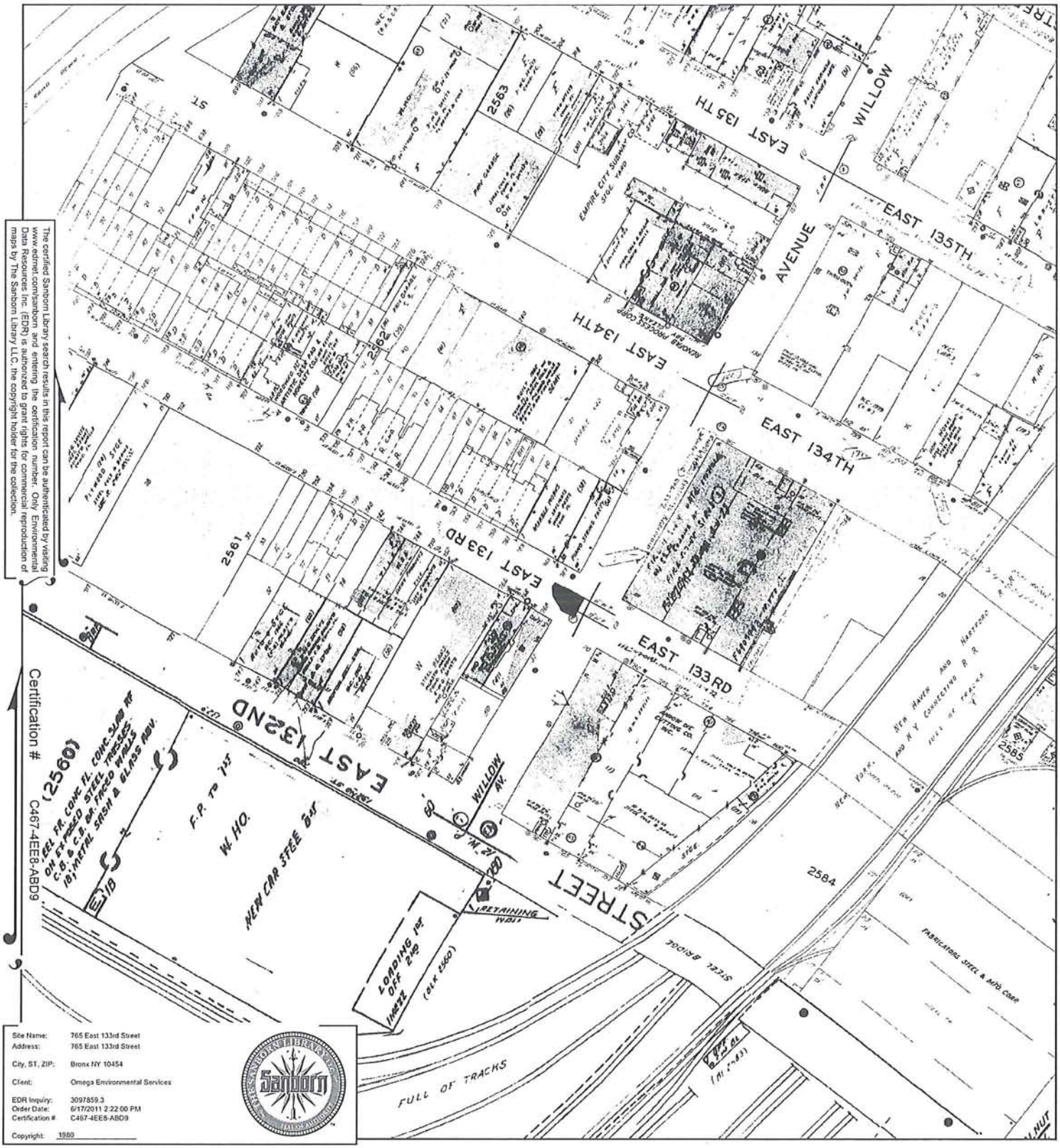
Volume 9S, Sheet 8
Volume 9S, Sheet 21
Volume 9S, Sheet 19

0 Feet 150 300 600

N

1980 Certified Sanborn Map



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Certification #	C467-4EE8-ABD9
Copyright:	1980

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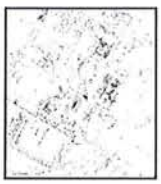
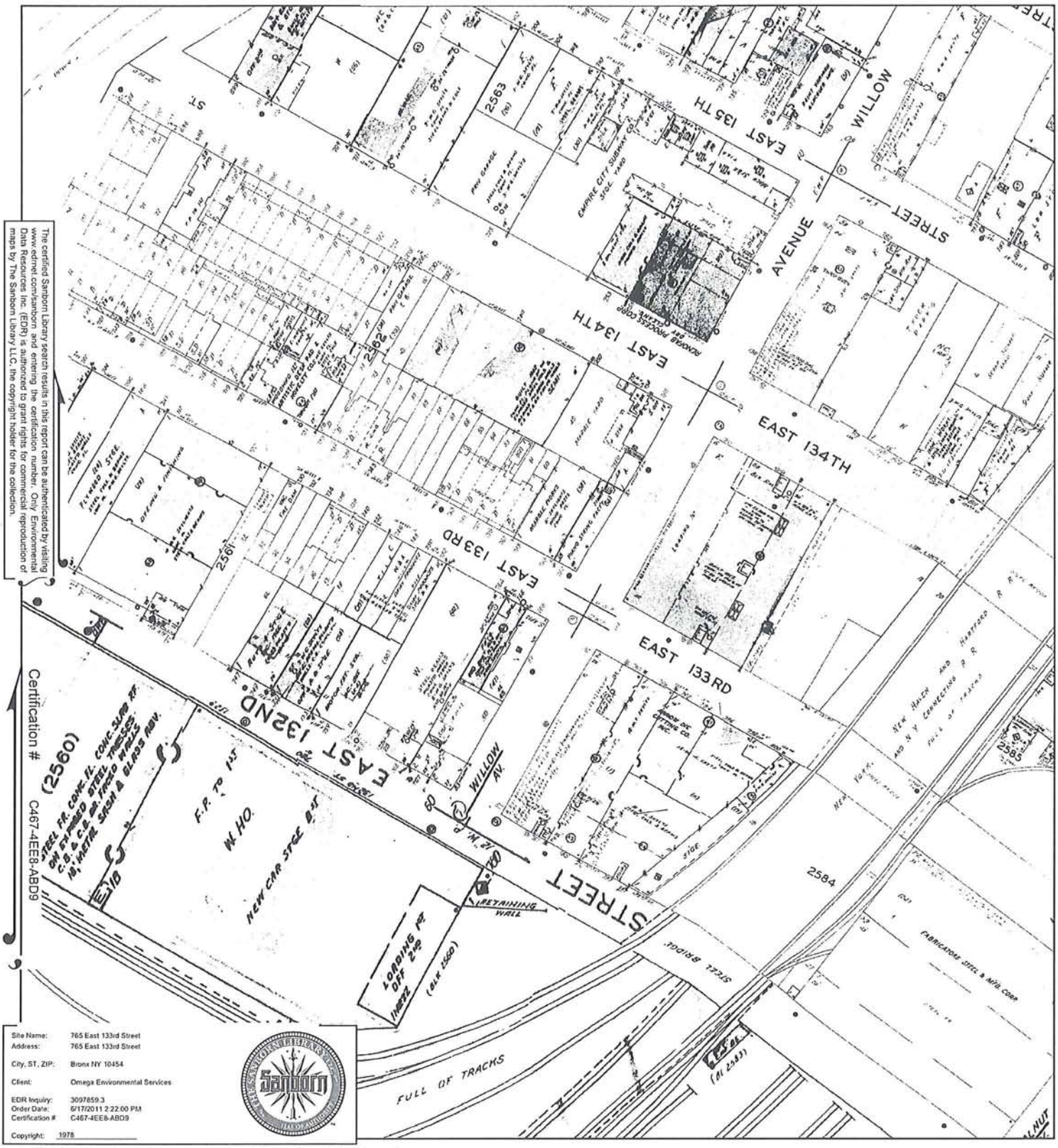


Volume 9S, Sheet 7
Volume 9S, Sheet 8
Volume 9S, Sheet 19
Volume 9S, Sheet 21

0 Feet 150 300 600

N

1978 Certified Sanborn Map



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Certification #	C467-4EE8-ABD9
Copyright:	1978

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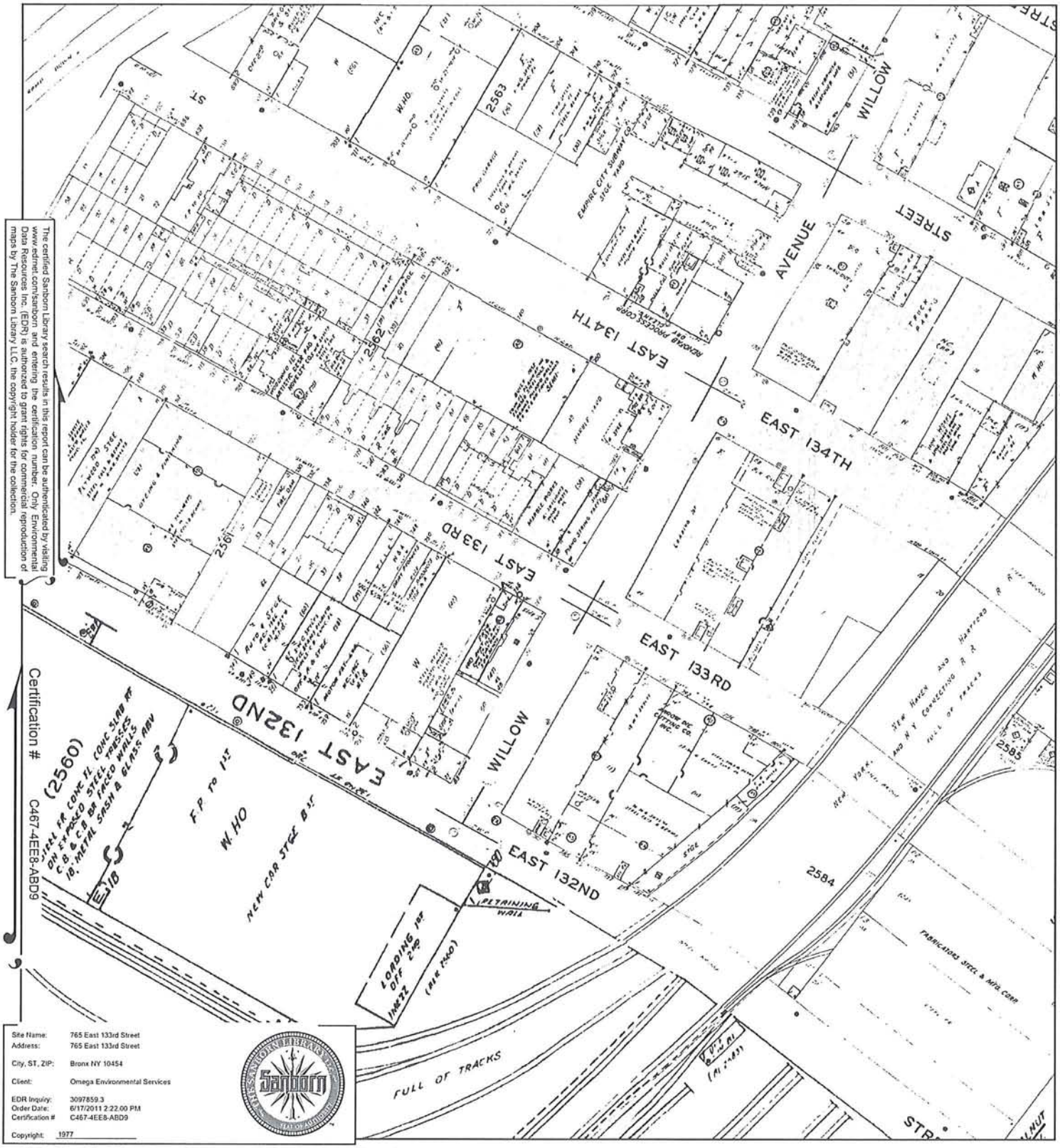
0 Feet 150 300 600

Volume 9S, Sheet 7
Volume 9S, Sheet 8
Volume 9S, Sheet 19
Volume 9S, Sheet 21

N

1977 Certified Sanborn Map



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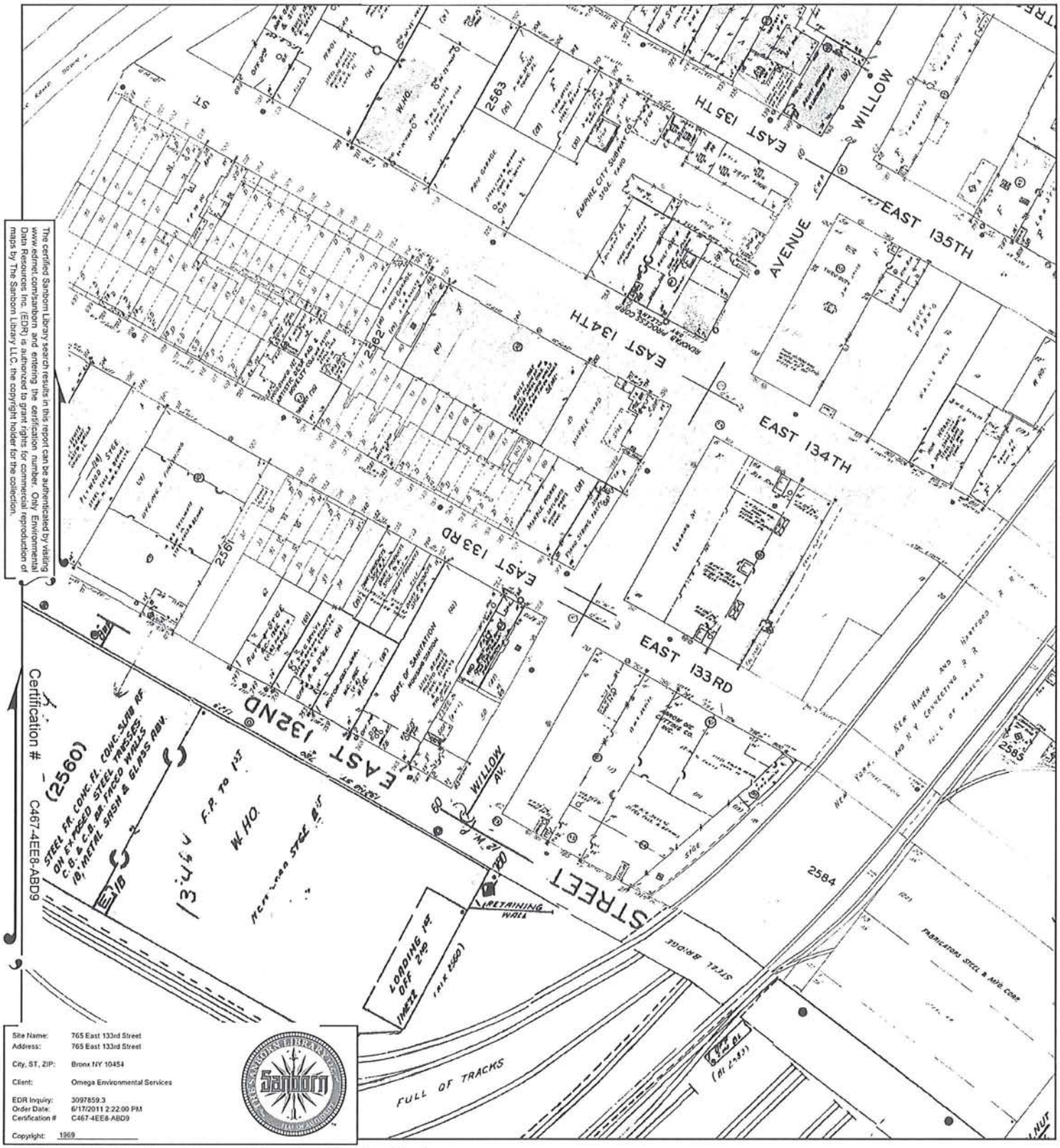
Volume 9S, Sheet 7
Volume 9S, Sheet 8
Volume 9S, Sheet 19
Volume 9S, Sheet 21

0 Feet 150 300 600

N

1969 Certified Sanborn Map



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Certification #	C467-4EE8-ABD9
Copyright:	1969

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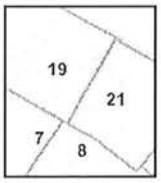
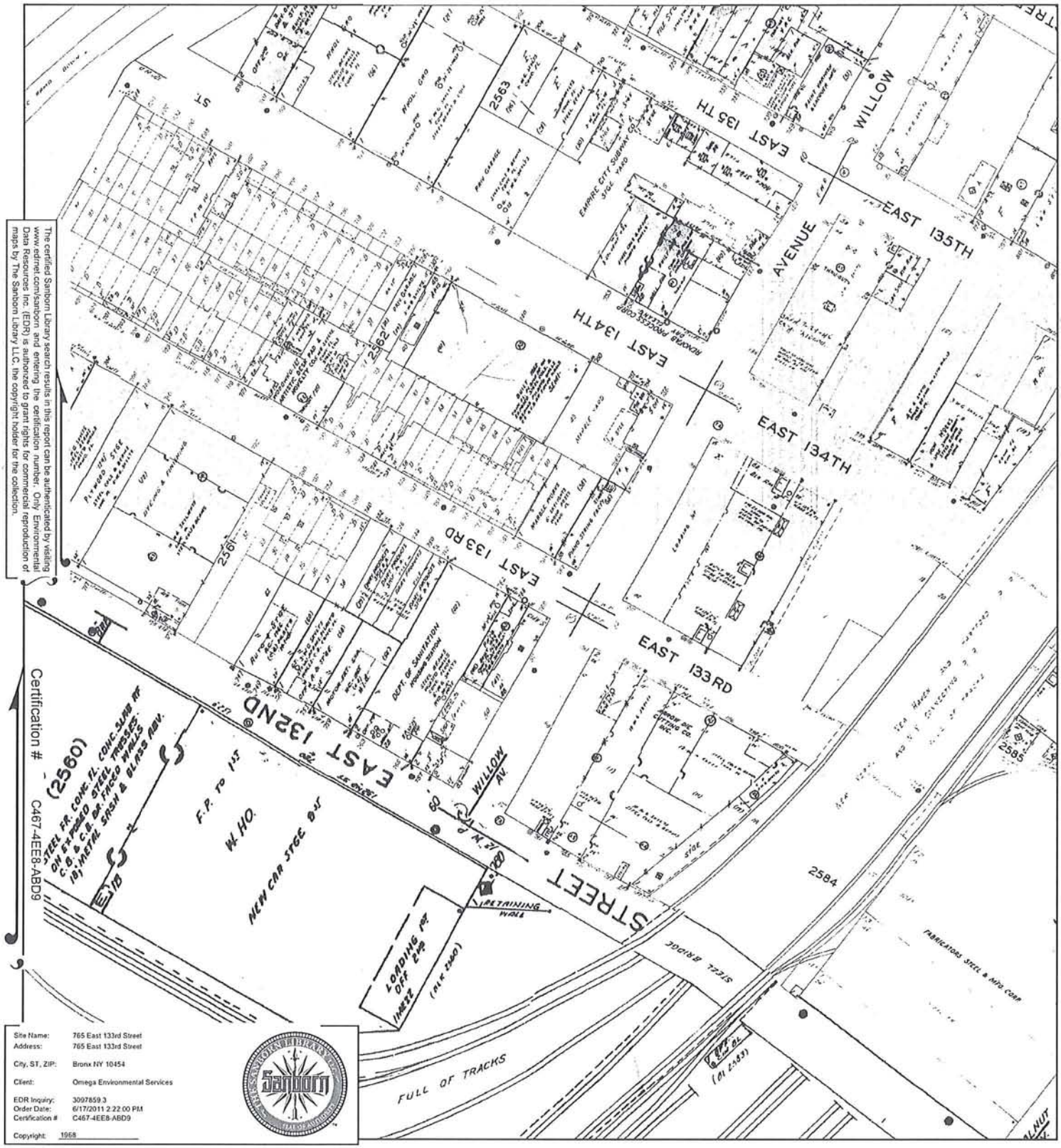
0 Feet 150 300 600



Volume 9S, Sheet 7
Volume 9S, Sheet 8
Volume 9S, Sheet 19
Volume 9S, Sheet 21

N

1968 Certified Sanborn Map



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Certification #	C467-4EE8-ABD9
Copyright:	1968

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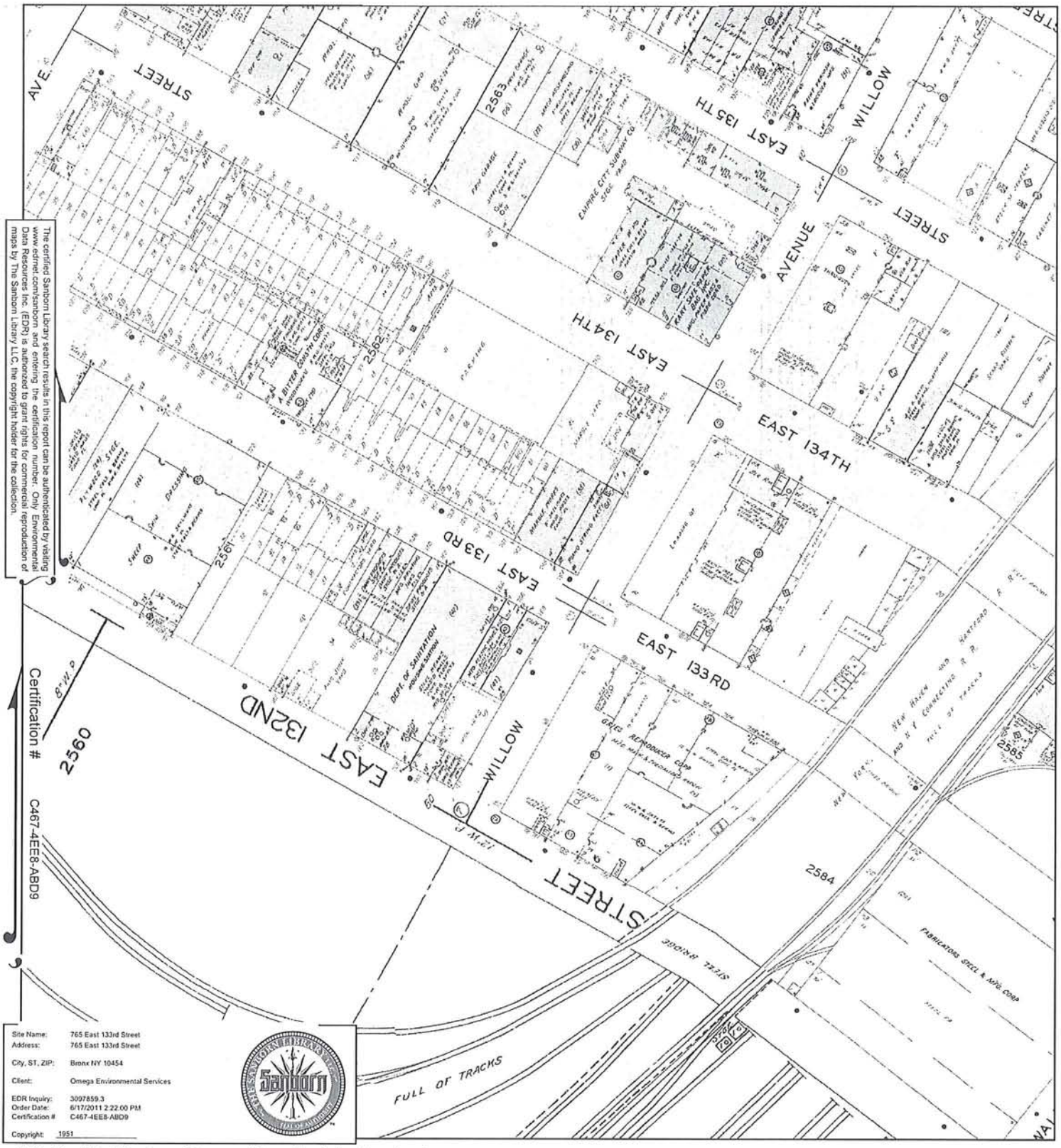
Volume 9S, Sheet 7
Volume 9S, Sheet 8
Volume 9S, Sheet 19
Volume 9S, Sheet 21

0 Feet 150 300 600

N

1951 Certified Sanborn Map



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Certification #	C467-4EE8-ABD9
Copyright:	1951

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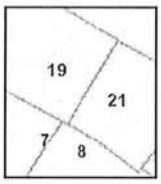
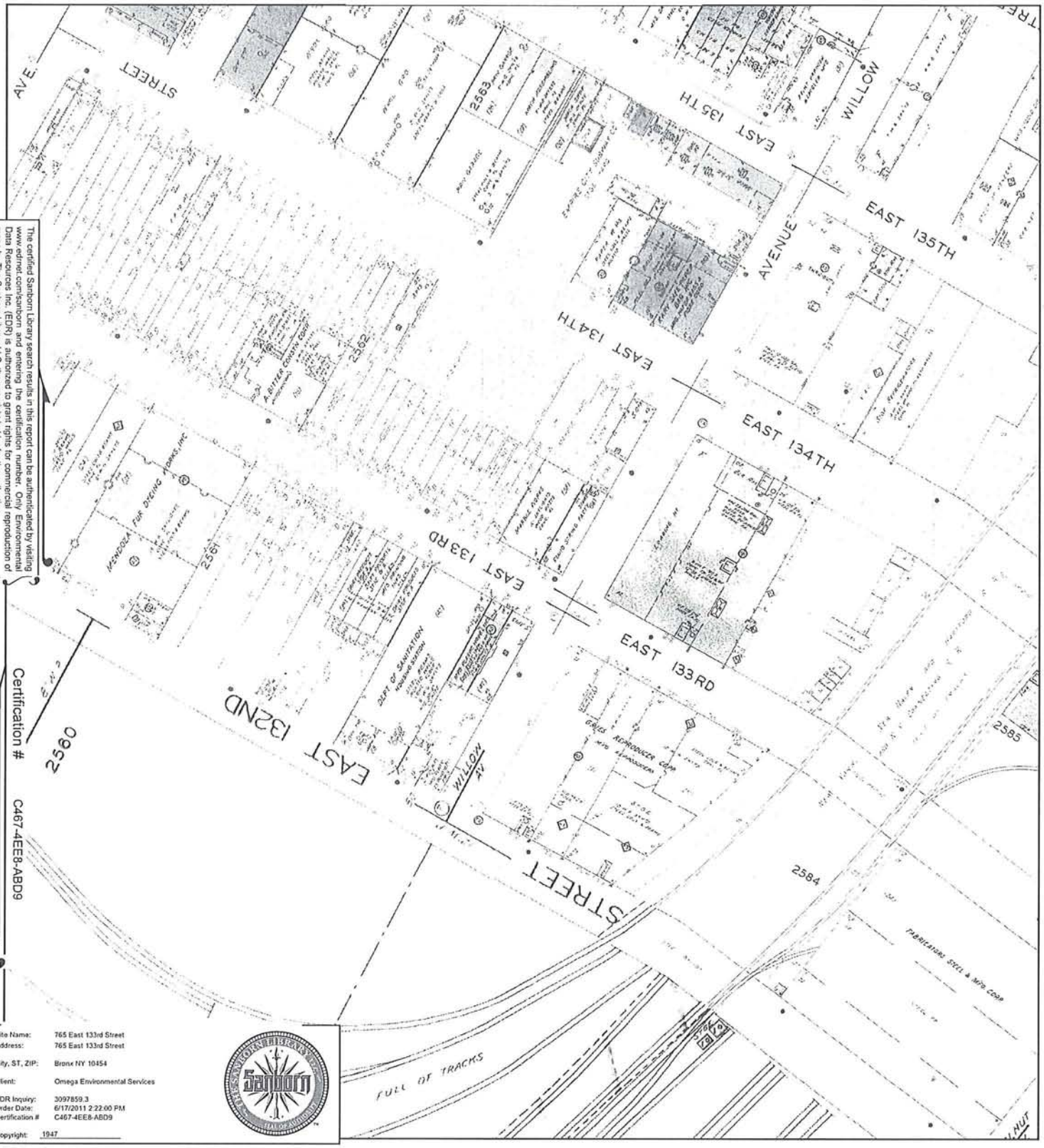


Volume 9S, Sheet 7
Volume 9S, Sheet 8
Volume 9S, Sheet 19
Volume 9S, Sheet 21

0 Feet 150 300 600

N

1947 Certified Sanborn Map



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Client:	Omega Environmental Services
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Order Date:	6/17/2011 2:22:00 PM
Certification #	C467-4EE8-ABD9
Copyright:	1947

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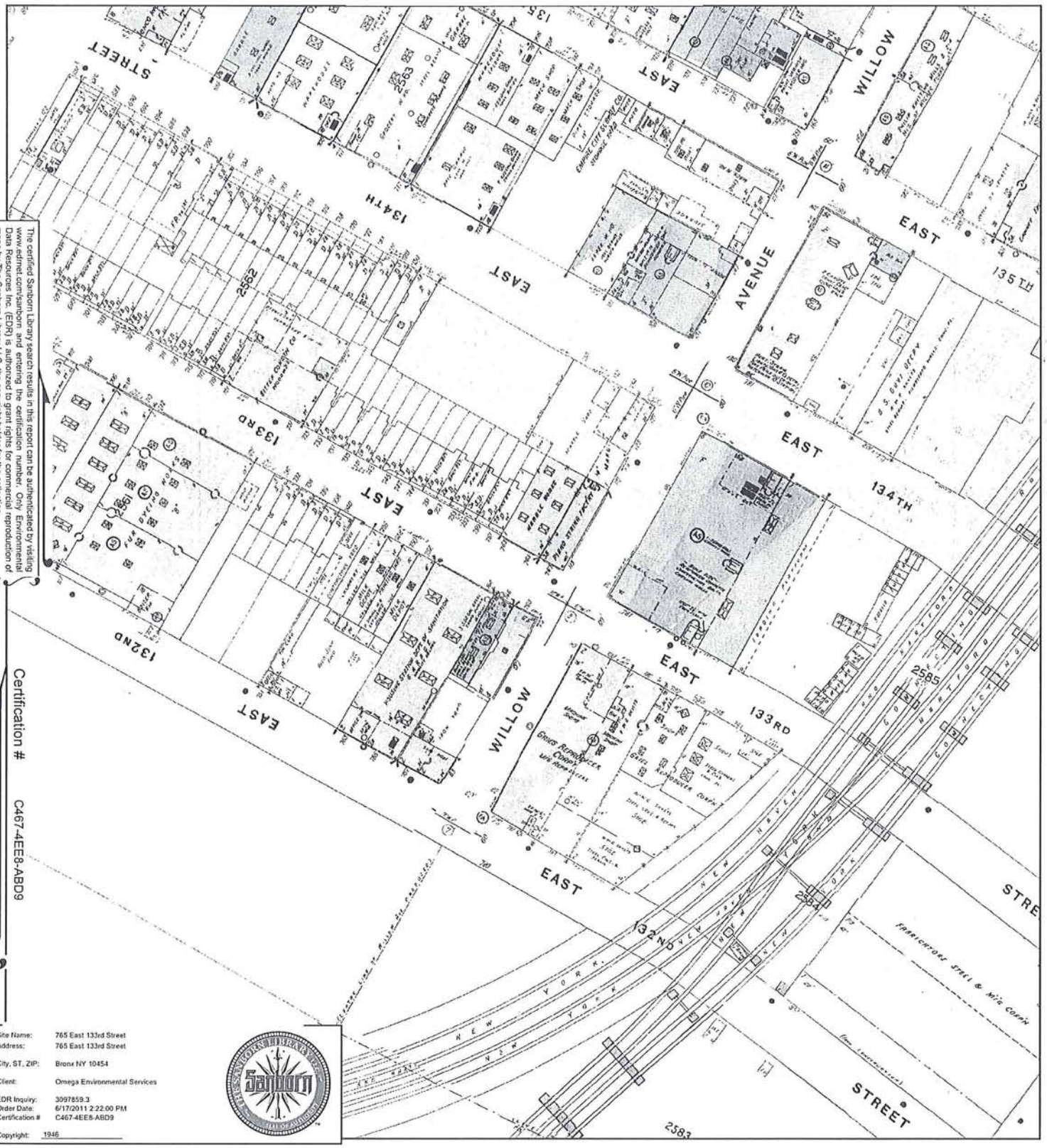
Volume 9S, Sheet 4
Volume 9S, Sheet 5
Volume 9S, Sheet 19
Volume 9S, Sheet 21

0 Feet 150 300 600

N

1946 Certified Sanborn Map



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Order Date:	6/17/2011 2:22:00 PM
Certification #	C467-4EE8-ABD9
Copyright:	1946

This Certified Sanborn Map combines the following sheets.
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Volume 9, Sheet 12
Volume 9, Sheet 13
Volume 9, Sheet 17
Volume 9, Sheet 21

0 Feet 150 300 600

N

1944 Certified Sanborn Map

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Certification #	C467-4EE8-ABD9
Copyright:	1944

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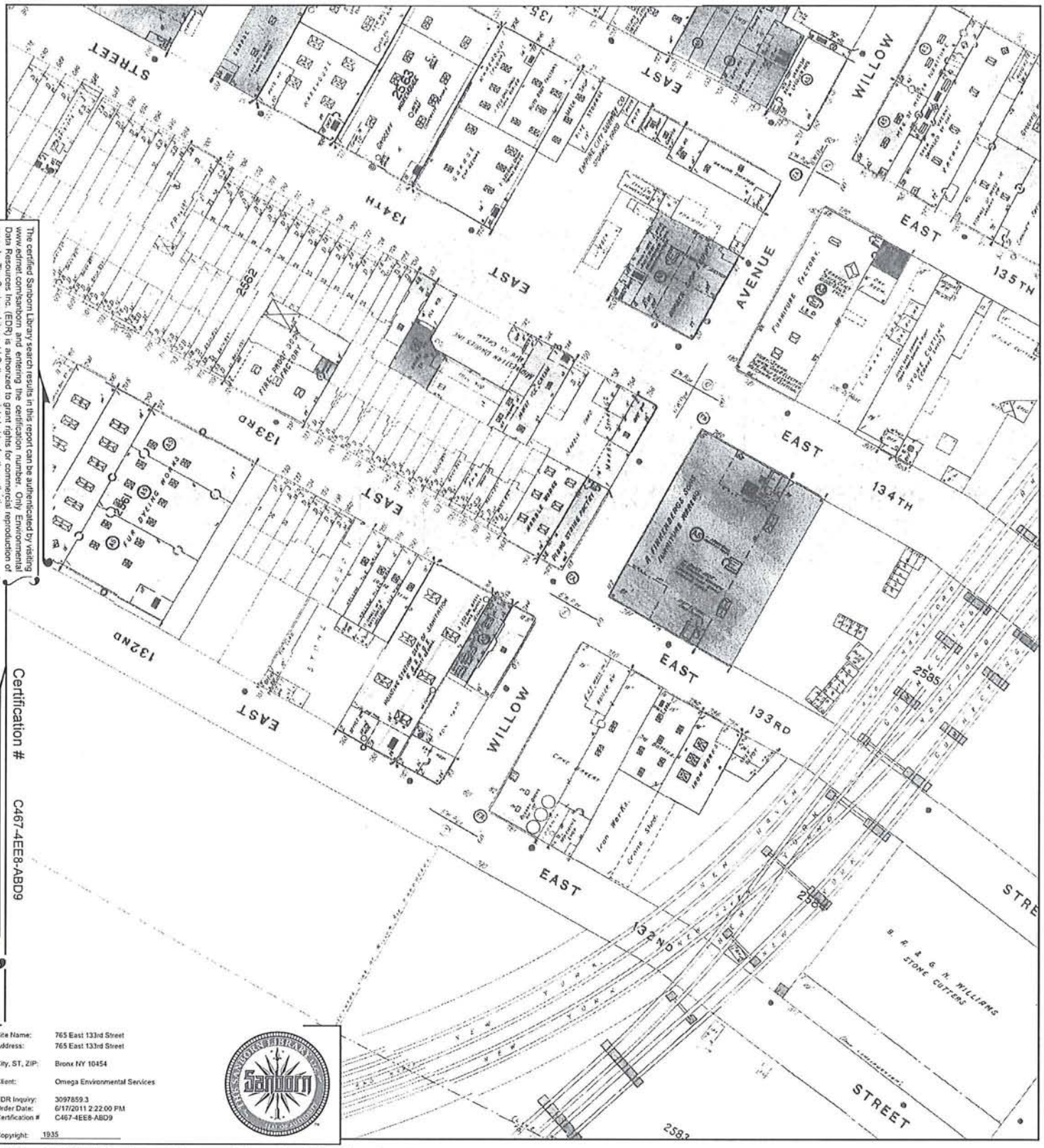
Volume 9, Sheet 12
Volume 9, Sheet 13
Volume 9, Sheet 17
Volume 9, Sheet 21

0 Feet 150 300 600

N

1935 Certified Sanborn Map



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Certification #	C467-4EE8-ABD9

Copyright: 1935

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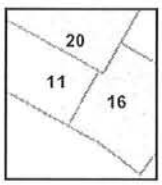
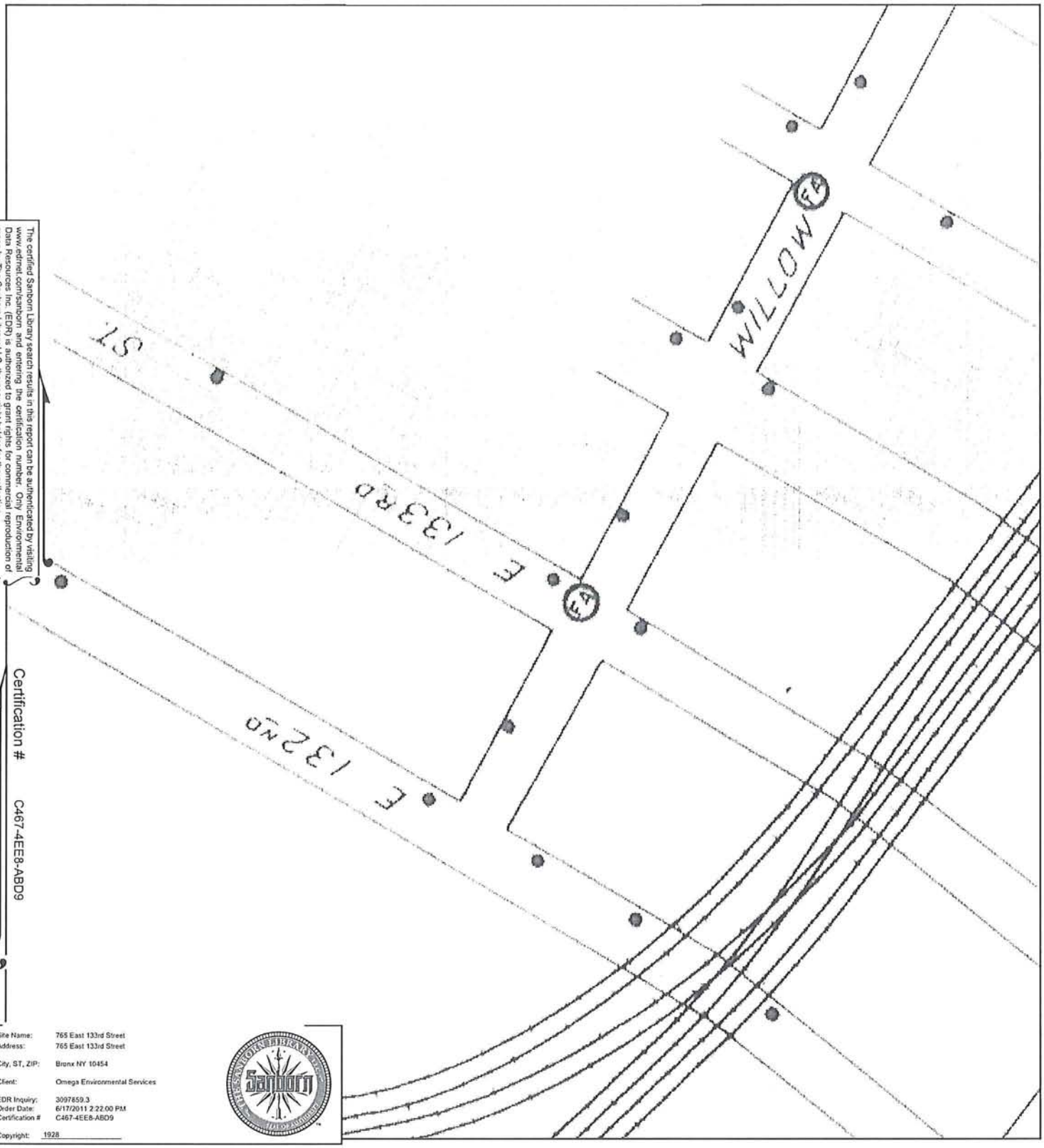


