LAM GEN REDEVELOPMENT

112 West 25th Street (Lot 49) and 113 West 24th Street (Lot 50)

Borough of Manhattan, New York City, New York

Remedial Action Work Plan

NYC VCP Project Number: 16CVCP019M

Prepared for:

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REMEDIAL ACTION WORK PLAN

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LIST OF ACRONYMS

Acronym	Definition
AST	Aboveground Storage Tank
CAMP	Community Air Monitoring Plan
C&D	Construction & Demolition
CEQR	City Environmental Quality Review
CFR	Code of Federal Regulations
CHASP	Construction Health and Safety Plan
CO	Certificate of Occupancy
CPC	City Planning Commission
DSNY	Department of Sanitation
“E”	E-Designation
EAS	Environmental Assessment Statement
EIS	Environmental Impact Statement
ESA	Environmental Site Assessment
EC/IC	Engineering Control and Institutional Control
ELAP	Environmental Laboratory Accreditation Program
FDNY	New York City Fire Department
GPR	Ground Penetrating Radar
GQS	Groundwater Quality Standard
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations Emergency Response
IDW	Investigation Derived Waste
Notice - NNO	Notice of No Objection
Notice - NTP	Notice To Proceed
Notice - NOS	Notice Of Satisfaction
Notice - FNOS	Final Notice of Satisfaction
NYC BSA	New York City Board of Standards and Appeals
NYC DCP	New York City Department of City Planning
NYC DEP	New York City Department of Environmental Protection
NYC DOB	New York City Department of Buildings
NYC DOF	New York City Department of Finance

NYC HPD	New York City Housing Preservation and Development
NYCRR	New York Codes Rules and Regulations
NYC OER	New York City Office of Environmental Remediation
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DEC PBS	New York State Department of Environmental Conservation Petroleum Bulk Storage
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
OSHA	United States Occupational Health and Safety Administration
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
PE	Professional Engineer
PID	Photo Ionization Detector
PM	Particulate Matter
QEP	Qualified Environmental Professional
RA	Register Architect
RAWP	Remedial Action Work Plan
RAR	Remedial Action Report
RCA	Recycled Concrete Aggregate
RCR	Remedial Closure Report
RD	Restrictive Declaration
RI	Remedial Investigation
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SSDS	Sub-Slab Depressurization System
SVOCs	Semi-Volatile Organic Compounds
USCS	Unified Soil Classification System
USGS	United States Geological Survey
UST	Underground Storage Tank
TAL	Target Analyte List

TCL	Target Compound List
TCO	Temporary Certificate of Occupancy
VB	Vapor Barrier
VOCs	Volatile Organic Compounds

CERTIFICATION

I, David Bausmith, am a Qualified Environmental Professional as defined in §43-140. I have primary direct responsibility for implementation of the remedial program for the LAM GEN Redevelopment Site at 112 West 25th Street, New York, NY, site number 16CVCP019M. I certify to the following:

- This Remedial Action Work Plan (RAWP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

David Bausmith, PE

QEP Name

QEP Signature

January 8, 2016

Date

I, Philip G. Clark, am currently a registered professional engineer licensed by the State of New York. I performed professional engineering services and had primary direct responsibility for designing the remedial program for the LAM GEN Redevelopment Site at 112 West 25th Street, New York, NY, site number 16CVCP019M. I certify to the following:

- I have reviewed this document and the Stipulation List, to which my signature and seal are affixed.
- Engineering Controls developed for this remedial action were designed by me or a person under my direct supervision and designed to achieve the goals established in this Remedial Action Work Plan for this site.
- The Engineering Controls to be constructed during this remedial action are accurately reflected in the text and drawings of the Remedial Action Work Plan and are of sufficient detail to enable proper construction.
- This Remedial Action Work Plan (RAWP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

Philip G. Clark, P.E., LSP

Name

88422

NYS PE License Number

Signature

January 8, 2016

Date

EXECUTIVE SUMMARY

LAM GEN 25 LLC has established this plan to remediate a 17,000-square foot property located at 112 West 25th Street (Lot 49) and 113 West 24th Street (Lot 50) in Manhattan, New York City, New York (the Site). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP). The remedial action described in this document achieves the remedial objectives, complies with applicable environmental standards, criteria and guidance, and conforms with applicable laws and regulations.

Site Location and Current Usage

The Site is located in the Flatiron section of Manhattan, New York City and is identified as Block 800 and Lots 49 and 50 on the New York City Tax Map. Figure 1 is a Site location map, and Figure 2 presents a survey of the Site. The Site is 17,000-square feet (SF) and is bounded by West 25th Street to the north, West 24th Street to the south, a building to the east, and a building to the west. Currently, the Site is vacant and contains no buildings. The surface area of the Site consists of exposed soils and masonry debris. The Site is subject to environmental review by the New York State Department of Environmental Conservation (NYSDEC) under open spill number 15-01663 (open) and 15-01725 (closed).

Summary of Proposed Redevelopment Plan

The proposed redevelopment plan includes the construction of two buildings; one on each Lot. It is anticipated that the building on Lot 49 will be constructed first.

The proposed building will measure approximately 9,000 square feet on the main level, and the foundation will occupy nearly the entire footprint of the Lot. The planned development of a basement and foundation will require excavation and disposal of soil from within the building footprint. The proposed depth of the basement will be approximately 15-20 feet beneath ground surface (ft-bgs); however, all soils will be removed down to bedrock (14 to 28 feet below grade) as part of site remediation. Approximately 9,500 tons of soils will be excavated and removed from Lot 49. The basement level will include mechanical

equipment, restrooms, and storage (Figure 3). The building setbacks are proposed at approximately 15 feet on the north side, and 10 feet on the south, east, and west sides. Entry is proposed from the north side, along 25th Street. No subdivision of the lot is proposed as part of the development at this time. The total gross square footage of the hotel will be approximately 315,500 SF. Anticipated usage of the floors is generally broken down as follows:

1st floor – public space and lobby/restaurant

2nd floor - public space and meeting rooms

3rd floor – mechanical systems

4th – 36th floor – event suites

36th floor – restaurant

37th floor – outdoor lounge

The property defined as Block 800, Lot 50, includes 0.163 acres of vacant land located immediately adjacent to 0.196 acres of land (Lot 49) that is being developed as a 37-floor, 315,500 SF commercial hotel. The current redevelopment plan for Lot 50 is similar to the one proposed for Lot 49. Specifically, redevelopment will include construction of a 40-story commercial hotel that will cover nearly the entire 7,112 SF lot. The sub-basement of the structure, which will include meeting, mechanical, and fitness rooms, will extend approximately 34 feet beneath ground surface (ft-bgs). To facilitate construction of the sub-basement and foundation of the proposed commercial hotel, existing soil (and bedrock, as necessary) will be excavated and removed from Lot 50 to a depth of approximately 34 ft-bgs. Based on the results of a Geotechnical Study completed in support of pending construction at the adjacent Lot 49, the resultant excavation will extend to the approximate surface of native bedrock beneath Lot 50. The foundation slab and sidewalls are expected to be equipped with a synthetic moisture/vapor barrier.

A full set of the architectural plans for the proposed building can be found in Appendix 1.

Summary of the Surrounding Property

The Site is surrounded by a combination of mixed commercial and residential properties described below.

Direction from Site	Surrounding Property Use (Address)
North	Commercial (119-125 West 25th Street; 115-117 West 25th Street) and multi family residence (107-113 West 25h Street)
West	Mixed residential and commercial (120 West 25th Street) and commercial (119-125 West 24th Street)
East	Mixed residential and commercial (110 West 25th Street) and commercial (109-111 West 24th Street)
South	Church (116 West 24th Street), Commercial (112-114 West 24th Street), hotel (108 West 24th Street), and commercial (106 West 24th Street

There are no sensitive receptors such as schools, hospitals, or daycare centers located within a 250-ft radius of the Site. One daycare center is located approximately 400 feet north-west of the Site; Tutor Time on 6th located at 776 6th Avenue New York, New York 10001. There are no hospitals or schools located within a 500-ft radius of the Site.

Summary of Past Site Uses and Areas of Concern

Past uses of the Site include a candy and chocolate factory (1880-1911), and automotive repair and parking (1927-2013). Potential environmental concerns identified in association with the former use of the subject property include the former presence of eight (8) 550-gallon gasoline underground storage tanks (USTs) and an abandoned hydraulic lift under the basement floor.

Summary of Past Work Performed under the Remedial Investigation

Investigations of soil, soil vapor and groundwater were performed in 2015 at the 112 West 25th Street (Lot 49) and 113 West 24th Street (Lot 50). The results are included as Attachment 1. The investigation included four (4) soil gas samples in the vicinity of the suspected former USTs, 27 soil samples from 15 soil borings across both lots, and four (4) groundwater samples. Samples were analyzed for petroleum-related compounds typically associated with the area of concern.

Summary of Findings of the Remedial Investigation

1. Elevation of the property above mean sea level ranges from 33 to 36 feet.
2. Depth to groundwater ranges from approximately 14 to 20 feet below grade at the Site.
3. Groundwater flow is generally from northwest to southeast beneath the Site.
4. Depth to bedrock ranges from approximately 14 to 28 feet below grade at the Site.
5. The stratigraphy of the Site, from the surface down, consists of 14 to 20 feet of Urban Fill underlain by Mica Schist Bedrock
6. May 2015 soil investigation collected fifteen (15) soil samples from nine (9) soil borings. Soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives and Restricted Residential Soil Cleanup Objectives (SCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Several VOCs including benzene (max. of 1.4 mg/Kg), toluene (max. of 22 mg/Kg), ethylbenzene (max. of 33 mg/Kg), total xylenes (max. of 160 mg/Kg), 1,3,5-trimethylbenzene (max. of 54 mg/Kg) and 1,2,4-trimethylbenzene (max. of 140 mg/Kg) exceeded Unrestricted Use SCOs. Several semi-volatile organic compounds (SVOCs) consisting of Polycyclic Aromatic Hydrocarbons (PAH) compounds were detected with benz(a)anthracene (max. 32 mg/kg), benzo(a)pyrene (max. 28 mg/kg), benzo(b)fluoranthene (max. 31 mg/kg), benzo(k)fluoranthene (max. 13 mg/kg), chrysene (max. 29 mg/kg), dibenzo(a,h)anthracene (max. 3.7 mg/kg) and indeno(1,2,3-cd)pyrene (max. 17 mg/kg) and Naphthalene (max. 96 mg/kg) exceeding Unrestricted Use as well as Restricted Commercial Use SCOs. Highest SVOCs were detected in one soil sample (SB-10 at 11’), indicating a hotspot area.
7. September 2015 soil sampling results detected elevated VOCs including total xylenes (max. of 570 mg/Kg) and 1,2,4-trimethylbenzene (max. of 290 mg/Kg) exceeding Commercial Use SCOs in SB-6 at 10 feet depths. Pesticides, PCBs, and SVOCs were all below Unrestricted Use SCOs. Metals including arsenic (max. of 32 mg/Kg), barium (max. of 780 mg/Kg), cadmium (max. of 77 mg/Kg), copper (max. of 510 mg/Kg), and lead (max. of 2600 mg/Kg) exceeded their Commercial Use SCOs in one soil boring, SB-

8 at 10 feet depths. The soil analytical results are suggestive of localized petroleum-related impacts in the vicinity of the former USTs on Lot 49.

8. In May 2015, groundwater_was collected from temporary wells and detected elevated VOCs and SVOCs. In October 2015, additional groundwater samples were obtained from permanent wells and detected VOCs, SVOCs, pesticides and metals exceeding their GQSs. VOCs including benzene (max. of 3000 ug/l), toluene (max. of 2100 ug/l), ethylbenzene (max. of 550 ug/l), total xylenes (max. of 2500 ug/l), 1,3,5-trimethylbenzene (max. of 89 mg/Kg) and 1,2,4-trimethylbenzene (max. of 200 mg/Kg) and naphthalene (max. of 180 ug/l) exceeded their GQSs.

9. Soil vapor results collected during the RI were compared to compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil vapor collected during the RI showed elevated levels of petroleum-related VOCs. The total concentration of petroleum-related VOCs (BTEX) detected was 2,395,100 $\mu g/m^3$. Chlorinated VOCs were not detected in soil vapor. Elevated concentrations of petroleum related compounds require mitigation.