Volume 9, Sheet 11
Volume 9, Sheet 16
Volume 9, Sheet 20

0 Feet 150 300 600

N

1928 Certified Sanborn Map



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Client:	Omega Environmental Services
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Order Date:	6/17/2011 2:22:00 PM
Certification #	C467-4EE8-ABD9
Copyright:	1928

This Certified Sanborn Map combines the following sheets.
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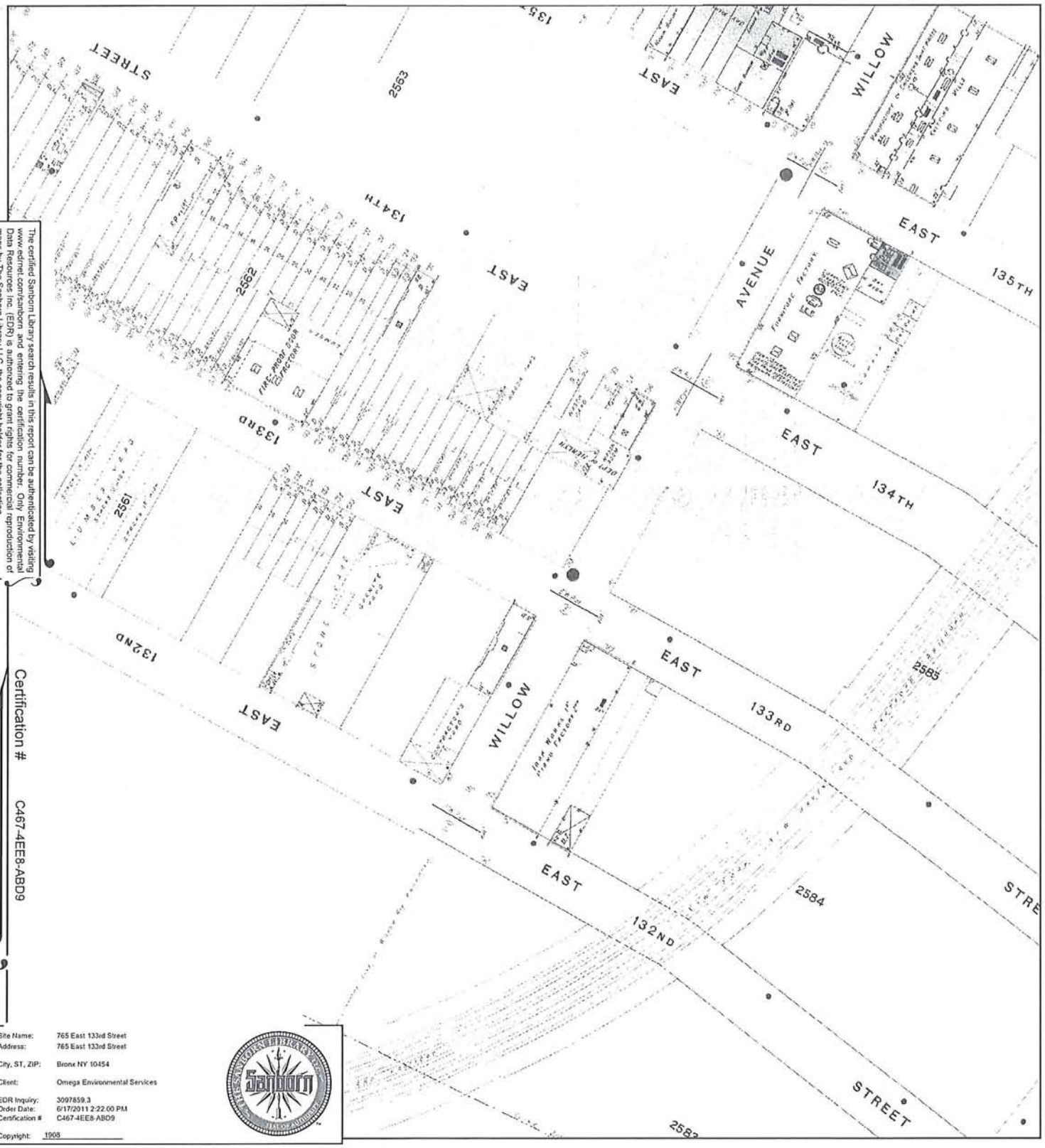
Volume Pier Maps, Sheet 29

0 Feet 150 300 600

N

1908 Certified Sanborn Map



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Certification #	C467-4EE8-ABD9
Copyright:	1908

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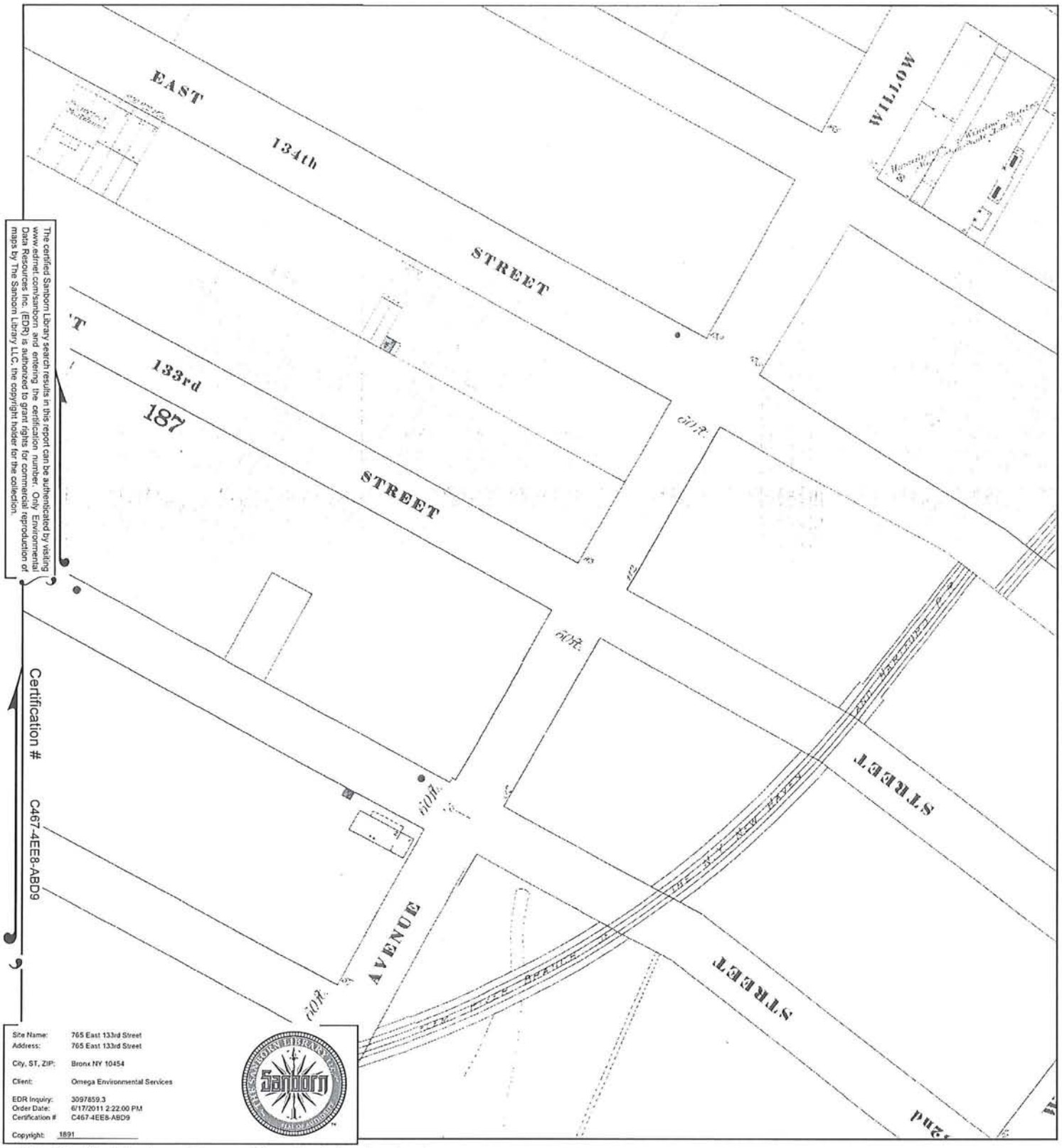
Volume 9, Sheet 12
Volume 9, Sheet 17
Volume 9, Sheet 21

0 Feet 150 300 600

N

1891 Certified Sanborn Map



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Order Date:	6/17/2011 2:22:00 PM
Certification #	C467-4EE8-ABD9
Copyright:	1891

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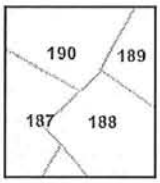

Volume 9, Sheet 187
Volume 9, Sheet 188
Volume 9, Sheet 189
Volume 9, Sheet 190

0 Feet 150 300 600

N

765 East 133rd Street
765 East 133rd Street
Bronx, NY 10454

Inquiry Number: 3097859.4
June 16, 2011

The EDR-City Directory Abstract

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1927 through 2005. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2005	Hill-Donnelly Information Services	-	X	X	-
2000	Cole Information Services	-	X	X	-
1993	New York Telephone	-	X	X	-
1983	New York Telephone	-	X	X	-
1976	New York Telephone Company	-	X	X	-
1971	New York Telephone	-	X	X	-
1965	New York Telephone Company	-	X	X	-
1961	New York Telephone	-	X	X	-
1956	New York Telephone	-	X	X	-
1949	New York Telephone	-	X	X	-
1940	New York Telephone	-	X	X	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	-	X	X	-
1927	New York Telephone	-	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

765 East 133rd Street
Bronx, NY 10454

FINDINGS DETAIL

Target Property research detail.

No Addresses Found

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

E 133

755 E 133

Year	Uses	Source
1993	MIRANDA HECTOR	New York Telephone
1971	ELLIS MARIA MRS	New York Telephone
1965	ELLIS NAILA MRS	New York Telephone Company

757 E 133

Year	Uses	Source
1993	DEPASQUALE JOSEPH	New York Telephone
1983	DEW DROP INN INC	New York Telephone
1976	DEW DROP INN INC	New York Telephone Company
	DEPASQUALE J	New York Telephone Company
1971	DEW DROP INN INC	New York Telephone
1965	DEW DROP INN INC	New York Telephone Company
1961	DEW DROO INN INC	New York Telephone
1956	DEW DROP INN INC	New York Telephone
1949	DEW DROP INN INC	New York Telephone

759 E 133

Year	Uses	Source
1971	HARPER EDW	New York Telephone
1965	HARPER EDW	New York Telephone Company
1956	MCLARNON FRED	New York Telephone

761 E 133

Year	Uses	Source
1976	FOREMAN HENRY	New York Telephone Company
1971	MERCADO ELSA	New York Telephone
1961	PARROTT DOROTHY MRS	New York Telephone
1956	MAUCIONE JOS G	New York Telephone
	BIRMINGHAM JAS	New York Telephone

FINDINGS

766 E 133

Year	Uses	Source
1983	ARDLEY PRINTERS	New York Telephone
	AUTO-LITH BUSINESS SYSTEMS	New York Telephone
	FISHKIND PRESS INC	New York Telephone
	POLYCLINIC PRESS	New York Telephone
	TRIBORO DIRECT MAIL & PRNTNG SVCE	New York Telephone
1976	ARDLEY PRINTERS	New York Telephone Company
	AUTO-LITH BUSINESS SYSTEMS	New York Telephone Company
	FISHKIND PRESS INC	New York Telephone Company
	POLYCLINIC PRESS	New York Telephone Company
	TRIBORO DIRECT MAIL & PRNTNG SVCE	New York Telephone Company
1971	ARDLEY PRINTERS	New York Telephone
	FISHKIND PRESS INC	New York Telephone
	TRIBORO DIRECT MARL & PRNTNG SVCE	New York Telephone
1965	ARDLEY PRINTERS	New York Telephone Company
	FISHKIND PRESS INC	New York Telephone Company
	TRIBORO DIRECT MAIL & PRNTNG SVCE	New York Telephone Company
1961	ARDLEY PRINTERS	New York Telephone
	TRIBORO DIRECT MAIL & PRNTNG SVCE	New York Telephone
1956	PEARL PLASTIC CORP	New York Telephone
	SUPERIOR IVORY NEVELTY CO	New York Telephone
1949	SUPERIOR IVORY NOVLTY CO	New York Telephone

767 E 133

Year	Uses	Source
1983	EASTERN DEPOT INC	New York Telephone
1976	BARZEL AUTOMOTIVE PARTS & EQUIPT CO	New York Telephone Company
1971	MOYA BIEMBENIDO	New York Telephone
	MAPES PIANO STRING CO THE	New York Telephone
1965	MAPES PIANO STRING CO THE	New York Telephone Company
1961	MAPES PIANO STRING CO THE	New York Telephone
1956	MAPES PIANO STRING CO THE	New York Telephone
1949	MAPES PIANO STRING CO THE	New York Telephone

FINDINGS

768 E 133

Year	Uses	Source
1976	PETE S LUNCH BAR	New York Telephone Company
1971	PETE S LUNCH BAR	New York Telephone
1965	PETE S LUNCH BAR	New York Telephone Company
1961	PETES LUNCH BAR	New York Telephone
1956	PETE S LUNCH BAR	New York Telephone
1949	MPAKARAKES P LUNCH	New York Telephone

771 E 133

Year	Uses	Source
1949	FINKENBERG S A SONS INC EXEC OFCS	New York Telephone

E 133RD

755 E 133RD

Year	Uses	Source
1927	De Pasquale A r	New York Telephone

759 E 133RD

Year	Uses	Source
1927	Hunter Paul r	New York Telephone

760 E 133RD

Year	Uses	Source
1931	Thaler Chas tchr P S	Manhattan and Bronx Directory Publishing Company Residential Directory

761 E 133RD

Year	Uses	Source
1931	Ceburre Hames H	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Migliacci Angelia F r	New York Telephone

763 E 133RD

Year	Uses	Source
1931	Fuller Harry	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Miller Druck Co marble wks	New York Telephone

FINDINGS

766 E 133RD

Year	Uses	Source
1927	Varlac Chemical Corp	New York Telephone

767 E 133RD

Year	Uses	Source
1927	Schaff John A piano wires	New York Telephone

768 E 133RD

Year	Uses	Source
1927	Scangis & Litsis lunch	New York Telephone

E 133RD ST

755 E 133RD ST

Year	Uses	Source
2005	757 759 NCL	Hill-Donnelly Information Services
2000	M DEPASQUALE	Cole Information Services
	VIOLA G ALLEN	Cole Information Services

WILLOW

101 WILLOW

Year	Uses	Source
1965	MCMAHON MARK	New York Telephone Company

109 WILLOW

Year	Uses	Source
1965	MARSH DONALD R	New York Telephone Company

112 WILLOW

Year	Uses	Source
1965	MCINTOSH WM H	New York Telephone Company

73 WILLOW

Year	Uses	Source
1965	MCARDLE PATK J	New York Telephone Company

77 WILLOW

Year	Uses	Source
1965	MCELHENY HUGH	New York Telephone Company

FINDINGS

WILLOW AVE

112 WILLOW AVE

Year	Uses	Source
1976	PAVANNE	New York Telephone Company
1971	PAVANNE	New York Telephone
1965	MCDUFF LEATHERWARES INC	New York Telephone Company
	SIRCO PRODS CO INC	New York Telephone Company
	BARTOLI INC	New York Telephone Company
	SIRCO PRODS CO INC	New York Telephone Company

82 WILLOW AVE

Year	Uses	Source
1927	Grossman Bros & Rosenbaum iron wks	New York Telephone
	Dalton Tool Corp	New York Telephone

97 WILLOW AVE

Year	Uses	Source
1976	SUAREZ MARY	New York Telephone Company
	OTERO JESUS	New York Telephone Company
	ROBERTS MITCHELL	New York Telephone Company
1971	RODRIGUEZ JAMES	New York Telephone
	ROBERTS MITCHELL	New York Telephone
1965	OLIVER FRANK	New York Telephone Company
	VELEZ RAUL	New York Telephone Company
	MEYER WM L	New York Telephone Company
	PIKE JOHN J	New York Telephone Company
1961	GAYNOR THOS D	New York Telephone
	MEYER WM J	New York Telephone
	PIKE JOHN J	New York Telephone
1956	MCQUADE CHAS	New York Telephone
	LESKO ROBT	New York Telephone
	LE CAMP YVONNE	New York Telephone
	LE CAMP H MRS	New York Telephone
	KOENIGSFELD HELEN MRS	New York Telephone
	FAULDS SAML	New York Telephone
	DE PALMA FRANK	New York Telephone
	CROWLEY CHAS P	New York Telephone
	RESCINITI VINCENT A	New York Telephone
	MEYER WM J	New York Telephone

FINDINGS

Year	Uses	Source
1956	STOCKDALE MILTON J	New York Telephone
1949	STOCKDALE MILTON J	New York Telephone
	SHARAGA LESLIE A	New York Telephone
	O REGAN PETER J	New York Telephone
	O CONNELL THOS P	New York Telephone
	BERTSCH WM C MRS	New York Telephone
1931	Madigan Pat	Manhattan and Bronx Directory Publishing Company Residential Directory
	Hanratty Pat	Manhattan and Bronx Directory Publishing Company Residential Directory
	Hanratty Jas	Manhattan and Bronx Directory Publishing Company Residential Directory
	Hanratty Bernard	Manhattan and Bronx Directory Publishing Company Residential Directory
	Cahill Thos	Manhattan and Bronx Directory Publishing Company Residential Directory

98 WILLOW AVE

Year	Uses	Source
1940	Sadacca Leon biscuits	New York Telephone
	Vita Bran Corp biscuits	New York Telephone

WILLOW LN

108 WILLOW LN

Year	Uses	Source
1927	Residence Bklyn	New York Telephone
	Meisel Albert W lwyr	New York Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
765 East 133rd Street	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
101 WILLOW	2005, 2000, 1993, 1983, 1976, 1971, 1961, 1956, 1949, 1940, 1931, 1927
108 WILLOW LN	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931
109 WILLOW	2005, 2000, 1993, 1983, 1976, 1971, 1961, 1956, 1949, 1940, 1931, 1927
112 WILLOW	2005, 2000, 1993, 1983, 1976, 1971, 1961, 1956, 1949, 1940, 1931, 1927
112 WILLOW AVE	2005, 2000, 1993, 1983, 1961, 1956, 1949, 1940, 1931, 1927
73 WILLOW	2005, 2000, 1993, 1983, 1976, 1971, 1961, 1956, 1949, 1940, 1931, 1927
755 E 133	2005, 2000, 1983, 1976, 1961, 1956, 1949, 1940, 1931, 1927
755 E 133RD	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931
755 E 133RD ST	1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927
757 E 133	2005, 2000, 1940, 1931, 1927
759 E 133	2005, 2000, 1993, 1983, 1976, 1961, 1949, 1940, 1931, 1927
759 E 133RD	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931
760 E 133RD	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1927
761 E 133	2005, 2000, 1993, 1983, 1965, 1949, 1940, 1931, 1927
761 E 133RD	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940
763 E 133RD	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940
766 E 133	2005, 2000, 1993, 1940, 1931, 1927
766 E 133RD	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931
767 E 133	2005, 2000, 1993, 1940, 1931, 1927
767 E 133RD	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931
768 E 133	2005, 2000, 1993, 1983, 1940, 1931, 1927
768 E 133RD	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931

FINDINGS

Address Researched	Address Not Identified in Research Source
77 WILLOW	2005, 2000, 1993, 1983, 1976, 1971, 1961, 1956, 1949, 1940, 1931, 1927
771 E 133	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1940, 1931, 1927
82 WILLOW AVE	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931
97 WILLOW AVE	2005, 2000, 1993, 1983, 1940, 1927
98 WILLOW AVE	2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1931, 1927

16.6 Additional Documentation

Ω *Omega Environmental Services, Inc. 280 Huyler Street • South Hackensack, NJ 07606 • Tel: (201) 489-8700 • Fax: (201) 342-5412*

765 E. 133rd.St., Bronx, NY

NYCityMap

NYC E-Designation Sites (E)

NYS Open Petroleum Spill Locations

NYS Chemical Bulk Storage Sites (CBS)

NYS Petroleum Bulk Storage Sites (PBS)

NYS Resource Conservation & Recovery Act Facilities (RCRA)

NYS Solid Waste Facilities (SW)

E-143

DEPARTMENT OF CITY PLANNING
CITY OF NEW YORK

OFFICE OF THE CHAIR

NEGATIVE DECLARATION

October 4, 2004

Project Identification
CEQR No. 05DCP005X
ULURP No. 050120ZMX

Lead Agency
City Planning Commission
22 Reade Street
New York, NY 10007
Contact: Robert Dobruskin
(212) 720-3423

SEQRA Classification: Type I

Name, Description, and Location of Proposal:

Port Morris/ Bruckner Boulevard Rezoning:
The New York City Department of City Planning is proposing a zoning map amendment affecting Bronx Community District 1. The DCP has proposed a zoning map amendment for the area adjacent to the existing Special Mixed Use District, generally bounded by Park Avenue to the west, Willow Avenue to the east, East 134th Street to the north and the Harlem River to the south. The proposed zoning map amendment would expand the adjacent existing Port Morris Special Mixed Use District, MX-1, as follows:

- A change from **M1-2 and R6** to **M1-2/R6A (MX-1)**: four blocks zoned M1-2, and three lots zoned R6 (comprising a designated City Park and the access ramp to the Triborough Bridge), together generally bounded by East 134th Street, Brown Place, Bruckner Boulevard, and Willow Avenue.

- A change from **M2-1** to **M1-3/R8 (MX-1)**: two blocks generally bounded by East 134th Street to the north, Park Avenue to the west, Third and Lincoln Avenues to the east and the Harlem River to the south.

- A change from **M1-2 and M3-1** to **M1-5/R8A (MX-1):** five blocks zoned M1-2, generally bounded by Bruckner Boulevard to the north, Lincoln Avenue to the west, St. Anns Avenue to the east and East 132nd Street to the south; and one lot zoned M3-1, south of East 132nd Street on Willis Avenue.

Amanda M. Burden, AICP, *Chair*
22 Reade Street, New York, N.Y. 10007-1216
(212) 720-3200 FAX (212) 720-3219
nyc.gov/planning

The proposed rezoning action requires City Planning Commission (CPC) and City Council approvals through the Uniform Land Use Review Procedure (ULURP).

Sites expected to be developed as a result of the proposed action include 13 projected development sites. There are 28 potential development sites that are considered less likely to be developed. Under the proposed action, it is projected that approximately 412 dwelling units and 341,413 square feet of commercial and industrial floor area could be developed by 2014. In the future absent the proposed action, no new dwelling units would be permitted and approximately 551,739 square feet of commercial and industrial floor area could be developed by 2014.

To avoid the potential for hazardous materials impacts, the proposed rezoning includes (E) designations for hazardous materials on all of the identified projected and potential development sites. Accordingly, (E) designations will be mapped on the following parcels:

Block 2260, Lots 1, 4, 10, 17, 18, 19, 34, 38, 180
Block 2261, Lots 3, 5, 9, 15, 22, 23, 27, 30, 32, 48, 49, 50, 51, 55, 62
Block 2277, Lots 1, 2, 5, 10, 78, 82, 94
Block 2295, Lots 49, 51, 67, 71
Block 2308, Lots 1, 5, 18
Block 2316, Lot 1
Block 2319, Lots 2, 55, 98, 100, 109, 120
Block 2546, Lots 98, 99, 100, 135, 137, 138, 140
Block 2562, Lots 17, 21, 25, 40, 65, 66, 67, 68

The (E) designation for hazardous materials would ensure that sampling and remediation take place where hazardous material contamination may exist and would avoid any significant impacts related to hazardous materials at these locations.

Contamination on (E) designated sites can be classified as "petroleum based" or "non-petroleum based." The NYCDEP has developed protocols for both petroleum and non-petroleum based (E) designated sites that are required to be followed in order to address possible contamination.

The text for (E) designations is as follows:

(E) Designations for Petroleum Based and Non-Petroleum Based Contamination
The following tasks must be undertaken by the fee owner(s) of the lot, which is restricted by this (E) designation. They must be completed prior to any demolition or excavation activities on the lot for the proposed development. These tasks must be completed in order to determine if contamination exists on the aforementioned designated sites, as well as to ensure the completion of any appropriate remediation prior to occupancy.

Task 1-Sampling Protocol

A. Petroleum

A soil, soil gas, and groundwater testing protocol (including a description of methods), and a site map with all sampling location represented clearly and precisely, must be submitted to the NYCDEP by the fee owner(s) of the lot which is restricted by this (E) designation, for review and approval.

A site map with the sampling locations clearly identified and a testing protocol with a description of methods, for soil, soil gas, and groundwater, must be submitted by the fee owner(s), of the lot which is restricted by the (E) designation, to the NYCDEP for review and approval.

B. Non-Petroleum

The fee owner(s) of the lot restricted by this (E) designation will be required to prepare a scope of work for any sampling and testing needed to determine if contamination exists and to what extent remediation may be required. The scope of work will include all relevant supporting documentation, including site plans and sampling locations. This scope of work will be submitted to NYCDEP for review and approval prior to implementation. It will be reviewed to ensure that an adequate number of samples will be collected and that appropriate parameters are selected for laboratory analysis. For all non-petroleum (E) designated sites, the three generic NYCDEP soil and ground-water sampling protocols should be followed.

A scope of work for any sampling and testing to be completed, which will determine the extent of on-site contamination and the required remediation, must be prepared by the fee owner(s) of the lot restricted by this (E) designation. The scope of work will include the following: site plans, sampling locations, and all other relevant supporting documentation. The scope of work must be submitted to the NYCDEP for review and confirmation that an adequate testing protocol (i.e., number of samples collected, appropriate parameters for laboratory analysis) has been prepared. The NYCDEP must approve the scope of work before it can be implemented.

For non-petroleum (E) designated sites, one of the three generic soil and groundwater sampling protocols prepared by the NYCDEP should be followed.

The protocols are based on three types of releases to soil and groundwater sampling protocols prepared by the NYCDEP should be followed.

The protocols are based on three types of releases to soil and groundwater, including: the release of a solid hazardous material to ground surface; the release of a liquid hazardous material to the ground surface; and the release of a hazardous material to the subsurface (i.e., storage tank or piping). The type of release defines the areas of soil to be sampled from surface, near-surface, to subsurface. Additionally, it determines the need for groundwater sampling.

A written approval of the sampling protocol must be received from the NYCDEP before commencement of sampling activities. Sample site quantity and location should be determined so as to adequately characterize the site, the source of contamination, and the condition of the remainder of the site. After review of the sampling data, the characterization should b\have been complete enough to adequately determine what remediation strategy (if any) is necessary. Upon request, NYCDEP will provide guidelines and criteria for choosing sampling sites and performing sampling.

Finally, a Health and Safety Plan must be devised and approved by the NYCDEP before the commencement on any on-site activities.

Task 2-Remediation Determination and Protocol

After sample collection and laboratory analysis have been completed on the soil and/or groundwater samples collected in Task 1, a summary of the data and findings in the form of a written report must be presented to the NYCDEP for review and approval. The NYCDEP will provide a determination as to whether remediation is necessary.

If it is determined that no remediation activities are necessary, a written notice will be released to that effect. However, if it is the NYCDEP's determination that remediation is necessary the fee owner(s) of the lot restricted by the (E) designation must submit a proposed remediation plan to the NYCDEP for review and approval. Once approval has been obtain, and the work completed, the fee owner(s) of the lot restricted by the (E) designation must provide proof to the NYCDEP that the work has been completed satisfactorily.

If remediation is necessary according to the test results, a proposed remediation plan must be submitted to the NYCDEP for review and approval. The fee owner(s) of the lot restricted by the (E) designation must perform such remediation as determined necessary by the NYCDEP. After completing the remediation, the fee owner(s) of the lot restricted by this (E) designation should provide proof that the work has been satisfactorily completed.

To avoid the potential for significant adverse noise impacts, for each of the projected and potential development sites an (E) designation for noise will be incorporated into the rezoning proposal. The text of the (E) designation is as follows:

> **In order to ensure an acceptable interior noise environment, new residential development must provide a closed window condition with the minimum of window/wall attenuation shown in Table 3.18-6 for mixed-use attenuation in order to maintain an interior noise level of 45 dBA. In order to maintain a closed-window condition, an alternate means of ventilation includes, but is not limited to, central air conditioning or air conditioning sleeves containing air conditioners.**

To avoid the potential for significant adverse air quality impacts from the HVAC emissions at the potential development sites on Block 2316, Lot 1; and on Block 2319, Lots 2, 55, and 120;

and on Block 2246, Lots 135, 137, and 138; and on Block, 2295, Lots 49, 51, and 67; an (E) designation for air quality will be incorporated into the rezoning proposal. The text of the (E) designation is as follows:

- **Any new residential and/or commercial development on the above-referenced property must use natural gas as the type of fuel for HVAC systems.**

The procedures to be followed for satisfaction and removal of the (E) designation shall be as set forth in Section 11-15 of the Zoning Resolution.

Statement of No Significant Effect:

The Environmental Assessment and Review Division of the Department of City Planning, on behalf of the City Planning Commission, has completed its technical review of the Environmental Assessment Statement Parts I, II and III, dated October 1, 2004, prepared in connection with the ULURP Application (ULURP No. 050120ZMX). The City Planning Commission has determined that the proposed action will have no significant effect on the quality of the environment.

Supporting Statement:

The above determination is based on an environmental assessment which finds that no significant effects on the environment which would require an Environmental Impact Statement are foreseeable. This Negative Declaration has been prepared in accordance with Article 8 of the Environmental Conservation Law 6NYCRR part 617.

Should you have any questions pertaining to this Negative Declaration, you may contact Glen A. Price III, Director of Studies Implementation at (212) 720-3491.

Robert Dobruskin

Date: 10/1/04

Robert Dobruskin, Director
Environmental Assessment & Review Division
Department of City Planning

Date: 10/4/04

Amanda M. Burden, AICP, Chair
City Planning Commission

UTILITY DETECTION, INC.

SUBSURFACE UTILITY INVESTIGATIONS / LOCATING CONSULTANTS

68 S. Service Rd. Suite 100
Melville, NY 11774
Phone: (631) 681-1961
Fax: (631) 792-1137

90 Washington Valley Road
Bedminster, NJ 07921
Phone: (908) 644-3280
Fax: (908) 462-8100

February 17, 2013

Taylord Environmental
24 Wing Ave
Dover Plains, NY 12522

Re: Underground Storage Tank Investigation
745 E. 133rd St.
Bronx, NY

Scott,

We performed ground penetrating locating on the property of 745 E. 133rd St. Bronx. We found no evidence from our data, to determine the existence of any underground storage tanks within the accessible areas on the property.

If you have any questions or need additional information, please contact me.

Sincerely,

Robert A. Fontaine
UTILITY DETECTION, INC.

Appendix B

Markland 745, LLC.

745 East 133rd Street, Bronx, New York 10454

Block 2562, Lots 65, 66, 67, 68

OER Project Number 13EH-N194X

E-Designation E-143

CEQR Number 05 DCP 005X

Port Morris/Bruckner Boulevard Rezoning

Site Health and Safety Plan

March 2013

Taylord Environment Inc.

Attachment I

Route to Area Hospital

Attachment II

Emergency Telephone Numbers

Emergency Telephones Numbers
Altmark
745-751 East 133rd Street,
Bronx, New York 10454

Police Department:	911
Fire Department:	911
Ambulance Services:	911
Area Hospital: see attached St. Barnabas Hospital 4422 Third Avenue Bronx, NY 10457	718. 960.9000
Taylord Environment - Contact: Scott Taylor (Health and Safety Manager, Division Manager, Group Manager, Project Manager, Environmental Scientist, Crew Chief, Site Technician)	914.419.9740 Cell 845.877.3840 Office Phone
Subcontractors (none)	
NYSDEC Region 2 Case Manager, Jun Feng Spill Hotline	**718.482.4998** 718.482.4998 800.457.7362
National Response Center	800.424.8802

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1.0 INTRODUCTION

The purpose of this Site Health and Safety Plan (HASP) is to define the requirements and designate protocols to be followed during sub-subsurface investigations. Applicability extends to all Taylord Environment (TE) employees, subcontractors, and visitors.

All personnel on site shall be informed of the site emergency response procedures and any potential fire, explosion, health, or safety hazards of the operation. This plan must be reviewed and acknowledged, by all personnel prior to entering the exclusion zone or contamination reduction zone.

During development of this plan consideration was given to current safety standards as defined by EPA/OSHA/NIOSH, health effects and standards for known contaminants, and procedures designed to account for the potential for exposure to unknown substances. Specifically, the following reference sources have been consulted:

- OSHA Regulations: 29 CFR 1910 and 1926
- USEPA Standard Operating Safety Guides, June 1992
- NIOSH/OSHA/USCG/EPA "Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities"
- NIOSH Pocket Guide to Chemical Hazards, June 1990
- ACGIH Threshold Limit Values for Chemical Substances and Chemical Agents
- Hazardous Waste Handbook for Health & Safety, Martin, Lippitti, Prothero, 1987
- Handbook of Toxic and Hazardous Chemicals and Carcinogens, Sittig, 1985

In addition, to the above referenced documents, TE has establish a comprehensive and realistic Health and Safety Program, based on past experience, sound engineering practice, employee training and enforcement of health and safety regulations to prevent unreasonable health and safety risks.

This Health and Safety Plan will be complemented by the exciting TE Health and Safety Program. This plan will be a living document in that it will be continually updated or revised as the site conditions and knowledge of the treatment process develops further.

TE as part of the overall Company Health and Safety Program maintains written individual procedures for the types of hazards/issues that our employees will or could potentially be exposed to. These programs will be reviewed/revised on annual basis or as required by the respective governing OSHA Standard. Each program insofar as possible will be maintained as an independent program to avoid situations where it is unclear where responsibility for given issues belong. Effective implementation of these programs requires support from top management to every employee within the company. Written program will be communicated to personnel that are affected by it through training.

In the event that a person does not adhere to the provisions of the HASP, he/she will be requested to leave the work area. All nonconformance incidents will be recorded in the site log.

The development and preparation of this Health and Safety Plan has been based on past experience, sound engineering practice, employee training and enforcement of health and safety regulations to prevent unreasonable health and safety risks. If actual site conditions or operations vary from the data used to prepare this Health and Safety Plan, amendments shall be made to reflect those changes.

2.0 STAFF ORGANIZATION AND RESPONSIBILITIES

While the Health and Safety Department directs and supervises the overall Health and Safety Program, the responsibility for health and safety extends throughout our organization from top management to every employee.

2.1 Health and Safety Manager

Responsible to the Chief Operating Officer, the Health and Safety Manager formulates, administers and coordinates programs for the company to reduce the risk of loss due to employee injury, regulatory non-compliance, general liability, fire, theft or damage. The Health and Safety Manager will develop written detailed policies and procedures covering elements in the Health and Safety Program and provide on-site consultation as required, and perform safety audits and document review.

2.2 Division Health and Safety Representative

Responsible to the Division Manager and the Health and Safety Manager. The Division Health and Safety Representative shall be jointly responsible for the implementation and enforcement of the TE's Health and Safety Program along with the Project Crew Chief/Health and Safety Officer. Under the direction of the Health and Safety Manager the Health and Safety representative ensures that the proper personal protective equipment is available and utilized by all workers (as required). The Health and Safety Representative is responsible for periodically inspecting the division's job sites to ensure that no unsafe acts or conditions exist and keep records of findings and corrective action taken.

2.3 Project Manager

The Project Manager has full responsibility for ensuring that the policies and procedures outlined in the Health and Safety Program are implemented on their respective project(s).

The Project Manager, by example, establishes an attitude of concern for Safety matters and assists the project superintendents to recognize and resolve safety violations and items of non-compliance.

2.4 Crew Chief/Health and Safety Officer

The Crew Chief/Health and Safety Officer and has operational responsibility for the implementation of this Health and Safety Plan; including establishing an attitude of concern for Safety matters by initiating prompt corrective action of hazards brought to their attention and ensuring that the project rules and training requirements are initiated and followed by project employees. Maintains a high level of safety awareness among team members and communicates pertinent matters to them promptly.

Plan and require that all work be done in compliance with this HASP and the Taylord Environment's Health and Safety Program and/or the Client's safety program including all applicable local, state and federal regulations. Impress upon all subcontractors' supervisory personnel a responsibility and accountability of each individual to maintain a safe workplace and work in a safe manner. Conduct a daily "toolbox" safety meeting with the subcontractors foremen.

2.5 Work Force

It is the responsibility of all employees to work in a manner that will prevent injury and exposure to themselves and to other employees. Every employee is responsible for obeying safety rules and regulations, and reporting unsafe conditions or acts to their supervisors.

3.0 SITE CHARACTERIZATION AND ANALYSIS

Sub surface investigation sites can cause a multitude of health and safety concerns any of which can result in serious injuries and/or illnesses of workers. Some hazards are a function of the physical or chemical nature of the site itself. Others are a direct result of the construction being done. The overall health and safety hazard assigned to sub surface investigations, is low to moderate. The overall hazard assigned is based on available information, site history and present conditions. Activity Hazard analysis associated with these projects are presented in Table 1 - Activity Hazard Analysis.

TABLE -1 TASK SPECIFIC HAZARD ANALYSIS

Work Activity	Potential Hazard	Recommended Control
Test Pit Excavation	Exposure To Chemical Hazards Heavy Lifting/Back Strain Slip, Trip And Cuts Noise Environment Eye. Face Head & Hazard Toe/Foot Hazard Electrical Hazards Oxygen Deficient Atmosphere Excavation Hazard Explosive/Fire Hazard	Safety Training, PPE, Decon & Air Monitoring Training Proper Lifting Techniques Protective Barriers And Safety Training Hearing Conservation Program, & Hearing Protection Eye/Face/Head Protective Equipment Steel Toed Boots & Personal Awareness Proper Wiring/Grounding, & Lock Out/Tag Out Confined Space PPE , Air Monitoring & Training Competent Person, Slope/Shoring & Safety Training Air Monitoring, Fire Prevention/Protection & Training
*****Drilling Operations** • GeoProbe • Hollow Stem Auger • Air Rotary	Exposure To Chemical Hazards Hand & Power Tools Heavy Lifting/Back Strain Slip, Trip And Cuts Noise Environment Eye. Face Head & Hazard Toe/Foot Hazard Electrical Hazards Explosive/Fire Hazard	Safety Training, PPE, Decon & Air Monitoring Safety Training, Personal Awareness & Safety Device Training Proper Lifting Techniques Protective Barriers And Safety Training Hearing Conservation Program, & Hearing Protection Eye/Face/Head Protective Equipment Steel Toed Boots & Personal Awareness Proper Wiring/Grounding, & Safe Distance Air Monitoring, Fire Prevention/Protection & Training
Enhanced Fluid Recovery Activities	Hand & Power Tools Heavy Lifting/Back Strain Slip, Trip And Cuts Noise Environment Eye. Face Head & Hazard Toe/Foot Hazard Explosive/Fire Hazard Traffic	Safety Training, Personal Awareness & Safety Device Training Proper Lifting Techniques Protective Barriers And Safety Training Hearing Conservation Program, & Hearing Protection Eye/Face/Head Protective Equipment Steel Toed Boots & Personal Awareness Air Monitoring, Fire Prevention/Protection & Training Proper traffic control devices, Personal Awareness
Sampling Activities	Exposure To Chemical Hazards Hand & Power Tools Heavy Lifting/Back Strain Slip, Trip And Cuts Noise Environment Eye. Face Head & Hazard Toe/Foot Hazard Excavation Hazard Explosive/Fire Hazard Traffic	Safety Training, PPE, Decon & Air Monitoring Safety Training, Personal Awareness & Safety Device Training Proper Lifting Techniques Protective Barriers And Safety Training Hearing Conservation Program, & Hearing Protection Eye/Face/Head Protective Equipment Steel Toed Boots & Personal Awareness Competent Person, Slope/Shoring & Safety Training Air Monitoring, Fire Prevention/Protection & Training Proper traffic control devices, Personal Awareness

3.1 Chemical Hazard

The primary chemicals of concern during sub-surface investigation projects will be petroleum hydrocarbons (mainly diesel, No 2 Fuel Oil, Kerosene and unleaded gasoline).

3.2.1 Route of Entry

A primary exposure route of concern at the site is inhalation of vapors during drilling operations. Air monitoring, using direct reading instruments, for volatile organic compounds shall be performed during work activities. Direct contact of the skin and eyes with liquid or contaminated soils is another important route of exposure. To protect workers against dermal contact, they will wear specified protective clothing, respirators and safety glasses for operations involving potential exposure to hazardous materials. Proper personal decontamination procedures will be emphasized during remedial construction activities.

Although ingestion should be the least significant route of exposure, employees will be made aware of ways in which this type of exposure can occur and methods to avoid such exposure. Deliberate ingestion of chemicals is unlikely. Personal hygiene habits which provide a route of entry for chemicals will be restricted. Proper decontamination procedures will reduce/eliminate potential of ingesting hazardous materials. Site personnel will wash their hands, face and other exposed parts of their skin before eating or smoking.

3.3 Physical Hazards

In addition to chemical hazards, the potential for physical hazards exists. Physical hazards include Heat and Cold Stress, Noise, Electrical, Slip/Trips/Fall, Heavy Lifting, Hand and Power Tools and Safety Hazards.

3.3.1 Explosive Atmospheres

The potential for explosive atmospheres exists when the following conditions occur 1) the levels of combustible gases accumulate to within the explosive limit range; 2) the gas is generated in the presence of oxygen; and 3) there is a source of heat or ignition. Explosive conditions may be controlled in the following manner.

- Monitoring air concentrations for explosive gases shall be conducted in the immediate area of source(s) with a Combustible Gas Indicator (02/LEL meter). Monitoring can reduce risks by indicating when action levels have been exceeded.
- Inert gases (nitrogen) shall be used to displace combustible gases. Intrinsically safe equipment shall be used whenever possible.

3.3.2 Oxygen Deficiency

Oxygen deficiency may occur on-site due to displacement of oxygen by other gases in confined spaces. The oxygen content of ambient air is 21 percent. Physiological effects of oxygen deficiency are readily apparent when the oxygen concentration decreases below 16 percent. Oxygen-deficient conditions may be controlled in the following manner:

- Monitoring air concentrations for oxygen shall be conducted in the breathing zone with an Oxygen Meter (02/LEL Meter). Monitoring can reduce risks by indicating when action levels have been exceeded.

- Supplied-air type respiratory protection shall be utilized in areas known to have oxygen concentrations below 19.5 percent.
- All operations shall cease and desist if oxygen concentrations exceed 21.5 percent.

3.3.3 Heat Stress

Heat stress may be a hazard for workers wearing protective clothing even if the temperature is moderate. The same protective materials that shield the body from chemical exposure, prevent heat and moisture from dissipating. Personal protective clothing can therefore create a hazardous condition. Depending on the ambient temperature and the work being performed, heat stress can occur very rapidly - within as little as 15 minutes.

In its early stages, heat stress can cause discomfort and inattention, resulting in impaired functional abilities that can threaten the safety of both the individual and his co-workers. Personnel will be instructed to recognize the symptoms of the onset of heat stress. Project supervisory personnel will periodically check all personnel working in thermal stress areas to ensure that the symptoms are recognized. Frequency of heat stress monitoring and checks for symptoms of heat stress will increase with rises in air temperature, humidity, and the degree of exposure to high temperature areas.

A Wet Bulb Globe Temperature (WBGT) of 77° F or a Botsball Temperature of 80.6° F will be used as an action level to implement pulse monitoring, oral temperatures and administrative controls to prevent employees from experiencing heat related health effects.

Pulse monitoring will be performed with a portable monitor. Monitoring will be performed in the morning and afternoon hours when WBGT exceeds 77° F or a Botsball Temperature of 80.6 and other times as deemed appropriate.

Oral temperatures will be performed with a portable monitor. Monitoring will be performed in conjunction with pulse monitor. The oral temperature shall not exceed 100.4° F.

If an employee's pulse rate exceeds the maximum age adjusted heart rate (0.7(220-AGE)), and oral temperature the employee shall be required to stop work and rest at the work site or move to an air conditioned room after proper decontamination. The affected employee may be allowed to return to work after his/her pulse rate has dropped below 100 beats per minute.

A Wet Bulb Globe Temperature (WBGT) of 77° F or a Botsball Temperature of 80.6° of will be used as an action level to implement pulse monitoring and administrative controls to prevent employees from experiencing heat related health effects.
Fluids shall be provided and rest breaks will be taken. The frequency of breaks will increase with the temperature. Such things as cooling vest, portable fans and breaks in air conditioned areas shall be used if necessary.

Any individual showing susceptibility to heat stress will be referred to a physician for evaluation. Individuals will be encouraged to increase their consumption of fruit juices to replenish lost fluids.

3.3.4 Cold Stress

Cold injury (frostbite and hypothermia) and impaired ability to work are hazards to persons working outdoors in low temperatures at or below freezing. Extreme cold for a short time may cause severe injury to exposed body surfaces (frost nip or frostbite), or result in profound generalized cooling (hypothermia). Areas of the body which have high surface area-to-volume ratio such as fingers, toes, and ears, are the most susceptible to frost nip or frostbite.

Two factors influence the development of a cold weather injury: ambient temperature and the velocity of the wind. Wind chill is used to describe the chilling effect of moving air in combination with low temperature. As a general rule, the greatest incremental increase in wind chill occurs when a wind of 5 mph increases to 10 mph. Additionally, water conducts heat 240 times faster than air. Thus, the body cools suddenly when chemical-protective equipment is removed if the clothing underneath is perspiration soaked.

To guard against cold injuries, workers should wear appropriate clothing and use warm shelters for removing personal protective equipment.

3.3.5 Noise

Noise is found at remediation sites in such operations as transportation and with heavy construction equipment. Noise has been defined as unwanted sounds. The human ear can tolerate a certain amount of sound without any harmful effects. The OSHA standard allows 90 dB(A) for a full 8 hours and for a lesser time when the levels exceed 90 dB(A).

It is usually safe to assume that if you need to shout to be heard at arms length, the noise level is at 90 dB(A) or above. Hearing protection will be utilized by personnel operating or working around construction equipment or power tools.

3.3.6 Electrical

Overhead power lines, downed electrical wires, and buried cables all pose a danger of shock or electrocution if contacted or severed during site operations. A safe distance will be maintained between overhead wires. Electrical equipment used on site may also pose a hazard to workers. Whenever possible, low-voltage equipment with ground-fault interrupters and water-tight, corrosion-resistant connecting cables to minimize this hazard will be used. In addition, lightning is a hazard during outdoor operation, particularly for workers handling metal containers or equipment. In the event of a lightning storm, operations involving cranes or back-hoes will cease for the duration of the storm.

No employee shall be permitted to work in the proximity of any part of an electrical power circuit unless the person is protected against electric shock by de-energizing the circuit and grounding it, or it has been locked and tagged out. These procedures will be utilized when work has to be performed on energized equipment.

All electrical wiring and equipment shall be intrinsically safe for use in potentially explosive environments and atmospheres. Ground fault circuit integrated shall be used in the absence of properly grounded circuitry or when portable tools must be used around wet areas.

3.3.7 Drilling Safety

Drilling and sampling activities present several potential hazards, minimizing these hazards will require adhering to this Health and Safety Plan during drilling and installation of wells. The Crew Chief/Health and Safety Officer shall be responsible for the safe operation of the drill rig and ensure that crew members adhere to this plan.

Prior to start of work, the drill rig and associated equipment shall be inspected by the driller. At a minimum following will be inspected:

- All equipment such as auger flights, split spoon samplers, hammers. hand tools, etc. shall be properly store and secured before moving the rig.
- All wire ropes, cables and cat lines shall be inspected for signs of wear, such as broken wires, reduction in diameter, abrasion, or rust. Worn, frayed or otherwise damaged wire ropes or cables shall be taken out of service (Tagged Out of Service).

The drill rig shall be properly blocked and level before raising the derrick. The rig shall be moved only after the derrick has been lowered. The emergency break shall be engaged, and the wheel shocked.

Before drilling operation, the existence and location of underground piping, electrical equipment, and gas lines will be determined. If drilling is conducted in the vicinity of overhead power lines, a distance of 15 feet will be maintained between the lines and any point on the rig. The exclusion zone will be established around the rig or associated activities.

3.3.8 Excavation

The hazard associated with excavation of test pits is low to moderate. In general, hazards encountered during test pit excavation include both chemical and physical agents, and are as follows:

- Flammable atmospheres encountered in excavation.
- Exposure to airborne contaminants released during intrusive activities.
- Sides of excavation can cave in. Possible burying or crushing of workers due to:
    - Absence of shoring
    - Misjudgment of stability
    - Defective shoring
    - Undercut sides
    - Piling excavation spoils too close to the edge of the excavation.
- Falling during access/egress, while monitoring or dismounting equipment, or stumbling into excavation.
- An overhead hazard can result from material, tools, rock, and/or soil falling into the excavation.
- Congested work area due to too many workers in a small area.
- Fall or trip hazard working in the vicinity of the edge of the trench.

Taylord Environment shall perform the following:

- Monitor for airborne contaminants. Allow excavation to purge and/or use personal protective equipment.
- Provide adequate shoring or sloping of sides of the excavation. Regularly inspect trenches for changing conditions.
- Provide ramps or ladders to trenches to allow safe access and egress.
- Provide an adequate barrier around open pits.
- Material from pit must be placed away from edge at least 2 feet from the excavation to prevent cave-ins and instability of pit.
- To prevent overexertion, limit manual lifting and emphasize mechanical means where practical.
- Maintain ample work room between workers.
- A distance of 15 feet should be present between overhead wires and equipment.
- All underground utilities should be identified and considered live. Should additional utilities be encountered during excavation, the local utilities will be contacted.
- Proper housekeeping will be emphasized on site.

Trenches regardless of the depth or width shall be barricaded or covered. The use of raised berms, caution signs and caution tape will be used to protect both the public and other personnel on the site.

3.3.9 Safety Hazards

This site may contain numerous safety hazards such as:

- Holes and ditches.
- Precariously positioned objects, such as boards that may fall.
- Sharp objects, such as nails, metal shards, and broken glass.
- Slippery surfaces.
- Steep grades.
- Uneven terrain.
- Unstable surfaces, such as walls that may cave in or flooring that may give way.
- Potentially contaminated soil.

3.3.10 Slip/Trip/Hit/Fall

Slip/trip/hit/fall injuries are the most frequent of all injuries to workers. They occur for a wide variety of reasons, but can be minimized by the following prudent practices:

- Spot check the work area to identify hazards.
- Establish and utilize a pathway which is most free of slip and trip hazards.
- Beware of trip hazards such as wet floors, slippery floors, and uneven surfaces or terrain.
- Carry only loads which you can see over.
- Keep work areas clean and free of clutter, especially in storage rooms and walkways.
- Communicate hazards to on-site personnel
- Secure all loose clothing, ties, and remove jewelry while around machinery.
- Report and/or remove hazards.
- Keep a safe buffer zone between workers using equipment and tools.

3.3.11 Hand and Power Tools

Hand and power tools are used for various site activities. Procedures for using hand and power tools are as follows:

- Persons using power tools shall be trained in their use.
- Only tools in good condition shall be used.
- Tools shall be kept clean.
- Guards and shields shall be kept on all tools.
- Air couplings shall be secured.
- Non-sparking tools shall be used in hazardous areas.

3.3.12 Heavy Lifting

When lifting objects, use the following proper lifting techniques:

- Keep your feet shoulder width apart to get the best footing possible.
- Grasp the object at opposite corners.
- Lift with the legs instead of the back muscles.
- Keep the back upright and avoid twisting.
- Most importantly, think before lifting.
- Bend at the knees, not at the waist.
- Tighten stomach muscles to offset the force of the load.

3.3.13 Traffic Control

- Proper set up and use of traffic control devices including cones, caution tape, work vehicle.
- Stay aware of traffic entering and exiting area around work zone.
- Wear PPE including high visibility vest or work shirt.

3.4 Engineering Controls

The use of engineering controls for the protection of personnel is the first means of mitigation. This involves the elimination of hazards and the isolation of the workers from the hazards. Covering stockpiled material will separate the workers from contaminants. Forced air ventilation is another means of mitigating hazards during utility operations.

- Project personnel will be constantly alert to the possibility of unacceptable dust levels being generated by construction activity. Dust will be controlled primarily by careful project planning and implementation.

4.0 SITE CONTROL MEASURES

This section outlines site control measures to be implemented to minimize potential exposure to and accidental spread of hazardous substances during removal and installation of underground storage tanks. Listed below are the work zones that shall be established. The zone boundaries may be modified as necessary as new information becomes available.

4.1 Exclusion Zone (EZ)

This zone, commonly known as the Hot Zone, is where there will be direct contact with the potentially contaminated material. Personal protective equipment shall be required in this zone. The level of PPE required shall be based on hazard, site condition and air monitoring performed. The outer boundary of the Exclusion Zone, called the Hotline shall be delineated with barrier/caution tape or snow fence. Modification to the size and boundary of the exclusion zone will be made in the field based on operation and wind directions.

The primary EZ location will be along the outer perimeter of the drilling/sampling operation.

All activities in these areas should be conducted using the "buddy system". This involves a buddy who is able to provide his or her partner with assistance, observe for signs of chemical or heat exposure, check integrity of personal protective equipment and go for help when needed.

4.2 Contamination Reduction Zone (CRZ)

This zone, commonly known as the Warm Zone, is where workers and equipment shall be decontaminated. This shall minimize the spread of contaminants from the EZ into clean areas. The contamination reduction zone will be located in front of or next to the EZ so that personnel exiting the exclusion can conveniently stop at the CRZ for decontamination.

4.3 Support Zone

This zone, commonly known as the Clean Zone, is considered to be uncontaminated. This area shall be used as a storage area for operations equipment and break and toilet facilities will be located.

4.4 Personal Hygiene and General Safety Requirements

Personnel performing or supervising work within the Exclusion Zone, during drilling/sampling activities or exposed or subject to exposure to chemical vapors, liquids, or contaminated solids, shall observe and strictly adhere to the provisions of this HASP.

Any TE employee, subcontractor or authorized visitor found to consistently disregard the provisions of this HASP may be barred from the site.

Eating, drinking, smoking, chewing gum or tobacco or any practice that increases the probability of hand-to-mouth transfer and ingestion of material is prohibited during

remedial activities except in a designated eating area outside the exclusion and contaminant reduction zones.

Hand and face shall be thoroughly washed before eating, smoking, drinking, chewing gum or tobacco.

No facial hair which interferes with the effectiveness of a respirator shall be permitted on personnel required or potentially required to wear respirators.

Hard Hats and Safety Glasses with side shields will be worn on-site at all times.
No alcoholic beverages or controlled dangerous substances are allowed on site.

Personal Protective Equipment (PPE) must be utilized by on - site personnel when deemed necessary.

No open flames or smoking will be permitted in the Exclusion Zone or Contamination Reduction Zone unless a HotWork Permit has been initiated.

Each individual will be responsible to properly inspect their PPE prior to entering the CRZ and exclusion zone.

When possible, avoid contact with contaminated materials.

5.0 PERSONAL PROTECTIVE EQUIPMENT

This section provides an outline of the personal protective equipment and guidelines that will be implemented to minimize chemical, and physical exposures and accidents during sub surface investigations. Where engineering controls and job hazard analyses do not eliminate all job hazards, employees will (where appropriate) wear personal protective equipment (PPE).

These include items such as, hard hats, face shields, safety goggles, glasses, hearing protection, footguards, gloves etc. The crew chief/health and safety officer, under the direction of the Taylord Environment Corporate Health and Safety Manager, will ensure that equipment selected will meet the following requirements:

- It will be appropriate for the particular hazard.
- It will be maintained in good condition.
- It will be properly stored when not in use, to prevent damage or loss.
- It will be kept clean, fully functional and sanitary.

Protective clothing and PPE can present additional safety hazards. Supervisors will ensure workers wear appropriate clothing and PPE. These items will be worn so as not to create additional hazards.

All PPE will be selected in accordance with 29 CFR 1910.132. Taylord Environment will provide proper PPE to all employees, and client representatives. All protective clothing will be properly used, stored, selected, and maintained.

5.1 Head Protection

All personnel shall wear a hard hat that meets the requirements and specifications in ANSI Safety Requirements for Industrial Head Protection Z89.1-1969. Exceptions to this requirement are personnel utilizing eating/break areas.

5.2 Hand Protection

Outer gloves used on the site for remedial activities shall be either chemical resistant or general purpose. The appropriate glove shall be determined for a specific work task. Chemical resistant gloves shall be selected using appropriate chemical degradation guides.

Welder's gloves or any other special type of glove are considered outer gloves and are to worn over inner gloves. These special outer gloves shall be stored on-site and shall be disposed of properly as PPE waste.

Inner gloves shall always be chemical resistant, shall be selected using appropriate chemical degradation guides and shall be disposed of as PPE waste.

5.3 Eye/Face Protection

Eye/Face protection shall be worn by all personnel in the CRZ and exclusion zone. All eye/face protection provided shall be ANSI Z87-1989 approved.

5.4 Footwear

Footwear used in the EZ, CRZ, and SZ shall be steel-toed safety shoes or steel-toed boots. Chemical-resistant outer boot covers are to be worn when necessary.

5.5 Respiratory Protection

To control and or minimize the threat of occupational diseases caused by breathing air contaminated with harmful dusts, fogs, fumes, mists, gases, smokes, sprays, or vapors, the primary objective of this program shall be to prevent atmospheric contamination. This shall be accomplished as far as feasible by accepted engineering control measures (for example, enclosure or confinement of the operation, general and local ventilation, and substitution of

less toxic materials). When effective engineering controls are not feasible, or while they are being instituted, appropriate respirators shall be used.

Respirators shall be provided when such equipment is necessary to protect the health of the employee.

- Provide the respirators which are applicable and suitable for the purpose intended.
- Be responsible for the establishment and maintenance of a written respiratory protective program which shall include the requirements outlined in 29 CFR 1910.134.
- The employee shall use the provided respiratory protection in accordance with instructions and training received.
- Respirators shall be selected on the basis of hazards to which the worker is exposed.
- The user shall be instructed and trained in the proper use of respirators and their limitations.
- Respirators shall be regularly cleaned and disinfected. Those used by more than one worker shall be thoroughly cleaned and disinfected after each use.
- Respirators shall be stored in a convenient, clean, and sanitary location.
- Respirators used routinely shall be inspected during cleaning. Worn or deteriorated parts shall be replaced. Respirators for emergency use such as self-contained devices shall be thoroughly inspected at least once a month and after each use.
- Appropriate surveillance of work area conditions and degree of employee exposure or stress shall be maintained.
- There shall be regular inspection and evaluation to determine the continued effectiveness of the program.
- Employees will not be assigned to tasks requiring use of respirators unless it has been determined that they are physically able to perform the work and use the equipment. A physician shall determine what health and physical conditions are pertinent.
- Only NIOSH approved or accepted respirators shall be used. The respirator furnished shall provide adequate respiratory protection against the particular hazard for which it is designed.

Each respirator shall be individually assigned and not interchanged between workers without cleaning and sanitizing. The cartridges/filters shall be changed at least weekly. More frequent changes shall occur at the first sign of breakthrough based on contaminant warning properties or the user experiences excessive breathing resistance. Respirators shall be cleaned and stored in an uncontaminated atmosphere after each use.

Self-contained breathing apparatus/Supplied-air respirators shall be inspected before and after use and at least once monthly, if in storage for emergency use.

All employees who have the potential of wearing a respirator shall be fit tested to ensure they utilize the proper size respirator. The fit test is conducted according to the manufacturer's suggestions. The test shall consist of a taste and odorous vapor qualitative

test. Personnel that are unable to pass a fit test as a result of facial hair or facial configuration shall not enter a work area where respiratory protection may be required.

5.6 Levels of Protection

The level of Personal Protective Equipment must correspond to the level of hazards known, or suspected during a specific activity.

5.6.1 Level B:

Level B equipment, used as appropriate, is as follows:

- Positive pressure, full facepiece self-contained breathing apparatus (SCBA) or positive pressure supplied air respirator with escape SCBA (NIOSH approved)
- Disposable chemical resistant coverall (Polycoated Tyvek)
- Outer gloves: neoprene or nitrile
- Inner gloves: latex or nitrile
- Chemical resistant boots over the safety shoes
- Steel-Toed Safety Shoes
- Hard hat

5.6.2 Level C:

Level C equipment, used as appropriate, is as follows:

- Full-face, air purifying, canister equipped respirators (NIOSH approved) utilizing Organic Vapor/Acid Gas and HEPA filters .
- Disposable chemical resistant coverall (Polycoated Tyvek or Saranex).
- Outer gloves: leather, cotton, neoprene or nitrile
- Inner gloves: latex or nitrile
- Chemical resistant boots over the safety shoes
- Steel-Toed Safety Shoes
- Hard hat
- Safety glasses (if half-mask is utilized)

5.6.3 Modified Level D:

Modified Level D equipment, used as appropriate, is as follows:

- Regular Tyvek coveralls (Polycoated Tyvek as required)
- Outer gloves: leather, cotton, neoprene or nitrile
- Inner gloves: latex or nitrile (doubled)

- Chemical resistant boots over the safety shoes
- Steel-Toed Safety Shoes
- Hard hat & Safety glasses

5.6.4 Level D:

Level D equipment, used as appropriate, is as follows:
- Work Uniform
- Hard hat and Safety glasses
- Steel-Toed Safety Shoes

5.7 Initial Levels of Protection

Based upon the nature of the operation during sub surface investigations, the initial level of protection to be used is Level D with a contingency upgrade to Level D Modified, Level C or Level B. The initial level of protection is defined as that level in which work commences.

Air monitoring, using direct reading instruments, will be performed to determine if an upgrade or downgrade is warranted. All decisions concerning the level of protection will be based upon a conservative interpretation of the information provided by air monitoring results, environmental results and other appropriate information..

6.0 DECONTAMINATION PROCEDURES

Decontamination (Decon) is the process of removing or neutralizing potentially harmful contaminants that have accumulated on personnel and equipment in order to reduce the

spread of contamination outside the work area. Decontamination is critical to the health and safety of site workers and it protects the community by minimizing the off- site migration of contaminants. One of the most important aspects of controlling contaminated material migration is the prevention of the spread of contamination. Good contamination prevention will minimize employee and public exposure. TE will prevent the spread of contamination through the use of engineering controls.

All personnel leaving the Exclusion Zone must be decontaminated in the Contamination Reduction Zone prior to entering the Support Zone. The decontamination process is composed of a series of steps performed in a specific sequence. The basic concept is that more heavily contaminated items will be decontaminated and removed first, followed by decontamination and removal of inner, less contaminated items.

6.1 Personal Decontamination

As the worker leaves the Exclusion Zone he approaches the first station where he places his equipment and tools. After the worker places his equipment and tools down, he proceeds to the second station, where all outside protective clothing is washed off and rinsed. This area shall consist of tubs, long handle brushes and garden sprayers/hoses. At the next area, workers are required to remove their outer boots and then outer gloves and place them in plastic garbage bag lined drums. Once outer gloves are removed, workers are to proceed to station 4 where workers remove all outer garments and place them in plastic garbage bag lined drums. Once workers are fully decontaminated and all garments are removed, workers proceed to station five and remove their respirators. Used cartridges and inner gloves are placed into plastic garbage bags.

6.2 Equipment Decontamination

Nearly all hardware (not consumable) is considered to be recoverable. As such, they will be decontaminated using the proper equipment, (i.e. brushes, sprayers, detergent).

Should equipment become heavily soiled, then the use of a water sprayer and/or scrapers and brushes shall be used before being decontaminated. In general, the high pressure sprayer will be used for cleaning equipment: every effort will be made to remove adhering material with brushes and the sprayer.

7.0 AIR MONITORING PLAN

The purpose of air monitoring is to identify and quantify airborne contaminants in order to verify and determine the level of worker protection needed. Initial screening for identification is often qualitative, i.e., the contaminant, or the class to which it belongs, is demonstrated to be present but the determination of its concentration (quantification) must await subsequent testing.

7.1 Direct-Reading (Real-Time) Instruments

Data obtained from the real-time air monitoring instruments is used to assure proper selection of personnel protection equipment, engineering controls, and work practices. Overall, the instruments provide the user with the capability to determine if site personnel are being exposed to concentrations which exceed exposure limits or action levels for specific hazardous materials.

Operational areas will be surveyed with OVMs, combustible gas, and oxygen meters. Air monitoring will concentrate on the workers breathing zone. Real-time air monitoring equipment calibration will be checked in accordance with the manufactures recommendation, prior to field use.

7.3 Operational Action Levels

A decision-making scheme for an upgrade in levels of protection and/or withdrawal of personnel from an area based on atmospheric hazards is outlined in Table 2 - Operational Action Levels. In general the decision making scheme will be followed, with the decision dependent upon actual site condition and contaminants.

7.4 Perimeter Monitoring

Perimeter real-time monitoring for volatile organic compounds will be initiated when onsite monitoring activities indicate non-methane organic vapor levels greater than 5 ppm in the active work

8.0 EMERGENCY CONTINGENCY PLAN

This section describes the emergency response plan that shall be implemented by Taylord Environment employees to handle emergencies. It is expected that modifications may be necessary upon actual site set-up and conditions. During the site safety meetings held periodically, all employees will be trained in and reminded of the location of this plan, the procedures outlined in this plan, the communication systems and evacuation routes used during an emergency.

On a continual basis, individual personnel should be constantly alert for indicators of potentially hazardous situations and for signs and symptoms in themselves and others that warn of hazardous conditions and exposures. Rapid recognition of dangerous situations can avert an emergency.

All on-site employees have a role in mitigating an emergency incident. The Crew Chief/Health and Safety Officer has the primary responsibility for responding to and directing emergency response operations to correct emergency situations. This includes taking appropriate measures to ensure the safety of site personnel and the public. He is additionally responsible for ensuring that corrective measures have been implemented, appropriate authorities notified, and follow-up reports completed.

8.1 Evacuation Routes and Procedures

In the event of an emergency which necessitates an evacuation of the site, on-site personnel shall be notified to evacuate the area by immediate emergency exit. The Project Crew Chief/Health and Safety Officer shall control the scene until the appropriate municipal and state agencies arrive onsite.

In the event of a release into the atmosphere, safe distances of evacuation will be determined, based on a site combination of and incident specific factors.

8.2 Emergency Equipment

Equipment shall be available on-site to handle emergencies such as injuries, fires and spills. This equipment includes first aid supplies, fire extinguishers, and personal protective equipment and spill response equipment.

8.3 Medical Treatment/First Aid

On-site supervisory personnel are trained in CPR and First Aid and shall have first aid kits for use in a medical emergency. First Aid Kits and eye wash station will be located in the main support areas. Community emergency services (EMS, Fire, and Police) shall be notified immediately if deemed their resources are needed on site. If necessary the injured or sick party shall be taken to the area Hospital. Please refer to Attachment I, Route to Area Hospital.

TABLE 2 - OPERATIONAL ACTION LEVELS

Contaminants	Action Level	Action to Take
Volatile Organic Compounds-PID	0 To 1 PPM Above Background	Level D No Action Taken
	1 To 10 PPM Above Background At The Breathing Zone And Sustained For 5 Minutes	Level D Modified, Take Colorometric Tube Readings Immediately, If PELs Are Exceeded, Upgrade To Level C, Continuous Air Monitoring
	10 To 50 PPM Above Background At The Breathing Zone And Sustained For 5 Minutes	Upgrade To Level C, Continuous Air Monitoring
	50 To 100 PPM Above Back Ground At The Breathing Zone And Sustained For 5 Minutes	Upgrade To Level B, Continuous Air Monitoring

	> 100 PPM Above Back Ground At The Breathing Zone And Sustained For 5 Minutes	Upgrade To Level B, Continuous Air Monitoring, Stop Work, Evacuate Work Zone And Evaluate
Combustible Gas In Air	Less Than 10% LEL Greater Than 10% LEL Greater Than 25% LEL	Continue With Caution And Air Monitoring Continue With Caution And Air Monitoring And Ventilate Space With Manhole Blower Immediate Withdrawal Of Personnel, Ventilate Space With Manhole Blower
Oxygen In Air	Less Than 19.5% Greater Than 23.5% 19.5 To 23.5%	Stop Work And Ventilate Or Upgrade To Level B Immediate Withdrawal Personnel And Evaluate Continue Work With Air Monitoring

8.4 Spill Confinement and Containment

Where spills, leaks or ruptures may occur adequate quantities of spill containment equipment (ground clay, vermiculite, pads, booms, pillows, etc.) shall be kept available and used in areas where minor or major spills, leaks or ruptures may occur. Once a spill has been discovered, the first step is to determine the nature of the spill, its size, and its direction of travel. The Crew Chief/Health and Safety Officer shall be notified immediately and he will determine what actions will be taken to contain the spill.

Prior to entering a spill area, it is necessary to protect oneself from the adverse effects of the spilled material. Do not enter the area alone.

The decision to use confinement techniques, such as diversion, diking, and retention, should be based on the availability of time, personnel, equipment and supplies. It should also be made with a review of the potential harmful effects (review of MSDS) of the leaking material downhill and downwind of the spill.

After a spill is contained, the Crew Chief/Health and Safety Officer shall determine the appropriate cleanup and disposal methods with input from the client and their representatives.

A small spill should be cleaned up immediately, but should not trigger activation of these procedures. Should an on site spill occur, the immediate response will include closing off the source of the spill, if possible, application of the sorbent material or sand bagging,

and street sweeping, as appropriate. All spills will be investigated, and a written report will be provided to the regulatory agencies in accordance with applicable regulations (as required).

8.5 Emergency Alarms/Notifications and Procedures

When any emergency occurs on-site, the Crew Chief/Health and Safety Officer shall be notified immediately. In the event of a medical emergency, fire or spill, personnel will notify the appropriate emergency organization. Attachment II, Emergency Telephone, provides names and Telephone numbers for emergency contact personnel.

9.0 MEDICAL SURVEILLANCE REQUIREMENTS

Medical monitoring programs are designed to track the physical condition of employees on a regular basis as well as survey pre-employment or baseline conditions prior to potential exposures. The medical surveillance program is a part of Taylord Environment's Health and Safety program.

Prior to being assigned to a hazardous or a potentially hazardous activity involving exposure to toxic materials, employee must receive a preassignment or baseline physical. The content of the physical is to be determined by Taylord Environment's medical consultant. The preassignment physical should categorize employees as fit- for-duty and able to wear respiratory protection. In addition to a baseline physical, all employees require a periodic physical within the last 12 months unless the advising physician believes a shorter interval is appropriate.
The results of medical testing and full medical records will be maintained in accordance with 29 CFR Part 1910.20. A copy of the medical certification will kept the office for each person entering the contamination reduction zone and exclusion zone.

9.1 Exposure/Injury/Medical Support

As a follow-up to an injury or possible exposure above established exposure limits, all employees are entitled to and encouraged to seek medical attention and physical testing. Depending upon the type of exposure, it is critical to perform follow-up testing within 24-48 hours.

10.0 TRAINING REQUIREMENTS

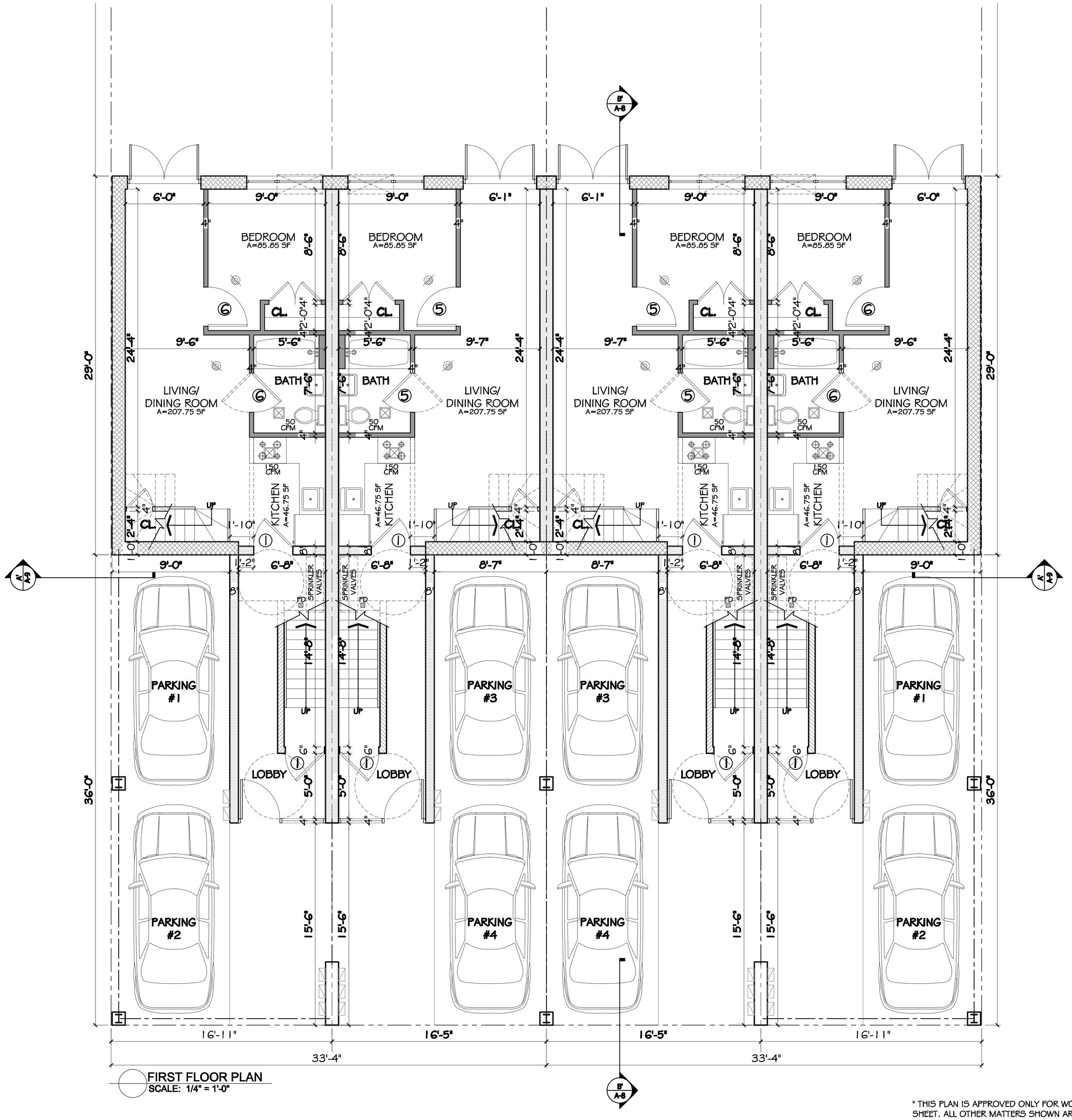
Consistent with OSHA's 29 CFR 1910.120 regulation covering Hazardous Waste Operations and Emergency Response, all site personnel who will be performing sub surface investigations, are required to be trained in accordance with the standard. At a

minimum all personnel are required to be trained to recognize the hazards on-site, the provisions of this HASP, and the responsible personnel.

Prior to arrival on site, TE will certify that employees working in hazardous areas meet the requirements of preassignment training, consistent with OSHA 29 CFR 1910.120 paragraph (e)(3). Each general site worker has received 40 hours of instruction off the site. All personnel must also receive 8 hours of refresher training annually.

A copy of all training certificates will be kept at the office for each person working at the site.

Appendix C



FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

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

USE OF THIS PLAN COMFIRMS THAT ALL PARTIES AGREE TO ARCHITECTURES LIABILITY LIMITED TO ARCHITECT'S PROFESSIONAL FEE ON THIS PROJECT. THIS NOTE DOES NOT APPLY TO THE NYC DEPARTMENT OF BUILDING.