The investigation results suggest localized petroleum-related impacts of soil and soil vapor in the vicinity of the former USTs on Lot 49. In general, the upper 10-12 feet of soil across the Site is not significantly impacted. Soil concentrations of Volatile Organic Compounds (VOCs) were greater than their respective unrestricted or residential Soil Cleanup Objectives (SCO), but less than their respective commercial SCOs at all locations except those in the vicinity of the former USTs. Semi-VOCs were detected at concentrations greater than their respective unrestricted SCO, but less than their respective commercial SCO at all but three (3) locations on the Site. The SVOCs detected are commonly associated with historic fill known to be present on the Site as well as surrounding properties, and therefore are likely unrelated to an area of concern on the Site. The groundwater results indicate that petroleum-related VOCs were detected at concentrations greater than their respective New York State Groundwater Quality Standard (GWQS) at all four locations sampled. Groundwater at the

Site appears to be perched on top of the bedrock underlying the Site at a depth of approximately 23-25 feet beneath ground surface (ft-bgs).

Summary of the Remedial Action for Lots 49 and 50

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

The preferred remedy for the site is Alternative 2, Restricted Commercial Use SCOs. Data generated during the site investigation support the conclusion that Alternative 1 Unrestricted Use SCOs for soil may be achievable by excavating to bedrock and, in the event that post remedial sampling confirms Alternative 1 cleanup levels have been achieved, that Alternative will be implemented. This remedy will remove all soil/fill exceeding Track 2 Restricted Commercial Use SCOs throughout the Site, which will be confirmed with post-excavation sampling.

Engineering Controls are required for a Track 2 cleanup and use restrictions will be imposed on the site.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and performance of all required NYC VCP Citizen Participation activities according to an approved Citizen Participation Plan.
2. Perform a Community Air Monitoring Program for particulates and volatile organic carbon compounds.
3. Selection of NYSDEC Part 375 Section 6.8(b) Track 2 Commercial Soil Cleanup Objectives (SCOs).
4. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.

5. Completion of a Waste Characterization sampling at a frequency dictated by disposal facility.

6. Excavation and removal of soil/fill exceeding Track 2 Commercial SCOs down to native bedrock (approximately 14 to 28 feet below grade), or deeper on both Lots, as needed for development purposes. Approximately, 9,500 tons of soils will be excavated and removed from this Site on Lot 49 only. This remedial plan will be amended prior to start of construction on Lot 50.

7. Following soil excavation, a chemical oxidant (e.g., RegenOx®) will be applied to groundwater in the open excavation of the Site. The In-situ chemical oxidation plan will be approved by NYSDEC prior to implementation.

8. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID. Appropriate segregation of excavated media on-Site.

9. Management of excavated materials including temporarily stockpiling and segregating in accordance with defined material types and to prevent co-mingling of contaminated material and non-contaminated materials.

10. Removal of all known UST's and any unknown USTs that are encountered during soil/fill removal actions. Registration of tanks and reporting of any petroleum spills associated with UST's and appropriate closure of these petroleum spills in compliance with applicable local, State and Federal laws and regulations.

11. Performance of a remedial action for the petroleum spill #15-01663 (open) and 15-01725 (closed) under New York State Department of Environmental Conservation (NYSDEC) Spill program. This remedial action will consist of installation and monitoring of off-site groundwater wells as required and approved by NYSDEC, will include the removal and proper closure of USTs, removal of LNAPL present beneath the site, treatment of groundwater plume via injections of chemical oxidation solutions if required by NYSDEC, excavation and removal of petroleum impacted soil, where feasible, and the implementation of a groundwater monitoring program. A separate RAWP Addendum may be required by NYSDEC.

12. Request for closure of onsite petroleum spill number #15-01663 (open) and 15-01725 (closed) under the authority of NYSDEC pending the results of the investigation and remediation and in accordance with CP-51 soil cleanup objectives. This RAWP does not alter or interfere with the remedial action for the petroleum spill. A separate Spill closure report will be prepared and submitted to NYSDEC, if warranted based on the results of the investigation.
13. Transportation and off-Site disposal of all soil/fill material at licensed or permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this Plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media on-Site.
14. Collection and analysis of end-point samples if native fill not present following excavation to determine the performance of the remedy with respect to attainment of SCOs.
15. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.
16. Construction of an engineered composite cover consisting of an 8 to 12 inch thick concrete building slab with an 8-inch clean granular sub-base beneath all building areas, 4-inch poured concrete on a 6-inch sub-base in sidewalk areas, and two feet of clean soil in all open space and landscaped areas.
17. Installation of a vapor barrier system consisting of a vapor barrier beneath the building slab and outside of sub-grade foundation sidewalls to mitigate soil vapor migration into the building. The vapor barrier system will consist of a 46-mil Preprufe 300R below the slab throughout the full building area and a 32-mil Preprufe 160R outside all sub-grade foundation sidewalls. All welds, seams and penetrations will be properly sealed to prevent preferential pathways for vapor migration. The vapor barrier system is an Engineering Control for the remedial action. The remedial engineer will certify in the RAR that the vapor barrier system was designed and properly installed to mitigate soil vapor migration into the building.
18. Installation of an active sub-slab depressurization system (SSDS). The SSDS will consist of three (3) separate piping loops installed within porous granular material consisting of

2-inch stone beneath the basement foundation. The loops will consist of a network of horizontal pipes set in the middle of a gas permeable layer immediately beneath the building slab and vapor barrier system. The horizontal piping will consist of fabric wrapped, perforated schedule 40 4-inch PVC pipe connected to a 6-inch steel pipe that penetrates the foundation and vented to the roof. The gas permeable layer will consistent of a 6-inch thick layer of 2-inch trap rock stone. The pipe will be finished at the roof line with a 6-inch goose neck pipe to prevent rain infiltration. The active SSDS will be hardwired and will include a blower installed on the roof line and a pressure gauge and alarm located in an accessible area in the basement. The active SSDS is an Engineering Control for the remedial action. The remedial engineer will certify in the RAR that the active SSDS was designed and properly installed to establish a vacuum in the gas permeable layer and a negative (decreasing outward) pressure gradient across the building slab to prevent vapor migration into the building.

19. Performance of all activities required for the remedial action, including acquisition of required permits and attainment of pretreatment requirements, in compliance with applicable laws and regulations.
20. Excavations will extend into the water table and dewatering will be conducted, as required. Dewatering will be conducted in compliance with city, state, and federal laws and regulations. If off-site disposal of extracted groundwater is required, the groundwater will either be containerized for off-site licensed or permitted disposal, or will be treated under a permit from New York City Department of Environmental Protection (NYCDEP) to meet pretreatment requirements prior to discharge to the sewer system.
21. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.
22. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.

23. Submission of a Remedial Action Report (RAR) that describes the remedial activities certifies that the remedial requirements have been achieved, defines the Site boundaries, lists any changes from this RAWP, and describes all Engineering and Institutional Controls to be implemented at the Site. A separate RAWP Addendum will be prepared for NYSDEC detailing spill remediation including injections, off-site treatment or monitoring.
24. Recording of a Declaration of Covenants and Restrictions that includes a listing of Engineering Controls and Institutional Controls and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

25. Performance of post excavation groundwater monitoring from three (3) shallow-zone and one (1) deep groundwater monitoring wells for a minimum of eight (8) quarters. Samples will be collected in accordance with NYSDEC DER-10, and analyzed for Site-related VOCs via EPA Method 8260. Groundwater well numbers and sampling plan will be approved by NYSDEC prior to implementation. Quarterly monitoring results will be submitted to NYSDEC and OER.

26. In-situ chemical oxidation to address residual groundwater contamination followed by monitored natural attenuation, as required and approved by NYSDEC.

COMMUNITY PROTECTION STATEMENT

The NYC Office of Environmental Remediation (OER) provides governmental oversight for the cleanup of contaminated property in NYC. This Remedial Action Work Plan ("cleanup plan") describes the findings of prior environmental studies, shows the location of identified contamination at the Site, and describes the plans to clean up the Site to protect public health and the environment.

This cleanup plan provides a very high level of protection for neighboring communities and also includes many other elements that address common community concerns, such as community air monitoring, odor, dust and noise controls, hours of operation, good housekeeping and cleanliness, truck management and routing, and opportunities for community participation. The purpose of this Community Protection Statement is to explain these community protection measures in non-technical language to simplify community review.

Project Information:

- Site Name: LAM GEN REDEVELOPMENT
- Site Address: 112 West 25th Street, New York, NY
- NYC Voluntary Cleanup Program Project Number: 16CVCP019M

Project Contacts:

- OER Project Manager: Will Wong, 212-341-0659
- Site Project Manager: David Bausmith, 201-332-1844
- Site Safety Officer: Anthony Cauterucci, 201-332-1844
- Online Document Repository: http://www.nyc.gov/html/oer/html/repository/RManhattan.shtml

Remedial Investigation and Cleanup Plan: Under the oversight of the NYC OER, a thorough study of this property (called a remedial investigation) has been performed to identify past property usage, to sample and test soils, groundwater and soil vapor, and to identify contaminant sources present on the property. The cleanup plan has been designed to address all contaminant sources that have been identified during the study of this property.

Identification of Sensitive Land Uses: Prior to selecting a cleanup, the neighborhood was evaluated to identify sensitive land uses nearby, such as schools, day care facilities, hospitals and residential areas. The cleanup program was then tailored to address the special conditions of this community.

Qualitative Human Health Exposure Assessment: An important part of the cleanup planning for the Site is a study to find all of the ways that people might come in contact with contaminants at the Site now or in the future. This study is called a Qualitative Human Health Exposure Assessment (QHHEA). A QHHEA was performed for this project. This assessment has considered all known contamination at the Site and evaluated the potential for people to come in contact with this contamination. All identified public exposures will be addressed under this cleanup plan.

Health and Safety Plan: This cleanup plan includes a Construction Health and Safety Plan (CHASP) that is designed to protect community residents and on-Site workers. The elements of this RAWP are in compliance with applicable safety requirements of the United States Occupational Safety and Health Administration (OSHA). This RAWP includes many protective elements including those discussed below.

Site Safety Coordinator: This project has a designated Site safety coordinator to implement the CHASP. The safety coordinator maintains an emergency contact sheet and protocol for management of emergencies. The Site safety coordinator is identified at the beginning of this Community Protection Statement.

Worker Training: Workers participating in cleanup of contaminated material on this project are required to be trained in a 40-hour hazardous waste operators training course and to take annual refresher training. This pertains to workers performing specific tasks including removing contaminated material and installing cleanup systems in contaminated areas.

Community Air Monitoring Plan: Community air monitoring will be performed during this cleanup project to ensure that the community is properly protected from contaminants, dust and odors. Air samples will be tested in accordance with a detailed plan called the Community Air Monitoring Plan or CAMP. Results will be regularly reported to the NYC Office of

Environmental Remediation. This cleanup plan also has a plan to address any unforeseen problems that might occur during the cleanup (called a 'Contingency Plan').

Odor, Dust and Noise Control: This cleanup plan includes actions for odor and dust control. These actions are designed to prevent off-Site odor and dust nuisances and includes steps to be taken if nuisances are detected. Generally, dust is managed by application of physical covers and by water sprays. Odors are controlled by limiting the area of open excavations, physical covers, spray foams and by a series of other actions (called operational measures). The project is also required to comply with applicable NYC noise control standards. If you observe problems in these areas, please contact the onsite Project Manager or NYC Office of Environmental Remediation Project Manager listed on the first page of this Community Protection Statement document.

Quality Assurance: This cleanup plan requires that evidence be provided to illustrate that all cleanup work required under the plan has been completed properly. This evidence will be summarized in the final report, called the Remedial Action Report. This report will be submitted to the NYC Office of Environmental Remediation and will be thoroughly reviewed.

Stormwater Management: To limit the potential for soil erosion and discharge, this cleanup plan has provisions for stormwater management. The main elements of the stormwater management include physical barriers such as tarp covers and erosion fencing, and a program for frequent inspection.

Hours of Operation: The hours for operation of cleanup will comply with the NYC Department of Buildings construction code requirements or according to specific variances issued by that agency. For this cleanup project, the hours of operation will conform to requirements of the NYC Department of Buildings.

Signage: While the cleanup is in progress, a placard will be prominently posted at the main entrance of the property with a laminated project Fact Sheet that states that the project is in the NYC Voluntary Cleanup Program and provides project contact names and numbers, and a link to the document repository where project documents can be viewed.

Complaint Management: The contractor performing this cleanup is required to address all complaints. If you have any complaints, you can call the facility Project Manager or the NYC Office of Environmental Remediation Project Manager listed on the first page of this Community Protection Statement document, or call 311 and mention the Site is in the NYC Voluntary Cleanup Program.

Utility Mark-outs: To promote safety during excavation in this cleanup, the contractor is required to first identify all utilities and must perform all excavation and construction work in compliance with NYC Department of Buildings regulations.

Soil and Liquid Disposal: All soil and liquid material removed from the Site as part of the cleanup will be transported and disposed of in accordance with all applicable City, State and Federal regulations, and required permits will be obtained.

Soil Chemical Testing and Screening: All excavations will be supervised by a trained and properly qualified environmental professional. In addition to extensive sampling and chemical testing of soils on the Site, excavated soil will be screened continuously using hand-held instruments, by sight, and by smell to ensure proper material handling and management, and community protection.

Stockpile Management: Soil stockpiles will be kept covered with tarps to prevent dust, odor and erosion. Stockpiles will be frequently inspected. Damaged tarp covers will be promptly replaced. Stockpiles will be protected with silt fences. Hay bales will be used, as needed, to protect storm water catch basins and other discharge points.

Trucks and Covers: Loaded trucks leaving the Site will be covered in compliance with applicable laws and regulations to prevent dust and odor. Trucks will be properly recorded in logs and records and placarded in compliance with applicable City, State and Federal laws, including those of the New York State Department of Transportation. If loads contain wet material that can leak, truck liners will be used. All transport of materials will be performed by licensed truckers and in compliance with applicable laws and regulations.

Imported Material: All fill materials proposed to be brought onto the Site will comply with rules outlined in this cleanup plan and will be inspected and approved by a qualified worker located on the Site. Waste materials will not be brought onto the Site. Trucks entering the Site with imported clean materials will be covered in compliance with applicable laws and regulations.

Equipment Decontamination: All equipment used for cleanup work will be inspected and washed, if needed, before it leaves the Site. Trucks will be cleaned at a truck inspection station on the property before leaving the Site.

Housekeeping: Locations where trucks enter or leave the Site will be inspected every day and cleaned regularly to ensure that they are free of dirt and other materials from the Site.

Truck Routing: Truck routes have been selected to: (a) limit transport through residential areas and past sensitive nearby properties; (b) maximize use of city-mapped truck routes; (c) limit total distance to major highways; (d) promote safety in entry to highways; (e) promote overall safety in trucking; and (f) minimize off-Site line-ups (queuing) of trucks entering the property. Operators of loaded trucks leaving the Site will be instructed not to stop or idle in the local neighborhood.

Final Report: The results of all cleanup work will be fully documented in a final report (called the Remedial Action Report) that will be available for public review online. A link to the online document repository and the public library with Internet access nearest the Site are listed on the first page of this Community Protection Statement document

Long-Term Site Management: If long-term protection is needed after the cleanup is complete, the property owner will be required to comply with an ongoing Site Management Plan that calls for continued inspection of protective controls, such as Site covers. The Site Management Plan is evaluated and approved by the NYC Office of Environmental Remediation. Requirements that the property owner must comply with are defined either in the property's deed or established through a city environmental designation registered with the Department of Buildings. A certification of continued protectiveness of the cleanup will be required from time to time to show that the approved cleanup is still effective.

REMEDIAL ACTION WORK PLAN

1.0 Project Background

LAM GEN 25 LLC is working with the NYC Office of Environmental Remediation (OER) in the New York City Voluntary Cleanup Program to investigate and remediate a property located at 112 West 25th Street (Lot 49) and 113 West 24th Street (Lot 50) in the Flatiron section of Manhattan, New York City (the Site). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP) in a manner that will render the Site protective of public health and the environment consistent with the contemplated end use. This RAWP establishes remedial action objectives, provides a remedial alternatives analysis that includes consideration of a permanent cleanup, and provides a description of the selected remedial action. The remedial action described in this document provides for the protection of public health and the environment, and complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

1.1 Site Location and Current Usage

The Site is located in the Flatiron section of Manhattan, New York and is identified as Block 800 and Lots 49 and 50 on the New York City Tax Map. Figure 1 is a Site location map. The Site is 17,000-square feet and is bounded by West 25th Street to the north, West 24th Street to the south, building to the east, and building to the west. Currently, the Site is vacant and contains no buildings. The surface area of the Site consists of exposed soils and debris. The Site is subject to environmental review by the New York State Department of Environmental Conservation (NYSDEC) under open spill number 15-01663.

1.2 Proposed Redevelopment Plan

The proposed redevelopment plan includes the construction of two buildings; one on each Lot. It is anticipated that the building on Lot 49 will be constructed first.

The proposed building will measure approximately 9,000 square feet on the main level, and the foundation will occupy nearly the entire footprint of the Lot. The planned development of a basement and foundation will require excavation and disposal of soil from within the building footprint. The proposed depth of the basement will be approximately 15-20 feet beneath ground surface (ft-bgs), however, all soils will be removed down to bedrock (14 to 28 feet below grade) as part of site remediation. Approximately 9,500 tons of soils will be excavated and removed from Lot 49. The basement level will include mechanical equipment, restrooms, and storage. The building setbacks are proposed at approximately 15 feet on the north side, and 10 feet on the south, east, and west sides. Entry is proposed from the north side, along 25th Street. No subdivision of the lot is proposed as part of the development at this time. The total gross square footage of the hotel will be approximately 315,500 SF. Anticipated usage of the floors is generally broken down as follows:

- 1st floor – public space and lobby/restaurant
- 2nd floor - public space and meeting rooms
- 3rd floor – mechanical systems
- 4th – 36th floor – event suites
- 36th floor – restaurant
- 37th floor – outdoor lounge

The property defined as Block 800, Lot 50, includes 0.163 acres of vacant land located immediately adjacent to 0.196 acres of land (Lot 49) that is being developed as a 37-floor, 315,500 SF commercial hotel. The current redevelopment plan for Lot 50 is similar to the one proposed for Lot 49. Specifically, redevelopment will include construction of a 40-story commercial hotel that will cover nearly the entire 7,112 SF lot. The sub-basement of the structure, which will include meeting, mechanical, and fitness rooms, will extend approximately 34 feet beneath ground surface (ft-bgs). To facilitate construction of the sub-basement and foundation of the proposed commercial hotel, existing soil (and bedrock, as necessary) will be

excavated and removed from Lot 50 to a depth of approximately 34 ft-bgs. Based on the results of a Geotechnical Study completed in support of pending construction at the adjacent Lot 49, the resultant excavation will extend to the approximate surface of native bedrock beneath Lot 50. The foundation slab and sidewalls are expected to be equipped with a synthetic moisture/vapor barrier.

1.3 Description of Surrounding Property

The Site is zoned industrial/commercial, and is surrounded by a combination of mixed commercial and residential properties described below.

Direction from Site	Surrounding Property Use (Address)
North	Commercial (119-125 West 25th Street; 115-117 West 25th Street) and multi family residence (107-113 West 25h Street)
West	Mixed residential and commercial (120 West 25th Street) and commercial (119-125 West 24th Street)
East	Mixed residential and commercial (110 West 25th Street) and commercial (109-111 West 24th Street)
South	Church (116 West 24th Street), Commercial (112-114 West 24th Street), hotel (108 West 24th Street), and commercial (106 West 24th Street

There are no sensitive receptors such as schools, hospitals, or daycare centers located within a 250-ft radius of the Site. One daycare center is located approximately 400 feet north west of the Site; Tutor Time and Ivy League Early Learning Academy on 6th located at 776 6th Avenue New York, New York 10001. There are no hospitals or schools located within a 500-ft radius of the Site.

Figure 3 shows the surrounding land usage.

1.4 Summary of Past Uses and Areas of Concern

Past uses of the Site include a candy and chocolate factory (1880-1911), and automotive repair and parking (1927-2013). Potential environmental concerns were identified in association with the current or former use of the subject property include the former presence of eight (8)

550-gallon gasoline underground storage tanks (USTs) and an abandoned hydraulic lift under the basement floor.

1.5 Summary of Work Performed under Previous Investigations

Investigation of the Site included various environmental site assessments and subsurface investigations commencing in 2006. Investigations of soil, soil vapor and groundwater were performed in 2015 at the 112 West 25th Street (Lot 49) and 113 West 24th Street (Lot 50). The investigation included four (4) soil gas samples in the vicinity of the suspected former USTs, 27 soil samples from 15 soil borings across both lots, and four (4) groundwater samples. Samples were analyzed for petroleum-related compounds typically associated with the area of concern.

1.6 Summary of Findings of Previous Investigations

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

Phase I Environmental Site Assessment, July 2006, prepared by Merritt Engineering Consultants (Merritt)

An Environmental Site Assessment (ESA) of the Site and adjoining Lot 50 was completed by Merritt in July 2006, which identified Recognized Environmental Conditions (RECs) associated with the Site. RECs are defined by the ASTM Standard Practice E1527-13 as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The following RECs were identified, and associated recommendations included, as part of the 2006 Merritt ESA:

- Sanborn Maps for the years 1930-1996 identified eight (8) gasoline tanks buried on site. Further investigation was recommended to determine if any buried tanks or sub-surface contamination is present.

- An abandoned hydraulic lift on site was suspected. Further investigation was recommended to determine if any sub-surface contamination is present.

The Merritt Phase I ESA is included in Appendix 1.

Environmental Subsurface Assessment Report, August 2006, prepared by Don Carlo Environmental Services Inc. (Don Carlo)

On August 7, 2006 Don Carlo Environmental Services (DCES) conducted an Environmental Subsurface Assessment. Five (5) soil borings were advanced south and west of the eight (8) abandoned USTS to a depth of 12 ft-bgs. Five (5) soil samples (B1-S1 through B5-S1) were collected and analyzed under EPA method STARS 8260 for Volatile Organic Compounds. Laboratory analysis of the soil samples did not identify any levels of soil contamination.

The DCES Environmental Subsurface Assessment is included in Appendix 1.

Phase I Environmental Site Assessment, November 2014, prepared by Partner Assessment Corporation (Partner)

As a follow up to the above-referenced investigations, Partner completed and updated Phase I ESA for the Site and adjoining Lot 50 in November 2014. Partner reviewed a previous *Phase I ESA*, dated July 14, 2006, prepared by Merritt Engineering Consultants (MEC) and an *Environmental Subsurface Assessment Report*, dated August 16, 2006 prepared by Don Carlo Environmental Services, Inc (DCES). According to the review of historical documents, the Site formerly utilized eight, 550-gallon gasoline USTs. These USTs were identified on Sanborn Fire Insurance Maps as early as 1930 in the northeast corner of the Site. During site reconnaissance, Partner observed eight vent pipes which appeared to confirm the presence of the USTs. Because the existing building at the Site was proposed to be demolished, excavated and redeveloped, the potential presence of the USTs was considered a REC.

A 2006 DCES subsurface assessment report reviewed by Partner included the advancement of five borings in the vicinity of the USTs. The DCES report stated the USTs were reportedly filled with sand at an unknown time. There is no mention regarding the confirmed closure of the USTs. Soil samples were collected and analyzed under EPA

Method STARS 8021 for Volatile Organic Compounds (VOCs). Laboratory analysis of the soil samples did not identify soil impacts above laboratory reporting limits and the NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs).

The Partner Phase I ESA is included in Appendix 1.