GENERAL NOTES

No.	COMMENTS	Date

LEDER – LUIS
BUILDING DESIGN
66 MAIN STREET
SUITE 913
YONKERS, NEW YORK 10701
JULIO CESAR LEDER-LUIS, RA.
914 423 9778 FAX. 914 423 9781

PROJECT:

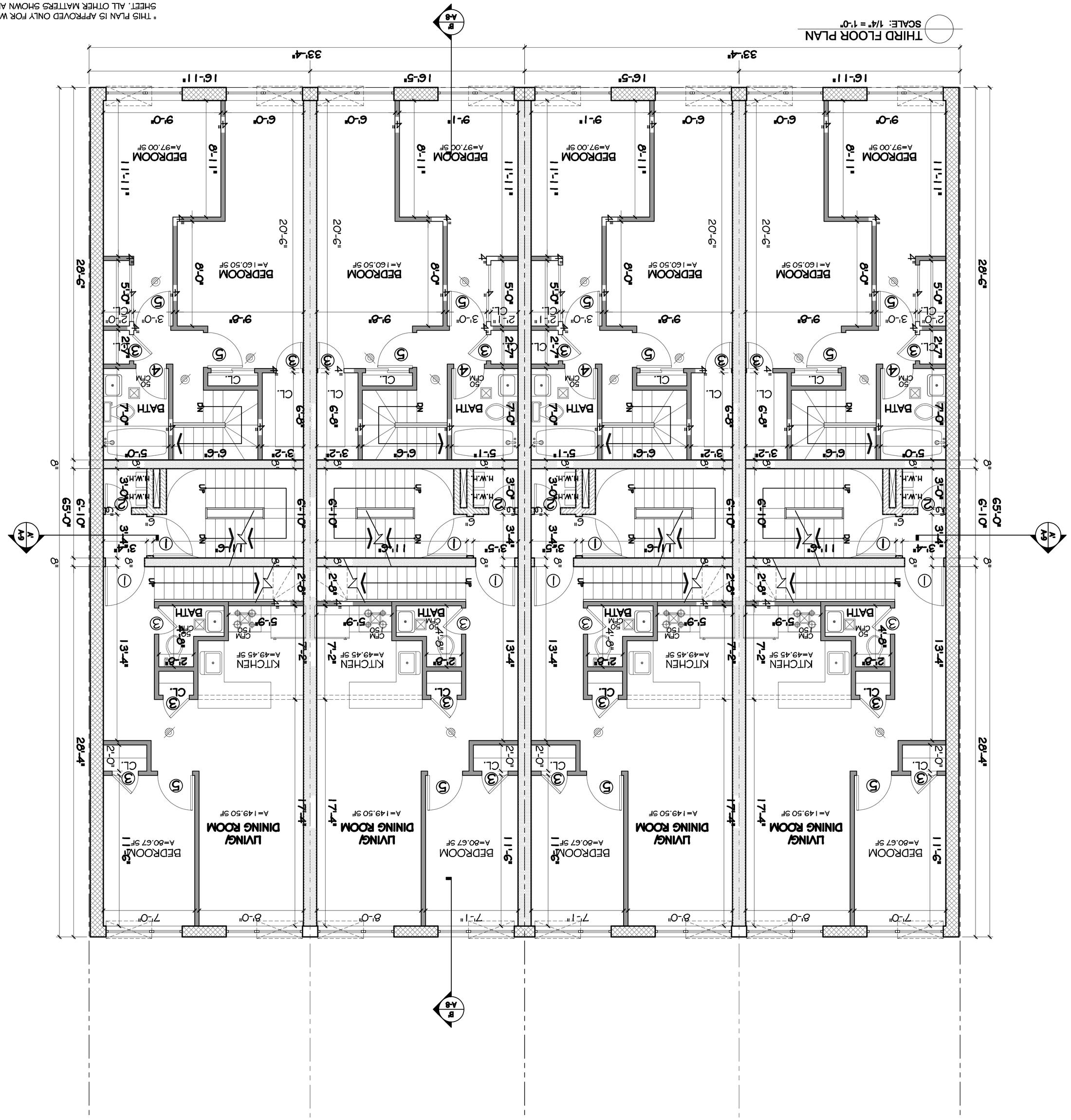
4NEW BUILDINGS
EAST 133RD STREET
BRONX, NY

DRAWING TITLE:

FIRST FLOOR PLAN

SEAL & SIGNATURE

DATE:	02.22.2012
PROJECT NO.:	
DRAWN BY:	L.D.
CHECK BY:	J.L.D.
SCALE:	AS NOTED
DRAWING NO.:	A–002.00



THIRD FLOOR PLAN
SCALE: 1/4" = 1'-0"

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

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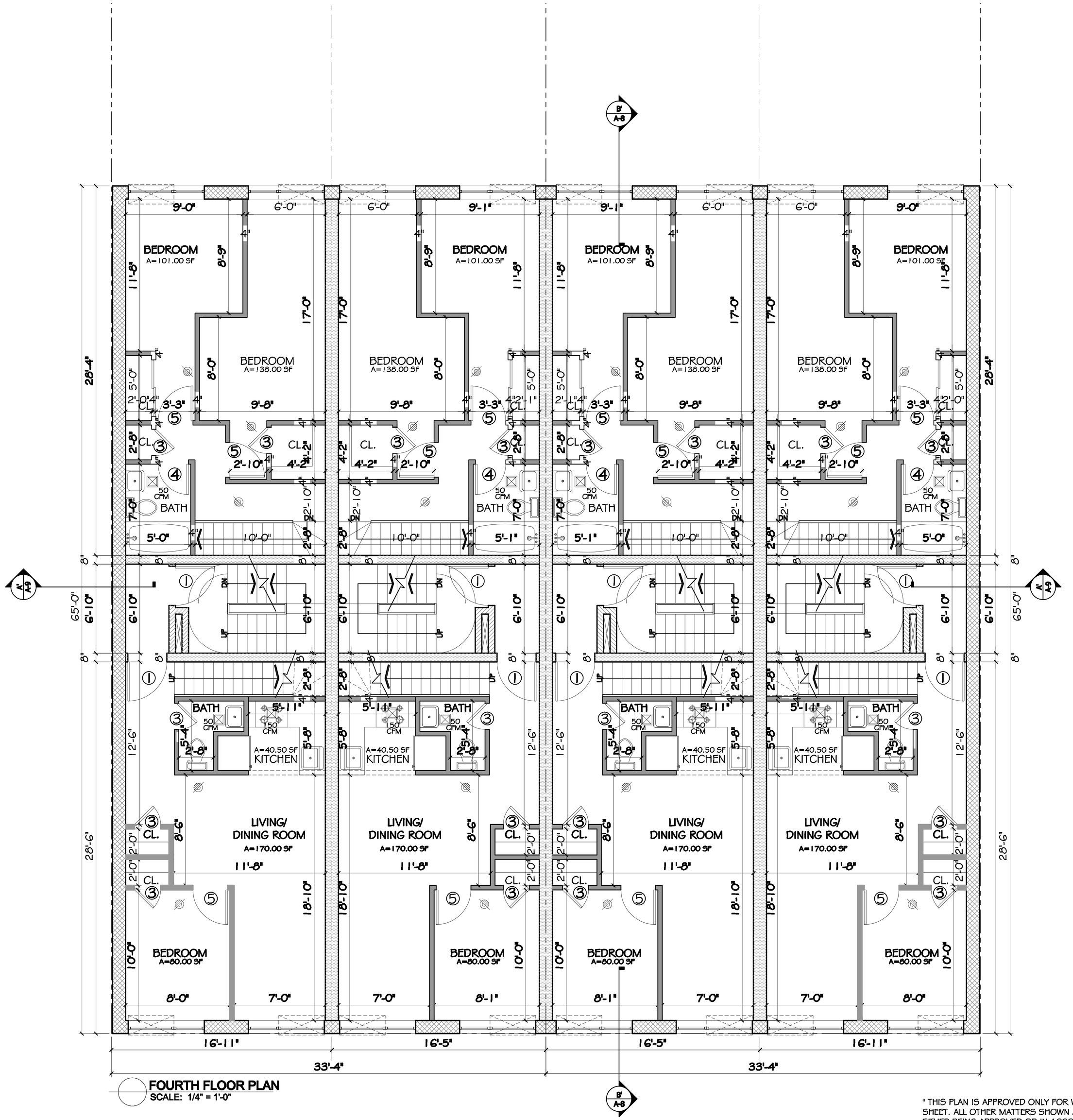
BUILDING DESIGN
66 MAIN STREET
SUITE 913
YONKERS, NEW YORK 10701
JULIO CESAR LEDER–LUIS, RA.
914 423 9778 FAX. 914 423 9781

PROJECT:
4NEW BUILDINGS
EAST 133RD STREET
BRONX, NY

DRAWING TITLE:
THIRD FOOR PLAN

SEAL & SIGNATURE	
DATE:	02.22.2012
PROJECT NO.:	
DRAWN BY:	L.D.
CHECK BY:	J.L.D.
SCALE:	AS NOTED
DRAWING NO.:	A–004.00
	4 of 12



FOURTH FLOOR PLAN
SCALE: 1/4" = 1'-0"

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GENERAL NOTES

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SUITE 913
YONKERS, NEW YORK 10701
JULIO CESAR LEDER-LUIS, RA.
914 423 9778 FAX. 914 423 9781

PROJECT:

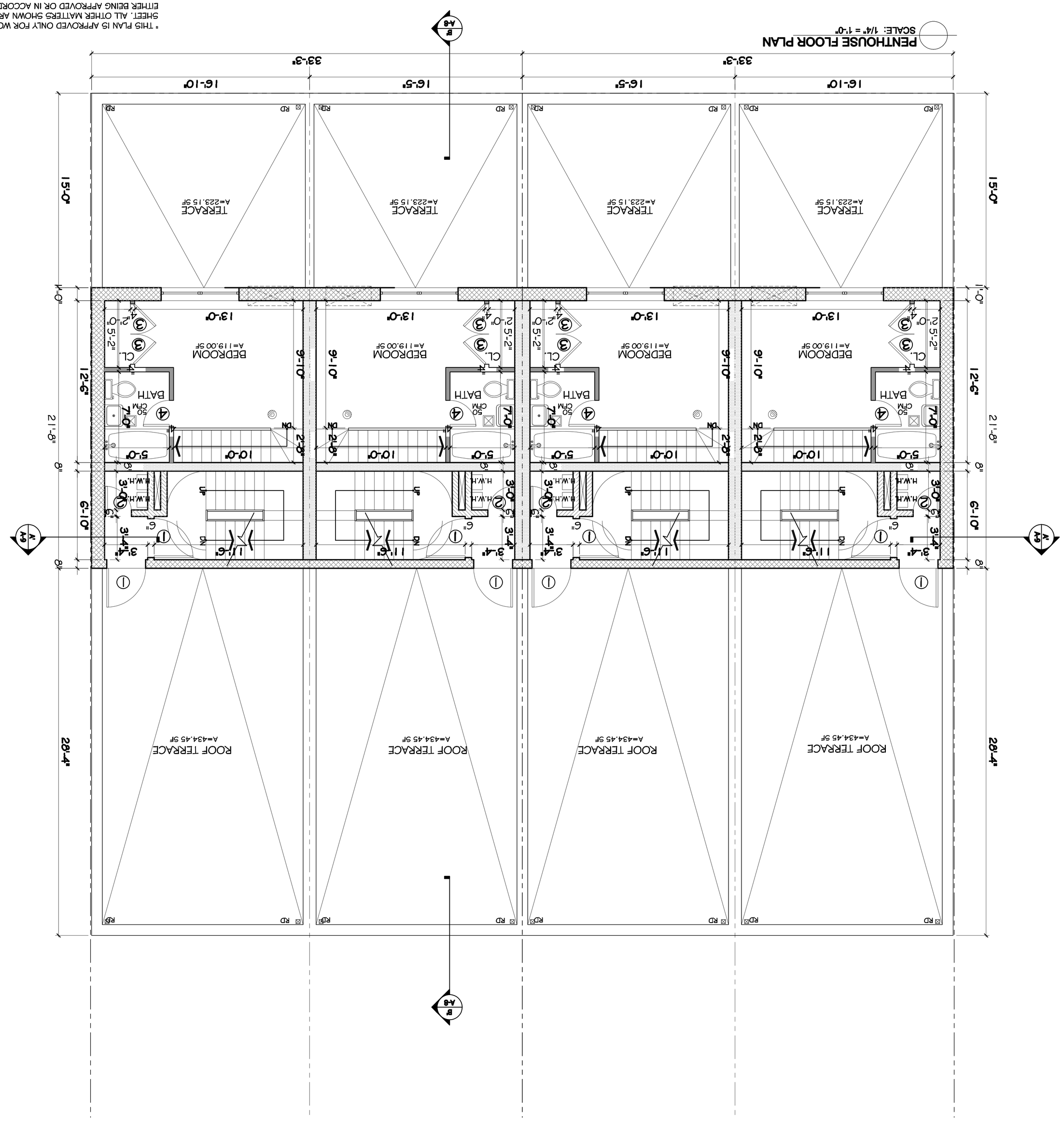
4NEW BUILDINGS
EAST 133RD STREET
BRONX, NY

DRAWING TITLE:

FOURTH FOOR PLAN

SEAL & SIGNATURE

DATE:	02.22.2012
PROJECT NO.:	
DRAWN BY:	L.D.
CHECK BY:	J.L.D.
SCALE:	AS NOTED
DRAWING NO.:	A–005.00



PENTHOUSE FLOOR PLAN
SCALE: 1/4" = 1'-0"

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

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GENERAL NOTES

No.	COMMENTS	Date

LEDER – LUIS
BUILDING DESIGN
66 MAIN STREET
SUITE 913
YONKERS, NEW YORK 10701
JULIO CESAR LEDER-LUIS, RA.
914 423 9778 FAX. 914 423 9781

PROJECT:
4NEW BUILDINGS
EAST 133RD STREET
BRONX, NY

DRAWING TITLE:
PENTHOUSE

SEAL & SIGNATURE:

DATE:	02.22.2012
PROJECT NO.:	
DRAWN BY:	L.D.
CHECK BY:	J.L.D.
SCALE:	AS NOTED
DRAWING NO.:	A–006.00

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

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

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GENERAL NOTES

No.	COMMENTS	Date

LEDER – LUIS
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66 MAIN STREET
SUITE 913
YONKERS, NEW YORK 10701
JULIO CESAR LEDER-LUIS, RA.
914 423 9778 FAX. 914 423 9781

PROJECT:

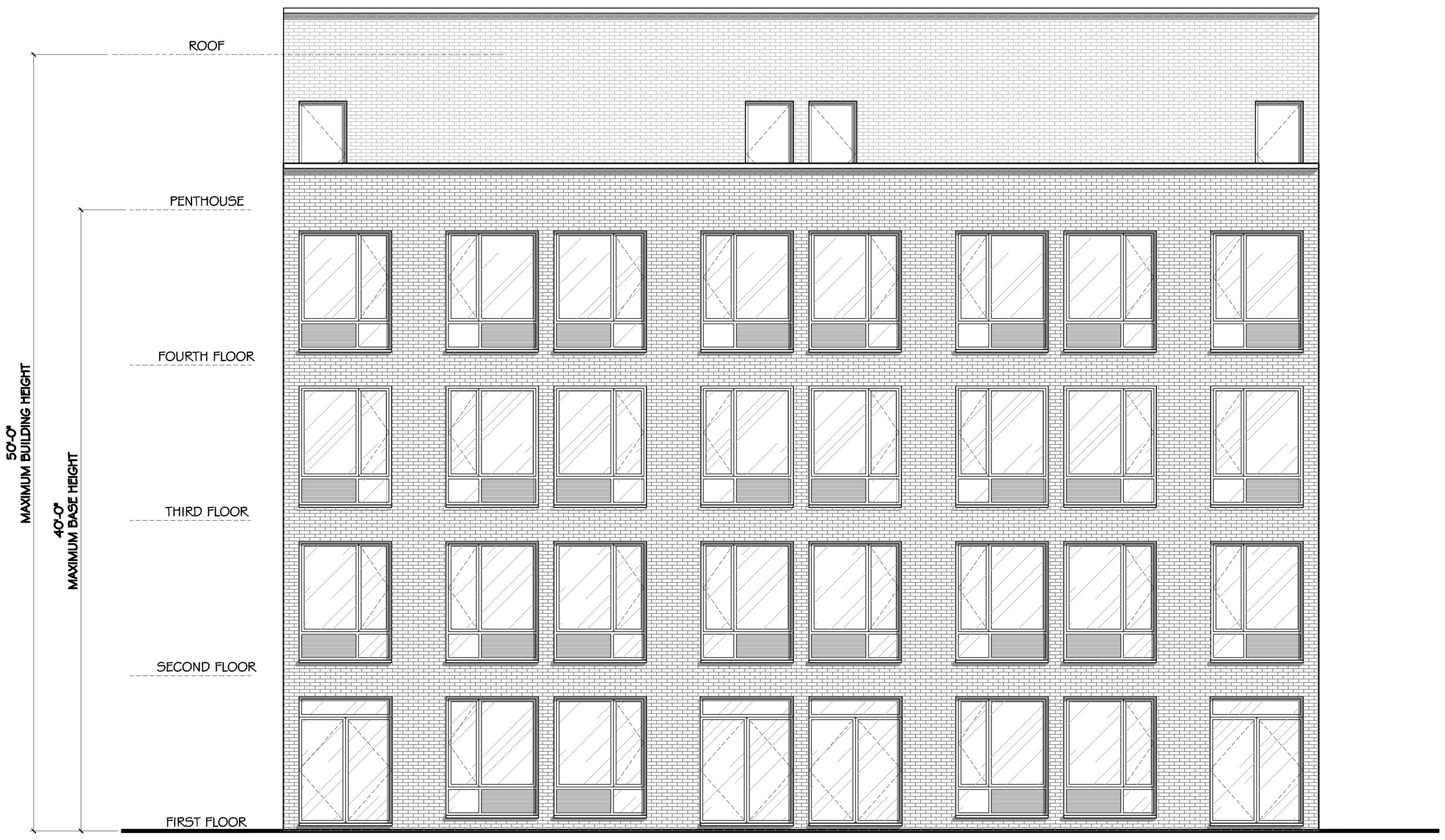
4NEW BUILDINGS
EAST 133RD STREET
BRONX, NY

DRAWING TITLE:

FRONT
ELEVATION

SEAL & SIGNATURE

DATE:	02.22.2012
PROJECT NO.:	
DRAWN BY:	L.D.
CHECK BY:	J.L.D.
SCALE:	AS NOTED
DRAWING NO.:	A–007.00



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

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JULIO CESAR LEDER–LUIS, RA.
914 423 9778 FAX. 914 423 9781

PROJECT:

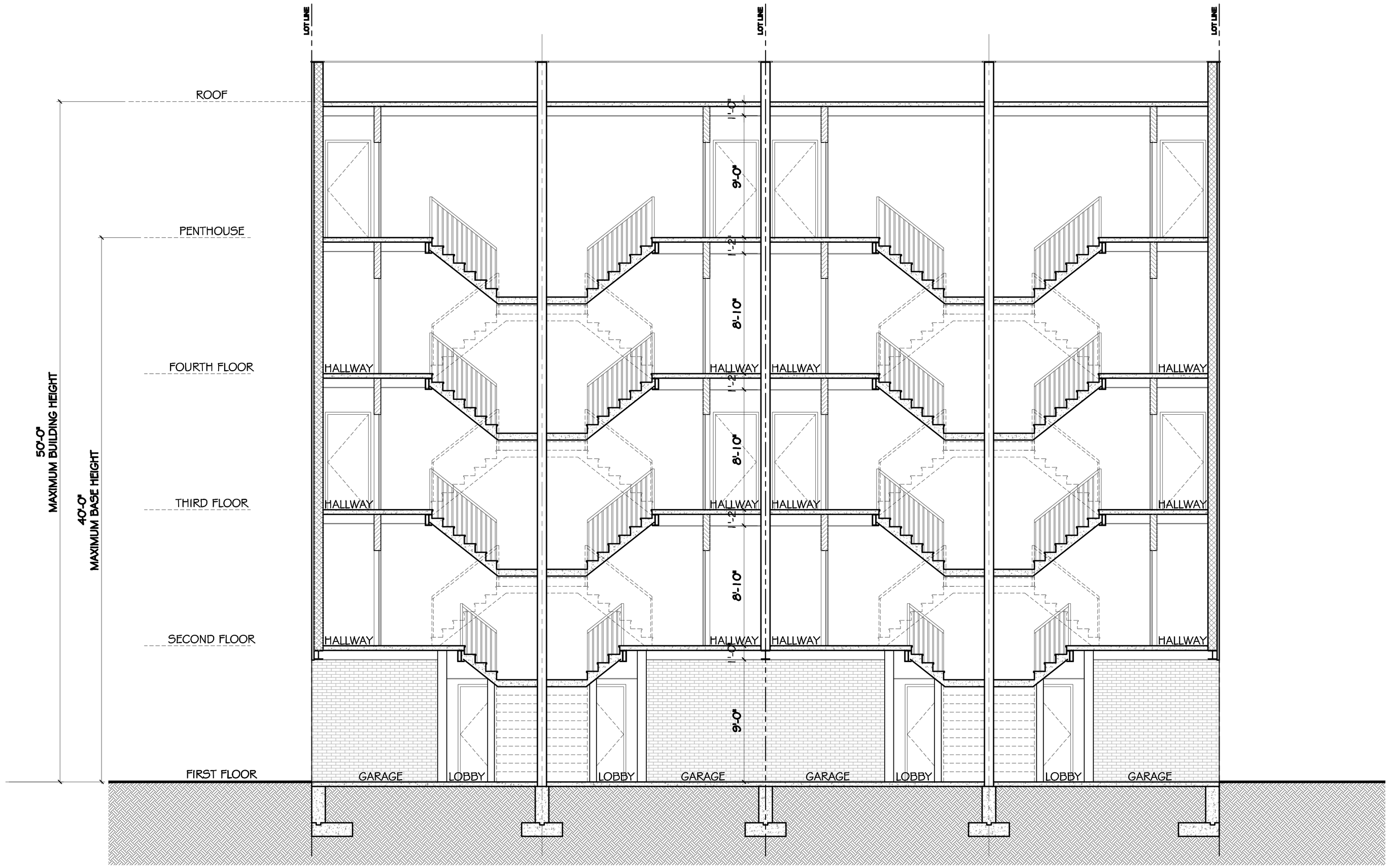
4NEW BUILDINGS
EAST 133RD STREET
BRONX, NY

DRAWING TITLE:

REAR
ELEVATION

SEAL & SIGNATURE

DATE:	02.22.2012
PROJECT NO.:	
DRAWN BY:	L.D.
CHECK BY:	J.L.D.
SCALE:	AS NOTED
DRAWING NO.:	A–008.00



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

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SUITE 913
YONKERS, NEW YORK 10701
JULIO CESAR LEDER–LUIS, RA.
914 423 9778 FAX. 914 423 9781

PROJECT:

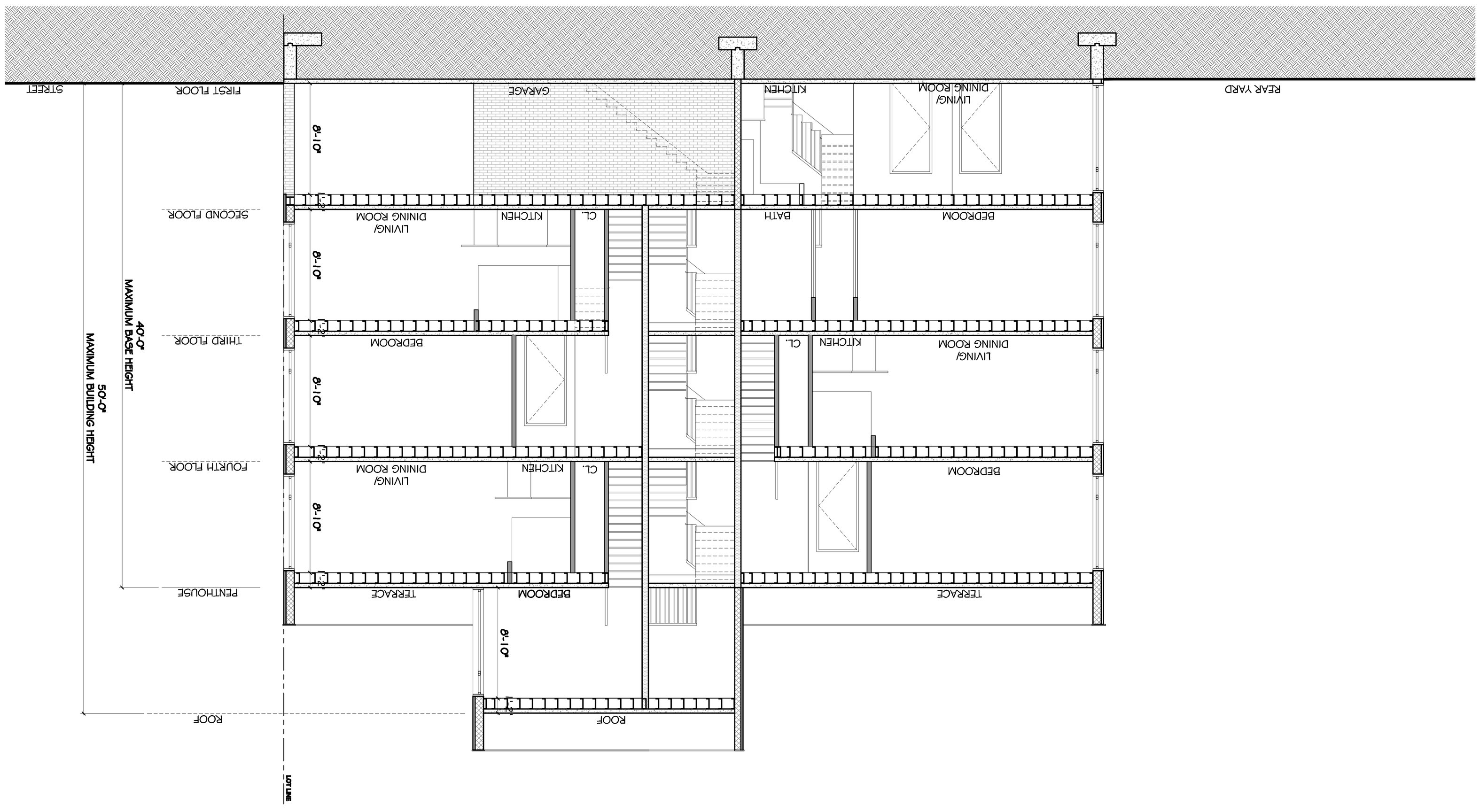
4NEW BUILDINGS
EAST 133RD STREET
BRONX, NY

DRAWING TITLE:

SECTION AA

SEAL & SIGNATURE

DATE:	02.22.2012
PROJECT NO.:	
DRAWN BY:	L.D.
CHECK BY:	J.L.D.
SCALE:	AS NOTED
DRAWING NO.:	A–009.00



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

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GENERAL NOTES

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YONKERS, NEW YORK 10701
JULIO CESAR LEDER–LUIS, RA.
914 423 9778 FAX. 914 423 9781

PROJECT:
4NEW BUILDINGS
EAST 133RD STREET
BRONX, NY

DRAWING TITLE:
SECTION BB

SEAL & SIGNATURE:

DATE:	02.22.2012
PROJECT NO.:	
DRAWN BY:	L.D.
CHECK BY:	J.L.D.
SCALE:	AS NOTED
DRAWING NO.:	A–010.00

Appendix D

Project: **Altmark Group, LLC** Project Location: **745 East 133rd Street, Bronx, NY** Project Number:	Log of Boring SB-1 **Sheet 1 of 1**

Date(s) Drilled	**1/15/13**	Logged By	**ST**	Checked By	
Drilling Method	**GeoProbe**	Drill Bit Size/Type	**2"**	Total Depth of Borehole	**4.5 feet**
Drill Rig Type	**5410**	Drilling Contractor	**TJS,INC**	Approximate Surface Elevation	**19ft.**
Groundwater Level and Date Measured	**NA**	Sampling Method(s)	**Composite**	Hammer Data	**Direct Push Hammer**
Borehole Backfill	**Cuttings**	Location			

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	Material Type	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	Dry Unit Weight, pcf	Percent Fines	PID Reading, ppm	REMARKS AND OTHER TESTS
	0				Concrete		4 inches of concrete				ND	
							Urban Historic Fill - Brick, Soil , Concrete, Ash					
					SM		Brown Meium Sand Loam					
	5											
	10											
	15											
	20											
	25											
	30											

Data:TE Reports:Altmark:745 E133rd St Project:745 E133 Boring Logs.bg4((master 4 lab).tpl]

Project: **Altmark Group, LLC**

Project Location: **745 East 133rd Street, Bronx, NY**

Project Number:

Key to Log of Boring

Sheet 1 of 1

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	Material Type	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	Dry Unit Weight, pcf	Percent Fines	PID Reading, ppm	REMARKS AND OTHER TESTS
1	2	3	4	5	6	7	8	9	10	11	12	13

COLUMN DESCRIPTIONS

1 Elevation (feet): Elevation (MSL, feet).
2 Depth (feet): Depth in feet below the ground surface.
3 Sample Type: Type of soil sample collected at the depth interval shown.
4 Sample Number: Sample identification number.
5 Sampling Resistance, blows/ft: Number of blows to advance driven sampler one foot (or distance shown) beyond seating interval using the hammer identified on the boring log.
6 Material Type: Type of material encountered.
7 Graphic Log: Graphic depiction of the subsurface material encountered.
8 MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.
9 Water Content, %: Water content of the soil sample, expressed as percentage of dry weight of sample.
10 Dry Unit Weight, pcf: Dry weight per unit volume of soil sample measured in laboratory, in pounds per cubic foot.
11 Percent Fines: The percent fines (soil passing the No. 200 Sieve) in the sample. WA indicates a Wash Sieve, SA indicates a Sieve Analysis.
12 PID Reading, ppm: The reading from a photo-ionization detector, in parts per million.
13 REMARKS AND OTHER TESTS: Comments and observations regarding drilling or sampling made by driller or field personnel.

FIELD AND LABORATORY TEST ABBREVIATIONS

CHEM: Chemical tests to assess corrosivity
COMP: Compaction test
CONS: One-dimensional consolidation test
LL: Liquid Limit, percent
PI: Plasticity Index, percent
SA: Sieve analysis (percent passing No. 200 Sieve)
UC: Unconfined compressive strength test, Qu, in ksf
WA: Wash sieve (percent passing No. 200 Sieve)

MATERIAL GRAPHIC SYMBOLS

Portland Cement Concrete
Artificial Fill
Silty SAND (SM)

TYPICAL SAMPLER GRAPHIC SYMBOLS

Auger sampler
CME Sampler
Pitcher Sample
Bulk Sample
Grab Sample
2-inch-OD unlined split spoon (SPT)
3-inch-OD California w/ brass rings
2.5-inch-OD Modified California w/ brass liners
Shelby Tube (Thin-walled, fixed head)

OTHER GRAPHIC SYMBOLS

Water level (at time of drilling, ATD)
Water level (after waiting)
Minor change in material properties within a stratum
Inferred/gradational contact between strata
Queried contact between strata

GENERAL NOTES

1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2: Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

Data:TE Reports:Altmark:745 E133rd St Project:745 E133 Boring Logs.bg4[(master 4 lab).tpl]

Figure B-1

Project: **Altmark Group, LLC** Project Location: **745 East 133rd Street, Bronx, NY** Project Number:	Log of Boring SB-2 **Sheet 1 of 1**

Date(s) Drilled	**1/15/13**	Logged By	**ST**	Checked By	
Drilling Method	**GeoProbe**	Drill Bit Size/Type	**2"**	Total Depth of Borehole	**6.0 feet**
Drill Rig Type	**5410**	Drilling Contractor	**TJS,INC**	Approximate Surface Elevation	**19ft.**
Groundwater Level and Date Measured	**NA**	Sampling Method(s)	**Composite**	Hammer Data	**Direct Push Hammer**
Borehole Backfill	**Cuttings**	Location			

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	Material Type	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	Dry Unit Weight, pcf	Percent Fines	PID Reading, ppm	REMARKS AND OTHER TESTS
	0				Concrete		Concrete				ND	
					Fill		Historic Urban Fill, Including Brick, Concrete, Ash, & Brown sand loam					
					SM		Brown Medium Sand Loam				ND	
	5				Shale		Red, Black, White, Green Weathered Bedrock					
					Shale		Refusal					
	10											
	15											
	20											
	25											
	30											

Data:TE Reports:Altmark:745 E133rd St Project:745 E133 Boring Logs.bg4((master 4 lab).tpl]

Project: **Altmark Group, LLC**

Project Location: **745 East 133rd Street, Bronx, NY**

Project Number:

Key to Log of Boring

Sheet 1 of 1

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	Material Type	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	Dry Unit Weight, pcf	Percent Fines	PID Reading, ppm	REMARKS AND OTHER TESTS
1	2	3	4	5	6	7	8	9	10	11	12	13

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13 REMARKS AND OTHER TESTS: Comments and observations regarding drilling or sampling made by driller or field personnel.

FIELD AND LABORATORY TEST ABBREVIATIONS

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COMP: Compaction test
CONS: One-dimensional consolidation test
LL: Liquid Limit, percent
PI: Plasticity Index, percent
SA: Sieve analysis (percent passing No. 200 Sieve)
UC: Unconfined compressive strength test, Qu, in ksf
WA: Wash sieve (percent passing No. 200 Sieve)

MATERIAL GRAPHIC SYMBOLS

Portland Cement Concrete
AF
Shale
Silty SAND (SM)

TYPICAL SAMPLER GRAPHIC SYMBOLS

Auger sampler
Bulk Sample
3-inch-OD California w/ brass rings
CME Sampler
Grab Sample
2.5-inch-OD Modified California w/ brass liners
Pitcher Sample
2-inch-OD unlined split spoon (SPT)
Shelby Tube (Thin-walled, fixed head)

OTHER GRAPHIC SYMBOLS

Water level (at time of drilling, ATD)
Water level (after waiting)
Minor change in material properties within a stratum
Inferred/gradational contact between strata
Queried contact between strata

GENERAL NOTES

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Data:TE Reports:Altmark:745 E133rd St Project:745 E133 Boring Logs.bg4[(master 4 lab).tpl]

Figure B-1

Project: **Altmark Group, LLC** Project Location: **745 East 133rd Street, Bronx, NY** Project Number:	Log of Boring SB-3 **Sheet 1 of 1**

Date(s) Drilled	**1/15/13**	Logged By	**ST**	Checked By	
Drilling Method	**GeoProbe**	Drill Bit Size/Type	**2"**	Total Depth of Borehole	**2 feet**
Drill Rig Type	**5410**	Drilling Contractor	**TJS,INC**	Approximate Surface Elevation	**19ft.**
Groundwater Level and Date Measured	**NA**	Sampling Method(s)	**Composite**	Hammer Data	**Direct Push Hammer**
Borehole Backfill	**Cuttings**	Location			

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	Material Type	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	Dry Unit Weight, pcf	Percent Fines	PID Reading, ppm	REMARKS AND OTHER TESTS
	0				Concrete		Concrete				ND	
					SM		Brown Medium Sand Loam					
					Shale		Refusal					
	5											
	10											
	15											
	20											
	25											
	30											

Data:TE Reports:Altmark:745 E133rd St Project:745 E133 Boring Logs.bg4((master 4 lab).tpl]

Project: **Altmark Group, LLC**

Project Location: **745 East 133rd Street, Bronx, NY**

Project Number:

Key to Log of Boring

Sheet 1 of 1

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	Material Type	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	Dry Unit Weight, pcf	Percent Fines	PID Reading, ppm	REMARKS AND OTHER TESTS
1	2	3	4	5	6	7	8	9	10	11	12	13

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5 Sampling Resistance, blows/ft: Number of blows to advance driven sampler one foot (or distance shown) beyond seating interval using the hammer identified on the boring log.
6 Material Type: Type of material encountered.
7 Graphic Log: Graphic depiction of the subsurface material encountered.
8 MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.
9 Water Content, %: Water content of the soil sample, expressed as percentage of dry weight of sample.
10 Dry Unit Weight, pcf: Dry weight per unit volume of soil sample measured in laboratory, in pounds per cubic foot.
11 Percent Fines: The percent fines (soil passing the No. 200 Sieve) in the sample. WA indicates a Wash Sieve, SA indicates a Sieve Analysis.
12 PID Reading, ppm: The reading from a photo-ionization detector, in parts per million.
13 REMARKS AND OTHER TESTS: Comments and observations regarding drilling or sampling made by driller or field personnel.

FIELD AND LABORATORY TEST ABBREVIATIONS

CHEM: Chemical tests to assess corrosivity
COMP: Compaction test
CONS: One-dimensional consolidation test
LL: Liquid Limit, percent
PI: Plasticity Index, percent
SA: Sieve analysis (percent passing No. 200 Sieve)
UC: Unconfined compressive strength test, Qu, in ksf
WA: Wash sieve (percent passing No. 200 Sieve)

MATERIAL GRAPHIC SYMBOLS

Portland Cement Concrete
Shale
Silty SAND (SM)

TYPICAL SAMPLER GRAPHIC SYMBOLS

Auger sampler
CME Sampler
Pitcher Sample
Bulk Sample
Grab Sample
2-inch-OD unlined split spoon (SPT)
3-inch-OD California w/ brass rings
2.5-inch-OD Modified California w/ brass liners
Shelby Tube (Thin-walled, fixed head)

OTHER GRAPHIC SYMBOLS

Water level (at time of drilling, ATD)
Water level (after waiting)
Minor change in material properties within a stratum
Inferred/gradational contact between strata
Queried contact between strata

GENERAL NOTES

1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2: Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

Data:TE Reports:Altmark:745 E133rd St Project:745 E133 Boring Logs.bg4[(master 4 lab).tpl]

Figure B-1

Project: **Altmark Group, LLC** Project Location: **745 East 133rd Street, Bronx, NY** Project Number:	Log of Boring SB-4 **Sheet 1 of 1**

Date(s) Drilled	**1/15/13**	Logged By	**ST**	Checked By	
Drilling Method	**GeoProbe**	Drill Bit Size/Type	**2"**	Total Depth of Borehole	**6 feet**
Drill Rig Type	**5410**	Drilling Contractor	**TJS,INC**	Approximate Surface Elevation	**19ft.**
Groundwater Level and Date Measured	**NA**	Sampling Method(s)	**Composite**	Hammer Data	**Direct Push Hammer**
Borehole Backfill	**Cuttings**	Location			

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	Material Type	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	Dry Unit Weight, pcf	Percent Fines	PID Reading, ppm	REMARKS AND OTHER TESTS
	0				Concrete SM		Concrete Brown Medium Sand Loam				ND	
	5				Shale		Refusal on Bedrock				ND	
	10											
	15											
	20											
	25											
	30											

Data:TE Reports:Altmark:745 E133rd St Project:745 E133 Boring Logs.bg4((master 4 lab).tpl]

Project: **Altmark Group, LLC**

Project Location: **745 East 133rd Street, Bronx, NY**

Project Number:

Key to Log of Boring

Sheet 1 of 1

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	Material Type	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	Dry Unit Weight, pcf	Percent Fines	PID Reading, ppm	REMARKS AND OTHER TESTS
1	2	3	4	5	6	7	8	9	10	11	12	13

COLUMN DESCRIPTIONS

1 Elevation (feet): Elevation (MSL, feet).
2 Depth (feet): Depth in feet below the ground surface.
3 Sample Type: Type of soil sample collected at the depth interval shown.
4 Sample Number: Sample identification number.
5 Sampling Resistance, blows/ft: Number of blows to advance driven sampler one foot (or distance shown) beyond seating interval using the hammer identified on the boring log.
6 Material Type: Type of material encountered.
7 Graphic Log: Graphic depiction of the subsurface material encountered.
8 MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.
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10 Dry Unit Weight, pcf: Dry weight per unit volume of soil sample measured in laboratory, in pounds per cubic foot.
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CHEM: Chemical tests to assess corrosivity
COMP: Compaction test
CONS: One-dimensional consolidation test
LL: Liquid Limit, percent
PI: Plasticity Index, percent
SA: Sieve analysis (percent passing No. 200 Sieve)
UC: Unconfined compressive strength test, Qu, in ksf
WA: Wash sieve (percent passing No. 200 Sieve)

MATERIAL GRAPHIC SYMBOLS

Portland Cement Concrete
Shale
Silty SAND (SM)

TYPICAL SAMPLER GRAPHIC SYMBOLS

Auger sampler
CME Sampler
Pitcher Sample
Bulk Sample
Grab Sample
2-inch-OD unlined split spoon (SPT)
3-inch-OD California w/ brass rings
2.5-inch-OD Modified California w/ brass liners
Shelby Tube (Thin-walled, fixed head)

OTHER GRAPHIC SYMBOLS

Water level (at time of drilling, ATD)
Water level (after waiting)
Minor change in material properties within a stratum
Inferred/gradational contact between strata
Queried contact between strata

GENERAL NOTES

1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
2: Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced. They are not warranted to be representative of subsurface conditions at other locations or times.