Geotechnical Evaluation, March 2015, prepared by URS

In January 2015, URS drilled four (4) test borings to evaluate the foundation design and construction of the proposed hotel. Based on the test boring results, the subsurface conditions consist of approximately 12 to 18.5 feet of sandy fill (Stratum 1) and 2 to 15 feet of dense sand (Stratum 2) overlying bedrock (described as schist bedrock with granite/pegmatite intrusions) at depths of approximately 14 to 28 feet below the sidewalk level (el. +12 to +26 feet). Groundwater in the upper fill layer was reported in 2009 at approximately six feet above the top of rock; however, neither the elevation nor presence of groundwater in the shallow fill unit are likely consistent since the shallow groundwater is perched on top of bedrock. Groundwater in the bedrock was reportedly encountered at boring/well location B2/MW-1, which was located in the southwest portion of the Site. The construction log for monitoring well MW-1 indicates the well was screened completely within the upper portion of the bedrock (el. +6 to -16 feet), and static water was observed at approximately 11 feet above the top of the screen.

URS recommended that the subcellar and northern cellar foundations be supported on footings or piers bearing on Class 1c rock with an allowable bearing capacity of 20 tons per square foot (tsf). Weathered rock (Class 1d) was encountered above Class 1c and will have to be removed. The maximum amount of weathered rock at the boring locations was approximately six feet. The depth to rock at the southern cellar area is significantly below the proposed bottom of foundation elevations; therefore, piers to rock are not considered feasible and it is recommended that the southern cellar foundations be supported on drilled caissons. The report provides recommendations for caissons with maximum allowable axial compression capacities of 200 and 440 tons. Recommendations are provided for static and seismic soil and rock lateral pressures for the below grade walls.

The report includes two options for addressing permanent groundwater control. Lam Gen has selected the option that includes waterproofing the below-grade walls and cellar and subcellar slabs and designing the walls and slabs to resist the hydrostatic pressure. Underpinning will be performed as recommended at locations where the new foundations will be placed within the influence zone of the existing adjacent building foundations.

The Geotechnical Evaluation is included in Appendix 1.

Phase II Subsurface Investigation Report, April 2015, prepared by Partner

In 2015, Partner confirmed that the former parking structure was demolished and was leveled to grade. The 2015 Phase II report indicates that the demolition debris was used to backfill the former basement area and UST excavations. Partner conducted soil vapor testing in the vicinity of the suspected former gasoline USTs at the Site.

Soil Vapor Investigation Findings - The scope of the Subsurface Investigation included the installation of four soil gas sample points for the collection of samples in the vicinity of the suspected former USTs. Four soil gas samples (SG-1 through SG-4) were collected and submitted for petroleum VOCs analysis. Based on observations made during boring activities, the underlying subsurface consisted of building debris and fill material consisting of brown fine to medium and silty sand with gravel and bricks from ground surface to approximately five ft-bgs. Groundwater was not encountered at any of the borings.

The laboratory analytical results of the soil gas samples indicated petroleum VOC impacts, specifically benzene, to the subsurface soil gas in the vicinity of the former USTs. At the time the Partner report was prepared, the benzene concentrations in two of the four soil gas were reported to exceed the corresponding EPA's commercial Vapor Intrusion Screening Level (VISL) for benzene.[1] Based on these results, Partner recommended further investigation and/or potential vapor mitigation design.

[1] Note that none of the detected VOC concentrations exceed the current commercial EPA soil vapor standard for benzene.

The Partner Phase II report is included in Appendix 1.

Remedial Investigation Report (112 West 25th Street), June 2015, prepared by AEI & *Remedial Investigation Report (111 West 24th Street)*, June 2015, prepared by AEI

AEI completed remedial investigation of soil and groundwater at the 112 West 25th Street (Lot 49) and 113 West 24th Street (Lot 50) in May 2015. The investigations were based on the historical reports and suspected presence of impacts related to former gasoline USTs. The results were presented in two Remedial Investigation Reports (RIRs) submitted for each lot since NYSDEC spill case numbers were assigned separately to each lot, as described below. Based on observations during the investigation that suggested a possible release, case number 1501663 was established for Lot 49 and spill number 1501725 was established for Lot 50. The spill numbers were established with the NYSDEC due to elevated PID readings, visual soil staining in the soil borings, and strong petroleum odors in the soil borings. Figure 2 of the Partner Phase II ESA (included in Appendix 1) depicts the location of the historical soil vapor samples collected by Partner, and the soil boring locations completed as part of the 2015 RIR.

Soil Investigation Findings - Fifteen (15) soil samples were collected from nine (9) soil borings as part of the investigation at Lot 49, and 12 samples were collected from six (6) soil borings at Log 50. All samples were analyzed for Volatile Organic Compounds (VOCs) per EPA method 8260 and Semi-VOCs per EPA method 8270, including petroleum compounds characteristic of the suspected contents of the former USTs. Each boring was advanced through the overburden fill unit to bedrock (schist), up to a maximum depth of 25 feet beneath ground surface (ft-bgs). The fill, which ranged in thickness from approximately 10-20 feet, consisted of brown-gray medium-coarse sand with brick, concrete, and other debris typical of historic fill. Soils encountered at all borings were generally dry-moist and devoid of standing water. Weathered bedrock and rock fragments were encountered at varying thicknesses beneath the fill unit, and the surface of competent rock varied greatly (generally between 11-25 ft-bgs). Consistent with the 2015 URS Geotechnical Report, the borings indicate that the depth of the bedrock surface generally increases from the northeastern portion of Lot 49 to the southern portion of Lot 50.

Several VOCs and SVOCs were detected in soil samples above the compounds' respective NYSDEC unrestricted SCO. However, no VOC concentrations exceeded their respective *commercial* SCO at any location except at boring location SB-2 and SB-3, which were located in the northern portion of the subject lot where the former USTs were situated. The concentrations of SVOCs were also less than their respective commercial SCOs at all locations except SB-9 (Lot 49) and SB-10 and SB-11 (Lot 50). The SVOCs detected were predominantly polynuclear aromatic hydrocarbons (PAHs) that are characteristic of historic fill known to be present at both lots and surrounding properties. Sample locations are shown on Figure 2 of the Appendix 1.

The soil analytical results are suggestive of localized petroleum-related impacts in the vicinity of the former USTs on Lot 49, and low-level SVOC impacts related to historic fill elsewhere.

Groundwater Investigation Findings - As described above, soils at both lots were generally dry-moist and devoid of standing water. However, temporary well points (TWPs) were installed at boring locations SB-3 and SB-6 (Lot 49), and SB-13 and SB-15 (Lot 50). The temporary wells, consisting of 2-inch diameter PVC screen and casing, were extended to the base of the open boreholes and allowed to stand overnight. The wells were not finished as permanent wells with a properly-installed filter pack, annular seal, etc. Approximately 1-2 feet of water accumulated in the TWPs after 24 hours, suggestive of perched water on the bedrock surface. Water samples were collected from each TWP. Several VOCs and SVOCs were detected in all samples at concentrations greater than their respective NYSDEC groundwater quality standard (GWQS). The VOCs detected included benzene, toluene, ethylbenzene, xylene (BTEX), naphthalene, and other petroleum-related compounds.

Because permanent monitoring wells were not installed, groundwater conditions in the shallow fill unit could not be assessed. Installation and monitoring of additional monitoring wells is necessary to properly evaluate the quality and flow direction for shallow groundwater, as well as deeper groundwater quality in bedrock beneath Lots 49 and 50.

The RIRs for 112 West 25th Street (Lot 49) and 113 West 24th Street (Lot 50) are included in Appendix 1.

In summary, the results of the RI indicate the following:

1. Elevation of the property above mean sea level ranges from 33 to 36 feet.
2. Depth to groundwater ranges from approximately 14 to 20 feet below grade at the Site.
3. Groundwater flow is generally from northwest to southeast beneath the Site.
4. Depth to bedrock ranges from approximately 14 to 28 feet below grade at the Site.
5. The stratigraphy of the Site, from the surface down, consists of 14 to 20 feet of Urban Fill underlain by Mica Schist Bedrock
6. The May 2015 soil investigation included collection of fifteen (15) soil samples from nine (9) soil borings. Soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives and Restricted Residential Soil Cleanup Objectives (SCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Several VOCs including benzene (max. of 1.4 mg/Kg), toluene (max. of 22 mg/Kg), ethylbenzene (max. of 33 mg/Kg), total xylenes (max. of 160 mg/Kg), 1,3,5-trimethylbenzene (max. of 54 mg/Kg) and 1,2,4-trimethylbenzene (max. of 140 mg/Kg) exceeded Unrestricted Use SCOs. Several semi-volatile organic compounds (SVOCs) consisting of Polycyclic Aromatic Hydrocarbons (PAH) compounds were detected with benz(a)anthracene (max. 32 mg/kg), benzo(a)pyrene (max. 28 mg/kg), benzo(b)fluoranthene (max. 31 mg/kg), benzo(k)fluoranthene (max. 13 mg/kg), chrysene (max. 29 mg/kg), dibenzo(a,h)anthracene (max. 3.7 mg/kg) and indeno(1,2,3-cd)pyrene (max. 17 mg/kg) and Naphthalene (max. 96 mg/kg) exceeding Unrestricted Use as well as Restricted Commercial Use SCOs. Highest SVOCs were detected in one soil sample (SB-10 at 11’), indicating a hotspot area.
7. September 2015 soil sampling results detected elevated VOCs including total xylenes (max. of 570 mg/Kg) and 1,2,4-trimethylbenzene (max. of 290 mg/Kg) exceeding

Commercial Use SCOs in SB-6 at 10 feet depths. Pesticides, PCBs, and SVOCs were all below Unrestricted Use SCOs. Metals including arsenic (max. of 32 mg/Kg), barium (max. of 780 mg/Kg), cadmium (max. of 77 mg/Kg), copper (max. of 510 mg/Kg), and lead (max. of 2600 mg/Kg) exceeded their Commercial Use SCOs in one soil boring, SB-8 at 10 feet depths. The soil analytical results are suggestive of localized petroleum-related impacts in the vicinity of the former USTs on Lot 49.

8. In May 2015, groundwater was collected from temporary wells and detected elevated VOCs and SVOCs. In October 2015, additional groundwater samples were obtained from permanent wells and detected VOCs, SVOCs, pesticides and metals exceeding their Groundwater Quality Standards (GQSs). VOCs including benzene (max. of 3000 ug/l), toluene (max. of 2100 ug/l), ethylbenzene (max. of 550 ug/l), total xylenes (max. of 2500 ug/l), 1,3,5-trimethylbenzene (max. of 89 mg/Kg) and 1,2,4-trimethylbenzene (max. of 200 mg/Kg) and naphthalene (max. of 180 ug/l) exceeded their GQSs.

9. Soil vapor results collected during the RI were compared to compounds listed in Table 3.1 Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil vapor collected during the RI showed elevated levels of petroleum-related VOCs. The total concentration of petroleum-related VOCs (BTEX) detected was 2,395,100 $\mu g/m^3$. Chlorinated VOCs were not detected in soil vapor. Elevated concentrations of petroleum related compounds require mitigation.

Based on an evaluation of the data and information from the RIR and this RAWP, disposal of significant amounts of hazardous waste is not suspected at this site.

2.0 Remedial Action Objectives

Based on the results of the RI, the following Remedial Action Objectives (RAOs) have been identified for this site:

2.1 Soil

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

2.2 Groundwater

- Remove Site-related contaminant sources causing impact to groundwater.
- Monitor groundwater improvement in response to contaminant source removal and/or treatment (as required by NYSDEC).
- Prevent direct exposure to contaminated groundwater.
- Prevent exposure to Site-related contaminants volatilizing from contaminated groundwater.
- Prevent off-Site migration (as required by NYSDEC) of Site-related contaminated groundwater at concentrations greater than applicable groundwater standards.

2.3 Soil Vapor

- Prevent exposure to contaminants in soil vapor.
- Prevent migration of soil vapor into dwelling and other occupied structures.

3.0 Remedial Alternatives Analysis

The goal of the remedy selection process is to select a remedy that is protective of human health and the environment taking into consideration the current, intended and reasonably anticipated future use of the property. The remedy selection process begins by establishing RAOs for media in which chemical constituents were found in exceedance of applicable standards, criteria and guidance values (SCGs). Remedial alternatives are then developed and evaluated based on the following ten criteria:

- Protection of human health and the environment;
- Compliance with SCGs;
- Short-term effectiveness and impacts;
- Long-term effectiveness and permanence;
- Reduction of toxicity, mobility, or volume of contaminated material;
- Implementability;
- Cost effectiveness;
- Community acceptance;
- Land use; and,
- Sustainability.

As required, a Track 1 Unrestricted Use scenario is evaluated for the remedial action. The following is a detailed description of the alternatives analyzed to address impacted media at the Site:

Alternative 1:

- Selection of NYSDEC 6NYCRR Part 375 Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs).
- Removal of all soil/fill exceeding Track 1 Unrestricted Use SCOs throughout the Site and confirmation that Track 1 Unrestricted Use SCOs have been achieved with post-excavation endpoint sampling. Based on the results of the RI, it is expected that this alternative would be achieved by excavating the entire Site to a depth of approximately

20-25 feet below grade to remove all historic fill. If soil/fill containing analytes at concentrations above Unrestricted Use SCOs is still present at the base of the excavation after removal of all soil required for construction of the new building's cellar level is complete, additional excavation would be performed to ensure complete removal of soil/ fill that does not meet Track 1 Unrestricted Use SCOs.

- No Engineering or Institutional Controls are required for a Track 1 cleanup. However, as part of development, a vapor barrier would be installed to prevent potential exposures from soil vapor in the future.

Alternative 2:

- Selection of Track 2 Restricted Commercial Use SCOs;
- Removal of all soil/fill exceeding Track 2 Restricted Commercial SCOs and confirmation that Track 2 Restricted Commercial SCOs have been achieved with post-excavation end point sampling. Based on the results of the Remedial Investigation, it is expected that SCOs would be achieved by excavating for construction of the new building's cellar level to a depth of approximately 20-25 feet across the entire Site. Although unlikely, since the target excavation depths correspond to the depth of native bedrock underlying the Site, additional excavation would be performed to meet Track 2 Restricted Commercial SCOs to address soil/fill containing analytes at concentrations above Track 2 Restricted Commercial SCOs that may remain at the base of the excavation.
- Placement of a composite cover system over the entire Site to prevent exposure to remaining soil/fill;
- Installation of waterproofing/vapor barrier system beneath the building slab and along foundation side walls to prevent potential exposures from soil vapor;
- Installation and operation of an active Sub Slab Depressurization System (SSDS);
- Establishment of use restrictions including prohibitions on the use of groundwater from the Site; prohibitions of restricted Site uses, such as farming or vegetable gardening, to prevent future exposure pathways; and prohibition of a higher level of land use without OER approval;

- Establishment of an approved Site Management Plan (SMP) to ensure long-term management of these Engineering and Institutional Controls including the performance of periodic inspections and certification that the controls are performing as they were intended. The SMP will note that the property owner and property owner's successors and assigns must comply with the approved SMP; and,
- Placement of a deed notice to record the ECs/ICs on the deed to ensure that future owners of the Site continue to comply with the SMP, as required.

3.1 Threshold Criteria

Protection of Public Health and the Environment

This criterion is an evaluation of the remedy's ability to protect public health and the environment, and an assessment of how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, and implementation of Engineering Controls or Institutional Controls. Protection of public health and the environment must be achieved for all approved remedial actions.

Alternative 1 would be protective of human health and the environment by removing all soil/fill exceeding Track 1 Unrestricted Use SCO's and groundwater protection standards, thus eliminating potential for direct contact with contaminated soil/fill once construction is complete and eliminating the risk of contaminants leaching into groundwater.

Alternative 2 would achieve comparable protections of human health and the environment by excavation and removal of most of the historic fill at the Site and by ensuring that remaining soil/fill on-Site meets Track 2 Restricted Commercial SCO's, as well as by placement of Institutional and Engineering Controls, including a composite cover system. The composite cover system would prevent direct contact with any remaining on-Site soil/fill. Implementing Institutional Controls including a Site Management Plan and instituting a deed notice on the property would ensure that the composite cover system remains intact and protective of public health. Establishment of Track 2 Restricted Commercial SCO's would minimize the risk of contamination leaching into groundwater.

For both Alternatives, potential exposure to contaminated soils or groundwater during construction would be minimized by implementing a Construction Health and Safety Plan, an approved Soil/Materials Management Plan, and Community Air Monitoring Plan (CAMP). Potential contact with contaminated groundwater would be prevented as its use is prohibited by city laws and regulations. Potential future migration of off-Site soil vapors into the new building would be prevented by installing a vapor barrier below the building slab and outside foundations walls below grade.

3.2 Balancing Criteria

Compliance with Standards, Criteria and Guidance (SCGs)

This evaluation criterion assesses the ability of the alternative to achieve applicable standards, criteria and guidance.

Alternative 1 would achieve compliance with the remedial goals, chemical-specific SCGs and RAOs for soil through removal of soil to achieve Track 1 Unrestricted Use SCO's and Protection of Groundwater SCO's. Compliance with SCGs for soil vapor would also be achieved by installing a waterproofing/vapor barrier system below the new building's basement slab and continuing the vapor barrier outside of subgrade foundation walls, as part of development.

Alternative 2 would achieve compliance with the remedial goals, chemical-specific SCG's and RAOs for soil through removal of soil to meet Track 2 Restricted Commercial SCO's. Compliance with SCG's for soil vapor would also be achieved by installing a waterproofing/vapor barrier system below the new building's basement slab and continuing the vapor barrier outside of subgrade foundation walls. A Site Management Plan would ensure that these controls remained protective for the long term.

Health and safety measures contained in the HASP and Community Air Monitoring Plan (CAMP) will be implemented during Site redevelopment under this RAWP. For both

Alternatives, focused attention on means and methods employed during the remedial action would ensure that handling and management of contaminated material would be in compliance with applicable SCGs. These measures will protect on-site workers and the surrounding community from exposure to Site-related contaminants.

Short-Term Effectiveness and Impacts

This evaluation criterion assesses the effects of the alternative during the construction and implementation phase until remedial action objectives are met. Under this criterion, alternatives are evaluated with respect to their short term effects during the remedial action on public health and the environment during implementation of the remedial action, including protection of the community, protection of onsite workers and environmental impacts.

Both Alternative 1 and 2 have similar short-term effectiveness during their implementation, as each requires excavation of historic fill material. Both alternatives would result in short-term dust generation impacts associated with excavation, handling, load out of materials, and truck traffic. However, focused attention to means and methods during removal action, including community air monitoring and appropriate truck routing, would minimize the overall impact of these activities.

An additional short-term adverse impact and risks to the community associated with both remedial alternatives is increased truck traffic. Truck traffic will be routed on the most direct course using major thoroughfares where possible and flag persons will be used to protect pedestrians at Site entrances and exits.

The potential adverse impact to the community, workers and the environment for both alternatives would be minimized through implementation of control plans including a Construction Health and Safety Plan, a Community Air Monitoring Plan (CAMP) and a Soil/Materials Management Plan (SMMP), during all on-Site soil disturbance activities and would minimize the release of contaminants into the environment. Both alternatives provide

short-term effectiveness in protecting the surrounding community by decreasing the risk of contact with on-Site contaminants. Construction workers operating under appropriate management procedures and a Construction Health and Safety Plan (CHASP) would provide protection from on-Site contaminants by using personal protective equipment would be worn consistent with the documented risks within the respective work zones.

Long-term effectiveness and permanence

This evaluation criterion addresses the results of a remedial action in terms of its permanence and quantity/nature of waste or residual contamination remaining at the Site after response objectives have been met, such as permanence of the remedial alternative, magnitude of remaining contamination, adequacy of controls including the adequacy and suitability of Engineering Controls/Institutional Controls (ECs/ICs) that may be used to manage contaminant residuals that remain at the Site and assessment of containment systems and ICs that are designed to eliminate exposures to contaminants, and long-term reliability of ECs.

Alternative 1 would achieve long-term effectiveness and permanence related to on-Site contamination by permanently removing all impacted soil/fill above Track 1 Unrestricted Use SCO's. Removal of on-Site contaminant sources will also prevent future groundwater contamination.

Alternative 2 would provide long-term effectiveness by removing most on-Site contamination and attaining Track 2 Restricted Commercial SCOs; installing a composite cover system across the Site; maintaining use restrictions; establishing an SMP to ensure long-term management of ICs and ECs; and instituting a restrictive declaration to memorialize these controls for the long term. The SMP would ensure long-term effectiveness of all ECs and ICs by requiring periodic inspection and certification that these controls and restrictions continue to be in place and are functioning as they were intended, assuring that protections designed into the remedy continue to provide the required level of protection.

Reduction of toxicity, mobility, or volume of contaminated material

This evaluation criterion assesses the remedial alternative's use of remedial technologies that permanently and significantly reduce toxicity, mobility, or volume of contaminants as their principal element. The following is the hierarchy of source removal and control measures that are to be used to remediate a Site, ranked from most preferable to least preferable: removal and/or treatment, containment, elimination of exposure and treatment of source at the point of exposure. It is preferred to use treatment or removal to eliminate contaminants at a Site, reduce the total mass of toxic contaminants, cause irreversible reduction in contaminants mobility, or reduce of total volume of contaminated media.

Alternative 1 will permanently eliminate the toxicity, mobility, and volume of contaminants from on-Site soil by removing all soil in excess of Track 1 Unrestricted Use SCO's.

Alternative 2 would remove most of the historic fill at the Site, and all remaining on-Site soil/fill beneath the new building will meet Track 2 Restricted Commercial SCO's.

Alternative 1 would remove a greater total mass of contaminants from the Site. The removal of soil to the top of native bedrock for the new development in both scenarios would lessen the difference in contaminant mass removal between these two alternatives.

Implementability

This evaluation criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation, including technical feasibility of construction and operation, reliability of the selected technology, ease of undertaking remedial action, monitoring considerations, administrative feasibility (e.g. obtaining permits for remedial activities), and availability of services and materials.

The techniques, materials and equipment to implement both Alternatives 1 and 2 are readily available and have been proven to be effective in remediating the contaminants present on the Site. They use standard equipment and technologies that are well established in the industry. The reliability of each remedy is also high. There are no special difficulties associated with any of the activities proposed.

Cost effectiveness

This evaluation criterion addresses the cost of alternatives, including capital costs (such as construction costs, equipment costs, and disposal costs, engineering expenses) and site management costs (costs incurred after remedial construction is complete) necessary to ensure the continued effectiveness of a remedial action.

Since historic fill at the Site was found to extend to a depth of up to 23 feet below grade during the RI, and the new building requires excavation of the entire Site to a depth of up to 25 feet, the costs associated with both Alternative 1 and Alternative 2 will likely be comparable. Costs associated with Alternative 1 could potentially be higher than Alternative 2 if soil with analytes above Track 1 Unrestricted Use SCOs is encountered below the excavation depth required for development. Additional costs would include installation of additional shoring/underpinning, disposal of additional soil, and import of clean soil for backfill. However, long-term costs for Alternative 2 are likely higher than Alternative 1 based on implementation of a Site Management Plan as part of Alternative 2.

The remedial plan would couple the remedial action with the redevelopment of the Site, lowering total costs. The remedial plan will also consider the selection of the most appropriate disposal facilities to reduce transportation and disposal costs during cleanup and redevelopment of the Site.

Community Acceptance

This evaluation criterion addresses community opinion and support for the remedial action. Observations here will be supplemented by public comment received on the RAWP.

This RAWP will be subject to a public review under the NYC VCP and will provide the opportunity for detailed public input on the remedial alternatives and the selected remedy. This public comment will be considered by OER prior to approval of this plan. The Citizen Participation Plan for the project is provided in Attachment 4. Observations here will be supplemented by public comment received on the RAWP. Under both alternatives, the overall goals of the remedial program, to protect public health and the environment and eliminate potential contaminant exposures, have been broadly supported by citizens in NYC communities.

Land use

This evaluation criterion addresses the proposed use of the property. This evaluation has considered reasonably anticipated future uses of the Site and takes into account: current use and historical and/or recent development patterns; applicable zoning laws and maps; NYS Department of State's Brownfield Opportunity Areas (BOA) pursuant to section 970-r of the general municipal law; applicable land use plans; proximity to real property currently used for residential use, and to commercial, industrial, agricultural, and/or recreational areas; environmental justice impacts, Federal or State land use designations; population growth patterns and projections; accessibility to existing infrastructure; proximity of the site to important cultural resources and natural resources, potential vulnerability of groundwater to contamination that might emanate from the site, proximity to flood plains, geography and geology; and current Institutional Controls applicable to the site.