Data:TE Reports:Altmark:745 E133rd St Project:745 E133 Boring Logs.bg4[(master 4 lab).tpl]

Figure B-1

Project: **Altmark Group, LLC** Project Location: **745 East 133rd Street, Bronx, NY** Project Number:	Log of Boring SB-5 **Sheet 1 of 1**

Date(s) Drilled	**1/15/13**	Logged By	**ST**	Checked By	
Drilling Method	**GeoProbe**	Drill Bit Size/Type	**2"**	Total Depth of Borehole	**4.5 feet**
Drill Rig Type	**5410**	Drilling Contractor	**TJS,INC**	Approximate Surface Elevation	**19ft.**
Groundwater Level and Date Measured	**NA**	Sampling Method(s)	**Composite**	Hammer Data	**Direct Push Hammer**
Borehole Backfill	**Cuttings**	Location			

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	Material Type	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	Dry Unit Weight, pcf	Percent Fines	PID Reading, ppm	REMARKS AND OTHER TESTS
	0				Concrete		Concrete					
					Fill		Historic Urban Fill, Including: Brick, Concrete, Ash, and Brown Loam Soil				ND	
					SM		Brown Medium Sand Loam				ND	
					Shale		Refusal on Bedrock					
	5											
	10											
	15											
	20											
	25											
	30											

Data:TE Reports:Altmark:745 E133rd St Project:745 E133 Boring Logs.bg4((master 4 lab).tpl]

Project: **Altmark Group, LLC**

Project Location: **745 East 133rd Street, Bronx, NY**

Project Number:

Key to Log of Boring

Sheet 1 of 1

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	Material Type	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	Dry Unit Weight, pcf	Percent Fines	PID Reading, ppm	REMARKS AND OTHER TESTS
1	2	3	4	5	6	7	8	9	10	11	12	13

COLUMN DESCRIPTIONS

1 Elevation (feet): Elevation (MSL, feet).
2 Depth (feet): Depth in feet below the ground surface.
3 Sample Type: Type of soil sample collected at the depth interval shown.
4 Sample Number: Sample identification number.
5 Sampling Resistance, blows/ft: Number of blows to advance driven sampler one foot (or distance shown) beyond seating interval using the hammer identified on the boring log.
6 Material Type: Type of material encountered.
7 Graphic Log: Graphic depiction of the subsurface material encountered.
8 MATERIAL DESCRIPTION: Description of material encountered. May include consistency, moisture, color, and other descriptive text.
9 Water Content, %: Water content of the soil sample, expressed as percentage of dry weight of sample.
10 Dry Unit Weight, pcf: Dry weight per unit volume of soil sample measured in laboratory, in pounds per cubic foot.
11 Percent Fines: The percent fines (soil passing the No. 200 Sieve) in the sample. WA indicates a Wash Sieve, SA indicates a Sieve Analysis.
12 PID Reading, ppm: The reading from a photo-ionization detector, in parts per million.
13 REMARKS AND OTHER TESTS: Comments and observations regarding drilling or sampling made by driller or field personnel.

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COMP: Compaction test
CONS: One-dimensional consolidation test
LL: Liquid Limit, percent
PI: Plasticity Index, percent
SA: Sieve analysis (percent passing No. 200 Sieve)
UC: Unconfined compressive strength test, Qu, in ksf
WA: Wash sieve (percent passing No. 200 Sieve)

MATERIAL GRAPHIC SYMBOLS

Portland Cement Concrete
AF
Shale
Silty SAND (SM)

TYPICAL SAMPLER GRAPHIC SYMBOLS

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Bulk Sample
3-inch-OD California w/ brass rings
CME Sampler
Grab Sample
2.5-inch-OD Modified California w/ brass liners
Pitcher Sample
2-inch-OD unlined split spoon (SPT)
Shelby Tube (Thin-walled, fixed head)

OTHER GRAPHIC SYMBOLS

Water level (at time of drilling, ATD)
Water level (after waiting)
Minor change in material properties within a stratum
Inferred/gradational contact between strata
Queried contact between strata

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1: Soil classifications are based on the Unified Soil Classification System. Descriptions and stratum lines are interpretive, and actual lithologic changes may be gradual. Field descriptions may have been modified to reflect results of lab tests.
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Data:TE Reports:Altmark:745 E133rd St Project:745 E133 Boring Logs.bg4[(master 4 lab).tpl]

Figure B-1

Project: **Altmark Group, LLC** Project Location: **745 East 133rd Street, Bronx, NY** Project Number:	Log of Boring SB-6 **Sheet 1 of 1**

Date(s) Drilled	**1/15/13**	Logged By	**ST**	Checked By	
Drilling Method	**GeoProbe**	Drill Bit Size/Type	**2"**	Total Depth of Borehole	**3.0 feet**
Drill Rig Type	**5410**	Drilling Contractor	**TJS,INC**	Approximate Surface Elevation	**19ft.**
Groundwater Level and Date Measured	**NA**	Sampling Method(s)	**Composite**	Hammer Data	**Direct Push Hammer**
Borehole Backfill	**Cuttings**	Location			

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	Material Type	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	Dry Unit Weight, pcf	Percent Fines	PID Reading, ppm	REMARKS AND OTHER TESTS
	0				Concrete		Concrete					
					Fill		Historic Urban Fill, Including: Brick, Concrete, Ash, Brown				ND	
					SM		Sand Loam					
					Shale		Brown Medium Sand Loam					
							Refusal					
	5											
	10											
	15											
	20											
	25											
	30											

Data:TE Reports:Altmark:745 E133rd St Project:745 E133 Boring Logs.bg4((master 4 lab).tpl]

Project: **Altmark Group, LLC**

Project Location: **745 East 133rd Street, Bronx, NY**

Project Number:

Key to Log of Boring

Sheet 1 of 1

Elevation (feet)	Depth (feet)	Sample Type	Sample Number	Sampling Resistance, blows/ft	Material Type	Graphic Log	MATERIAL DESCRIPTION	Water Content, %	Dry Unit Weight, pcf	Percent Fines	PID Reading, ppm	REMARKS AND OTHER TESTS
1	2	3	4	5	6	7	8	9	10	11	12	13

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1 Elevation (feet): Elevation (MSL, feet).
2 Depth (feet): Depth in feet below the ground surface.
3 Sample Type: Type of soil sample collected at the depth interval shown.
4 Sample Number: Sample identification number.
5 Sampling Resistance, blows/ft: Number of blows to advance driven sampler one foot (or distance shown) beyond seating interval using the hammer identified on the boring log.
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Pitcher Sample
2-inch-OD unlined split spoon (SPT)
Shelby Tube (Thin-walled, fixed head)

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Water level (at time of drilling, ATD)
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Data:TE Reports:Altmark:745 E133rd St Project:745 E133 Boring Logs.bg4[(master 4 lab).tpl]

Figure B-1

Appendix E

PHOENIX
Environmental Laboratories, Inc.

Tuesday, January 22, 2013

Attn: Mr. Scott Taylor
Taylord Environment, Inc.
24 Wing Ave
Dover Plains, NY 12522

Project ID: ALTMARK PROJECT
Sample ID#s: BD20279 - BD20281

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 22, 2013

FOR: Attn: Mr. Scott Taylor
Taylord Environment, Inc.
24 Wing Ave
Dover Plains, NY 12522

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		01/15/13	13:07
Location Code:	TAYLORD	Received by:	LB	01/16/13	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD20279
Phoenix ID: BD20279

Project ID: ALTMARK PROJECT
Client ID: GP-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	01/17/13	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	01/17/13	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	01/17/13	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	01/17/13	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	01/17/13	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	01/17/13	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	01/17/13	KCA	TO15	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	01/17/13	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	01/17/13	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	01/17/13	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/17/13	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/17/13	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	01/17/13	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	01/17/13	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	01/17/13	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	01/17/13	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	01/17/13	KCA	TO15	
Acetone	12.7	*0.421*	30.1	*1.00*	01/17/13	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	01/17/13	KCA	TO15	
Benzene	0.78	*0.313*	2.49	*1.00*	01/17/13	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	01/17/13	KCA	TO15	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	01/17/13	KCA	TO15	

Project ID: ALTMARK PROJECT
Client ID: GP-1

Phoenix I.D.: BD20279

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND	*0.097*	ND	*1.00*	01/17/13	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	01/17/13	KCA	TO15	
Carbon Disulfide	2	*0.321*	6.22	*1.00*	01/17/13	KCA	TO15	
Carbon Tetrachloride	0.05	*0.040*	0.314	*0.25*	01/17/13	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	01/17/13	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	01/17/13	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	01/17/13	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	01/17/13	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/17/13	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/17/13	KCA	TO15	1
Cyclohexane	ND	*0.291*	ND	*1.00*	01/17/13	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	01/17/13	KCA	TO15	
Dichlorodifluoromethane	0.49	*0.202*	2.42	*1.00*	01/17/13	KCA	TO15	
Ethanol	2.73	*0.531*	5.14	*1.00*	01/17/13	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	01/17/13	KCA	TO15	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	01/17/13	KCA	TO15	
Heptane	1.37	*0.244*	5.61	*1.00*	01/17/13	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	01/17/13	KCA	TO15	
Hexane	0.82	*0.284*	2.89	*1.00*	01/17/13	KCA	TO15	
Isopropylalcohol	ND	*0.407*	ND	*1.00*	01/17/13	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	01/17/13	KCA	TO15	
m,p-Xylene	0.46	*0.230*	2.00	*1.00*	01/17/13	KCA	TO15	
Methyl Ethyl Ketone	1.71	*0.339*	5.04	*1.00*	01/17/13	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	01/17/13	KCA	TO15	
Methylene Chloride	0.65	*0.288*	2.26	*1.00*	01/17/13	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	01/17/13	KCA	TO15	1
o-Xylene	ND	*0.230*	ND	*1.00*	01/17/13	KCA	TO15	
Propylene	23	*0.581*	39.6	*1.00*	01/17/13	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	01/17/13	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	01/17/13	KCA	TO15	
Tetrachloroethene	0.33	*0.037*	2.24	*0.25*	01/17/13	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	01/17/13	KCA	TO15	1
Toluene	1.41	*0.266*	5.31	*1.00*	01/17/13	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/17/13	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/17/13	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	01/17/13	KCA	TO15	
Trichlorofluoromethane	0.22	*0.178*	1.24	*1.00*	01/17/13	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	01/17/13	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	01/17/13	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	120	*%*	120	*%*	01/17/13	KCA	TO15	

Project ID: ALTMARK PROJECT

Client ID: GP-1

Phoenix I.D.: BD20279

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

January 22, 2013

Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 22, 2013

FOR: Attn: Mr. Scott Taylor
Taylord Environment, Inc.
24 Wing Ave
Dover Plains, NY 12522

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		01/15/13	13:22
Location Code:	TAYLORD	Received by:	LB	01/16/13	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD20279
Phoenix ID: BD20280

Project ID: ALTMARK PROJECT
Client ID: GP-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	01/17/13	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	01/17/13	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	01/17/13	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	01/17/13	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	01/17/13	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	01/17/13	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	01/17/13	KCA	TO15	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	01/17/13	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	01/17/13	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	01/17/13	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/17/13	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/17/13	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	01/17/13	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	01/17/13	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	01/17/13	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	01/17/13	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	01/17/13	KCA	TO15	
Acetone	6.21	*0.421*	14.7	*1.00*	01/17/13	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	01/17/13	KCA	TO15	
Benzene	0.59	*0.313*	1.88	*1.00*	01/17/13	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	01/17/13	KCA	TO15	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	01/17/13	KCA	TO15	

Project ID: ALTMARK PROJECT
Client ID: GP-2

Phoenix I.D.: BD20280

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND	*0.097*	ND	*1.00*	01/17/13	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	01/17/13	KCA	TO15	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	01/17/13	KCA	TO15	
Carbon Tetrachloride	ND	*0.040*	ND	*0.25*	01/17/13	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	01/17/13	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	01/17/13	KCA	TO15	
Chloroform	1.65	*0.205*	8.05	*1.00*	01/17/13	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	01/17/13	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/17/13	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/17/13	KCA	TO15	1
Cyclohexane	ND	*0.291*	ND	*1.00*	01/17/13	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	01/17/13	KCA	TO15	
Dichlorodifluoromethane	0.66	*0.202*	3.26	*1.00*	01/17/13	KCA	TO15	
Ethanol	1.83	*0.531*	3.44	*1.00*	01/17/13	KCA	TO15	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	01/17/13	KCA	TO15	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	01/17/13	KCA	TO15	
Heptane	ND	*0.244*	ND	*1.00*	01/17/13	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	01/17/13	KCA	TO15	
Hexane	0.29	*0.284*	1.02	*1.00*	01/17/13	KCA	TO15	
Isopropylalcohol	3.23	*0.407*	7.93	*1.00*	01/17/13	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	01/17/13	KCA	TO15	
m,p-Xylene	0.29	*0.230*	1.26	*1.00*	01/17/13	KCA	TO15	
Methyl Ethyl Ketone	0.52	*0.339*	1.53	*1.00*	01/17/13	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	01/17/13	KCA	TO15	
Methylene Chloride	0.3	*0.288*	1.04	*1.00*	01/17/13	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	01/17/13	KCA	TO15	1
o-Xylene	ND	*0.230*	ND	*1.00*	01/17/13	KCA	TO15	
Propylene	5.66	*0.581*	9.74	*1.00*	01/17/13	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	01/17/13	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	01/17/13	KCA	TO15	
Tetrachloroethene	0.34	*0.037*	2.30	*0.25*	01/17/13	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	01/17/13	KCA	TO15	1
Toluene	1.11	*0.266*	4.18	*1.00*	01/17/13	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/17/13	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/17/13	KCA	TO15	
Trichloroethene	0.06	*0.047*	0.322	*0.25*	01/17/13	KCA	TO15	
Trichlorofluoromethane	0.23	*0.178*	1.29	*1.00*	01/17/13	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	01/17/13	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	01/17/13	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	103	*%*	103	*%*	01/17/13	KCA	TO15	

Project ID: ALTMARK PROJECT

Client ID: GP-2

Phoenix I.D.: BD20280

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

January 22, 2013

Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 22, 2013

FOR: Attn: Mr. Scott Taylor
Taylord Environment, Inc.
24 Wing Ave
Dover Plains, NY 12522

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		01/15/13	13:34
Location Code:	TAYLORD	Received by:	LB	01/16/13	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD20279
Phoenix ID: BD20281

Project ID: ALTMARK PROJECT
Client ID: GP-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	01/17/13	KCA	TO15	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	01/17/13	KCA	TO15	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	01/17/13	KCA	TO15	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	01/17/13	KCA	TO15	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	01/17/13	KCA	TO15	
1,1-Dichloroethene	ND	*0.252*	ND	*1.00*	01/17/13	KCA	TO15	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	01/17/13	KCA	TO15	
1,2,4-Trimethylbenzene	0.28	*0.204*	1.38	*1.00*	01/17/13	KCA	TO15	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-dichloropropane	ND	*0.216*	ND	*1.00*	01/17/13	KCA	TO15	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	01/17/13	KCA	TO15	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	01/17/13	KCA	TO15	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	01/17/13	KCA	TO15	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/17/13	KCA	TO15	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	01/17/13	KCA	TO15	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	01/17/13	KCA	TO15	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	01/17/13	KCA	TO15	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	01/17/13	KCA	TO15	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	01/17/13	KCA	TO15	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	01/17/13	KCA	TO15	
Acetone	347	*0.421*	824	*1.00*	01/17/13	KCA	TO15	
Acrylonitrile	ND	*0.461*	ND	*1.00*	01/17/13	KCA	TO15	
Benzene	1.17	*0.313*	3.74	*1.00*	01/17/13	KCA	TO15	
Benzyl chloride	ND	*0.193*	ND	*1.00*	01/17/13	KCA	TO15	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	01/17/13	KCA	TO15	

Project ID: ALTMARK PROJECT
Client ID: GP-3

Phoenix I.D.: BD20281

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference	
Bromoform	ND	*0.097*	ND	*1.00*	01/17/13	KCA	TO15	
Bromomethane	ND	*0.258*	ND	*1.00*	01/17/13	KCA	TO15	
Carbon Disulfide	1.04	*0.321*	3.24	*1.00*	01/17/13	KCA	TO15	
Carbon Tetrachloride	0.05	*0.040*	0.314	*0.25*	01/17/13	KCA	TO15	
Chlorobenzene	ND	*0.217*	ND	*1.00*	01/17/13	KCA	TO15	
Chloroethane	ND	*0.379*	ND	*1.00*	01/17/13	KCA	TO15	
Chloroform	ND	*0.205*	ND	*1.00*	01/17/13	KCA	TO15	
Chloromethane	ND	*0.484*	ND	*1.00*	01/17/13	KCA	TO15	
Cis-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/17/13	KCA	TO15	
cis-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/17/13	KCA	TO15	1
Cyclohexane	ND	*0.291*	ND	*1.00*	01/17/13	KCA	TO15	
Dibromochloromethane	ND	*0.117*	ND	*1.00*	01/17/13	KCA	TO15	
Dichlorodifluoromethane	0.48	*0.202*	2.37	*1.00*	01/17/13	KCA	TO15	
Ethanol	148	*0.531*	279	*1.00*	01/17/13	KCA	TO15	1
Ethyl acetate	5.36	*0.278*	19.3	*1.00*	01/17/13	KCA	TO15	1
Ethylbenzene	1.19	*0.230*	5.16	*1.00*	01/17/13	KCA	TO15	
Heptane	0.42	*0.244*	1.72	*1.00*	01/17/13	KCA	TO15	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	01/17/13	KCA	TO15	
Hexane	0.65	*0.284*	2.29	*1.00*	01/17/13	KCA	TO15	
Isopropylalcohol	13.2	*0.407*	32.4	*1.00*	01/17/13	KCA	TO15	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	01/17/13	KCA	TO15	
m,p-Xylene	3.74	*0.230*	16.2	*1.00*	01/17/13	KCA	TO15	
Methyl Ethyl Ketone	3.24	*0.339*	9.55	*1.00*	01/17/13	KCA	TO15	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	01/17/13	KCA	TO15	
Methylene Chloride	0.3	*0.288*	1.04	*1.00*	01/17/13	KCA	TO15	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	01/17/13	KCA	TO15	1
o-Xylene	1.21	*0.230*	5.25	*1.00*	01/17/13	KCA	TO15	
Propylene	2.9	*0.581*	4.99	*1.00*	01/17/13	KCA	TO15	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	01/17/13	KCA	TO15	1
Styrene	ND	*0.235*	ND	*1.00*	01/17/13	KCA	TO15	
Tetrachloroethene	0.16	*0.037*	1.08	*0.25*	01/17/13	KCA	TO15	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	01/17/13	KCA	TO15	1
Toluene	4.49	*0.266*	16.9	*1.00*	01/17/13	KCA	TO15	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	01/17/13	KCA	TO15	
trans-1,3-Dichloropropene	ND	*0.220*	ND	*1.00*	01/17/13	KCA	TO15	
Trichloroethene	ND	*0.047*	ND	*0.25*	01/17/13	KCA	TO15	
Trichlorofluoromethane	0.21	*0.178*	1.18	*1.00*	01/17/13	KCA	TO15	
Trichlorotrifluoroethane	ND	*0.130*	ND	*1.00*	01/17/13	KCA	TO15	
Vinyl Chloride	ND	*0.098*	ND	*0.25*	01/17/13	KCA	TO15	
QA/QC Surrogates								
% Bromofluorobenzene	105	*%*	105	*%*	01/17/13	KCA	TO15	

Project ID: ALTMARK PROJECT

Phoenix I.D.: BD20281

Client ID: GP-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

January 22, 2013

Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

January 22, 2013

QA/QC Data

SDG I.D.: GBD20279

QA/QC Batch 218842, QC Sample No: BD20279 (BD20279)

Volatiles

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
1,1,1,2-Tetrachloroethane	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
1,3-Butadiene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	108	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
4-Isopropyltoluene	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	122	ND	ND	ND	ND	NC	70 - 130	20
Acetone	ND	ND	124	30.1	28.2	12.7	11.9	6.5	70 - 130	20
Acrylonitrile	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	94	2.49	2.52	0.78	0.79	1.3	70 - 130	20
Benzyl chloride	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	115	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	93	6.22	5.91	2	1.9	5.1	70 - 130	20
Carbon Tetrachloride	ND	ND	103	0.251	0.314	0.04	0.05	22.2	70 - 130	20
Chlorobenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
Chloromethane	ND	ND	94	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	117	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	116	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	93	ND	ND	ND	ND	NC	70 - 130	20
Dibromochloromethane	ND	ND	120	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	104	2.52	2.32	0.51	0.47	8.2	70 - 130	20
Ethanol	ND	ND	95	5.14	6.14	2.73	3.26	17.7	70 - 130	20

QA/QC Data

SDG I.D.: GBD20279

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Heptane	ND	ND	118	5.61	5.00	1.37	1.22	11.6	70 - 130	20
Hexachlorobutadiene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	93	2.89	3.20	0.82	0.91	10.4	70 - 130	20
Isopropylalcohol	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20
Isopropylbenzene	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
m,p-Xylene	ND	ND	104	2.17	1.91	0.5	0.44	12.8	70 - 130	20
Methyl Ethyl Ketone	ND	ND	96	5.04	5.01	1.71	1.7	0.6	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	99	2.26	2.92	0.65	0.84	25.5	70 - 130	20
n-Butylbenzene	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
o-Xylene	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
Propylene	ND	ND	97	39.6	37.0	23	21.5	6.7	70 - 130	20
sec-Butylbenzene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	108	2.17	2.17	0.32	0.32	0.0	70 - 130	20
Tetrahydrofuran	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
Toluene	ND	ND	105	5.31	5.01	1.41	1.33	5.8	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	109	ND	ND	ND	ND	NC	70 - 130	20
Trichlorofluoromethane	ND	ND	106	1.29	1.29	0.23	0.23	0.0	70 - 130	20
Trichlorotrifluoroethane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	103	103	103	120	116	120	116	3.4	70 - 130	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
January 22, 2013

Tuesday, January 22, 2013

Requested Criteria: 375

State: NY

Sample Criteria Exceedences Report

GBD20279 - TAYLORD

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

January 22, 2013

SDG I.D.: GBD20279

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. #

Data Delivery:
- ☐ Fax #:
- ☐ Email:
- ☐ Phone #:

Report to: Scott.

Customer: Taylord Env.

Address: 24 Wing Ave
Dover Plains, NY

~~Inquiries to:~~ AltMark Project
745 E. 133rd Street
Bronx, NY

Sampled by: Scott Taylor

Project Name:

Criteria Requested: Deliverable: RCP ☐ MCP ☐

State where samples collected:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
20279	GP-1	13640	6.0	-30	~~0.07~~ 0	4493	40	11:07	13:07	1/15/13	28	2					X
20280	GP-2	13651	↓	↓	0	5035	↓	11:22	13:22	1/15/13	29.5	2					X
20281	GP-3	230	↓	↓	0	4981	↓	11:34	13:34	1/15/13	28.5	1					X

Relinquished by:	Accepted by:	Date:	Time:
Scott Taylor 1/16/12	Jason Carroll	1/16/13	10:15
Jason Carroll	[illegible]	1-16-13	15:05

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

[illegible] SBell 16:20 1/16/13

Quote Number:

Data Format:
- Excel ☒
- Equis ☐
- GISKey ☐
- PDF ☒
- Other: ☐

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: Date: 1/15/13

PHOENIX
Environmental Laboratories, Inc.

Wednesday, January 30, 2013

Attn: Mr. Scott Taylor
Taylord Environment, Inc.
24 Wing Ave
Dover Plains, NY 12522

Project ID: ALTMARK PROJECT
Sample ID#s: BD20271 - BD20278

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

SDG Comments

January 30, 2013

SDG I.D.: GBD20271

BD20277 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2013

FOR: Attn: Mr. Scott Taylor
Taylord Environment, Inc.
24 Wing Ave
Dover Plains, NY 12522

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/15/13	0:00
Location Code:	TAYLORD	Received by:	LB	01/16/13	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD20271
Phoenix ID: BD20271

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.44	0.44	mg/Kg	01/17/13	EK	SW6010	
Aluminum	7490	67	mg/Kg	01/18/13	LK	SW6010	
Arsenic	7.6	0.9	mg/Kg	01/17/13	EK	SW6010	
Barium	1730	0.44	mg/Kg	01/17/13	EK	SW6010	
Beryllium	0.43	0.36	mg/Kg	01/17/13	EK	SW6010	
Calcium	77500	67	mg/Kg	01/18/13	LK	SW6010	
Cadmium	2.00	0.44	mg/Kg	01/17/13	EK	SW6010	
Cobalt	7.37	0.44	mg/Kg	01/17/13	EK	SW6010	
Chromium	34.5	0.44	mg/Kg	01/17/13	EK	SW6010	
Copper	57.2	0.44	mg/kg	01/17/13	EK	SW6010	B
Iron	9790	67	mg/Kg	01/18/13	EK	SW6010	
Mercury	1.05	0.09	mg/Kg	01/18/13	RS	SW-7471	
Potassium	3270	6.7	mg/Kg	01/17/13	EK	SW6010	
Magnesium	34800	67	mg/Kg	01/18/13	LK	SW6010	
Manganese	421	4.4	mg/Kg	01/18/13	LK	SW6010	
Sodium	236	6.7	mg/Kg	01/17/13	EK	SW6010	
Nickel	14.5	0.44	mg/Kg	01/17/13	EK	SW6010	
Lead	2880	44	mg/Kg	01/18/13	EK	SW6010	
Antimony	< 4.4	4.4	mg/Kg	01/17/13	LK	SW6010	
Selenium	< 1.8	1.8	mg/Kg	01/17/13	EK	SW6010	
Thallium	< 4.0	4.0	mg/Kg	01/17/13	EK	SW6010	
Vanadium	34.5	0.44	mg/Kg	01/17/13	EK	SW6010	
Zinc	1040	4.4	mg/Kg	01/18/13	LK	SW6010	
Percent Solid	77		%	01/16/13	JL	E160.3	
Soil Extraction for PCB	Completed			01/16/13	BB/V	SW3545	
Soil Extraction for Pesticide	Completed			01/16/13	BB	SW3545	
Soil Extraction for SVOA	Completed			01/16/13	PJ/V	SW3545	
Mercury Digestion	Completed			01/18/13	X/X	SW7471	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-1

Phoenix I.D.: BD20271

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed			01/16/13	AG	SW846 - 3050	
Field Extraction	Completed			01/15/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	86	ug/Kg	01/18/13	AW	SW 8082	
PCB-1221	ND	86	ug/Kg	01/18/13	AW	SW 8082	
PCB-1232	ND	86	ug/Kg	01/18/13	AW	SW 8082	
PCB-1242	ND	86	ug/Kg	01/18/13	AW	SW 8082	
PCB-1248	ND	86	ug/Kg	01/18/13	AW	SW 8082	
PCB-1254	ND	86	ug/Kg	01/18/13	AW	SW 8082	
PCB-1260	120	86	ug/Kg	01/18/13	AW	SW 8082	
PCB-1262	ND	86	ug/Kg	01/18/13	AW	SW 8082	
PCB-1268	ND	86	ug/Kg	01/18/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	73		%	01/18/13	AW	30 - 150 %	
% TCMX	58		%	01/18/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	53	13	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDE	31	13	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDT	180	13	ug/Kg	01/18/13	MH	SW8081	
a-BHC	ND	21	ug/Kg	01/18/13	MH	SW8081	
Alachlor	ND	21	ug/Kg	01/18/13	MH	SW8081	1
Aldrin	ND	6.5	ug/Kg	01/18/13	MH	SW8081	
b-BHC	ND	21	ug/Kg	01/18/13	MH	SW8081	
Chlordane	450	65	ug/Kg	01/18/13	MH	SW8081	
d-BHC	ND	21	ug/Kg	01/18/13	MH	SW8081	
Dieldrin	42	6.5	ug/Kg	01/18/13	MH	SW8081	
Endosulfan I	ND	21	ug/Kg	01/18/13	MH	SW8081	
Endosulfan II	ND	42	ug/Kg	01/18/13	MH	SW8081	
Endosulfan sulfate	ND	42	ug/Kg	01/18/13	MH	SW8081	
Endrin	ND	42	ug/Kg	01/18/13	MH	SW8081	
Endrin aldehyde	ND	42	ug/Kg	01/18/13	MH	SW8081	
Endrin ketone	ND	42	ug/Kg	01/18/13	MH	SW8081	
g-BHC	ND	6.5	ug/Kg	01/18/13	MH	SW8081	
Heptachlor	ND	13	ug/Kg	01/18/13	MH	SW8081	
Heptachlor epoxide	ND	21	ug/Kg	01/18/13	MH	SW8081	
Methoxychlor	ND	210	ug/Kg	01/18/13	MH	SW8081	
Toxaphene	ND	210	ug/Kg	01/18/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	67		%	01/18/13	MH	30 - 150 %	
% TCMX	71		%	01/18/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	340	ug/Kg	01/21/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	340	ug/Kg	01/21/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	210	ug/Kg	01/21/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	340	ug/Kg	01/21/13	R/J	SW8260	
1,1-Dichloroethane	ND	340	ug/Kg	01/21/13	R/J	SW8260	
1,1-Dichloroethene	ND	340	ug/Kg	01/21/13	R/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-1

Phoenix I.D.: BD20271

Parameter	Result		RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	LP
1,2,3-Trichloropropane	ND		340	ug/Kg	01/21/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND		340	ug/Kg	01/21/13	R/J	SW8260	
1,2-Dibromoethane	ND		340	ug/Kg	01/21/13	R/J	SW8260	LP
1,2-Dichlorobenzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
1,2-Dichloroethane	ND		340	ug/Kg	01/21/13	R/J	SW8260	
1,2-Dichloropropane	ND		340	ug/Kg	01/21/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
1,3-Dichlorobenzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
1,3-Dichloropropane	ND		340	ug/Kg	01/21/13	R/J	SW8260	
1,4-Dichlorobenzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
2,2-Dichloropropane	ND		340	ug/Kg	01/21/13	R/J	SW8260	
2-Chlorotoluene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
2-Hexanone	ND		1700	ug/Kg	01/21/13	R/J	SW8260	
2-Isopropyltoluene	ND		340	ug/Kg	01/21/13	R/J	SW8260	1
4-Chlorotoluene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
4-Methyl-2-pentanone	ND		1700	ug/Kg	01/21/13	R/J	SW8260	
Acetone	ND		6900	ug/Kg	01/21/13	R/J	SW8260	
Acrylonitrile	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Benzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Bromobenzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Bromochloromethane	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Bromodichloromethane	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Bromoform	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Bromomethane	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Carbon Disulfide	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Carbon tetrachloride	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Chlorobenzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Chloroethane	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Chloroform	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Chloromethane	ND		340	ug/Kg	01/21/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND		340	ug/Kg	01/21/13	R/J	SW8260	1
Dibromochloromethane	ND		210	ug/Kg	01/21/13	R/J	SW8260	
Dibromomethane	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Dichlorodifluoromethane	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Ethylbenzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Hexachlorobutadiene	ND		340	ug/Kg	01/21/13	R/J	SW8260	LP
Isopropylbenzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
m&p-Xylene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
Methyl Ethyl Ketone	ND		2100	ug/Kg	01/21/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND		690	ug/Kg	01/21/13	R/J	SW8260	
Methylene chloride	1500	S	340	ug/Kg	01/21/13	R/J	SW8260	
Naphthalene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
n-Butylbenzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
n-Propylbenzene	ND		340	ug/Kg	01/21/13	R/J	SW8260	
o-Xylene	ND		340	ug/Kg	01/21/13	R/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-1

Phoenix I.D.: BD20271

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
p-Isopropyltoluene	ND	340	ug/Kg	01/21/13	R/J	SW8260	
sec-Butylbenzene	ND	340	ug/Kg	01/21/13	R/J	SW8260	
Styrene	ND	340	ug/Kg	01/21/13	R/J	SW8260	
tert-Butylbenzene	ND	340	ug/Kg	01/21/13	R/J	SW8260	
Tetrachloroethene	ND	340	ug/Kg	01/21/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	690	ug/Kg	01/21/13	R/J	SW8260	1
Toluene	ND	340	ug/Kg	01/21/13	R/J	SW8260	
Total Xylenes	ND	340	ug/Kg	01/21/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	340	ug/Kg	01/21/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	340	ug/Kg	01/21/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	690	ug/Kg	01/21/13	R/J	SW8260	
Trichloroethene	ND	340	ug/Kg	01/21/13	R/J	SW8260	
Trichlorofluoromethane	ND	340	ug/Kg	01/21/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	340	ug/Kg	01/21/13	R/J	SW8260	
Vinyl chloride	ND	340	ug/Kg	01/21/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	01/21/13	R/J	70 - 130 %	
% Bromofluorobenzene	98		%	01/21/13	R/J	70 - 130 %	
% Dibromofluoromethane	91		%	01/21/13	R/J	70 - 130 %	
% Toluene-d8	99		%	01/21/13	R/J	70 - 130 %	

Semivolatiles

1,2-Dichlorobenzene	ND	1500	ug/Kg	01/18/13	DD	SW8270	
1,2-Diphenylhydrazine	ND	1500	ug/Kg	01/18/13	DD	SW8270	
1,3-Dichlorobenzene	ND	1500	ug/Kg	01/18/13	DD	SW8270	
1,4-Dichlorobenzene	ND	1500	ug/Kg	01/18/13	DD	SW8270	
2,4-Dinitrotoluene	ND	1500	ug/Kg	01/18/13	DD	SW8270	
2,6-Dinitrotoluene	ND	1500	ug/Kg	01/18/13	DD	SW8270	
2-Chloronaphthalene	ND	1500	ug/Kg	01/18/13	DD	SW8270	
2-Methylnaphthalene	ND	1500	ug/Kg	01/18/13	DD	SW8270	
2-Nitroaniline	ND	6100	ug/Kg	01/18/13	DD	SW8270	
3,3'-Dichlorobenzidine	ND	8500	ug/Kg	01/18/13	DD	SW8270	
3-Nitroaniline	ND	6100	ug/Kg	01/18/13	DD	SW8270	
4-Bromophenyl phenyl ether	ND	1500	ug/Kg	01/18/13	DD	SW8270	
4-Chloroaniline	ND	1500	ug/Kg	01/18/13	DD	SW8270	
4-Chlorophenyl phenyl ether	ND	1500	ug/Kg	01/18/13	DD	SW8270	
4-Nitroaniline	ND	6100	ug/Kg	01/18/13	DD	SW8270	
Acenaphthene	ND	1500	ug/Kg	01/18/13	DD	SW8270	
Acenaphthylene	ND	1500	ug/Kg	01/18/13	DD	SW8270	
Anthracene	2100	1500	ug/Kg	01/18/13	DD	SW8270	
Benz(a)anthracene	11000	1500	ug/Kg	01/18/13	DD	SW8270	
Benzidine	ND	8500	ug/Kg	01/18/13	DD	SW8270	
Benzo(a)pyrene	9300	1500	ug/Kg	01/18/13	DD	SW8270	
Benzo(b)fluoranthene	12000	1500	ug/Kg	01/18/13	DD	SW8270	
Benzo(ghi)perylene	4200	1500	ug/Kg	01/18/13	DD	SW8270	
Benzo(k)fluoranthene	3400	1500	ug/Kg	01/18/13	DD	SW8270	
Benzoic acid	ND	2100	ug/Kg	01/18/13	DD	SW8270	LO
Benzyl alcohol	ND	1500	ug/Kg	01/18/13	DD	SW8270	
Benzyl butyl phthalate	ND	1500	ug/Kg	01/18/13	DD	SW8270	
Bis(2-chloroethoxy)methane	ND	1500	ug/Kg	01/18/13	DD	SW8270	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-1

Phoenix I.D.: BD20271

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	1500	ug/Kg	01/18/13	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	1500	ug/Kg	01/18/13	DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	1500	ug/Kg	01/18/13	DD	SW8270
Chrysene	11000	1500	ug/Kg	01/18/13	DD	SW8270
Dibenz(a,h)anthracene	ND	1500	ug/Kg	01/18/13	DD	SW8270
Dibenzofuran	ND	1500	ug/Kg	01/18/13	DD	SW8270
Diethyl phthalate	ND	1500	ug/Kg	01/18/13	DD	SW8270
Dimethylphthalate	ND	1500	ug/Kg	01/18/13	DD	SW8270
Di-n-butylphthalate	ND	1500	ug/Kg	01/18/13	DD	SW8270
Di-n-octylphthalate	ND	1500	ug/Kg	01/18/13	DD	SW8270
Fluoranthene	13000	1500	ug/Kg	01/18/13	DD	SW8270
Fluorene	ND	1500	ug/Kg	01/18/13	DD	SW8270
Hexachlorobenzene	ND	1500	ug/Kg	01/18/13	DD	SW8270
Hexachlorobutadiene	ND	1500	ug/Kg	01/18/13	DD	SW8270
Hexachlorocyclopentadiene	ND	1500	ug/Kg	01/18/13	DD	SW8270
Hexachloroethane	ND	1500	ug/Kg	01/18/13	DD	SW8270
Indeno(1,2,3-cd)pyrene	4000	1500	ug/Kg	01/18/13	DD	SW8270
Isophorone	ND	1500	ug/Kg	01/18/13	DD	SW8270
Naphthalene	ND	1500	ug/Kg	01/18/13	DD	SW8270
Nitrobenzene	ND	1500	ug/Kg	01/18/13	DD	SW8270
N-Nitrosodimethylamine	ND	1500	ug/Kg	01/18/13	DD	SW8270
N-Nitrosodi-n-propylamine	ND	1500	ug/Kg	01/18/13	DD	SW8270
N-Nitrosodiphenylamine	ND	1500	ug/Kg	01/18/13	DD	SW8270
Phenanthrene	11000	1500	ug/Kg	01/18/13	DD	SW8270
Pyrene	11000	1500	ug/Kg	01/18/13	DD	SW8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	72		%	01/18/13	DD	30 - 130 %
% Nitrobenzene-d5	70		%	01/18/13	DD	30 - 130 %
% Terphenyl-d14	46		%	01/18/13	DD	30 - 130 %

Project ID: ALTMARK PROJECT

Client ID: 0-2 FT SB-1

Phoenix I.D.: BD20271

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

Elevated reporting limits for volatiles due to dilution for sample matrix. Low-level samples were analyzed with poor internal standard response.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

January 30, 2013

Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2013

FOR: Attn: Mr. Scott Taylor
Taylord Environment, Inc.
24 Wing Ave
Dover Plains, NY 12522

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/15/13	0:00
Location Code:	TAYLORD	Received by:	LB	01/16/13	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD20271
Phoenix ID: BD20272