The current, intended, and reasonably anticipated future land use of the Site and its surroundings are compatible with the selected remedy of soil remediation. The proposed future use of the Site includes a 37-story hotel and conference center with retail establishments at grade. Following remediation, the Site will meet either Track 1 Unrestricted Use or Track 2 Restricted Commercial SCOs, both of which are protective of public health and the environment for its planned commercial use. The proposed use is compliant with the property's zoning and is consistent with recent development patterns.

The areas surrounding the Site is urban and consists of predominantly mixed residential and commercial buildings in zoning districts designated for commercial and residential uses. The development would remediate a vacant contaminated lot and provide a modern commercial building. The proposed development would clean up the property and make it safer, create new employment opportunities, and associated societal benefits to the community, and other economic benefits from land revitalization.

Temporary short-term project impacts are being mitigated through site management controls and truck traffic controls during remediation activities. Following remediation, the Site will meet either Track 1 Unrestricted Use SCOs or Track 2 Restricted Commercial SCOs, both of which are protective of public health and the environmental for its planned use.

The Site is not in close proximity to important cultural resources, including federal or state historic or heritage sites or Native American religious sites, natural resources, waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species. The Site is located in an urban area and not in proximity to fish or wildlife and neither alternative would result in any potential exposure pathways of contaminant migration affecting fish or wildlife. The remedial action is also protective of groundwater natural resources. The Site does not lie in a Federal Emergency Management Agency (FEMA)-designated flood plain. Both alternatives are equally protective of natural resources and cultural resources. Improvements in the current environmental condition of the property achieved by both alternatives considered in this plan are consistent with the City's goals for cleanup of contaminated land.

Sustainability of the Remedial Action

This criterion evaluates the overall sustainability of the remedial action alternatives and the degree to which sustainable means are employed to implement the remedial action including those that take into consideration NYC's sustainability goals defined in PlaNYC: A Greener, Greater New York. Sustainability goals may include: maximizing the recycling and reuse of non-virgin materials; reducing the consumption of virgin and non-renewable

resources; minimizing energy consumption and greenhouse gas emissions; improving energy efficiency; and promotion of the use of native vegetation and enhancing biodiversity during landscaping associated with Site development.

While Alternative 2 would potentially result in lower energy usage based on reducing the volume of material transported off-Site, both remedial alternatives are comparable with respect to the opportunity to achieve sustainable remedial action. The remedial plan for either alternative would take into consideration the shortest trucking routes during off-Site disposal of historic fill and other soils, which would reduce greenhouse gas emissions and conserve energy used to fuel trucks. The New York City Clean Soil Bank program is available for reuse of any clean native soils under either alternative. A complete list of green remedial activities considered as part of the NYC VCP is included in a Sustainability Statement.

3.3 Selection of the Preferred Remedy

The preferred remedy for the site is Alternative 2, Restricted Commercial Use SCOs. Data generated during the site investigation support the conclusion that Alternative 1 Unrestricted Use SCOs for soil may be achievable by excavating to bedrock and, in the event that post remedial sampling confirm Alternative 1 cleanup levels have been achieved, that Alternative will be implemented.

The Alternative 2 remedy will remove all soil/fill exceeding Track 2 Restricted Commercial Use SCOs throughout the Site, which will be confirmed with post-excavation sampling. If soil/fill containing analytes at concentrations above Track 2 Restricted Use SCOs is still present at the base or walls of the excavation after removal of all soil required for construction of the new building's cellar level and slab are complete, additional excavation would be performed to ensure complete removal of soil/ fill that does not meet Track 2 Unrestricted Use SCOs.

Engineering Controls are required for a Track 2 cleanup. A concrete slab covering the entire site and waterproofing membrane would be installed as part of standard building development

and are considered part of the remedy. Additional soil vapor management is required as installation and operation of active SSDS system to address elevated soil vapor.

Use restrictions will be imposed on the site (including prohibitions on any use higher than Restricted Commercial, e.g. the use of groundwater from the Site; prohibitions of restricted Site uses, such as farming or vegetable gardening, to prevent future exposure pathways; and prohibition of a higher level of land use without NYSDEC approval). The property would receive a deed restriction registered with the county clerk memorializing institutional controls.

4.0 Remedial Action

4.1 Summary of Preferred Remedial Action

The preferred remedial action alternative is Alternative 2, the Track 2 remedial action. The preferred remedial action achieves protection of public health and the environment for the intended use of the property. The preferred remedial action will achieve all of the remedial action objectives established for the project and addresses applicable SCGs. The preferred remedial action is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants. The preferred remedial action alternative is cost effective and implementable and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and performance of all required NYC VCP Citizen Participation activities according to an approved Citizen Participation Plan.
2. Perform a Community Air Monitoring Program for particulates and volatile organic carbon compounds.
3. Selection of NYSDEC Part 375 Section 6.8(b) Track 2 Commercial Soil Cleanup Objectives (SCOs).
4. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas.
5. Completion of a Waste Characterization sampling at a frequency dictated by disposal facility.
6. Excavation and removal of soil/fill exceeding Track 2 Commercial SCOs down to native bedrock, or as needed for development purposes on both Lots. Approximately, 9,500 tons of soils will be excavated and removed from this Site on lot 49 only.
7. Following soil excavation, a chemical oxidant (e.g., RegenOx®) will be applied to groundwater in the open excavation of the Site. The In-situ chemical oxidation plan will be approved by NYSDEC prior to implementation.

8. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID. Appropriate segregation of excavated media on-Site.
9. Management of excavated materials including temporarily stockpiling and segregating in accordance with defined material types and to prevent co-mingling of contaminated material and non-contaminated materials.
10. Removal of all known UST's and any new USTs that are encountered during soil/fill removal actions. Registration of tanks and reporting of any petroleum spills associated with UST's and appropriate closure of these petroleum spills in compliance with applicable local, State and Federal laws and regulations.
11. Performance of a remedial action for the petroleum spill #15-01663 (open) and 15-01725 (closed) under New York State Department of Environmental Conservation (NYSDEC) Spill program. This remedial action will consist of installation and monitoring of off-site groundwater wells as required and approved by NYSDEC, will include the removal and proper closure of underground storage tanks, removal of LNAPL present beneath the site, treatment of groundwater plume via injections of bioremedial and chemical oxidation solutions if required by NYSDEC, excavation and removal of petroleum impacted soil, where feasible, and the implementation of a groundwater monitoring program. A separate RAWP Addendum may be required by NYSDEC.
12. Request for closure of onsite petroleum spill number #15-01663 (open) and 15-01725 (closed) under the authority of NYSDEC pending the results of the investigation and remediation and in accordance with CP-51 soil cleanup objectives. This RAWP does not alter or interfere with the remedial action for the petroleum spill. A separate Spill closure report will be prepared and submitted to NYSDEC, if warranted based on the results of the investigation.
13. Transportation and off-Site disposal of all soil/fill material at licensed or permitted facilities in accordance with applicable laws and regulations for handling, transport, and

disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media on-Site.

14. Collection and analysis of end-point samples if native fill not present following excavation to determine the performance of the remedy with respect to attainment of SCOs.
15. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations.
16. Construction of an engineered composite cover consisting of an 8 to 12 inch thick concrete building slab with an 8-inch clean granular sub-base beneath all building areas, 4-inch poured concrete on a 6-inch sub-base in sidewalk areas, and two feet of clean soil in all open space and landscaped areas.
17. Installation of a vapor barrier system consisting of vapor barrier beneath the building slab and outside of sub-grade foundation sidewalls to mitigate soil vapor migration into the building. The vapor barrier system will consist of a 46-mil Preprufe 300R below the slab throughout the full building area and a 32-mil Preprufe 160R outside all sub-grade foundation sidewalls. All welds, seams and penetrations will be properly sealed to prevent preferential pathways for vapor migration. The vapor barrier system is an Engineering Control for the remedial action. The remedial engineer will certify in the RAR that the vapor barrier system was designed and properly installed to mitigate soil vapor migration into the building.
18. Installation of an active sub-slab depressurization system (SSDS). The SSDS will consist of three (3) separate piping loops installed within porous granular material consisting of 2-inch stone beneath the basement foundation. Each loop will consist of a network of horizontal pipe set in the middle of a gas permeable layer immediately beneath the building slab and vapor barrier system. The horizontal piping will consist of fabric wrapped, perforated schedule 40 4-inch PVC pipe connected to a 6-inch steel pipe that penetrates the foundation and vented to the roof. The gas permeable layer will consistent of a 6-inch thick layer of 2-inch trap rock stone. The pipe will be finished at the roof line with a 6-inch goose neck pipe to prevent rain infiltration. The active SSDS will be hardwired and will include a blower installed on the roof line and a pressure gauge and

alarm located in an accessible area in the basement. The active SSDS is an Engineering Control for the remedial action. The remedial engineer will certify in the RAR that the active SSDS was designed and properly installed to establish a vacuum in the gas permeable layer and a negative (decreasing outward) pressure gradient across the building slab to prevent vapor migration into the building.

19. Performance of all activities required for the remedial action, including acquisition of required permits and attainment of pretreatment requirements, in compliance with applicable laws and regulations.
20. Excavations will extend into groundwater table and dewatering is required. Dewatering will be conducted in compliance with city, state, and federal laws and regulations. Extracted groundwater will either be containerized for off-site licensed or permitted disposal or will be treated under a permit from New York City Department of Environmental Protection (NYCDEP) to meet pretreatment requirements prior to discharge to the sewer system.
21. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations.
22. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency.
23. Submission of a Remedial Action Report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, lists any changes from this RAWP, and describes all Engineering and Institutional Controls to be implemented at the Site. A separate RAWP Addendum will be prepared for NYSDEC detailing spill remediation including injections, off-site treatment or monitoring.
24. Recording of a Declaration of Covenants and Restrictions that includes a listing of Engineering Controls and Institutional Controls and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of

groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

25. Performance of post excavation groundwater monitoring from three (3) shallow-zone and one (1) deep groundwater monitoring well for a minimum of eight (8) quarters. Samples will be collected in accordance with NYSDEC DER-10, and analyzed for Site-related VOCs via EPA Method 8260. Groundwater well numbers and sampling plan will be approved by NYSDEC prior to implementation. Quarterly monitoring results will be submitted to NYSDEC and OER.

26. In-situ chemical oxidation to address residual groundwater contamination followed by monitored natural attenuation as required and approved by NYSDEC.

4.2 Soil Cleanup Objectives and Soil/ Fill Management

Track 2 Restricted Commercial SCOs are proposed for this project and SCO's are defined in 6 NYCRR Part 375, Table 6.8 Track 2 Restricted Commercial Use. Soil and materials management on-Site and off-Site, including excavation, handling and disposal, will be conducted in accordance with the Soil/Materials Management Plan in Attachment 1. Discrete contaminant sources (such as hotspots) identified during the remedial action will be identified by GPS or surveyed. This information will be provided in the Remedial Action Report.

Estimated Soil/Fill Removal Quantities

The locations of planned excavations are depicted on Figures 6 and 7. The maximum total quantity of soil/fill expected to be excavated and disposed off-Site is approximately 9,500 tons. The proposed disposal locations for Site-derived impacted materials are listed below. Additional disposal locations established at a later date will be reported promptly to the OER Project Manager.

Disposal Facility	Waste Type	Estimated Quantities
Clean Earth, Carteret, NJ	Historic Fill	9,500 tons (lot 49 only)

End-point Sampling

End-point samples will be analyzed for compounds and elements as described below utilizing the following methodology:

- Volatile organic compounds by EPA Method 8260;
- Semi-volatile organic compounds by EPA Method 8270;
- Target Analyte List metals; and,
- Pesticides/PCBs by EPA Method 8081/8082.

New York State ELAP certified labs will be used for all end-point sample analyses. Labs performing end-point sample analyses will be reported in the RAR. The RAR will provide a tabular and map summary of all end-point sample results and will include all data including non-detects and applicable standards and/or guidance values.