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	mg/Kg	01/17/13	EK	SW6010	
Aluminum	6020	56	mg/Kg	01/18/13	LK	SW6010	
Arsenic	1.9	0.7	mg/Kg	01/17/13	EK	SW6010	
Barium	406	0.37	mg/Kg	01/17/13	EK	SW6010	
Beryllium	< 0.30	0.30	mg/Kg	01/17/13	EK	SW6010	
Calcium	156000	560	mg/Kg	01/18/13	EK	SW6010	
Cadmium	0.75	0.37	mg/Kg	01/17/13	EK	SW6010	
Cobalt	3.29	0.37	mg/Kg	01/17/13	EK	SW6010	
Chromium	15.6	0.37	mg/Kg	01/17/13	EK	SW6010	
Copper	30.6	0.37	mg/kg	01/17/13	EK	SW6010	B
Iron	14800	56	mg/Kg	01/18/13	EK	SW6010	
Mercury	0.46	0.07	mg/Kg	01/18/13	RS	SW-7471	
Potassium	2200	56	mg/Kg	01/18/13	LK	SW6010	
Magnesium	47500	56	mg/Kg	01/18/13	LK	SW6010	
Manganese	211	3.7	mg/Kg	01/18/13	LK	SW6010	
Sodium	359	5.6	mg/Kg	01/17/13	EK	SW6010	
Nickel	8.49	0.37	mg/Kg	01/17/13	EK	SW6010	
Lead	591	3.7	mg/Kg	01/18/13	LK	SW6010	
Antimony	< 3.7	3.7	mg/Kg	01/17/13	LK	SW6010	
Selenium	< 1.5	1.5	mg/Kg	01/17/13	EK	SW6010	
Thallium	< 3.4	3.4	mg/Kg	01/17/13	EK	SW6010	
Vanadium	25.4	0.37	mg/Kg	01/17/13	EK	SW6010	
Zinc	354	3.7	mg/Kg	01/18/13	LK	SW6010	
Percent Solid	85		%	01/16/13	JL	E160.3	
Soil Extraction for PCB	Completed			01/16/13	BB/V	SW3545	
Soil Extraction for Pesticide	Completed			01/16/13	BB	SW3545	
Soil Extraction for SVOA	Completed			01/16/13	PJ/V	SW3545	
Mercury Digestion	Completed			01/18/13	X/X	SW7471	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-2

Phoenix I.D.: BD20272

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed			01/16/13	AG	SW846 - 3050	
Field Extraction	Completed			01/15/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	76	ug/Kg	01/18/13	AW	SW 8082	
PCB-1221	ND	76	ug/Kg	01/18/13	AW	SW 8082	
PCB-1232	ND	76	ug/Kg	01/18/13	AW	SW 8082	
PCB-1242	ND	76	ug/Kg	01/18/13	AW	SW 8082	
PCB-1248	ND	76	ug/Kg	01/18/13	AW	SW 8082	
PCB-1254	ND	76	ug/Kg	01/18/13	AW	SW 8082	
PCB-1260	ND	76	ug/Kg	01/18/13	AW	SW 8082	
PCB-1262	ND	76	ug/Kg	01/18/13	AW	SW 8082	
PCB-1268	ND	76	ug/Kg	01/18/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	74		%	01/18/13	AW	30 - 150 %	
% TCMX	62		%	01/18/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	11	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDE	33	11	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDT	150	11	ug/Kg	01/18/13	MH	SW8081	
a-BHC	ND	18	ug/Kg	01/18/13	MH	SW8081	
Alachlor	ND	18	ug/Kg	01/18/13	MH	SW8081	1
Aldrin	ND	5.7	ug/Kg	01/18/13	MH	SW8081	
b-BHC	ND	18	ug/Kg	01/18/13	MH	SW8081	
Chlordane	220	57	ug/Kg	01/18/13	MH	SW8081	
d-BHC	ND	18	ug/Kg	01/18/13	MH	SW8081	
Dieldrin	52	5.7	ug/Kg	01/18/13	MH	SW8081	
Endosulfan I	ND	18	ug/Kg	01/18/13	MH	SW8081	
Endosulfan II	ND	36	ug/Kg	01/18/13	MH	SW8081	
Endosulfan sulfate	ND	36	ug/Kg	01/18/13	MH	SW8081	
Endrin	ND	36	ug/Kg	01/18/13	MH	SW8081	
Endrin aldehyde	ND	36	ug/Kg	01/18/13	MH	SW8081	
Endrin ketone	ND	36	ug/Kg	01/18/13	MH	SW8081	
g-BHC	ND	5.7	ug/Kg	01/18/13	MH	SW8081	
Heptachlor	ND	11	ug/Kg	01/18/13	MH	SW8081	
Heptachlor epoxide	ND	18	ug/Kg	01/18/13	MH	SW8081	
Methoxychlor	ND	180	ug/Kg	01/18/13	MH	SW8081	
Toxaphene	ND	180	ug/Kg	01/18/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	76		%	01/18/13	MH	30 - 150 %	
% TCMX	82		%	01/18/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.5	ug/Kg	01/18/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,1-Dichloroethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,1-Dichloroethene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-2

Phoenix I.D.: BD20272

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	LP
1,2,3-Trichloropropane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dibromoethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dichloroethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dichloropropane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,3-Dichloropropane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
2,2-Dichloropropane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
2-Chlorotoluene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
2-Hexanone	ND	29	ug/Kg	01/18/13	R/J	SW8260	
2-Isopropyltoluene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	1
4-Chlorotoluene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	29	ug/Kg	01/18/13	R/J	SW8260	
Acetone	ND	29	ug/Kg	01/18/13	R/J	SW8260	
Acrylonitrile	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Benzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Bromobenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Bromochloromethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Bromodichloromethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Bromoform	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Bromomethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Carbon Disulfide	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Carbon tetrachloride	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Chlorobenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Chloroethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Chloroform	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Chloromethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	1
Dibromochloromethane	ND	3.5	ug/Kg	01/18/13	R/J	SW8260	
Dibromomethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Ethylbenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	LP
Isopropylbenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
m&p-Xylene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	35	ug/Kg	01/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	01/18/13	R/J	SW8260	
Methylene chloride	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Naphthalene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
n-Butylbenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
n-Propylbenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
o-Xylene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
p-Isopropyltoluene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
sec-Butylbenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Styrene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
tert-Butylbenzene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Tetrachloroethene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	01/18/13	R/J	SW8260	1
Toluene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Total Xylenes	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	01/18/13	R/J	SW8260	
Trichloroethene	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
Vinyl chloride	ND	5.8	ug/Kg	01/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103		%	01/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	84		%	01/18/13	R/J	70 - 130 %	
% Dibromofluoromethane	97		%	01/18/13	R/J	70 - 130 %	
% Toluene-d8	95		%	01/18/13	R/J	70 - 130 %	

Semivolatiles

1,2-Dichlorobenzene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
1,2-Diphenylhydrazine	ND	1400	ug/Kg	01/18/13	DD	SW8270	
1,3-Dichlorobenzene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
1,4-Dichlorobenzene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
2,4-Dinitrotoluene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
2,6-Dinitrotoluene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
2-Chloronaphthalene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
2-Methylnaphthalene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
2-Nitroaniline	ND	5700	ug/Kg	01/18/13	DD	SW8270	
3,3'-Dichlorobenzidine	ND	7800	ug/Kg	01/18/13	DD	SW8270	
3-Nitroaniline	ND	5700	ug/Kg	01/18/13	DD	SW8270	
4-Bromophenyl phenyl ether	ND	1400	ug/Kg	01/18/13	DD	SW8270	
4-Chloroaniline	ND	1400	ug/Kg	01/18/13	DD	SW8270	
4-Chlorophenyl phenyl ether	ND	1400	ug/Kg	01/18/13	DD	SW8270	
4-Nitroaniline	ND	5700	ug/Kg	01/18/13	DD	SW8270	
Acenaphthene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
Acenaphthylene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
Anthracene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
Benz(a)anthracene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
Benzidine	ND	7800	ug/Kg	01/18/13	DD	SW8270	
Benzo(a)pyrene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
Benzo(b)fluoranthene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
Benzo(ghi)perylene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
Benzo(k)fluoranthene	ND	1400	ug/Kg	01/18/13	DD	SW8270	
Benzoic acid	ND	2000	ug/Kg	01/18/13	DD	SW8270	LO
Benzyl alcohol	ND	1400	ug/Kg	01/18/13	DD	SW8270	
Benzyl butyl phthalate	ND	1400	ug/Kg	01/18/13	DD	SW8270	
Bis(2-chloroethoxy)methane	ND	1400	ug/Kg	01/18/13	DD	SW8270	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-2

Phoenix I.D.: BD20272

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	1400	ug/Kg	01/18/13	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	1400	ug/Kg	01/18/13	DD	SW8270
Bis(2-ethylhexyl)phthalate	ND	1400	ug/Kg	01/18/13	DD	SW8270
Chrysene	ND	1400	ug/Kg	01/18/13	DD	SW8270
Dibenz(a,h)anthracene	ND	1400	ug/Kg	01/18/13	DD	SW8270
Dibenzofuran	ND	1400	ug/Kg	01/18/13	DD	SW8270
Diethyl phthalate	ND	1400	ug/Kg	01/18/13	DD	SW8270
Dimethylphthalate	ND	1400	ug/Kg	01/18/13	DD	SW8270
Di-n-butylphthalate	ND	1400	ug/Kg	01/18/13	DD	SW8270
Di-n-octylphthalate	ND	1400	ug/Kg	01/18/13	DD	SW8270
Fluoranthene	ND	1400	ug/Kg	01/18/13	DD	SW8270
Fluorene	ND	1400	ug/Kg	01/18/13	DD	SW8270
Hexachlorobenzene	ND	1400	ug/Kg	01/18/13	DD	SW8270
Hexachlorobutadiene	ND	1400	ug/Kg	01/18/13	DD	SW8270
Hexachlorocyclopentadiene	ND	1400	ug/Kg	01/18/13	DD	SW8270
Hexachloroethane	ND	1400	ug/Kg	01/18/13	DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	1400	ug/Kg	01/18/13	DD	SW8270
Isophorone	ND	1400	ug/Kg	01/18/13	DD	SW8270
Naphthalene	ND	1400	ug/Kg	01/18/13	DD	SW8270
Nitrobenzene	ND	1400	ug/Kg	01/18/13	DD	SW8270
N-Nitrosodimethylamine	ND	1400	ug/Kg	01/18/13	DD	SW8270
N-Nitrosodi-n-propylamine	ND	1400	ug/Kg	01/18/13	DD	SW8270
N-Nitrosodiphenylamine	ND	1400	ug/Kg	01/18/13	DD	SW8270
Phenanthrene	ND	1400	ug/Kg	01/18/13	DD	SW8270
Pyrene	ND	1400	ug/Kg	01/18/13	DD	SW8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	69		%	01/18/13	DD	30 - 130 %
% Nitrobenzene-d5	68		%	01/18/13	DD	30 - 130 %
% Terphenyl-d14	42		%	01/18/13	DD	30 - 130 %

Project ID: ALTMARK PROJECT

Client ID: 0-2 FT SB-2

Phoenix I.D.: BD20272

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

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1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
January 30, 2013
Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2013

FOR: Attn: Mr. Scott Taylor
Taylord Environment, Inc.
24 Wing Ave
Dover Plains, NY 12522

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/15/13	0:00
Location Code:	TAYLORD	Received by:	LB	01/16/13	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD20271
Phoenix ID: BD20273

Project ID: ALTMARK PROJECT
Client ID: 3-6 FT SB-1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	mg/Kg	01/17/13	EK	SW6010	
Aluminum	19800	56	mg/Kg	01/18/13	LK	SW6010	
Arsenic	< 0.7	0.7	mg/Kg	01/17/13	EK	SW6010	
Barium	392	0.37	mg/Kg	01/17/13	EK	SW6010	
Beryllium	< 0.30	0.30	mg/Kg	01/17/13	EK	SW6010	
Calcium	1230	5.6	mg/Kg	01/17/13	EK	SW6010	
Cadmium	0.39	0.37	mg/Kg	01/17/13	EK	SW6010	
Cobalt	9.84	0.37	mg/Kg	01/17/13	EK	SW6010	
Chromium	70.8	0.37	mg/Kg	01/17/13	EK	SW6010	
Copper	28.3	0.37	mg/kg	01/17/13	EK	SW6010	B
Iron	22400	56	mg/Kg	01/18/13	EK	SW6010	
Mercury	0.14	0.08	mg/Kg	01/18/13	RS	SW-7471	
Potassium	17400	56	mg/Kg	01/18/13	LK	SW6010	
Magnesium	10800	56	mg/Kg	01/18/13	LK	SW6010	
Manganese	485	3.7	mg/Kg	01/18/13	LK	SW6010	
Sodium	206	5.6	mg/Kg	01/17/13	EK	SW6010	
Nickel	23.6	0.37	mg/Kg	01/17/13	EK	SW6010	
Lead	3.07	0.37	mg/Kg	01/17/13	EK	SW6010	
Antimony	< 3.7	3.7	mg/Kg	01/17/13	LK	SW6010	
Selenium	< 1.5	1.5	mg/Kg	01/18/13	EK	SW6010	
Thallium	< 3.3	3.3	mg/Kg	01/17/13	EK	SW6010	
Vanadium	76.2	0.37	mg/Kg	01/17/13	EK	SW6010	
Zinc	69.0	0.37	mg/Kg	01/17/13	EK	SW6010	
Percent Solid	96		%	01/16/13	JL	E160.3	
Soil Extraction for PCB	Completed			01/16/13	BB/V	SW3545	
Soil Extraction for Pesticide	Completed			01/16/13	BB	SW3545	
Soil Extraction for SVOA	Completed			01/16/13	PJ/V	SW3545	
Mercury Digestion	Completed			01/18/13	X/X	SW7471	

Project ID: ALTMARK PROJECT
Client ID: 3-6 FT SB-1

Phoenix I.D.: BD20273

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed			01/16/13	AG	SW846 - 3050	
Field Extraction	Completed			01/15/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	69	ug/Kg	01/17/13	AW	SW 8082	
PCB-1221	ND	69	ug/Kg	01/17/13	AW	SW 8082	
PCB-1232	ND	69	ug/Kg	01/17/13	AW	SW 8082	
PCB-1242	ND	69	ug/Kg	01/17/13	AW	SW 8082	
PCB-1248	ND	69	ug/Kg	01/17/13	AW	SW 8082	
PCB-1254	ND	69	ug/Kg	01/17/13	AW	SW 8082	
PCB-1260	ND	69	ug/Kg	01/17/13	AW	SW 8082	
PCB-1262	ND	69	ug/Kg	01/17/13	AW	SW 8082	
PCB-1268	ND	69	ug/Kg	01/17/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	75		%	01/17/13	AW	30 - 150 %	
% TCMX	53		%	01/17/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	2.1	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDE	ND	2.1	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDT	ND	2.1	ug/Kg	01/18/13	MH	SW8081	
a-BHC	ND	3.3	ug/Kg	01/18/13	MH	SW8081	
Alachlor	ND	3.3	ug/Kg	01/18/13	MH	SW8081	1
Aldrin	ND	1.0	ug/Kg	01/18/13	MH	SW8081	
b-BHC	ND	3.3	ug/Kg	01/18/13	MH	SW8081	
Chlordane	ND	10	ug/Kg	01/18/13	MH	SW8081	
d-BHC	ND	3.3	ug/Kg	01/18/13	MH	SW8081	
Dieldrin	ND	1.0	ug/Kg	01/18/13	MH	SW8081	
Endosulfan I	ND	3.3	ug/Kg	01/18/13	MH	SW8081	
Endosulfan II	ND	6.6	ug/Kg	01/18/13	MH	SW8081	
Endosulfan sulfate	ND	6.6	ug/Kg	01/18/13	MH	SW8081	
Endrin	ND	6.6	ug/Kg	01/18/13	MH	SW8081	
Endrin aldehyde	ND	6.6	ug/Kg	01/18/13	MH	SW8081	
Endrin ketone	ND	6.6	ug/Kg	01/18/13	MH	SW8081	
g-BHC	ND	1.0	ug/Kg	01/18/13	MH	SW8081	
Heptachlor	ND	2.1	ug/Kg	01/18/13	MH	SW8081	
Heptachlor epoxide	ND	3.3	ug/Kg	01/18/13	MH	SW8081	
Methoxychlor	ND	33	ug/Kg	01/18/13	MH	SW8081	
Toxaphene	ND	33	ug/Kg	01/18/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	64		%	01/18/13	MH	30 - 150 %	
% TCMX	55		%	01/18/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	2.6	ug/Kg	01/18/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,1-Dichloroethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,1-Dichloroethene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 3-6 FT SB-1

Phoenix I.D.: BD20273

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	LP
1,2,3-Trichloropropane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dibromoethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dichloroethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dichloropropane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,3-Dichloropropane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
2,2-Dichloropropane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
2-Chlorotoluene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
2-Hexanone	ND	21	ug/Kg	01/18/13	R/J	SW8260	
2-Isopropyltoluene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	1
4-Chlorotoluene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	21	ug/Kg	01/18/13	R/J	SW8260	
Acetone	ND	21	ug/Kg	01/18/13	R/J	SW8260	
Acrylonitrile	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Benzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Bromobenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Bromochloromethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Bromodichloromethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Bromoform	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Bromomethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Carbon Disulfide	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Carbon tetrachloride	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Chlorobenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Chloroethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Chloroform	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Chloromethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	1
Dibromochloromethane	ND	2.6	ug/Kg	01/18/13	R/J	SW8260	
Dibromomethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Ethylbenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	LP
Isopropylbenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
m&p-Xylene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	26	ug/Kg	01/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	8.5	ug/Kg	01/18/13	R/J	SW8260	
Methylene chloride	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Naphthalene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
n-Butylbenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
n-Propylbenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
o-Xylene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 3-6 FT SB-1

Phoenix I.D.: BD20273

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
p-Isopropyltoluene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
sec-Butylbenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Styrene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
tert-Butylbenzene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Tetrachloroethene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	8.5	ug/Kg	01/18/13	R/J	SW8260	1
Toluene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Total Xylenes	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	8.5	ug/Kg	01/18/13	R/J	SW8260	
Trichloroethene	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
Vinyl chloride	ND	4.3	ug/Kg	01/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	01/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	87		%	01/18/13	R/J	70 - 130 %	
% Dibromofluoromethane	94		%	01/18/13	R/J	70 - 130 %	
% Toluene-d8	94		%	01/18/13	R/J	70 - 130 %	

Semivolatiles

1,2-Dichlorobenzene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
1,2-Diphenylhydrazine	ND	240	ug/Kg	01/16/13	KCA	SW8270	
1,3-Dichlorobenzene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
1,4-Dichlorobenzene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
2,4-Dinitrotoluene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
2,6-Dinitrotoluene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
2-Chloronaphthalene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
2-Methylnaphthalene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
2-Nitroaniline	ND	980	ug/Kg	01/16/13	KCA	SW8270	
3,3'-Dichlorobenzidine	ND	1400	ug/Kg	01/16/13	KCA	SW8270	
3-Nitroaniline	ND	980	ug/Kg	01/16/13	KCA	SW8270	
4-Bromophenyl phenyl ether	ND	240	ug/Kg	01/16/13	KCA	SW8270	
4-Chloroaniline	ND	240	ug/Kg	01/16/13	KCA	SW8270	
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	01/16/13	KCA	SW8270	
4-Nitroaniline	ND	980	ug/Kg	01/16/13	KCA	SW8270	
Acenaphthene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
Acenaphthylene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
Anthracene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
Benz(a)anthracene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
Benzidine	ND	1400	ug/Kg	01/16/13	KCA	SW8270	
Benzo(a)pyrene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
Benzo(b)fluoranthene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
Benzo(ghi)perylene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
Benzo(k)fluoranthene	ND	240	ug/Kg	01/16/13	KCA	SW8270	
Benzoic acid	ND	340	ug/Kg	01/16/13	KCA	SW8270	LO
Benzyl alcohol	ND	240	ug/Kg	01/16/13	KCA	SW8270	
Benzyl butyl phthalate	ND	240	ug/Kg	01/16/13	KCA	SW8270	
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	01/16/13	KCA	SW8270	

Project ID: ALTMARK PROJECT
Client ID: 3-6 FT SB-1

Phoenix I.D.: BD20273

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	240	ug/Kg	01/16/13	KCA	SW8270
Bis(2-chloroisopropyl)ether	ND	240	ug/Kg	01/16/13	KCA	SW8270
Bis(2-ethylhexyl)phthalate	ND	240	ug/Kg	01/16/13	KCA	SW8270
Chrysene	ND	240	ug/Kg	01/16/13	KCA	SW8270
Dibenz(a,h)anthracene	ND	240	ug/Kg	01/16/13	KCA	SW8270
Dibenzofuran	ND	240	ug/Kg	01/16/13	KCA	SW8270
Diethyl phthalate	ND	240	ug/Kg	01/16/13	KCA	SW8270
Dimethylphthalate	ND	240	ug/Kg	01/16/13	KCA	SW8270
Di-n-butylphthalate	ND	240	ug/Kg	01/16/13	KCA	SW8270
Di-n-octylphthalate	ND	240	ug/Kg	01/16/13	KCA	SW8270
Fluoranthene	ND	240	ug/Kg	01/16/13	KCA	SW8270
Fluorene	ND	240	ug/Kg	01/16/13	KCA	SW8270
Hexachlorobenzene	ND	240	ug/Kg	01/16/13	KCA	SW8270
Hexachlorobutadiene	ND	240	ug/Kg	01/16/13	KCA	SW8270
Hexachlorocyclopentadiene	ND	240	ug/Kg	01/16/13	KCA	SW8270
Hexachloroethane	ND	240	ug/Kg	01/16/13	KCA	SW8270
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	01/16/13	KCA	SW8270
Isophorone	ND	240	ug/Kg	01/16/13	KCA	SW8270
Naphthalene	ND	240	ug/Kg	01/16/13	KCA	SW8270
Nitrobenzene	ND	240	ug/Kg	01/16/13	KCA	SW8270
N-Nitrosodimethylamine	ND	240	ug/Kg	01/16/13	KCA	SW8270
N-Nitrosodi-n-propylamine	ND	240	ug/Kg	01/16/13	KCA	SW8270
N-Nitrosodiphenylamine	ND	240	ug/Kg	01/16/13	KCA	SW8270
Phenanthrene	ND	240	ug/Kg	01/16/13	KCA	SW8270
Pyrene	ND	240	ug/Kg	01/16/13	KCA	SW8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	82		%	01/16/13	KCA	30 - 130 %
% Nitrobenzene-d5	81		%	01/16/13	KCA	30 - 130 %
% Terphenyl-d14	74		%	01/16/13	KCA	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 30, 2013
Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2013

FOR: Attn: Mr. Scott Taylor
Taylord Environment, Inc.
24 Wing Ave
Dover Plains, NY 12522

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/15/13	0:00
Location Code:	TAYLORD	Received by:	LB	01/16/13	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD20271
Phoenix ID: BD20274

Project ID: ALTMARK PROJECT
Client ID: 3-6 FT SB-2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	mg/Kg	01/17/13	EK	SW6010	
Aluminum	20900	56	mg/Kg	01/18/13	EK	SW6010	
Arsenic	< 0.7	0.7	mg/Kg	01/17/13	EK	SW6010	
Barium	292	0.37	mg/Kg	01/17/13	EK	SW6010	
Beryllium	< 0.30	0.30	mg/Kg	01/17/13	EK	SW6010	
Calcium	2350	5.6	mg/Kg	01/17/13	EK	SW6010	
Cadmium	0.41	0.37	mg/Kg	01/17/13	EK	SW6010	
Cobalt	15.6	0.37	mg/Kg	01/17/13	EK	SW6010	
Chromium	67.1	0.37	mg/Kg	01/17/13	EK	SW6010	
Copper	42.1	0.37	mg/kg	01/17/13	EK	SW6010	B
Iron	17500	56	mg/Kg	01/18/13	EK	SW6010	
Mercury	0.41	0.08	mg/Kg	01/18/13	RS	SW-7471	
Potassium	18600	56	mg/Kg	01/18/13	LK	SW6010	
Magnesium	14500	56	mg/Kg	01/18/13	LK	SW6010	
Manganese	592	3.7	mg/Kg	01/18/13	LK	SW6010	
Sodium	253	5.6	mg/Kg	01/17/13	EK	SW6010	
Nickel	35.3	0.37	mg/Kg	01/17/13	EK	SW6010	
Lead	6.81	0.37	mg/Kg	01/17/13	EK	SW6010	
Antimony	< 3.7	3.7	mg/Kg	01/17/13	LK	SW6010	
Selenium	< 1.5	1.5	mg/Kg	01/18/13	EK	SW6010	
Thallium	< 3.4	3.4	mg/Kg	01/17/13	EK	SW6010	
Vanadium	89.5	0.37	mg/Kg	01/17/13	EK	SW6010	
Zinc	79.3	0.37	mg/Kg	01/17/13	EK	SW6010	
Percent Solid	93		%	01/16/13	JL	E160.3	
Soil Extraction for PCB	Completed			01/16/13	BB/V	SW3545	
Soil Extraction for Pesticide	Completed			01/16/13	BB	SW3545	
Soil Extraction for SVOA	Completed			01/16/13	PJ/V	SW3545	
Mercury Digestion	Completed			01/18/13	X/X	SW7471	

Project ID: ALTMARK PROJECT
Client ID: 3-6 FT SB-2

Phoenix I.D.: BD20274

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed			01/16/13	AG	SW846 - 3050	
Field Extraction	Completed			01/15/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	70	ug/Kg	01/17/13	AW	SW 8082	
PCB-1221	ND	70	ug/Kg	01/17/13	AW	SW 8082	
PCB-1232	ND	70	ug/Kg	01/17/13	AW	SW 8082	
PCB-1242	ND	70	ug/Kg	01/17/13	AW	SW 8082	
PCB-1248	ND	70	ug/Kg	01/17/13	AW	SW 8082	
PCB-1254	ND	70	ug/Kg	01/17/13	AW	SW 8082	
PCB-1260	ND	70	ug/Kg	01/17/13	AW	SW 8082	
PCB-1262	ND	70	ug/Kg	01/17/13	AW	SW 8082	
PCB-1268	ND	70	ug/Kg	01/17/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	66		%	01/17/13	AW	30 - 150 %	
% TCMX	38		%	01/17/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	2.1	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDE	ND	2.1	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDT	ND	2.1	ug/Kg	01/18/13	MH	SW8081	
a-BHC	ND	3.4	ug/Kg	01/18/13	MH	SW8081	
Alachlor	ND	3.4	ug/Kg	01/18/13	MH	SW8081	1
Aldrin	ND	1.0	ug/Kg	01/18/13	MH	SW8081	
b-BHC	ND	3.4	ug/Kg	01/18/13	MH	SW8081	
Chlordane	ND	10	ug/Kg	01/18/13	MH	SW8081	
d-BHC	ND	3.4	ug/Kg	01/18/13	MH	SW8081	
Dieldrin	ND	1.0	ug/Kg	01/18/13	MH	SW8081	
Endosulfan I	ND	3.4	ug/Kg	01/18/13	MH	SW8081	
Endosulfan II	ND	6.8	ug/Kg	01/18/13	MH	SW8081	
Endosulfan sulfate	ND	6.8	ug/Kg	01/18/13	MH	SW8081	
Endrin	ND	6.8	ug/Kg	01/18/13	MH	SW8081	
Endrin aldehyde	ND	6.8	ug/Kg	01/18/13	MH	SW8081	
Endrin ketone	ND	6.8	ug/Kg	01/18/13	MH	SW8081	
g-BHC	ND	1.0	ug/Kg	01/18/13	MH	SW8081	
Heptachlor	ND	2.1	ug/Kg	01/18/13	MH	SW8081	
Heptachlor epoxide	ND	3.4	ug/Kg	01/18/13	MH	SW8081	
Methoxychlor	ND	34	ug/Kg	01/18/13	MH	SW8081	
Toxaphene	ND	34	ug/Kg	01/18/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	59		%	01/18/13	MH	30 - 150 %	
% TCMX	49		%	01/18/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	01/18/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,1-Dichloroethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,1-Dichloroethene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 3-6 FT SB-2

Phoenix I.D.: BD20274

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	LP
1,2,3-Trichloropropane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dibromoethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dichloroethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dichloropropane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,3-Dichloropropane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
2,2-Dichloropropane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
2-Chlorotoluene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
2-Hexanone	ND	27	ug/Kg	01/18/13	R/J	SW8260	
2-Isopropyltoluene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	1
4-Chlorotoluene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	27	ug/Kg	01/18/13	R/J	SW8260	
Acetone	ND	27	ug/Kg	01/18/13	R/J	SW8260	
Acrylonitrile	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Benzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Bromobenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Bromochloromethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Bromodichloromethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Bromoform	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Bromomethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Carbon Disulfide	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Carbon tetrachloride	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Chlorobenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Chloroethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Chloroform	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Chloromethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	1
Dibromochloromethane	ND	3.3	ug/Kg	01/18/13	R/J	SW8260	
Dibromomethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Ethylbenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	LP
Isopropylbenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
m&p-Xylene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	33	ug/Kg	01/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/18/13	R/J	SW8260	
Methylene chloride	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Naphthalene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
n-Butylbenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
n-Propylbenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
o-Xylene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 3-6 FT SB-2

Phoenix I.D.: BD20274

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
p-Isopropyltoluene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
sec-Butylbenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Styrene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
tert-Butylbenzene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Tetrachloroethene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/18/13	R/J	SW8260	1
Toluene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Total Xylenes	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/18/13	R/J	SW8260	
Trichloroethene	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
Vinyl chloride	ND	5.5	ug/Kg	01/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	01/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	93		%	01/18/13	R/J	70 - 130 %	
% Dibromofluoromethane	94		%	01/18/13	R/J	70 - 130 %	
% Toluene-d8	97		%	01/18/13	R/J	70 - 130 %	

Semivolatiles

1,2-Dichlorobenzene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
1,2-Diphenylhydrazine	ND	250	ug/Kg	01/17/13	KCA	SW8270	
1,3-Dichlorobenzene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
1,4-Dichlorobenzene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
2,4-Dinitrotoluene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
2,6-Dinitrotoluene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
2-Chloronaphthalene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
2-Methylnaphthalene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
2-Nitroaniline	ND	1000	ug/Kg	01/17/13	KCA	SW8270	
3,3'-Dichlorobenzidine	ND	1400	ug/Kg	01/17/13	KCA	SW8270	
3-Nitroaniline	ND	1000	ug/Kg	01/17/13	KCA	SW8270	
4-Bromophenyl phenyl ether	ND	250	ug/Kg	01/17/13	KCA	SW8270	
4-Chloroaniline	ND	250	ug/Kg	01/17/13	KCA	SW8270	
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	01/17/13	KCA	SW8270	
4-Nitroaniline	ND	1000	ug/Kg	01/17/13	KCA	SW8270	
Acenaphthene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
Acenaphthylene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
Anthracene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
Benz(a)anthracene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
Benzidine	ND	1400	ug/Kg	01/17/13	KCA	SW8270	
Benzo(a)pyrene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
Benzo(b)fluoranthene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
Benzo(ghi)perylene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
Benzo(k)fluoranthene	ND	250	ug/Kg	01/17/13	KCA	SW8270	
Benzoic acid	ND	350	ug/Kg	01/17/13	KCA	SW8270	LO
Benzyl alcohol	ND	250	ug/Kg	01/17/13	KCA	SW8270	
Benzyl butyl phthalate	ND	250	ug/Kg	01/17/13	KCA	SW8270	
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	01/17/13	KCA	SW8270	

Project ID: ALTMARK PROJECT
Client ID: 3-6 FT SB-2

Phoenix I.D.: BD20274

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	250	ug/Kg	01/17/13	KCA	SW8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	01/17/13	KCA	SW8270
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	01/17/13	KCA	SW8270
Chrysene	ND	250	ug/Kg	01/17/13	KCA	SW8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	01/17/13	KCA	SW8270
Dibenzofuran	ND	250	ug/Kg	01/17/13	KCA	SW8270
Diethyl phthalate	ND	250	ug/Kg	01/17/13	KCA	SW8270
Dimethylphthalate	ND	250	ug/Kg	01/17/13	KCA	SW8270
Di-n-butylphthalate	ND	250	ug/Kg	01/17/13	KCA	SW8270
Di-n-octylphthalate	ND	250	ug/Kg	01/17/13	KCA	SW8270
Fluoranthene	ND	250	ug/Kg	01/17/13	KCA	SW8270
Fluorene	ND	250	ug/Kg	01/17/13	KCA	SW8270
Hexachlorobenzene	ND	250	ug/Kg	01/17/13	KCA	SW8270
Hexachlorobutadiene	ND	250	ug/Kg	01/17/13	KCA	SW8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	01/17/13	KCA	SW8270
Hexachloroethane	ND	250	ug/Kg	01/17/13	KCA	SW8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	01/17/13	KCA	SW8270
Isophorone	ND	250	ug/Kg	01/17/13	KCA	SW8270
Naphthalene	ND	250	ug/Kg	01/17/13	KCA	SW8270
Nitrobenzene	ND	250	ug/Kg	01/17/13	KCA	SW8270
N-Nitrosodimethylamine	ND	250	ug/Kg	01/17/13	KCA	SW8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	01/17/13	KCA	SW8270
N-Nitrosodiphenylamine	ND	250	ug/Kg	01/17/13	KCA	SW8270
Phenanthrene	ND	250	ug/Kg	01/17/13	KCA	SW8270
Pyrene	ND	250	ug/Kg	01/17/13	KCA	SW8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	79		%	01/17/13	KCA	30 - 130 %
% Nitrobenzene-d5	77		%	01/17/13	KCA	30 - 130 %
% Terphenyl-d14	80		%	01/17/13	KCA	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 30, 2013
Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2013

FOR: Attn: Mr. Scott Taylor
Taylord Environment, Inc.
24 Wing Ave
Dover Plains, NY 12522

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/15/13	0:00
Location Code:	TAYLORD	Received by:	LB	01/16/13	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD20271
Phoenix ID: BD20275

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.40	0.40	mg/Kg	01/17/13	EK	SW6010	
Aluminum	17700	60	mg/Kg	01/18/13	LK	SW6010	
Arsenic	1.6	0.8	mg/Kg	01/17/13	EK	SW6010	
Barium	154	0.40	mg/Kg	01/17/13	EK	SW6010	
Beryllium	0.47	0.32	mg/Kg	01/17/13	EK	SW6010	
Calcium	5400	6.0	mg/Kg	01/17/13	EK	SW6010	
Cadmium	0.47	0.40	mg/Kg	01/17/13	EK	SW6010	
Cobalt	16.7	0.40	mg/Kg	01/17/13	EK	SW6010	
Chromium	36.7	0.40	mg/Kg	01/17/13	EK	SW6010	
Copper	44.5	0.40	mg/kg	01/17/13	EK	SW6010	B
Iron	12100	60	mg/Kg	01/18/13	EK	SW6010	
Mercury	< 0.07	0.07	mg/Kg	01/18/13	RS	SW-7471	
Potassium	8840	60	mg/Kg	01/18/13	LK	SW6010	
Magnesium	10200	60	mg/Kg	01/18/13	LK	SW6010	
Manganese	430	4.0	mg/Kg	01/18/13	LK	SW6010	
Sodium	154	6.0	mg/Kg	01/17/13	EK	SW6010	
Nickel	30.3	0.40	mg/Kg	01/17/13	EK	SW6010	
Lead	50.7	0.40	mg/Kg	01/17/13	EK	SW6010	
Antimony	< 4.0	4.0	mg/Kg	01/17/13	LK	SW6010	
Selenium	< 1.6	1.6	mg/Kg	01/18/13	EK	SW6010	
Thallium	< 3.6	3.6	mg/Kg	01/17/13	EK	SW6010	
Vanadium	46.6	0.40	mg/Kg	01/17/13	EK	SW6010	
Zinc	122	0.40	mg/Kg	01/17/13	EK	SW6010	
Percent Solid	88		%	01/16/13	JL	E160.3	
Soil Extraction for PCB	Completed			01/16/13	BB/V	SW3545	
Soil Extraction for Pesticide	Completed			01/16/13	BB	SW3545	
Soil Extraction for SVOA	Completed			01/16/13	PJ/V	SW3545	
Mercury Digestion	Completed			01/18/13	X/X	SW7471	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-3

Phoenix I.D.: BD20275

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed			01/16/13	AG	SW846 - 3050	
Field Extraction	Completed			01/15/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1221	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1232	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1242	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1248	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1254	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1260	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1262	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1268	ND	75	ug/Kg	01/17/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	58		%	01/17/13	AW	30 - 150 %	
% TCMX	42		%	01/17/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	2.2	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDE	ND	2.2	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDT	ND	2.2	ug/Kg	01/18/13	MH	SW8081	
a-BHC	ND	3.6	ug/Kg	01/18/13	MH	SW8081	
Alachlor	ND	3.6	ug/Kg	01/18/13	MH	SW8081	1
Aldrin	ND	1.1	ug/Kg	01/18/13	MH	SW8081	
b-BHC	ND	3.6	ug/Kg	01/18/13	MH	SW8081	
Chlordane	ND	11	ug/Kg	01/18/13	MH	SW8081	
d-BHC	ND	3.6	ug/Kg	01/18/13	MH	SW8081	
Dieldrin	ND	1.1	ug/Kg	01/18/13	MH	SW8081	
Endosulfan I	ND	3.6	ug/Kg	01/18/13	MH	SW8081	
Endosulfan II	ND	7.2	ug/Kg	01/18/13	MH	SW8081	
Endosulfan sulfate	ND	7.2	ug/Kg	01/18/13	MH	SW8081	
Endrin	ND	7.2	ug/Kg	01/18/13	MH	SW8081	
Endrin aldehyde	ND	7.2	ug/Kg	01/18/13	MH	SW8081	
Endrin ketone	ND	7.2	ug/Kg	01/18/13	MH	SW8081	
g-BHC	ND	1.1	ug/Kg	01/18/13	MH	SW8081	
Heptachlor	ND	2.2	ug/Kg	01/18/13	MH	SW8081	
Heptachlor epoxide	ND	3.6	ug/Kg	01/18/13	MH	SW8081	
Methoxychlor	ND	36	ug/Kg	01/18/13	MH	SW8081	
Toxaphene	ND	36	ug/Kg	01/18/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	59		%	01/18/13	MH	30 - 150 %	
% TCMX	52		%	01/18/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	2.8	ug/Kg	01/18/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,1-Dichloroethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,1-Dichloroethene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-3

Phoenix I.D.: BD20275

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	LP
1,2,3-Trichloropropane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dibromoethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dichloroethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dichloropropane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,3-Dichloropropane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
2,2-Dichloropropane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
2-Chlorotoluene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
2-Hexanone	ND	23	ug/Kg	01/18/13	R/J	SW8260	
2-Isopropyltoluene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	1
4-Chlorotoluene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	23	ug/Kg	01/18/13	R/J	SW8260	
Acetone	ND	23	ug/Kg	01/18/13	R/J	SW8260	
Acrylonitrile	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Benzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Bromobenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Bromochloromethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Bromodichloromethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Bromoform	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Bromomethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Carbon Disulfide	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Carbon tetrachloride	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Chlorobenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Chloroethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Chloroform	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Chloromethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	1
Dibromochloromethane	ND	2.8	ug/Kg	01/18/13	R/J	SW8260	
Dibromomethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Ethylbenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	LP
Isopropylbenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
m&p-Xylene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	28	ug/Kg	01/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	9.2	ug/Kg	01/18/13	R/J	SW8260	
Methylene chloride	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Naphthalene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
n-Butylbenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
n-Propylbenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
o-Xylene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-3

Phoenix I.D.: BD20275

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
p-Isopropyltoluene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
sec-Butylbenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Styrene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
tert-Butylbenzene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Tetrachloroethene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	9.2	ug/Kg	01/18/13	R/J	SW8260	1
Toluene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Total Xylenes	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	9.2	ug/Kg	01/18/13	R/J	SW8260	
Trichloroethene	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
Vinyl chloride	ND	4.6	ug/Kg	01/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97		%	01/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	91		%	01/18/13	R/J	70 - 130 %	
% Dibromofluoromethane	88		%	01/18/13	R/J	70 - 130 %	
% Toluene-d8	97		%	01/18/13	R/J	70 - 130 %	

Semivolatiles

1,2-Dichlorobenzene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
1,2-Diphenylhydrazine	ND	260	ug/Kg	01/17/13	KCA	SW8270	
1,3-Dichlorobenzene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
1,4-Dichlorobenzene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
2,4-Dinitrotoluene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
2,6-Dinitrotoluene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
2-Chloronaphthalene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
2-Methylnaphthalene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
2-Nitroaniline	ND	1100	ug/Kg	01/17/13	KCA	SW8270	
3,3'-Dichlorobenzidine	ND	1500	ug/Kg	01/17/13	KCA	SW8270	
3-Nitroaniline	ND	1100	ug/Kg	01/17/13	KCA	SW8270	
4-Bromophenyl phenyl ether	ND	260	ug/Kg	01/17/13	KCA	SW8270	
4-Chloroaniline	ND	260	ug/Kg	01/17/13	KCA	SW8270	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	01/17/13	KCA	SW8270	
4-Nitroaniline	ND	1100	ug/Kg	01/17/13	KCA	SW8270	
Acenaphthene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Acenaphthylene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Anthracene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Benz(a)anthracene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Benzidine	ND	1500	ug/Kg	01/17/13	KCA	SW8270	
Benzo(a)pyrene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Benzo(b)fluoranthene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Benzo(ghi)perylene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Benzo(k)fluoranthene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Benzoic acid	ND	370	ug/Kg	01/17/13	KCA	SW8270	LO
Benzyl alcohol	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Benzyl butyl phthalate	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	01/17/13	KCA	SW8270	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-3

Phoenix I.D.: BD20275

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	260	ug/Kg	01/17/13	KCA	SW8270
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	01/17/13	KCA	SW8270
Bis(2-ethylhexyl)phthalate	ND	260	ug/Kg	01/17/13	KCA	SW8270
Chrysene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Dibenzofuran	ND	260	ug/Kg	01/17/13	KCA	SW8270
Diethyl phthalate	ND	260	ug/Kg	01/17/13	KCA	SW8270
Dimethylphthalate	ND	260	ug/Kg	01/17/13	KCA	SW8270
Di-n-butylphthalate	ND	260	ug/Kg	01/17/13	KCA	SW8270
Di-n-octylphthalate	ND	260	ug/Kg	01/17/13	KCA	SW8270
Fluoranthene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Fluorene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Hexachlorobenzene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Hexachlorobutadiene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Hexachlorocyclopentadiene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Hexachloroethane	ND	260	ug/Kg	01/17/13	KCA	SW8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Isophorone	ND	260	ug/Kg	01/17/13	KCA	SW8270
Naphthalene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Nitrobenzene	ND	260	ug/Kg	01/17/13	KCA	SW8270
N-Nitrosodimethylamine	ND	260	ug/Kg	01/17/13	KCA	SW8270
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	01/17/13	KCA	SW8270
N-Nitrosodiphenylamine	ND	260	ug/Kg	01/17/13	KCA	SW8270
Phenanthrene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Pyrene	ND	260	ug/Kg	01/17/13	KCA	SW8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	79		%	01/17/13	KCA	30 - 130 %
% Nitrobenzene-d5	83		%	01/17/13	KCA	30 - 130 %
% Terphenyl-d14	81		%	01/17/13	KCA	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 30, 2013
Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2013

FOR: Attn: Mr. Scott Taylor
Taylord Environment, Inc.
24 Wing Ave
Dover Plains, NY 12522

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/15/13	0:00
Location Code:	TAYLORD	Received by:	LB	01/16/13	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD20271
Phoenix ID: BD20276

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	0.74	0.37	mg/Kg	01/17/13	EK	SW6010	
Aluminum	13700	55	mg/Kg	01/18/13	LK	SW6010	
Arsenic	10.1	0.7	mg/Kg	01/17/13	EK	SW6010	
Barium	479	0.37	mg/Kg	01/17/13	EK	SW6010	
Beryllium	0.50	0.29	mg/Kg	01/17/13	EK	SW6010	
Calcium	21300	55	mg/Kg	01/18/13	LK	SW6010	
Cadmium	3.20	0.37	mg/Kg	01/17/13	EK	SW6010	
Cobalt	10.8	0.37	mg/Kg	01/17/13	EK	SW6010	
Chromium	29.4	0.37	mg/Kg	01/17/13	EK	SW6010	
Copper	104	0.37	mg/kg	01/17/13	EK	SW6010	B
Iron	16100	55	mg/Kg	01/18/13	EK	SW6010	
Mercury	0.37	0.08	mg/Kg	01/18/13	RS	SW-7471	
Potassium	5940	55	mg/Kg	01/18/13	LK	SW6010	
Magnesium	12500	55	mg/Kg	01/18/13	LK	SW6010	
Manganese	559	3.7	mg/Kg	01/18/13	LK	SW6010	
Sodium	141	5.5	mg/Kg	01/17/13	EK	SW6010	
Nickel	23.9	0.37	mg/Kg	01/17/13	EK	SW6010	
Lead	976	3.7	mg/Kg	01/18/13	LK	SW6010	
Antimony	< 3.7	3.7	mg/Kg	01/17/13	LK	SW6010	
Selenium	< 1.5	1.5	mg/Kg	01/18/13	EK	SW6010	
Thallium	< 3.3	3.3	mg/Kg	01/18/13	LK	SW6010	
Vanadium	61.6	0.37	mg/Kg	01/17/13	EK	SW6010	
Zinc	1440	3.7	mg/Kg	01/18/13	LK	SW6010	
Percent Solid	87		%	01/16/13	JL	E160.3	
Soil Extraction for PCB	Completed			01/16/13	BB/V	SW3545	
Soil Extraction for Pesticide	Completed			01/16/13	BB	SW3545	
Soil Extraction for SVOA	Completed			01/16/13	PJ/V	SW3545	
Mercury Digestion	Completed			01/18/13	X/X	SW7471	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-4

Phoenix I.D.: BD20276

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed			01/16/13	AG	SW846 - 3050	
Field Extraction	Completed			01/15/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1221	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1232	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1242	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1248	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1254	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1260	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1262	ND	75	ug/Kg	01/17/13	AW	SW 8082	
PCB-1268	ND	75	ug/Kg	01/17/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	59		%	01/17/13	AW	30 - 150 %	
% TCMX	38		%	01/17/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	2.2	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDE	3.4	2.2	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDT	12	2.2	ug/Kg	01/18/13	MH	SW8081	
a-BHC	Nde	3.6	ug/Kg	01/18/13	MH	SW8081	
Alachlor	ND	3.6	ug/Kg	01/18/13	MH	SW8081	1
Aldrin	ND	1.1	ug/Kg	01/18/13	MH	SW8081	
b-BHC	ND	3.6	ug/Kg	01/18/13	MH	SW8081	
Chlordane	ND	11	ug/Kg	01/18/13	MH	SW8081	
d-BHC	ND	3.6	ug/Kg	01/18/13	MH	SW8081	
Dieldrin	3.8	1.1	ug/Kg	01/18/13	MH	SW8081	
Endosulfan I	ND	3.6	ug/Kg	01/18/13	MH	SW8081	
Endosulfan II	ND	7.2	ug/Kg	01/18/13	MH	SW8081	
Endosulfan sulfate	ND	7.2	ug/Kg	01/18/13	MH	SW8081	
Endrin	ND	7.2	ug/Kg	01/18/13	MH	SW8081	
Endrin aldehyde	ND	7.2	ug/Kg	01/18/13	MH	SW8081	
Endrin ketone	ND	7.2	ug/Kg	01/18/13	MH	SW8081	
g-BHC	ND	1.5	ug/Kg	01/18/13	MH	SW8081	
Heptachlor	ND	2.2	ug/Kg	01/18/13	MH	SW8081	
Heptachlor epoxide	ND	3.6	ug/Kg	01/18/13	MH	SW8081	
Methoxychlor	ND	36	ug/Kg	01/18/13	MH	SW8081	
Toxaphene	ND	36	ug/Kg	01/18/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	60		%	01/18/13	MH	30 - 150 %	
% TCMX	53		%	01/18/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,1,1-Trichloroethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	01/18/13	R/J	SW8260	
1,1,2-Trichloroethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,1-Dichloroethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,1-Dichloroethene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-4

Phoenix I.D.: BD20276

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	LP
1,2,3-Trichloropropane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dibromoethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	LP
1,2-Dichlorobenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dichloroethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,2-Dichloropropane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,3-Dichlorobenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,3-Dichloropropane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
1,4-Dichlorobenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
2,2-Dichloropropane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
2-Chlorotoluene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
2-Hexanone	ND	30	ug/Kg	01/18/13	R/J	SW8260	
2-Isopropyltoluene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	1
4-Chlorotoluene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
4-Methyl-2-pentanone	ND	30	ug/Kg	01/18/13	R/J	SW8260	
Acetone	ND	30	ug/Kg	01/18/13	R/J	SW8260	
Acrylonitrile	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Benzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Bromobenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Bromochloromethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Bromodichloromethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Bromoform	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Bromomethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Carbon Disulfide	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Carbon tetrachloride	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Chlorobenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Chloroethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Chloroform	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Chloromethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	1
Dibromochloromethane	ND	3.6	ug/Kg	01/18/13	R/J	SW8260	
Dibromomethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Dichlorodifluoromethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Ethylbenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Hexachlorobutadiene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	LP
Isopropylbenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
m&p-Xylene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Methyl Ethyl Ketone	ND	36	ug/Kg	01/18/13	R/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	01/18/13	R/J	SW8260	
Methylene chloride	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Naphthalene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
n-Butylbenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
n-Propylbenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
o-Xylene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
p-Isopropyltoluene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
sec-Butylbenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Styrene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
tert-Butylbenzene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Tetrachloroethene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Tetrahydrofuran (THF)	ND	12	ug/Kg	01/18/13	R/J	SW8260	1
Toluene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Total Xylenes	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	01/18/13	R/J	SW8260	
Trichloroethene	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Trichlorofluoromethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Trichlorotrifluoroethane	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
Vinyl chloride	ND	6.0	ug/Kg	01/18/13	R/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	01/18/13	R/J	70 - 130 %	
% Bromofluorobenzene	84		%	01/18/13	R/J	70 - 130 %	
% Dibromofluoromethane	94		%	01/18/13	R/J	70 - 130 %	
% Toluene-d8	97		%	01/18/13	R/J	70 - 130 %	

Semivolatiles

1,2-Dichlorobenzene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
1,2-Diphenylhydrazine	ND	260	ug/Kg	01/17/13	KCA	SW8270	
1,3-Dichlorobenzene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
1,4-Dichlorobenzene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
2,4-Dinitrotoluene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
2,6-Dinitrotoluene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
2-Chloronaphthalene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
2-Methylnaphthalene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
2-Nitroaniline	ND	1100	ug/Kg	01/17/13	KCA	SW8270	
3,3'-Dichlorobenzidine	ND	1500	ug/Kg	01/17/13	KCA	SW8270	
3-Nitroaniline	ND	1100	ug/Kg	01/17/13	KCA	SW8270	
4-Bromophenyl phenyl ether	ND	260	ug/Kg	01/17/13	KCA	SW8270	
4-Chloroaniline	ND	260	ug/Kg	01/17/13	KCA	SW8270	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	01/17/13	KCA	SW8270	
4-Nitroaniline	ND	1100	ug/Kg	01/17/13	KCA	SW8270	
Acenaphthene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Acenaphthylene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Anthracene	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Benz(a)anthracene	640	260	ug/Kg	01/17/13	KCA	SW8270	
Benzidine	ND	1500	ug/Kg	01/17/13	KCA	SW8270	
Benzo(a)pyrene	630	260	ug/Kg	01/17/13	KCA	SW8270	
Benzo(b)fluoranthene	860	260	ug/Kg	01/17/13	KCA	SW8270	
Benzo(ghi)perylene	460	260	ug/Kg	01/17/13	KCA	SW8270	
Benzo(k)fluoranthene	300	260	ug/Kg	01/17/13	KCA	SW8270	
Benzoic acid	ND	370	ug/Kg	01/17/13	KCA	SW8270	LO
Benzyl alcohol	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Benzyl butyl phthalate	ND	260	ug/Kg	01/17/13	KCA	SW8270	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	01/17/13	KCA	SW8270	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-4

Phoenix I.D.: BD20276

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	260	ug/Kg	01/17/13	KCA	SW8270
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	01/17/13	KCA	SW8270
Bis(2-ethylhexyl)phthalate	1000	260	ug/Kg	01/17/13	KCA	SW8270
Chrysene	780	260	ug/Kg	01/17/13	KCA	SW8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Dibenzofuran	ND	260	ug/Kg	01/17/13	KCA	SW8270
Diethyl phthalate	ND	260	ug/Kg	01/17/13	KCA	SW8270
Dimethylphthalate	ND	260	ug/Kg	01/17/13	KCA	SW8270
Di-n-butylphthalate	ND	260	ug/Kg	01/17/13	KCA	SW8270
Di-n-octylphthalate	ND	260	ug/Kg	01/17/13	KCA	SW8270
Fluoranthene	1200	260	ug/Kg	01/17/13	KCA	SW8270
Fluorene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Hexachlorobenzene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Hexachlorobutadiene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Hexachlorocyclopentadiene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Hexachloroethane	ND	260	ug/Kg	01/17/13	KCA	SW8270
Indeno(1,2,3-cd)pyrene	400	260	ug/Kg	01/17/13	KCA	SW8270
Isophorone	ND	260	ug/Kg	01/17/13	KCA	SW8270
Naphthalene	ND	260	ug/Kg	01/17/13	KCA	SW8270
Nitrobenzene	ND	260	ug/Kg	01/17/13	KCA	SW8270
N-Nitrosodimethylamine	ND	260	ug/Kg	01/17/13	KCA	SW8270
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	01/17/13	KCA	SW8270
N-Nitrosodiphenylamine	ND	260	ug/Kg	01/17/13	KCA	SW8270
Phenanthrene	660	260	ug/Kg	01/17/13	KCA	SW8270
Pyrene	1100	260	ug/Kg	01/17/13	KCA	SW8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	78		%	01/17/13	KCA	30 - 130 %
% Nitrobenzene-d5	81		%	01/17/13	KCA	30 - 130 %
% Terphenyl-d14	76		%	01/17/13	KCA	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 30, 2013
Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2013

FOR: Attn: Mr. Scott Taylor
Taylord Environment, Inc.
24 Wing Ave
Dover Plains, NY 12522

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/15/13	0:00
Location Code:	TAYLORD	Received by:	LB	01/16/13	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD20271
Phoenix ID: BD20277

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-5

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.38	0.38	mg/Kg	01/17/13	EK	SW6010	
Aluminum	11700	57	mg/Kg	01/18/13	LK	SW6010	
Arsenic	8.7	0.8	mg/Kg	01/17/13	EK	SW6010	
Barium	461	0.38	mg/Kg	01/17/13	EK	SW6010	
Beryllium	0.56	0.30	mg/Kg	01/17/13	EK	SW6010	
Calcium	33500	57	mg/Kg	01/18/13	LK	SW6010	
Cadmium	1.74	0.38	mg/Kg	01/17/13	EK	SW6010	
Cobalt	10.1	0.38	mg/Kg	01/17/13	EK	SW6010	
Chromium	40.6	0.38	mg/Kg	01/17/13	EK	SW6010	
Copper	99.7	0.38	mg/kg	01/17/13	EK	SW6010	B
Iron	14900	57	mg/Kg	01/18/13	EK	SW6010	
Mercury	0.30	0.09	mg/Kg	01/18/13	RS	SW-7471	
Potassium	3760	57	mg/Kg	01/18/13	LK	SW6010	
Magnesium	12300	57	mg/Kg	01/18/13	LK	SW6010	
Manganese	461	3.8	mg/Kg	01/18/13	LK	SW6010	
Sodium	512	5.7	mg/Kg	01/17/13	EK	SW6010	
Nickel	25.8	0.38	mg/Kg	01/17/13	EK	SW6010	
Lead	755	3.8	mg/Kg	01/18/13	LK	SW6010	
Antimony	< 3.8	3.8	mg/Kg	01/17/13	LK	SW6010	
Selenium	< 1.5	1.5	mg/Kg	01/18/13	EK	SW6010	
Thallium	< 3.4	3.4	mg/Kg	01/17/13	EK	SW6010	
Vanadium	52.1	0.38	mg/Kg	01/17/13	EK	SW6010	
Zinc	590	3.8	mg/Kg	01/18/13	LK	SW6010	
Percent Solid	87		%	01/16/13	JL	E160.3	
Soil Extraction for PCB	Completed			01/16/13	BB/V	SW3545	
Soil Extraction for Pesticide	Completed			01/16/13	BB	SW3545	
Soil Extraction for SVOA	Completed			01/16/13	PJ/V	SW3545	
Mercury Digestion	Completed			01/18/13	X/X	SW7471	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-5

Phoenix I.D.: BD20277

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed			01/16/13	AG	SW846 - 3050	
Field Extraction	Completed			01/15/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	75	ug/Kg	01/18/13	AW	SW 8082	
PCB-1221	ND	75	ug/Kg	01/18/13	AW	SW 8082	
PCB-1232	ND	75	ug/Kg	01/18/13	AW	SW 8082	
PCB-1242	ND	75	ug/Kg	01/18/13	AW	SW 8082	
PCB-1248	ND	75	ug/Kg	01/18/13	AW	SW 8082	
PCB-1254	ND	75	ug/Kg	01/18/13	AW	SW 8082	
PCB-1260	ND	75	ug/Kg	01/18/13	AW	SW 8082	
PCB-1262	ND	75	ug/Kg	01/18/13	AW	SW 8082	
PCB-1268	ND	75	ug/Kg	01/18/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	65		%	01/18/13	AW	30 - 150 %	
% TCMX	58		%	01/18/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	11	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDE	ND	11	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDT	75	11	ug/Kg	01/18/13	MH	SW8081	
a-BHC	ND	18	ug/Kg	01/18/13	MH	SW8081	
Alachlor	ND	18	ug/Kg	01/18/13	MH	SW8081	1
Aldrin	ND	5.6	ug/Kg	01/18/13	MH	SW8081	
b-BHC	ND	18	ug/Kg	01/18/13	MH	SW8081	
Chlordane	290	56	ug/Kg	01/18/13	MH	SW8081	
d-BHC	ND	18	ug/Kg	01/18/13	MH	SW8081	
Dieldrin	75	5.6	ug/Kg	01/18/13	MH	SW8081	
Endosulfan I	ND	18	ug/Kg	01/18/13	MH	SW8081	
Endosulfan II	ND	36	ug/Kg	01/18/13	MH	SW8081	
Endosulfan sulfate	ND	36	ug/Kg	01/18/13	MH	SW8081	
Endrin	ND	36	ug/Kg	01/18/13	MH	SW8081	
Endrin aldehyde	ND	36	ug/Kg	01/18/13	MH	SW8081	
Endrin ketone	ND	36	ug/Kg	01/18/13	MH	SW8081	
g-BHC	ND	5.6	ug/Kg	01/18/13	MH	SW8081	
Heptachlor	ND	11	ug/Kg	01/18/13	MH	SW8081	
Heptachlor epoxide	ND	18	ug/Kg	01/18/13	MH	SW8081	
Methoxychlor	ND	180	ug/Kg	01/18/13	MH	SW8081	
Toxaphene	ND	180	ug/Kg	01/18/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	71		%	01/18/13	MH	30 - 150 %	
% TCMX	76		%	01/18/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,1,1-Trichloroethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	3.4	ug/Kg	01/24/13	H/J	SW8260	
1,1,2-Trichloroethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,1-Dichloroethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,1-Dichloroethene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-5

Phoenix I.D.: BD20277

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	LP
1,2,3-Trichloropropane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,2-Dibromoethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	LP
1,2-Dichlorobenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,2-Dichloroethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,2-Dichloropropane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,3-Dichlorobenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,3-Dichloropropane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
1,4-Dichlorobenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
2,2-Dichloropropane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
2-Chlorotoluene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
2-Hexanone	ND	29	ug/Kg	01/24/13	H/J	SW8260	
2-Isopropyltoluene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	1
4-Chlorotoluene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
4-Methyl-2-pentanone	ND	29	ug/Kg	01/24/13	H/J	SW8260	
Acetone	ND	46	ug/Kg	01/24/13	H/J	SW8260	
Acrylonitrile	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Benzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Bromobenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Bromochloromethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Bromodichloromethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Bromoform	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Bromomethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Carbon Disulfide	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Carbon tetrachloride	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Chlorobenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Chloroethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Chloroform	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Chloromethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
cis-1,2-Dichloroethene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
cis-1,3-Dichloropropene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	1
Dibromochloromethane	ND	3.4	ug/Kg	01/24/13	H/J	SW8260	
Dibromomethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Dichlorodifluoromethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Ethylbenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Hexachlorobutadiene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	LP
Isopropylbenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
m&p-Xylene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Methyl Ethyl Ketone	ND	34	ug/Kg	01/24/13	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Methylene chloride	ND	46	ug/Kg	01/24/13	H/J	SW8260	
Naphthalene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
n-Butylbenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
n-Propylbenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
o-Xylene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-5

Phoenix I.D.: BD20277

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
p-Isopropyltoluene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
sec-Butylbenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Styrene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
tert-Butylbenzene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Tetrachloroethene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Tetrahydrofuran (THF)	ND	11	ug/Kg	01/24/13	H/J	SW8260	1
Toluene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Total Xylenes	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
trans-1,2-Dichloroethene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
trans-1,3-Dichloropropene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Trichloroethene	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Trichlorofluoromethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Trichlorotrifluoroethane	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
Vinyl chloride	ND	5.7	ug/Kg	01/24/13	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	01/24/13	H/J	70 - 130 %	
% Bromofluorobenzene	98		%	01/24/13	H/J	70 - 130 %	
% Dibromofluoromethane	92		%	01/24/13	H/J	70 - 130 %	
% Toluene-d8	102		%	01/24/13	H/J	70 - 130 %	

Semivolatiles

1,2-Dichlorobenzene	ND	260	ug/Kg	01/18/13	DD	SW8270	
1,2-Diphenylhydrazine	ND	260	ug/Kg	01/18/13	DD	SW8270	
1,3-Dichlorobenzene	ND	260	ug/Kg	01/18/13	DD	SW8270	
1,4-Dichlorobenzene	ND	260	ug/Kg	01/18/13	DD	SW8270	
2,4-Dinitrotoluene	ND	260	ug/Kg	01/18/13	DD	SW8270	
2,6-Dinitrotoluene	ND	260	ug/Kg	01/18/13	DD	SW8270	
2-Chloronaphthalene	ND	260	ug/Kg	01/18/13	DD	SW8270	
2-Methylnaphthalene	ND	260	ug/Kg	01/18/13	DD	SW8270	
2-Nitroaniline	ND	1100	ug/Kg	01/18/13	DD	SW8270	
3,3'-Dichlorobenzidine	ND	1500	ug/Kg	01/18/13	DD	SW8270	
3-Nitroaniline	ND	1100	ug/Kg	01/18/13	DD	SW8270	
4-Bromophenyl phenyl ether	ND	260	ug/Kg	01/18/13	DD	SW8270	
4-Chloroaniline	ND	260	ug/Kg	01/18/13	DD	SW8270	
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	01/18/13	DD	SW8270	
4-Nitroaniline	ND	1100	ug/Kg	01/18/13	DD	SW8270	
Acenaphthene	ND	260	ug/Kg	01/18/13	DD	SW8270	
Acenaphthylene	ND	260	ug/Kg	01/18/13	DD	SW8270	
Anthracene	ND	260	ug/Kg	01/18/13	DD	SW8270	
Benz(a)anthracene	410	260	ug/Kg	01/18/13	DD	SW8270	
Benzidine	ND	1500	ug/Kg	01/18/13	DD	SW8270	
Benzo(a)pyrene	480	260	ug/Kg	01/18/13	DD	SW8270	
Benzo(b)fluoranthene	700	260	ug/Kg	01/18/13	DD	SW8270	
Benzo(ghi)perylene	340	260	ug/Kg	01/18/13	DD	SW8270	
Benzo(k)fluoranthene	ND	260	ug/Kg	01/18/13	DD	SW8270	
Benzoic acid	ND	380	ug/Kg	01/18/13	DD	SW8270	LO
Benzyl alcohol	ND	260	ug/Kg	01/18/13	DD	SW8270	
Benzyl butyl phthalate	430	260	ug/Kg	01/18/13	DD	SW8270	
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	01/18/13	DD	SW8270	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-5

Phoenix I.D.: BD20277

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	260	ug/Kg	01/18/13	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	01/18/13	DD	SW8270
Bis(2-ethylhexyl)phthalate	3200	260	ug/Kg	01/18/13	DD	SW8270
Chrysene	510	260	ug/Kg	01/18/13	DD	SW8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	01/18/13	DD	SW8270
Dibenzofuran	ND	260	ug/Kg	01/18/13	DD	SW8270
Diethyl phthalate	ND	260	ug/Kg	01/18/13	DD	SW8270
Dimethylphthalate	ND	260	ug/Kg	01/18/13	DD	SW8270
Di-n-butylphthalate	ND	260	ug/Kg	01/18/13	DD	SW8270
Di-n-octylphthalate	ND	260	ug/Kg	01/18/13	DD	SW8270
Fluoranthene	630	260	ug/Kg	01/18/13	DD	SW8270
Fluorene	ND	260	ug/Kg	01/18/13	DD	SW8270
Hexachlorobenzene	ND	260	ug/Kg	01/18/13	DD	SW8270
Hexachlorobutadiene	ND	260	ug/Kg	01/18/13	DD	SW8270
Hexachlorocyclopentadiene	ND	260	ug/Kg	01/18/13	DD	SW8270
Hexachloroethane	ND	260	ug/Kg	01/18/13	DD	SW8270
Indeno(1,2,3-cd)pyrene	270	260	ug/Kg	01/18/13	DD	SW8270
Isophorone	ND	260	ug/Kg	01/18/13	DD	SW8270
Naphthalene	ND	260	ug/Kg	01/18/13	DD	SW8270
Nitrobenzene	ND	260	ug/Kg	01/18/13	DD	SW8270
N-Nitrosodimethylamine	ND	260	ug/Kg	01/18/13	DD	SW8270
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	01/18/13	DD	SW8270
N-Nitrosodiphenylamine	ND	260	ug/Kg	01/18/13	DD	SW8270
Phenanthrene	340	260	ug/Kg	01/18/13	DD	SW8270
Pyrene	560	260	ug/Kg	01/18/13	DD	SW8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	79		%	01/18/13	DD	30 - 130 %
% Nitrobenzene-d5	80		%	01/18/13	DD	30 - 130 %
% Terphenyl-d14	72		%	01/18/13	DD	30 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
January 30, 2013
Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2013

FOR: Attn: Mr. Scott Taylor
Taylord Environment, Inc.
24 Wing Ave
Dover Plains, NY 12522

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		01/15/13	0:00
Location Code:	TAYLORD	Received by:	LB	01/16/13	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBD20271
Phoenix ID: BD20278

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-6

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Silver	< 0.41	0.41	mg/Kg	01/17/13	EK	SW6010	
Aluminum	1120	6.1	mg/Kg	01/18/13	LK	SW6010	
Arsenic	6.5	0.8	mg/Kg	01/17/13	EK	SW6010	
Barium	1090	0.41	mg/Kg	01/17/13	EK	SW6010	
Beryllium	0.44	0.33	mg/Kg	01/17/13	EK	SW6010	
Calcium	7110	6.1	mg/Kg	01/18/13	LK	SW6010	
Cadmium	2.35	0.41	mg/Kg	01/17/13	EK	SW6010	
Cobalt	9.17	0.41	mg/Kg	01/17/13	EK	SW6010	
Chromium	31.6	0.41	mg/Kg	01/17/13	EK	SW6010	
Copper	20.5	0.41	mg/kg	01/18/13	LK	SW6010	B
Iron	17100	61	mg/Kg	01/18/13	EK	SW6010	
Mercury	0.25	0.09	mg/Kg	01/18/13	RS	SW-7471	
Potassium	478	6.1	mg/Kg	01/18/13	LK	SW6010	
Magnesium	2680	6.1	mg/Kg	01/18/13	LK	SW6010	
Manganese	45.3	0.41	mg/Kg	01/18/13	LK	SW6010	
Sodium	211	6.1	mg/Kg	01/17/13	EK	SW6010	
Nickel	40.8	0.41	mg/Kg	01/17/13	EK	SW6010	
Lead	2160	41	mg/Kg	01/21/13	EK	SW6010	
Antimony	< 4.1	4.1	mg/Kg	01/18/13	LK	SW6010	
Selenium	< 1.6	1.6	mg/Kg	01/18/13	LK	SW6010	
Thallium	< 3.7	3.7	mg/Kg	01/17/13	EK	SW6010	
Vanadium	47.9	0.41	mg/Kg	01/17/13	EK	SW6010	
Zinc	115	0.41	mg/Kg	01/18/13	LK	SW6010	
Percent Solid	86		%	01/16/13	JL	E160.3	
Soil Extraction for PCB	Completed			01/16/13	BB/V	SW3545	
Soil Extraction for Pesticide	Completed			01/16/13	BB	SW3545	
Soil Extraction for SVOA	Completed			01/16/13	PJ/V	SW3545	
Mercury Digestion	Completed			01/18/13	X/X	SW7471	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-6

Phoenix I.D.: BD20278

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
Total Metals Digest	Completed			01/16/13	AG	SW846 - 3050	
Field Extraction	Completed			01/15/13		SW5035	
Polychlorinated Biphenyls							
PCB-1016	ND	77	ug/Kg	01/18/13	AW	SW 8082	
PCB-1221	ND	77	ug/Kg	01/18/13	AW	SW 8082	
PCB-1232	ND	77	ug/Kg	01/18/13	AW	SW 8082	
PCB-1242	ND	77	ug/Kg	01/18/13	AW	SW 8082	
PCB-1248	ND	77	ug/Kg	01/18/13	AW	SW 8082	
PCB-1254	ND	77	ug/Kg	01/18/13	AW	SW 8082	
PCB-1260	150	77	ug/Kg	01/18/13	AW	SW 8082	
PCB-1262	ND	77	ug/Kg	01/18/13	AW	SW 8082	
PCB-1268	ND	77	ug/Kg	01/18/13	AW	SW 8082	
QA/QC Surrogates							
% DCBP	66		%	01/18/13	AW	30 - 150 %	
% TCMX	58		%	01/18/13	AW	30 - 150 %	
Pesticides							
4,4' -DDD	ND	12	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDE	37	12	ug/Kg	01/18/13	MH	SW8081	
4,4' -DDT	140	12	ug/Kg	01/18/13	MH	SW8081	
a-BHC	ND	18	ug/Kg	01/18/13	MH	SW8081	
Alachlor	ND	18	ug/Kg	01/18/13	MH	SW8081	1
Aldrin	ND	5.8	ug/Kg	01/18/13	MH	SW8081	
b-BHC	ND	18	ug/Kg	01/18/13	MH	SW8081	
Chlordane	180	58	ug/Kg	01/18/13	MH	SW8081	
d-BHC	ND	18	ug/Kg	01/18/13	MH	SW8081	
Dieldrin	53	5.8	ug/Kg	01/18/13	MH	SW8081	
Endosulfan I	ND	18	ug/Kg	01/18/13	MH	SW8081	
Endosulfan II	ND	37	ug/Kg	01/18/13	MH	SW8081	
Endosulfan sulfate	ND	37	ug/Kg	01/18/13	MH	SW8081	
Endrin	ND	37	ug/Kg	01/18/13	MH	SW8081	
Endrin aldehyde	ND	37	ug/Kg	01/18/13	MH	SW8081	
Endrin ketone	ND	37	ug/Kg	01/18/13	MH	SW8081	
g-BHC	ND	5.8	ug/Kg	01/18/13	MH	SW8081	
Heptachlor	ND	12	ug/Kg	01/18/13	MH	SW8081	
Heptachlor epoxide	ND	18	ug/Kg	01/18/13	MH	SW8081	
Methoxychlor	ND	180	ug/Kg	01/18/13	MH	SW8081	
Toxaphene	ND	180	ug/Kg	01/18/13	MH	SW8081	
QA/QC Surrogates							
% DCBP	78		%	01/18/13	MH	30 - 150 %	
% TCMX	82		%	01/18/13	MH	30 - 150 %	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,1,1-Trichloroethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,1,2,2-Tetrachloroethane	ND	6.3	ug/Kg	01/24/13	H/J	SW8260	
1,1,2-Trichloroethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,1-Dichloroethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,1-Dichloroethene	ND	11	ug/Kg	01/24/13	H/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-6

Phoenix I.D.: BD20278

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
1,1-Dichloropropene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,2,3-Trichlorobenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	LP
1,2,3-Trichloropropane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,2,4-Trichlorobenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,2,4-Trimethylbenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,2-Dibromo-3-chloropropane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,2-Dibromoethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	LP
1,2-Dichlorobenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,2-Dichloroethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,2-Dichloropropane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,3,5-Trimethylbenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,3-Dichlorobenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,3-Dichloropropane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
1,4-Dichlorobenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
2,2-Dichloropropane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
2-Chlorotoluene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
2-Hexanone	ND	53	ug/Kg	01/24/13	H/J	SW8260	
2-Isopropyltoluene	ND	11	ug/Kg	01/24/13	H/J	SW8260	1
4-Chlorotoluene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
4-Methyl-2-pentanone	ND	53	ug/Kg	01/24/13	H/J	SW8260	
Acetone	ND	42	ug/Kg	01/24/13	H/J	SW8260	
Acrylonitrile	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Benzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Bromobenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Bromochloromethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Bromodichloromethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Bromoform	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Bromomethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Carbon Disulfide	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Carbon tetrachloride	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Chlorobenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Chloroethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Chloroform	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Chloromethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
cis-1,2-Dichloroethene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
cis-1,3-Dichloropropene	ND	11	ug/Kg	01/24/13	H/J	SW8260	1
Dibromochloromethane	ND	6.3	ug/Kg	01/24/13	H/J	SW8260	
Dibromomethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Dichlorodifluoromethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Ethylbenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Hexachlorobutadiene	ND	11	ug/Kg	01/24/13	H/J	SW8260	LP
Isopropylbenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
m&p-Xylene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Methyl Ethyl Ketone	ND	63	ug/Kg	01/24/13	H/J	SW8260	
Methyl t-butyl ether (MTBE)	ND	21	ug/Kg	01/24/13	H/J	SW8260	
Methylene chloride	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Naphthalene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
n-Butylbenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
n-Propylbenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
o-Xylene	ND	11	ug/Kg	01/24/13	H/J	SW8260	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-6

Phoenix I.D.: BD20278

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference	
p-Isopropyltoluene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
sec-Butylbenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Styrene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
tert-Butylbenzene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Tetrachloroethene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Tetrahydrofuran (THF)	ND	21	ug/Kg	01/24/13	H/J	SW8260	1
Toluene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Total Xylenes	ND	11	ug/Kg	01/24/13	H/J	SW8260	
trans-1,2-Dichloroethene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
trans-1,3-Dichloropropene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
trans-1,4-dichloro-2-butene	ND	21	ug/Kg	01/24/13	H/J	SW8260	
Trichloroethene	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Trichlorofluoromethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Trichlorotrifluoroethane	ND	11	ug/Kg	01/24/13	H/J	SW8260	
Vinyl chloride	ND	11	ug/Kg	01/24/13	H/J	SW8260	
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	01/24/13	H/J	70 - 130 %	
% Bromofluorobenzene	101		%	01/24/13	H/J	70 - 130 %	
% Dibromofluoromethane	93		%	01/24/13	H/J	70 - 130 %	
% Toluene-d8	102		%	01/24/13	H/J	70 - 130 %	

Semivolatiles

1,2-Dichlorobenzene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
1,2-Diphenylhydrazine	ND	6700	ug/Kg	01/18/13	DD	SW8270	
1,3-Dichlorobenzene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
1,4-Dichlorobenzene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
2,4-Dinitrotoluene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
2,6-Dinitrotoluene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
2-Chloronaphthalene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
2-Methylnaphthalene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
2-Nitroaniline	ND	28000	ug/Kg	01/18/13	DD	SW8270	
3,3'-Dichlorobenzidine	ND	38000	ug/Kg	01/18/13	DD	SW8270	
3-Nitroaniline	ND	28000	ug/Kg	01/18/13	DD	SW8270	
4-Bromophenyl phenyl ether	ND	6700	ug/Kg	01/18/13	DD	SW8270	
4-Chloroaniline	ND	6700	ug/Kg	01/18/13	DD	SW8270	
4-Chlorophenyl phenyl ether	ND	6700	ug/Kg	01/18/13	DD	SW8270	
4-Nitroaniline	ND	28000	ug/Kg	01/18/13	DD	SW8270	
Acenaphthene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
Acenaphthylene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
Anthracene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
Benz(a)anthracene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
Benzidine	ND	38000	ug/Kg	01/18/13	DD	SW8270	
Benzo(a)pyrene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
Benzo(b)fluoranthene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
Benzo(ghi)perylene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
Benzo(k)fluoranthene	ND	6700	ug/Kg	01/18/13	DD	SW8270	
Benzoic acid	ND	9600	ug/Kg	01/18/13	DD	SW8270	LO
Benzyl alcohol	ND	6700	ug/Kg	01/18/13	DD	SW8270	
Benzyl butyl phthalate	9900	6700	ug/Kg	01/18/13	DD	SW8270	
Bis(2-chloroethoxy)methane	ND	6700	ug/Kg	01/18/13	DD	SW8270	

Project ID: ALTMARK PROJECT
Client ID: 0-2 FT SB-6

Phoenix I.D.: BD20278

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	6700	ug/Kg	01/18/13	DD	SW8270
Bis(2-chloroisopropyl)ether	ND	6700	ug/Kg	01/18/13	DD	SW8270
Bis(2-ethylhexyl)phthalate	210000	6700	ug/Kg	01/18/13	DD	SW8270
Chrysene	ND	6700	ug/Kg	01/18/13	DD	SW8270
Dibenz(a,h)anthracene	ND	6700	ug/Kg	01/18/13	DD	SW8270
Dibenzofuran	ND	6700	ug/Kg	01/18/13	DD	SW8270
Diethyl phthalate	ND	6700	ug/Kg	01/18/13	DD	SW8270
Dimethylphthalate	ND	6700	ug/Kg	01/18/13	DD	SW8270
Di-n-butylphthalate	ND	6700	ug/Kg	01/18/13	DD	SW8270
Di-n-octylphthalate	ND	6700	ug/Kg	01/18/13	DD	SW8270
Fluoranthene	ND	6700	ug/Kg	01/18/13	DD	SW8270
Fluorene	ND	6700	ug/Kg	01/18/13	DD	SW8270
Hexachlorobenzene	ND	6700	ug/Kg	01/18/13	DD	SW8270
Hexachlorobutadiene	ND	6700	ug/Kg	01/18/13	DD	SW8270
Hexachlorocyclopentadiene	ND	6700	ug/Kg	01/18/13	DD	SW8270
Hexachloroethane	ND	6700	ug/Kg	01/18/13	DD	SW8270
Indeno(1,2,3-cd)pyrene	ND	6700	ug/Kg	01/18/13	DD	SW8270
Isophorone	ND	6700	ug/Kg	01/18/13	DD	SW8270
Naphthalene	ND	6700	ug/Kg	01/18/13	DD	SW8270
Nitrobenzene	ND	6700	ug/Kg	01/18/13	DD	SW8270
N-Nitrosodimethylamine	ND	6700	ug/Kg	01/18/13	DD	SW8270
N-Nitrosodi-n-propylamine	ND	6700	ug/Kg	01/18/13	DD	SW8270
N-Nitrosodiphenylamine	ND	6700	ug/Kg	01/18/13	DD	SW8270
Phenanthrene	ND	6700	ug/Kg	01/18/13	DD	SW8270
Pyrene	ND	6700	ug/Kg	01/18/13	DD	SW8270
QA/QC Surrogates						
% 2-Fluorobiphenyl	*Diluted Out		%	01/18/13	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out		%	01/18/13	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out		%	01/18/13	DD	30 - 130 %