Confirmation End-point Sampling

Removal actions for development purposes under this plan will be performed in conjunction with confirmation end-point soil sampling. Confirmation samples will be collected from the base of the excavation, if non-native fill exists, at locations to be determined by OER. To evaluate attainment of Track 2 SCOs, analytes will include those for which SCOs have been developed, including VOCs, SVOCs, TAL metals, and Pesticides/PCBs according to analytical methods described above. End point sampling will be conducted per requirements of NYSDEC DER10 available at http://www.dec.ny.gov/regulations/2393.html.

Quality Assurance/Quality Control

QA/QC procedures will be used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for documentation and groundwater sampling. Sampling equipment will be disposable/dedicated or decontaminated by wiping clean, washing with Alconox solution, rinsing with deionized water and air drying prior to each use in order to ensure that cross-contamination between sampling locations does not occur. Decontamination procedures will be performed in an area segregated from any sampling areas. Each sample will be collected in pre-cleaned, laboratory supplied glassware, appropriately labeled, stored in a cooler with ice and submitted for analysis under proper chain of custody procedures to Alpha Analytical Laboratories (Alpha) of Westborough,

MA, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11148). Trip blanks will be used whenever samples are transported to the laboratory for analysis of VOCs. Trip blanks will not be used for samples to be analyzed for metals, SVOCs or pesticides. One blind duplicate sample will be prepared and submitted for analysis every 20 samples.

Import and Reuse of Soils

Import of soils onto the property and reuse of soils already onsite is not anticipated; however, import and/or reuse of soils, if necessary, will be subject to site-specific acceptance testing and OER approval.

4.3 Groundwater Delineation

Based on the groundwater sampling and analysis result presented in the RIR, downgradient monitoring wells MW-4 and MW-5 (located along West 24th Street) contain VOCs at concentrations greater than their respective NYSDEC GQS. Additional delineation of the VOCs will therefore be performed to the south of the Site. As illustrated on Figure 8, monitoring well MW-6 will be installed directly downgradient of monitoring wells MW-4 and MW-5. Similar to monitoring wells MW-4 and MW-5, MW-6 will be constructed as a 2-inch diameter well screened to the top of bedrock (approximately 23-25 ft-bgs). The screen will be extended above the water table, estimated to be approximately 8-10 ft-bgs.

Monitoring MW-6 will be sampled concurrently with other on-site monitoring wells, for VOCs by EPA Method 8260. The monitoring results will be evaluated to determine if additional delineation is warranted, and transmitted in a letter report to the NYSDEC. Depending on the results, the Monitored Natural Attenuation (MNA) monitoring program described below in Section 4.5 may be modified.

4.4 In-Situ Chemical Oxidation of Groundwater

The Site-related contaminants of concern at the Site include petroleum hydrocarbons that are well-known to be amenable to chemical oxidation. In-Situ Chemical Oxidation (ISCO) is a

technique whereby an oxidant is introduced to the subsurface to chemically oxidize organic contaminants and change them into harmless substances. Although removal of impacted soils that represent the primary source of groundwater impacts will greatly improve the groundwater quality, the introduction of an oxidant to the subsurface prior to construction of the surface cover is expected to enhance the natural attenuation process of any remaining contaminants. Therefore, following soil excavation, a chemical oxidant (e.g., RegenOx®) will be applied to groundwater in the open excavation of the Site. RegenOx is a two-part ISCO reagent that combines a solid sodium percarbonate based alkaline oxidant (Part A), with a liquid mixture of sodium silicates, silica gel and ferrous sulfate (Part B). RegenOx produces minimal heat and pressure and is non-corrosive making it a relatively safe chemical oxidant that is compatible for use in direct contact with underground infrastructure such as utilities, tanks, piping communication lines, etc. Following the completion of the chemical oxidation reactions, RegenOx creates a significant, short-term oxygen footprint to quickly establish follow-on aerobic biodegradation conditions. The release of dissolved oxygen supports a number of biological oxidation pathways that would be expected to result in the further breakdown of residual petroleum-related VOCs. The remedial action plan would include one application event, after which, the excavation would be backfilled with clean fill. The total amount of RegenOx® to be applied is conservatively estimated at 1,000 pounds; however, because the contaminant mass remaining following excavation of soils to bedrock will be substantially reduced, the RegenOx® application may be modified after post-excavation contaminant levels are re-assessed. Application details will be submitted to NYSDEC for approval prior to conducting the application.

4.5 Monitored Natural Attenuation

Following soil excavation and application of RegenOx®, groundwater monitoring from four (4) shallow-zone and one (1) deep groundwater monitoring well will be conducted for a minimum of eight (8) quarters. The proposed monitoring well network is illustrated on Figure 8, and includes shallow-zone monitoring wells MW-2, 4, 5, and MW-6, and deep-zone monitoring well MW-1. Monitoring well MW-3 is not necessary for long-term natural attenuation monitoring, and cannot be maintained at its current location on the Site due to the proposed

construction on Lot 50. Consequently, MW-3 will be properly abandoned prior to the redevelopment of Lot 50.

Samples will be collected in accordance with NYSDEC DER-10, and analyzed for Site-related VOCs by EPA Method 8260. General water quality parameters including dissolved oxygen, conductivity, oxidation-reduction potential, pH, etc., will also be monitored to evaluate decreasing concentration trends following removal of potential source materials (i.e, soil) from the Site, and application of the RegenOx® as a bioremediation enhancement.

4.6 Engineering Controls

Engineering Controls will be employed in the remedial action to address residual contamination remaining at the Site. The Site has three primary Engineering Control (EC) Systems. These are:

- cover system consisting of concrete building foundation slabs and walls and concrete sidewalks;
- vapor barrier system; and,
- active sub-slab depressurization system

Composite Cover System

Exposure to residual soil/fill will be prevented by an engineered, cover system to be built on the Site. This composite cover system is comprised of:

1. 4 inch thick concrete covered sidewalks; and,
2. 6-inch to 12-inch thick concrete building slab beneath the entire proposed building, and 14 inch thick concrete foundation walls.

The proposed development plans included in Appendix 1 includes details for each remedial cover type used on this Site. The cover system will extend across the entire footprint of Lot 49, and will serve as a permanent engineering control for the Site.

Vapor Barrier system

A vapor barrier will be installed as part of the waterproofing system for the proposed new construction. The barrier will consist of Grace Preprufe 160R along the foundation walls and Grace Preprufe 300R below the lowest level horizontal slab and elevator pits. This waterproofing will also serve as a vapor barrier that would mitigate potential vapors from off-site properties. The barrier will be installed in accordance with the manufacturer's specifications, including those for sealing penetrations through the foundations. Proof of installation of the barrier will be included in the Professional Engineer (P.E.) certified RAR.

Active Sub-Slab Depressurization System

An active sub-slab depressurization system will be installed beneath the footprint of the new building slab to address residual soil vapors (Figure 5). The SSDS will consist of three (3) separate loops installed within porous granular material consisting of a six-inch thick layer of 2-inch trap rock stone beneath the basement foundation (Bluestone or approved equivalent). The three SSDS loops will provide the correct coverage in accordance with USEPA sub-slab depressurization design specifications, where practicable, which recommend a separate vent loop for every 4,000 ft^2 of slab area. The SSDS piping will be labeled, and each loop will be outfitted with a riser that will extend to the roof of the building with a goose neck to prevent rain infiltration. The exhaust will be placed at a minimum distance of 15 ft from all air intakes. The SSDS system will be hardwired and will include pressure gauges and alarms in an accessible area of the basement.

The SSDS is a permanent engineering control that will be inspected and certified by the designated Professional Engineer following construction and performance testing. Performance test results and as-built documentation (including photo-documentation) will be included in the RAR. Maintenance of this SSDS will be described in the Site Management Plan in the RAR. Operation and maintenance activities will initially be conducted by the QEP periodically during the first year after installation. Thereafter,

building management staff trained by the QEP will continue operation and maintenance activities for the SSDS.

4.7 Institutional Controls

A series of Institutional Controls (IC's) are required under this Remedial Action to assure permanent protection of public health by elimination of exposure to residual materials. These IC's define the program to operate, maintain, inspect and certify the performance of Engineering Controls and Institutional Controls on this property. Institutional Controls would be implemented in accordance with a Site Management Plan included in the final Remedial Action Report (RAR). Institutional Controls would be:

- Recording of an OER-approved Declaration of Covenant and Restrictions (DCR) with the City Register or county clerk, as appropriate. The DCR will include a description of all ECs and ICs, will summarize the requirements of the SMP, and will note that the property owner and property owner's successors and assigns must comply with the DCR and the approved SMP. The recorded DCR will be submitted in the Remedial Action Report. The DCR will be recorded prior to OER issuance of the Notice of Completion;
- Submittal of a SMP in the RAR for approval by OER that provides procedures for appropriate operation, maintenance, inspection, and certification of ECs and IC's. SMP will require that the property owner and property owner's successors and assigns will submit to OER a periodic written statement that certifies that: (1) controls employed at the Site are unchanged from the previous certification or that any changes to the controls were approved by OER; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. OER retains the right to enter the Site in order to evaluate the continued maintenance of any controls. This certification shall be submitted at a frequency to be determine by OER in the SMP and will comply with RCNY §43-1407(l)(3).
- Vegetable gardens and farming on the Site are prohibited in contact with residual soil materials;

- Use of groundwater underlying the Site is prohibited without treatment rendering it safe for its intended use;
- All future activities on the Site that will disturb residual material must be conducted pursuant to the soil management provisions in an approved SMP;
- The Site will be used for commercial use and will not be used for a higher level of use without prior approval by OER.

4.8 Site Management Plan

Site Management is the last phase of remediation and begins with the approval of the Remedial Action Report and issuance of the Notice of Completion (NOC) for the Remedial Action. The Site Management Plan (SMP) describes appropriate methods and procedures to ensure implementation of all ECs and ICs that are required by this RAWP. The Site Management Plan is submitted as part of the RAR but will be written in a manner that allows its use as an independent document. Site Management continues until terminated in writing by OER. The property owner is responsible to ensure that all Site Management responsibilities defined in the Site Management Plan are implemented.

The SMP will provide a detailed description of the procedures required to manage residual soil/fill left in place following completion of the remedial action in accordance with the Voluntary Cleanup Agreement with OER. This includes a plan for: (1) implementation of EC's and ICs; (2) operation and maintenance of EC's; (3) inspection and certification of IC's and EC's.

Site management activities and EC/IC certification will be scheduled by OER on a periodic basis to be established in the RAR and the SMP and will be subject to review and modification by OER. The Site Management Plan will be based on a calendar year and certification reports will be due for submission to OER by July 30 of the year following the reporting period.

4.9 Qualitative Human Health Exposure Assessment

The objective of the qualitative exposure assessment is to identify potential receptors and pathways for human exposure to the contaminants of concern (COC) that are present at, or migrating from, the Site. The identification of exposure pathways describes the route that the

COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur.

Data and information reported in the Remedial Investigation Report (RIR) are sufficient to complete a Qualitative Human Health Exposure Assessment (QHHEA) for this project. As part of the VCP process, a QHHEA was performed to determine whether the Site poses an existing or future health hazard to the Site's exposed or potentially exposed population. The sampling data from the RI were evaluated to determine whether there is any health risk under current and future conditions by characterizing the exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. This QHHEA was prepared in accordance with Appendix 3B and Section 3.3 (b) 8 of the NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation.

Known and Potential Contaminant Sources

Based on the results of the RIR, the contaminants of concern are:

- Soil: Petroleum-related VOCs and SVOCs. The applicable SCOs are defined in 6 NYCRR Part 375, Table 6.8 Track 2 Restricted Commercial Use.
- Groundwater: Petroleum-related VOCs and SVOCs. The applicable standards are the NYS Groundwater Quality Standards defined under 6 NYCRR Part 703.
- Soil Vapor: Petroleum-related VOCs. There are no applicable state standards for soil vapor. Screening levels applicable for evaluation of potential vapor intrusion are published by the US EPA.

Nature, Extent, Fate and Transport of Contaminants

Soil: Petroleum-related VOCs and SVOCs were released to subsurface soil above the water table in the northwest portion of the Site. Migration of these compounds in soil downward and, to a lesser extent, laterally occurred over time. The VOCs volatilized to soil vapor in the vicinity of the release area, eventually releasing to the atmosphere. Natural attenuation mechanisms including biodegradation, adsorption, diffusion, etc., acted to reduce the toxicity and/or mobility of some of these compounds.