Project ID: ALTMARK PROJECT

Client ID: 0-2 FT SB-6

Phoenix I.D.: BD20278

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
1P = This parameter is pending certification by NY NELAC for this matrix.
1O = This parameter is not certified by NY NELAC for this matrix.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
January 30, 2013
Reviewed and Released by: Sarah Bell, Project Manager

PHOENIX

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

January 30, 2013

QA/QC Data

SDG I.D.: GBD20271

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 218741, QC Sample No: BD20271 (BD20271, BD20272, BD20273, BD20274, BD20275, BD20276, BD20277, BD20278)													
ICP Metals - Soil													
Aluminum	BRL	8370	8510	1.70	78.8	79.7	1.1	NC	NC	NC	75 - 125	30	
Antimony	BRL	<4.4	<4.1	NC	97.0	107	9.8	88.6	91.0	2.7	75 - 125	30	
Arsenic	BRL	7.6	8.16	7.10	92.0	92.8	0.9	91.6	93.4	1.9	75 - 125	30	
Barium	BRL	1730	3000	53.7	97.9	97.8	0.1	NC	NC	NC	75 - 125	30	r
Beryllium	BRL	0.43	0.46	NC	95.3	98.5	3.3	91.8	92.0	0.2	75 - 125	30	
Cadmium	BRL	2.00	3.36	NC	94.9	95.2	0.3	91.2	92.2	1.1	75 - 125	30	
Calcium	BRL	76800	73000	5.10	92.0	89.6	2.6	NC	NC	NC	75 - 125	30	
Chromium	BRL	34.5	38.9	12.0	96.5	99.1	2.7	92.7	105	12.4	75 - 125	30	
Cobalt	BRL	7.37	8.15	10.1	96.0	97.0	1.0	92.0	91.9	0.1	75 - 125	30	
Copper	0.49	57.2	67.9	17.1	103	104	1.0	112	117	4.4	75 - 125	30	
Iron	BRL	3110	7640	84.3	88.2	90.2	2.2	NC	NC	NC	75 - 125	30	r
Lead	BRL	3040	2830	7.20	95.2	96.5	1.4	NC	NC	NC	75 - 125	30	
Magnesium	BRL	35900	32600	9.60	79.8	82.3	3.1	NC	NC	NC	75 - 125	30	
Manganese	BRL	421	419	0.50	96.6	96.8	0.2	82.9	89.8	8.0	75 - 125	30	
Nickel	BRL	14.5	14.9	2.70	96.1	96.9	0.8	90.7	91.1	0.4	75 - 125	30	
Potassium	BRL	2710	2830	4.30	95.6	96.1	0.5	>130	119	NC	75 - 125	30	m
Selenium	BRL	<1.8	<1.6	NC	77.0	80.0	3.8	76.8	77.9	1.4	75 - 125	30	
Silver	BRL	<0.44	<0.41	NC	98.0	98.7	0.7	105	108	2.8	75 - 125	30	
Sodium	BRL	180	144	22.2	98.8	93.6	5.4	>130	107	NC	75 - 125	30	m
Thallium	BRL	<4.0	<3.7	NC	97.8	100	2.2	95.3	96.3	1.0	75 - 125	30	
Vanadium	BRL	34.5	36.5	5.60	95.8	99.9	4.2	103	95.5	7.6	75 - 125	30	
Zinc	BRL	1050	1950	60.0	93.2	93.9	0.7	NC	NC	NC	75 - 125	30	r
QA/QC Batch 218782, QC Sample No: BD20271 (BD20271, BD20272, BD20273, BD20274, BD20275, BD20276, BD20277, BD20278)													
Mercury - Soil	BRL	1.05	0.75	33.3	102	97.4	4.6	55.5	69.4	22.3	70 - 130	30	m,r

m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

January 30, 2013

QA/QC Data

SDG I.D.: GBD20271

QA/QC Batch 218613, QC Sample No: BD19771 (BD20271, BD20272, BD20273, BD20274, BD20275, BD20276, BD20277, BD20278)

Semivolatiles - Soil

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dichlorobenzene	ND	71	72	1.4	77	79	2.6	30 - 130	30	
1,2-Diphenylhydrazine	ND	76	75	1.3	81	83	2.4	30 - 130	30	
1,3-Dichlorobenzene	ND	68	68	0.0	73	76	4.0	30 - 130	30	
1,4-Dichlorobenzene	ND	70	70	0.0	75	77	2.6	30 - 130	30	
2,4-Dinitrotoluene	ND	84	80	4.9	85	87	2.3	30 - 130	30	
2,6-Dinitrotoluene	ND	81	80	1.2	87	90	3.4	30 - 130	30	
2-Chloronaphthalene	ND	78	79	1.3	87	91	4.5	30 - 130	30	
2-Methylnaphthalene	ND	75	74	1.3	81	82	1.2	30 - 130	30	
2-Nitroaniline	ND	>150	149	NC	>150	>150	NC	30 - 130	30	l,m
3,3'-Dichlorobenzidine	ND	109	105	3.7	115	119	3.4	30 - 130	30	
3-Nitroaniline	ND	78	77	1.3	86	88	2.3	30 - 130	30	
4-Bromophenyl phenyl ether	ND	81	82	1.2	89	91	2.2	30 - 130	30	
4-Chloroaniline	ND	82	81	1.2	84	84	0.0	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	82	81	1.2	87	89	2.3	30 - 130	30	
4-Nitroaniline	ND	79	77	2.6	87	90	3.4	30 - 130	30	
Acenaphthene	ND	96	95	1.0	106	109	2.8	30 - 130	30	
Acenaphthylene	ND	77	77	0.0	86	90	4.5	30 - 130	30	
Anthracene	ND	98	99	1.0	107	111	3.7	30 - 130	30	
Benz(a)anthracene	ND	106	107	0.9	116	121	4.2	30 - 130	30	
Benzidine	ND	58	62	6.7	64	66	3.1	30 - 130	30	
Benzo(a)pyrene	ND	94	96	2.1	104	105	1.0	30 - 130	30	
Benzo(b)fluoranthene	ND	104	107	2.8	117	122	4.2	30 - 130	30	
Benzo(ghi)perylene	ND	95	93	2.1	106	108	1.9	30 - 130	30	
Benzo(k)fluoranthene	ND	111	110	0.9	115	114	0.9	30 - 130	30	
Benzyl Alcohol	ND	46	45	2.2	66	65	1.5	30 - 130	30	
Benzyl butyl phthalate	ND	76	80	5.1	91	100	9.4	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	75	74	1.3	82	83	1.2	30 - 130	30	
Bis(2-chloroethyl)ether	ND	67	68	1.5	73	75	2.7	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	71	71	0.0	77	78	1.3	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	87	89	2.3	94	99	5.2	30 - 130	30	
Chrysene	ND	97	98	1.0	106	111	4.6	30 - 130	30	
Dibenz(a,h)anthracene	ND	101	99	2.0	108	112	3.6	30 - 130	30	
Dibenzofuran	ND	79	78	1.3	85	88	3.5	30 - 130	30	
Diethyl phthalate	ND	79	77	2.6	83	85	2.4	30 - 130	30	
Dimethylphthalate	ND	79	77	2.6	86	89	3.4	30 - 130	30	
Di-n-butylphthalate	ND	80	84	4.9	89	95	6.5	30 - 130	30	
Di-n-octylphthalate	ND	79	76	3.9	75	78	3.9	30 - 130	30	
Fluoranthene	ND	83	90	8.1	105	119	12.5	30 - 130	30	
Fluorene	ND	96	94	2.1	102	105	2.9	30 - 130	30	
Hexachlorobenzene	ND	85	87	2.3	97	98	1.0	30 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Hexachlorobutadiene	ND	78	77	1.3	85	86	1.2	30 - 130	30	
Hexachlorocyclopentadiene	ND	129	124	4.0	113	110	2.7	30 - 130	30	
Hexachloroethane	ND	72	72	0.0	78	79	1.3	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	99	97	2.0	108	111	2.7	30 - 130	30	
Isophorone	ND	80	80	0.0	88	90	2.2	30 - 130	30	
Naphthalene	ND	76	76	0.0	83	85	2.4	30 - 130	30	
Nitrobenzene	ND	73	74	1.4	78	81	3.8	30 - 130	30	
N-Nitrosodimethylamine	ND	73	73	0.0	78	79	1.3	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	76	76	0.0	82	83	1.2	30 - 130	30	
N-Nitrosodiphenylamine	ND	82	79	3.7	86	89	3.4	30 - 130	30	
Phenanthrene	ND	97	99	2.0	109	112	2.7	30 - 130	30	
Pyrene	ND	101	111	9.4	132	149	12.1	30 - 130	30	m
% 2-Fluorobiphenyl	73	78	79	1.3	86	90	4.5	30 - 130	30	
% Nitrobenzene-d5	71	74	74	0.0	78	79	1.3	30 - 130	30	
% Terphenyl-d14	77	94	104	10.1	113	125	10.1	30 - 130	30	

QA/QC Batch 218736, QC Sample No: BD20314 (BD20271, BD20272, BD20273, BD20274, BD20275, BD20276, BD20277, BD20278)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	74			71	72	1.4	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	72			66	68	3.0	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	77	70			63	64	1.6	30 - 150	30	
% TCMX (Surrogate Rec)	72	73			78	79	1.3	30 - 150	30	

QA/QC Batch 218723, QC Sample No: BD20340 (BD20271, BD20272, BD20273, BD20274, BD20275, BD20276, BD20277, BD20278)

Pesticides - Soil

4,4' -DDD	ND	71	72	1.4	72	74	2.7	40 - 140	30	
4,4' -DDE	ND	70	69	1.4	69	69	0.0	40 - 140	30	
4,4' -DDT	ND	75	76	1.3	76	77	1.3	40 - 140	30	
a-BHC	ND	73	73	0.0	78	77	1.3	40 - 140	30	
a-Chlordane	ND	70	69	1.4	69	70	1.4	40 - 140	30	
Alachlor	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30	
Aldrin	ND	70	69	1.4	70	71	1.4	40 - 140	30	
b-BHC	ND	68	66	3.0	76	68	11.1	40 - 140	30	
Chlordane	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30	
d-BHC	ND	68	67	1.5	71	70	1.4	40 - 140	30	
Dieldrin	ND	72	72	0.0	74	74	0.0	40 - 140	30	
Endosulfan I	ND	70	68	2.9	70	70	0.0	40 - 140	30	
Endosulfan II	ND	65	65	0.0	71	72	1.4	40 - 140	30	
Endosulfan sulfate	ND	66	67	1.5	73	72	1.4	40 - 140	30	
Endrin	ND	64	65	1.6	72	71	1.4	40 - 140	30	
Endrin aldehyde	ND	64	61	4.8	78	78	0.0	40 - 140	30	
Endrin ketone	ND	72	72	0.0	76	74	2.7	40 - 140	30	
g-BHC	ND	71	71	0.0	77	76	1.3	40 - 140	30	
g-Chlordane	ND	70	69	1.4	70	70	0.0	40 - 140	30	
Heptachlor	ND	87	86	1.2	83	89	7.0	40 - 140	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Heptachlor epoxide	ND	70	69	1.4	71	71	0.0	40 - 140	30	
Methoxychlor	ND	79	79	0.0	83	83	0.0	40 - 140	30	
Toxaphene	ND	N/A	N/A	NC	N/A	N/A	NC	40 - 140	30	
% DCBP	68	72	72	0.0	70	73	4.2	30 - 150	30	
% TCMX	68	72	72	0.0	69	74	7.0	30 - 150	30	
QA/QC Batch 219638, QC Sample No: BD20763 (BD20277, BD20278)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	104	104	0.0	98	99	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	104	104	0.0	106	105	0.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	94	97	3.1	102	100	2.0	70 - 130	30	
1,1,2-Trichloroethane	ND	102	105	2.9	103	103	0.0	70 - 130	30	
1,1-Dichloroethane	ND	101	101	0.0	107	105	1.9	70 - 130	30	
1,1-Dichloroethene	ND	101	104	2.9	43	45	4.5	70 - 130	30	m
1,1-Dichloropropene	ND	101	100	1.0	110	109	0.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	98	96	2.1	94	101	7.2	70 - 130	30	
1,2,3-Trichloropropane	ND	99	104	4.9	103	99	4.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	94	91	3.2	93	101	8.2	70 - 130	30	
1,2,4-Trimethylbenzene	ND	101	101	0.0	111	110	0.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	104	109	4.7	88	92	4.4	70 - 130	30	
1,2-Dibromoethane	ND	98	101	3.0	103	102	1.0	70 - 130	30	
1,2-Dichlorobenzene	ND	97	98	1.0	103	104	1.0	70 - 130	30	
1,2-Dichloroethane	ND	99	102	3.0	107	107	0.0	70 - 130	30	
1,2-Dichloropropane	ND	100	100	0.0	106	105	0.9	70 - 130	30	
1,3,5-Trimethylbenzene	ND	101	100	1.0	112	110	1.8	70 - 130	30	
1,3-Dichlorobenzene	ND	98	97	1.0	105	105	0.0	70 - 130	30	
1,3-Dichloropropane	ND	100	101	1.0	106	105	0.9	70 - 130	30	
1,4-Dichlorobenzene	ND	97	96	1.0	102	104	1.9	70 - 130	30	
2,2-Dichloropropane	ND	104	104	0.0	99	101	2.0	70 - 130	30	
2-Chlorotoluene	ND	100	100	0.0	107	106	0.9	70 - 130	30	
2-Hexanone	ND	97	103	6.0	97	96	1.0	70 - 130	30	
2-Isopropyltoluene	ND	100	98	2.0	106	107	0.9	70 - 130	30	
4-Chlorotoluene	ND	96	94	2.1	106	105	0.9	70 - 130	30	
4-Methyl-2-pentanone	ND	97	103	6.0	96	95	1.0	70 - 130	30	
Acetone	ND	83	87	4.7	<40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	96	105	9.0	102	99	3.0	70 - 130	30	
Benzene	ND	99	99	0.0	107	107	0.0	70 - 130	30	
Bromobenzene	ND	99	98	1.0	106	106	0.0	70 - 130	30	
Bromochloromethane	ND	103	103	0.0	105	106	0.9	70 - 130	30	
Bromodichloromethane	ND	105	104	1.0	95	97	2.1	70 - 130	30	
Bromoform	ND	105	109	3.7	79	80	1.3	70 - 130	30	
Bromomethane	ND	112	111	0.9	<40	44	NC	70 - 130	30	m
Carbon Disulfide	ND	98	98	0.0	46	47	2.2	70 - 130	30	m
Carbon tetrachloride	ND	108	106	1.9	87	92	5.6	70 - 130	30	
Chlorobenzene	ND	99	98	1.0	106	106	0.0	70 - 130	30	
Chloroethane	ND	105	104	1.0	<40	<40	NC	70 - 130	30	m
Chloroform	ND	101	102	1.0	105	105	0.0	70 - 130	30	
Chloromethane	ND	105	104	1.0	105	112	6.5	70 - 130	30	
cis-1,2-Dichloroethene	ND	103	102	1.0	107	106	0.9	70 - 130	30	
cis-1,3-Dichloropropene	ND	100	101	1.0	101	101	0.0	70 - 130	30	
Dibromochloromethane	ND	109	109	0.0	88	90	2.2	70 - 130	30	
Dibromomethane	ND	102	106	3.8	104	106	1.9	70 - 130	30	
Dichlorodifluoromethane	ND	126	126	0.0	114	119	4.3	70 - 130	30	

QA/QC Data

SDG I.D.: GBD20271

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Ethylbenzene	ND	97	97	0.0	109	108	0.9	70 - 130	30	
Hexachlorobutadiene	ND	98	93	5.2	100	105	4.9	70 - 130	30	
Isopropylbenzene	ND	102	100	2.0	110	106	3.7	70 - 130	30	
m&p-Xylene	ND	100	99	1.0	109	109	0.0	70 - 130	30	
Methyl ethyl ketone	ND	83	90	8.1	61	58	5.0	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	93	98	5.2	108	104	3.8	70 - 130	30	
Methylene chloride	ND	83	83	0.0	78	78	0.0	70 - 130	30	
Naphthalene	ND	98	102	4.0	92	99	7.3	70 - 130	30	
n-Butylbenzene	ND	99	96	3.1	111	113	1.8	70 - 130	30	
n-Propylbenzene	ND	102	102	0.0	110	108	1.8	70 - 130	30	
o-Xylene	ND	98	95	3.1	108	108	0.0	70 - 130	30	
p-Isopropyltoluene	ND	102	99	3.0	108	108	0.0	70 - 130	30	
sec-Butylbenzene	ND	99	97	2.0	110	108	1.8	70 - 130	30	
Styrene	ND	95	93	2.1	107	109	1.9	70 - 130	30	
tert-Butylbenzene	ND	101	100	1.0	110	107	2.8	70 - 130	30	
Tetrachloroethene	ND	100	98	2.0	110	109	0.9	70 - 130	30	
Tetrahydrofuran (THF)	ND	96	105	9.0	97	95	2.1	70 - 130	30	
Toluene	ND	99	99	0.0	107	107	0.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	100	103	3.0	105	107	1.9	70 - 130	30	
trans-1,3-Dichloropropene	ND	99	100	1.0	100	100	0.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	103	109	5.7	93	92	1.1	70 - 130	30	
Trichloroethene	ND	107	107	0.0	108	107	0.9	70 - 130	30	
Trichlorofluoromethane	ND	110	110	0.0	<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	105	104	1.0	54	54	0.0	70 - 130	30	m
Vinyl chloride	ND	107	107	0.0	99	105	5.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	99	100	1.0	99	100	1.0	70 - 130	30	
% Bromofluorobenzene	102	99	99	0.0	103	104	1.0	70 - 130	30	
% Dibromofluoromethane	95	100	99	1.0	97	95	2.1	70 - 130	30	
% Toluene-d8	102	99	99	0.0	99	100	1.0	70 - 130	30	

QA/QC Batch 219226, QC Sample No: BD20872 (BD20271 (42X))

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	92	95	3.2	85	91	6.8	70 - 130	30	
1,1,1-Trichloroethane	ND	86	89	3.4	91	97	6.4	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	108	104	3.8	116	117	0.9	70 - 130	30	
1,1,2-Trichloroethane	ND	91	89	2.2	94	91	3.2	70 - 130	30	
1,1-Dichloroethane	ND	89	90	1.1	97	98	1.0	70 - 130	30	
1,1-Dichloroethene	ND	80	97	19.2	93	113	19.4	70 - 130	30	
1,1-Dichloropropene	ND	87	88	1.1	97	100	3.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	118	106	10.7	119	108	9.7	70 - 130	30	
1,2,3-Trichloropropane	ND	101	106	4.8	105	96	9.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	123	114	7.6	128	118	8.1	70 - 130	30	
1,2,4-Trimethylbenzene	ND	111	114	2.7	125	132	5.4	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	97	88	9.7	94	111	16.6	70 - 130	30	
1,2-Dibromoethane	ND	90	83	8.1	94	92	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	106	107	0.9	111	113	1.8	70 - 130	30	
1,2-Dichloroethane	ND	92	88	4.4	98	94	4.2	70 - 130	30	
1,2-Dichloropropane	ND	90	90	0.0	95	95	0.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	108	111	2.7	115	123	6.7	70 - 130	30	
1,3-Dichlorobenzene	ND	109	110	0.9	116	120	3.4	70 - 130	30	
1,3-Dichloropropane	ND	101	97	4.0	104	104	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	110	111	0.9	133	138	3.7	70 - 130	30	m
2,2-Dichloropropane	ND	88	90	2.2	87	95	8.8	70 - 130	30	

QA/QC Data

SDG I.D.: GBD20271

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Chlorotoluene	ND	106	110	3.7	112	118	5.2	70 - 130	30	
2-Hexanone	ND	117	106	9.9	84	82	2.4	70 - 130	30	
2-Isopropyltoluene	ND	102	105	2.9	113	119	5.2	70 - 130	30	
4-Chlorotoluene	ND	106	110	3.7	112	118	5.2	70 - 130	30	
4-Methyl-2-pentanone	ND	90	81	10.5	93	90	3.3	70 - 130	30	
Acetone	ND	114	124	8.4	45	56	21.8	70 - 130	30	m
Acrylonitrile	ND	90	80	11.8	96	91	5.3	70 - 130	30	
Benzene	ND	89	90	1.1	96	98	2.1	70 - 130	30	
Bromobenzene	ND	103	104	1.0	105	108	2.8	70 - 130	30	
Bromochloromethane	ND	89	86	3.4	94	95	1.1	70 - 130	30	
Bromodichloromethane	ND	90	90	0.0	85	87	2.3	70 - 130	30	
Bromoform	ND	86	84	2.4	68	73	7.1	70 - 130	30	m
Bromomethane	ND	107	105	1.9	84	82	2.4	70 - 130	30	
Carbon Disulfide	ND	71	87	20.3	89	111	22.0	70 - 130	30	
Carbon tetrachloride	ND	81	86	6.0	75	84	11.3	70 - 130	30	
Chlorobenzene	ND	103	104	1.0	141	149	5.5	70 - 130	30	m
Chloroethane	ND	83	103	21.5	<40	<40	NC	70 - 130	30	m
Chloroform	ND	92	92	0.0	97	99	2.0	70 - 130	30	
Chloromethane	ND	88	87	1.1	103	100	3.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	93	91	2.2	100	98	2.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	90	88	2.2	91	91	0.0	70 - 130	30	
Dibromochloromethane	ND	93	95	2.1	79	86	8.5	70 - 130	30	
Dibromomethane	ND	93	88	5.5	96	92	4.3	70 - 130	30	
Dichlorodifluoromethane	ND	92	94	2.2	105	110	4.7	70 - 130	30	
Ethylbenzene	ND	99	102	3.0	108	115	6.3	70 - 130	30	
Hexachlorobutadiene	ND	107	102	4.8	106	101	4.8	70 - 130	30	
Isopropylbenzene	ND	103	109	5.7	109	117	7.1	70 - 130	30	
m&p-Xylene	ND	102	104	1.9	111	117	5.3	70 - 130	30	
Methyl ethyl ketone	ND	93	82	12.6	54	51	5.7	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	89	84	5.8	96	93	3.2	70 - 130	30	
Methylene chloride	ND	74	91	20.6	97	122	22.8	70 - 130	30	
Naphthalene	ND	121	95	24.1	>150	147	NC	70 - 130	30	m
n-Butylbenzene	ND	115	116	0.9	127	133	4.6	70 - 130	30	m
n-Propylbenzene	ND	109	114	4.5	116	122	5.0	70 - 130	30	
o-Xylene	ND	102	102	0.0	107	109	1.9	70 - 130	30	
p-Isopropyltoluene	ND	109	113	3.6	119	126	5.7	70 - 130	30	
sec-Butylbenzene	ND	103	108	4.7	115	122	5.9	70 - 130	30	
Styrene	ND	98	100	2.0	105	110	4.7	70 - 130	30	
tert-Butylbenzene	ND	103	107	3.8	108	116	7.1	70 - 130	30	
Tetrachloroethene	ND	98	103	5.0	107	114	6.3	70 - 130	30	
Tetrahydrofuran (THF)	ND	86	76	12.3	92	88	4.4	70 - 130	30	
Toluene	ND	90	90	0.0	98	100	2.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	101	101	0.0	111	115	3.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	90	85	5.7	90	90	0.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	95	90	5.4	87	89	2.3	70 - 130	30	
Trichloroethene	ND	87	89	2.3	90	92	2.2	70 - 130	30	
Trichlorofluoromethane	ND	88	100	12.8	<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	81	98	19.0	90	113	22.7	70 - 130	30	
Vinyl chloride	ND	84	92	9.1	105	113	7.3	70 - 130	30	
% 1,2-dichlorobenzene-d4	98	98	96	2.1	98	97	1.0	70 - 130	30	
% Bromofluorobenzene	93	96	95	1.0	98	97	1.0	70 - 130	30	
% Dibromofluoromethane	90	96	96	0.0	93	92	1.1	70 - 130	30	
% Toluene-d8	97	98	97	1.0	98	97	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBD20271

QA/QC Batch 219110, QC Sample No: BD20905 (BD20272, BD20273, BD20274, BD20275, BD20276)

Volatiles - Soil

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,1,2-Tetrachloroethane	ND	94	93	1.1	85	91	6.8	70 - 130	30	
1,1,1-Trichloroethane	ND	89	89	0.0	88	90	2.2	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	109	108	0.9	106	119	11.6	70 - 130	30	
1,1,2-Trichloroethane	ND	89	94	5.5	83	91	9.2	70 - 130	30	
1,1-Dichloroethane	ND	90	91	1.1	90	93	3.3	70 - 130	30	
1,1-Dichloroethene	ND	100	83	18.6	101	88	13.8	70 - 130	30	
1,1-Dichloropropene	ND	89	87	2.3	93	92	1.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	104	109	4.7	86	104	18.9	70 - 130	30	
1,2,3-Trichloropropane	ND	111	104	6.5	103	107	3.8	70 - 130	30	
1,2,4-Trichlorobenzene	ND	109	107	1.9	90	103	13.5	70 - 130	30	
1,2,4-Trimethylbenzene	ND	115	109	5.4	105	106	0.9	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	94	97	3.1	77	95	20.9	70 - 130	30	
1,2-Dibromoethane	ND	84	89	5.8	81	91	11.6	70 - 130	30	
1,2-Dichlorobenzene	ND	108	105	2.8	98	103	5.0	70 - 130	30	
1,2-Dichloroethane	ND	88	93	5.5	87	94	7.7	70 - 130	30	
1,2-Dichloropropane	ND	91	93	2.2	89	94	5.5	70 - 130	30	
1,3,5-Trimethylbenzene	ND	113	108	4.5	109	108	0.9	70 - 130	30	
1,3-Dichlorobenzene	ND	110	104	5.6	98	102	4.0	70 - 130	30	
1,3-Dichloropropane	ND	100	101	1.0	96	103	7.0	70 - 130	30	
1,4-Dichlorobenzene	ND	111	104	6.5	98	101	3.0	70 - 130	30	
2,2-Dichloropropane	ND	91	84	8.0	78	82	5.0	70 - 130	30	
2-Chlorotoluene	ND	110	103	6.6	103	105	1.9	70 - 130	30	
2-Hexanone	ND	104	100	3.9	70	83	17.0	70 - 130	30	
2-Isopropyltoluene	ND	108	104	3.8	106	107	0.9	70 - 130	30	
4-Chlorotoluene	ND	110	103	6.6	103	105	1.9	70 - 130	30	
4-Methyl-2-pentanone	ND	82	87	5.9	78	89	13.2	70 - 130	30	
Acetone	ND	112	90	21.8	44	45	2.2	70 - 130	30	m
Acrylonitrile	ND	81	87	7.1	75	89	17.1	70 - 130	30	
Benzene	ND	91	91	0.0	91	93	2.2	70 - 130	30	
Bromobenzene	ND	107	104	2.8	100	104	3.9	70 - 130	30	
Bromochloromethane	ND	87	89	2.3	83	90	8.1	70 - 130	30	
Bromodichloromethane	ND	89	90	1.1	82	88	7.1	70 - 130	30	
Bromoform	ND	83	83	0.0	68	80	16.2	70 - 130	30	m
Bromomethane	ND	109	108	0.9	97	99	2.0	70 - 130	30	
Carbon Disulfide	ND	93	75	21.4	100	85	16.2	70 - 130	30	
Carbon tetrachloride	ND	84	80	4.9	79	82	3.7	70 - 130	30	
Chlorobenzene	ND	104	102	1.9	100	102	2.0	70 - 130	30	
Chloroethane	ND	109	88	21.3	105	87	18.8	70 - 130	30	
Chloroform	ND	91	92	1.1	89	94	5.5	70 - 130	30	
Chloromethane	ND	92	94	2.2	82	87	5.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	91	94	3.2	88	95	7.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	88	88	0.0	81	87	7.1	70 - 130	30	
Dibromochloromethane	ND	94	92	2.2	81	90	10.5	70 - 130	30	
Dibromomethane	ND	88	95	7.7	84	93	10.2	70 - 130	30	
Dichlorodifluoromethane	ND	100	99	1.0	77	78	1.3	70 - 130	30	
Ethylbenzene	ND	102	98	4.0	102	103	1.0	70 - 130	30	
Hexachlorobutadiene	ND	103	104	1.0	98	107	8.8	70 - 130	30	
Isopropylbenzene	ND	111	106	4.6	109	108	0.9	70 - 130	30	
m&p-Xylene	ND	104	101	2.9	102	102	0.0	70 - 130	30	
Methyl ethyl ketone	ND	65	65	0.0	41	50	19.8	70 - 130	30	l,m

QA/QC Data

SDG I.D.: GBD20271

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methyl t-butyl ether (MTBE)	ND	85	90	5.7	88	98	10.8	70 - 130	30	
Methylene chloride	ND	96	78	20.7	91	79	14.1	70 - 130	30	
Naphthalene	ND	94	119	23.5	69	104	40.5	70 - 130	30	m,r
n-Butylbenzene	ND	116	108	7.1	107	107	0.0	70 - 130	30	
n-Propylbenzene	ND	116	109	6.2	108	107	0.9	70 - 130	30	
o-Xylene	ND	103	102	1.0	100	102	2.0	70 - 130	30	
p-Isopropyltoluene	ND	114	107	6.3	106	105	0.9	70 - 130	30	
sec-Butylbenzene	ND	110	104	5.6	109	108	0.9	70 - 130	30	
Styrene	ND	101	97	4.0	94	93	1.1	70 - 130	30	
tert-Butylbenzene	ND	110	106	3.7	108	109	0.9	70 - 130	30	
Tetrachloroethene	ND	104	95	9.0	102	100	2.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	78	84	7.4	75	88	16.0	70 - 130	30	
Toluene	ND	91	90	1.1	91	92	1.1	70 - 130	30	
trans-1,2-Dichloroethene	ND	103	102	1.0	103	107	3.8	70 - 130	30	
trans-1,3-Dichloropropene	ND	86	87	1.2	76	87	13.5	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	93	91	2.2	70	84	18.2	70 - 130	30	
Trichloroethene	ND	90	89	1.1	84	85	1.2	70 - 130	30	
Trichlorofluoromethane	ND	104	91	13.3	99	90	9.5	70 - 130	30	
Trichlorotrifluoroethane	ND	100	82	19.8	102	87	15.9	70 - 130	30	
Vinyl chloride	ND	97	91	6.4	90	87	3.4	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	97	100	3.0	95	99	4.1	70 - 130	30	
% Bromofluorobenzene	96	94	96	2.1	94	95	1.1	70 - 130	30	
% Dibromofluoromethane	92	93	95	2.1	92	95	3.2	70 - 130	30	
% Toluene-d8	97	97	97	0.0	98	97	1.0	70 - 130	30	

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.
r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
January 30, 2013

Sample Criteria Exceedences Report

GBD20271 - TAYLORD

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD20271	$8260MAR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	20	20	ug/Kg
BD20271	$8260MAR	1,1-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	330	330	ug/Kg
BD20271	$8260MAR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	6900	50	50	ug/Kg
BD20271	$8260MAR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1500	340	50	50	ug/Kg
BD20271	$8260MAR	trans-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	190	190	ug/Kg
BD20271	$8260MAR	1,1-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	270	270	ug/Kg
BD20271	$8260MAR	cis-1,2-Dichloroethene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	250	250	ug/Kg
BD20271	$8260MAR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2100	120	120	ug/Kg
BD20271	$8260MAR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	60	60	ug/Kg
BD20271	$8260MAR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	20	20	ug/Kg
BD20271	$8260MAR	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	340	260	260	ug/Kg
BD20271	$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	11000	1500	1000	1000	ug/Kg
BD20271	$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	12000	1500	1000	1000	ug/Kg
BD20271	$BN-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3400	1500	800	800	ug/Kg
BD20271	$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	9300	1500	1000	1000	ug/Kg
BD20271	$BN-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	11000	1500	1000	1000	ug/Kg
BD20271	$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1500	330	330	ug/Kg
BD20271	$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4000	1500	500	500	ug/Kg
BD20271	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	120	86	100	100	ug/Kg
BD20271	$PEST_SMR	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	21	20	20	ug/Kg
BD20271	$PEST_SMR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	6.5	5	5	ug/Kg
BD20271	$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	31	13	3.3	3.3	ug/Kg
BD20271	$PEST_SMR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	42	6.5	5	5	ug/Kg
BD20271	$PEST_SMR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	42	14	14	ug/Kg
BD20271	$PEST_SMR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	53	13	3.3	3.3	ug/Kg
BD20271	$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	180	13	3.3	3.3	ug/Kg
BD20271	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	1730	0.44	350	350	mg/Kg
BD20271	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	57.2	0.44	50	50	mg/kg
BD20271	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.05	0.09	0.18	0.18	mg/Kg
BD20271	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	2880	44	63	63	mg/Kg
BD20271	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	1040	4.4	109	109	mg/Kg
BD20272	$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	1000	1000	ug/Kg
BD20272	$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	1000	1000	ug/Kg
BD20272	$BN-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	800	800	ug/Kg
BD20272	$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	1000	1000	ug/Kg
BD20272	$BN-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	1000	1000	ug/Kg
BD20272	$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	330	330	ug/Kg
BD20272	$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1400	500	500	ug/Kg
BD20272	$PEST_SMR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	5.7	5	5	ug/Kg
BD20272	$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	33	11	3.3	3.3	ug/Kg
BD20272	$PEST_SMR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	52	5.7	5	5	ug/Kg

Sample Criteria Exceedences Report

GBD20271 - TAYLORD

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD20272	$PEST_SMR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	36	14	14	ug/Kg
BD20272	$PEST_SMR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	11	3.3	3.3	ug/Kg
BD20272	$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	150	11	3.3	3.3	ug/Kg
BD20272	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	406	0.37	350	350	mg/Kg
BD20272	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.46	0.07	0.18	0.18	mg/Kg
BD20272	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	591	3.7	63	63	mg/Kg
BD20272	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	354	3.7	109	109	mg/Kg
BD20273	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	392	0.37	350	350	mg/Kg
BD20274	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.41	0.08	0.18	0.18	mg/Kg
BD20274	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	35.3	0.37	30	30	mg/Kg
BD20275	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	30.3	0.40	30	30	mg/Kg
BD20275	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	122	0.40	109	109	mg/Kg
BD20276	$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	3.4	2.2	3.3	3.3	ug/Kg
BD20276	$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	12	2.2	3.3	3.3	ug/Kg
BD20276	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	479	0.37	350	350	mg/Kg
BD20276	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	3.20	0.37	2.5	2.5	mg/Kg
BD20276	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	104	0.37	50	50	mg/kg
BD20276	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.37	0.08	0.18	0.18	mg/Kg
BD20276	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	976	3.7	63	63	mg/Kg
BD20276	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	1440	3.7	109	109	mg/Kg
BD20277	$PEST_SMR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	5.6	5	5	ug/Kg
BD20277	$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	11	3.3	3.3	ug/Kg
BD20277	$PEST_SMR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	75	5.6	5	5	ug/Kg
BD20277	$PEST_SMR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	36	14	14	ug/Kg
BD20277	$PEST_SMR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	11	3.3	3.3	ug/Kg
BD20277	$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	75	11	3.3	3.3	ug/Kg
BD20277	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	461	0.38	350	350	mg/Kg
BD20277	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	99.7	0.38	50	50	mg/kg
BD20277	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.30	0.09	0.18	0.18	mg/Kg
BD20277	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	755	3.8	63	63	mg/Kg
BD20277	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	590	3.8	109	109	mg/Kg
BD20278	$BN-SMR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	6700	1000	1000	ug/Kg
BD20278	$BN-SMR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	6700	1000	1000	ug/Kg
BD20278	$BN-SMR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	6700	800	800	ug/Kg
BD20278	$BN-SMR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	6700	1000	1000	ug/Kg
BD20278	$BN-SMR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	6700	1000	1000	ug/Kg
BD20278	$BN-SMR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	6700	330	330	ug/Kg

Sample Criteria Exceedences Report

GBD20271 - TAYLORD

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD20278	$BN-SMR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	6700	500	500	ug/Kg
BD20278	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	150	77	100	100	ug/Kg
BD20278	$PEST_SMR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	5.8	5	5	ug/Kg
BD20278	$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	37	12	3.3	3.3	ug/Kg
BD20278	$PEST_SMR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	53	5.8	5	5	ug/Kg
BD20278	$PEST_SMR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	37	14	14	ug/Kg
BD20278	$PEST_SMR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	12	3.3	3.3	ug/Kg
BD20278	$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	140	12	3.3	3.3	ug/Kg
BD20278	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	1090	0.41	350	350	mg/Kg
BD20278	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.25	0.09	0.18	0.18	mg/Kg
BD20278	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	40.8	0.41	30	30	mg/Kg
BD20278	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	2160	41	63	63	mg/Kg
BD20278	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	115	0.41	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY Temperature Narration

January 30, 2013

SDG I.D.: GBD20271

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)

NY/NJ CHAIN OF CUSTODY RECORD

Temp 4 Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery: w/PIC
☐ Fax #:
☐ Email:

Customer: Taylord Env. Inc.
Address: 24 Wing Ave
Dover Plains, NY

Project: Altmar K Project
← Report to: 745 E. 133rd Street
← Invoice to: Bronx, NY

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature
Date: 1/15/13

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	8260 VOC	8270 BN	Pesticide 8081/8082	PCB 8081/8082	TAL Metals method 6010							Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container (4) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
20271	0-2' SB-1 ✓	S	1/15/13		X	X	X	X	X							3	2								
20272	0-2' SB-2 ✓	S	↓		X	X	X	X	X							3	2								
20273	3'-6' SB-1 ✓	S			X	X	X	X	X							3	2								
20274	3'-6' SB-2 ✓	S			X	X	X	X	X							3	2								
20275	0-2' SB-3 ✓	S			X	X	X	X	X							3	2								
20276	0-2' SB-4 ✓	S			X	X	X	X	X							3	2								
20277	0-2' SB-5 ✓	S			X	X	X	X	X							3	2								
20278	0-2' SB-6 ✓	S			X	X	X	X	X							3	2								

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	1/16/13	10:15
[signature]	[signature]	1/16/13	15:05
[signature]	[signature]	1/16/13	1620

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☐ 5 Days
☐ 10 Days
☐ Other
* SURCHARGE APPLIES

NJ
☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil Cleanup Criteria
☐ GW Criteria

NY
☐ TOGS GA GW
☐ CP-51 Soil
☒ NY375 Unrestricted Soil
☐ NY375 Residential Soil
☐ NY375 Restricted Non-Residential Soil

Data Format
☐ Phoenix Std Report
☒ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Data Package
☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other

State where samples were collected: NY