Groundwater: Petroleum-related VOCs and SVOCs near the suspected release area in the northwest portion of the Site appear to have migrated downward to the groundwater, which is present at variable depths between approximately 15-20 ft-bgs. The VOC and SVOC compounds, which are partially soluble in water, migrated with groundwater flow, which appears to be towards the south/southwest.

Soil Vapor: Petroleum-related VOCs released to soils above the groundwater table, and dissolved within the groundwater, have the potential to volatilize to soil vapor. Soil vapor in the vicinity of the suspected release area have been confirmed to contain petroleum related VOCs such as benzene.

Receptor Populations

On-Site Receptors: The Site is currently vacant and undeveloped and access to the Site is restricted by an 8 foot high, locked, perimeter fence. Onsite receptors are limited to trespassers, site representatives and visitors granted access to the property. During construction, potential on-site receptors include construction workers, site representatives, and visitors. Under proposed future conditions, potential on-site receptors include building occupants, workers and visitors.

Off-Site Receptors: Potential off-site receptors within a 500 foot radius of the Site include adult and child residents; commercial and construction workers; pedestrians; and trespassers based on the following land uses within 500 feet of the Site:

1. Commercial Businesses – existing and future
2. Residential Buildings – existing and future
3. Building Construction/ Renovation – existing and future
4. Pedestrians, Trespassers, Cyclists – existing and future

Potential Routes of Exposure

Three potential primary routes exist by which chemicals can enter the body: ingestion, inhalation, and dermal absorption. Exposure can occur based on the following potential media:

- Ingestion of groundwater or fill/ soil;
- Inhalation of vapors or particulates; and,
- Dermal absorption of groundwater or fill/soil.

Potential Exposure Points

Current Conditions: The Site is currently covered with bare fill; therefore, potential exposure pathways from ingestion, inhalation, or dermal absorption of soil/ fill exist. Groundwater is not exposed at the Site. The Site is served by the public water supply and groundwater is not used at the Site for potable supply; therefore, there is no potential for exposure. Because the site is currently undeveloped, there is no potential for soil vapor to accumulate on site.

Construction/ Remediation Conditions: During the remedial action, onsite workers will come into direct contact with surface and subsurface soils as a result of on-Site construction and excavation activities. On-Site construction workers potentially could ingest, inhale or have dermal contact with exposed impacted soil and fill. Similarly, off-Site receptors could be exposed to dust and vapors from on-Site activities. Due to the depth of groundwater, direct contact with groundwater is not expected, except during deeper soil excavation. During construction, on-Site and off-Site exposures to contaminated dust from on-Site will be addressed through the Soil/Materials Management Plan, dust controls, and through the implementation of the Community Air-Monitoring Program and a Construction Health and Safety Plan.

Proposed Future Conditions: Under future remediated conditions, all soils in excess of Track 2 Restricted Commercial SCOs will be removed. The Site will be fully capped, preventing potential direct exposure to soil and groundwater remaining in place, and engineering controls (including vapor barrier and SSDS) will prevent any potential exposure due to inhalation by preventing soil vapor intrusion. The Site is served by the public water supply, and groundwater is not used at the Site. Following remediation, there will be no

plausible off-site pathways for oral, inhalation, or dermal exposure to contaminants derived from the Site.

Overall Human Health Exposure Assessment

There are potential complete exposure pathways for the current Site condition. There are potential complete exposure pathways that require mitigation during implementation of the remedy. There are no complete exposure pathways under future conditions after the Site is developed. This assessment takes into consideration the reasonably anticipated use of the Site, which includes a commercial structure, site-wide surface cover, and a subsurface vapor barrier system for the building. Under current conditions, on-Site exposure pathways exist for those with access to the Site and trespassers. During remedial construction, on-Site and off-Site exposures to contaminated dust from historic fill material will be addressed through dust controls, and through the implementation of the Community Air Monitoring Program, the Soil/Materials Management Plan, and a Construction Health and Safety Plan. Potential post-construction use of groundwater is not considered an option because groundwater in this area of New York City is not used as a potable water source. There are no surface waters in close proximity to the Site that could be impacted or threatened.

5.0 REMEDIAL ACTION MANAGEMENT

5.1 Project Organization and Oversight

Principal personnel who will participate in the remedial action include Howard Wolfson, Owner's Representative, David Bausmith, Project Manager, and Anthony Cauterucci, Site Safety Manager. The Professional Engineer (PE) overseeing engineering controls is Philip G. Clark, PE, LSP, and Qualified Environmental Professional (QEP) is David Bausmith, PE.

5.2 Site Security

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

5.3 Work Hours

The hours for operation of cleanup will comply with the NYC Department of Buildings construction code requirements or according to specific variances issued by that agency. The hours of operation will be conveyed to OER during the pre-construction meeting

5.4 Construction Health and Safety Plan

The site-specific Construction Health and Safety Plan (HASP) is included in Attachment 2. The Site Safety Coordinator will be Anthony Cauterucci. Remedial work performed under this RAWP will be in full compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work is in compliance with the HASP and applicable laws and regulations. The HASP pertains to remedial and invasive work performed at the Site until the issuance of the Notice Of Completion.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the HASP and be required to sign an HASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the HASP. That document will define the specific project contacts for use in case of emergency.

5.5 Community Air Monitoring Plan

Real-time air monitoring for volatile organic compounds (VOCs) and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedences of action levels observed during performance of the Community Air Monitoring Plan (CAMP) will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The

particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (ug/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 ug/m^3 above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 ug/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 ug/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review.

5.6 Agency Approvals

All permits or government approvals required for remediation and construction have been or will be obtained prior to the start of remediation and construction. Acceptance of this RAWP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

5.7 Site Preparation

Pre-Construction Meeting

OER will be invited to attend the pre-construction meeting at the Site with all parties involved in the remedial process prior to the start of remedial construction activities.

Mobilization

Mobilization will be conducted as necessary for each phase of work at the Site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

Utility Marker Layouts, Easement Layouts

The presence of utilities and easements on the Site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed incompliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Markout Ticket will be retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAWP. The integrity and safety of on-Site and off-Site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAWP.

Dewatering

Construction dewatering during the planned excavation and foundation construction that requires off-site disposal, will either be containerized and disposed offsite to permitted facilities or pre-treated and discharged to the existing NYCDEP combined sewer. Required

NYCDEP discharge permits will be obtained prior to commencing dewatering activities. If dewatering is required, the method, system design, and disposal/discharge method will be reported to the OER Project Manager and documented in the Remedial Action Report.

Equipment and Material Staging

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations. The location of proposed equipment and material staging areas, truck inspection station, stockpile areas, and other pertinent remedial management features is shown in figure 4.

Stabilized Construction Entrance

Steps will be taken to ensure that trucks departing the site will not track soil, fill or debris off-Site. Such actions may include use of cleaned asphalt or concrete roads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to ensure that adjacent roadways will be kept clean of project related soils, fill and debris.

Truck Inspection Station

An outbound-truck inspection station will be set up close to the Site exit. Before exiting the Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms, shovels and potable water will be utilized for the removal of soil from vehicles and equipment, as necessary.

Extreme Storm Preparedness and Response Contingency Plan

Damage from flooding or storm surge can include dislocation of soil and stockpiled materials, dislocation of site structures and construction materials and equipment, and dislocation of support of excavation structures. Damage from wind during an extreme storm event can create unsafe or unstable structures, damage safety structures and cause downed power lines creating dangerous site conditions and loss of power. In the event of emergency conditions caused by an extreme storm event, the enrollee will undertake the following steps for site preparedness prior to the event and response after the event.

Storm Preparedness

Preparations in advance of an extreme storm event will include the following: containerized hazardous materials and fuels will be removed from the property; loose materials will be secured to prevent dislocation and blowing by wind or water; heavy equipment such as excavators and generators will be removed from excavated areas, trenches and depressions on the property to high ground or removed from the property; an inventory of the property with photographs will be performed to establish conditions for the site and equipment prior to the event; stockpile covers for soil and fill will be secured by adding weights such as sandbags for added security and worn or ripped stockpile covers will be replaced with competent covers; stockpiled hazardous wastes will be removed from the property; stormwater management systems will be inspected and fortified, including, as necessary: clean and reposition silt fences, hay bales; clean storm sewer filters and traps; and secure and protect pumps and hosing.

Storm Response

At the conclusion of an extreme storm event, as soon as it is safe to access the property, a complete inspection of the property will be performed. A site inspection report will be submitted to OER at the completion of site inspection and after the site security is assessed. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. Damage from storm conditions that result in acute public safety threats, such as downed power lines or imminent collapse of buildings, structures or equipment will be reported to public safety authorities via appropriate means such as calling 911. Petroleum spills will be reported to NYS DEC within 2 hours of identification and consistent with State regulations. Emergency and spill conditions will also be reported to OER. Public safety structures, such as construction security fences will be repaired promptly to eliminate public safety threats. Debris will be collected and removed. Dewatering will be performed in compliance with existing laws and regulations and consistent with emergency notifications, if any, from proper authorities. Eroded areas of soil including unsafe slopes will be stabilized and fortified. Dislocated materials will be collected and appropriately managed. Support of excavation structure will be inspected and fortified as necessary. Impacted stockpiles will be contained and damaged

stockpile covers will be replaced. Stormwater control systems and structures will be inspected and maintained as necessary. If soil or fill materials are discharged off site to adjacent properties, property owners and OER will be notified and corrective measure plan designed to remove and clean dislocated material will be submitted to OER and implemented following approval by OER and granting of site access by the property owner. Impacted offsite areas may require characterization based on site conditions, at the discretion of OER. If onsite petroleum spills are identified, a qualified environmental professional will determine the nature and extent of the spill and report to NYS DEC's spill hotline at DEC 800-457-7362 within statutory defined timelines. If the source of the spill is ongoing and can be identified, it should be stopped if this can be done safely. Potential hazards will be addressed immediately, consistent with guidance issued by NYS DEC.

Storm Response Reporting

A site inspection report will be submitted to OER at the completion of site inspection. An inspection report established by OER is available on OER's website (www.nyc.gov/oer) and will be used for this purpose. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. The site inspection report will be sent to the OER project manager and will include the site name, address, tax block and lot, site primary and alternate contact name and phone number. Damage and soil release assessment will include: whether the project had stockpiles; whether stockpiles were damaged; photographs of damage and notice of plan for repair; report of whether soil from the site was dislocated and whether any of the soil left the site; estimates of the volume of soil that left the site, nature of impact, and photographs; description of erosion damage; description of equipment damage; description of damage to the remedial program or the construction program, such as damage to the support of excavation; presence of onsite or offsite exposure pathways caused by the storm; presence of petroleum or other spills and status of spill reporting to NYS DEC; description of corrective actions; schedule for corrective actions. This report should be completed and submitted to OER project manager with photographs within 24 hours of the time of safe entry to the property after the storm event.

5.8 Traffic Control

The planned route on local roads for trucks leaving the Site is to proceed west on W. 25th Street (1-way) 1-block to 8th Avenue, turn right onto 8th Avenue (2-way) heading north to W.34th Street. Turn left heading west on W.34th 1 block to Dyer Avenue. Turn right onto Dyer Avenue to the Lincoln tunnel entrance. Turn right onto the Lincoln tunnel entrance and proceed to the tunnel exit at Rt 495. Continue on Rt 495 to Rt 1 or Interstate 95.

This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with Site materials will travel from the Site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site

5.9 Demobilization

Demobilization will include:

- As necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access area);
- Removal of sediment from erosion control measures and truck wash and disposal of materials in accordance with applicable laws and regulations;
- Equipment decontamination; and,
- General refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (*e.g.*, soil excavators) will be washed at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

5.10 Reporting and Record Keeping

Daily reports

Daily reports providing a general summary of activities for each day of active remedial work will be emailed to the OER Project Manager by the end of the following business day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of excavation and other remedial work performed;
- Quantities of material imported and exported from the Site;
- Status of on-Site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP results noting all excursions. CAMP data may be reported;
- Photograph of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAWP will be communicated directly to the OER project manager by personal communication. Daily reports will be included as an Appendix in the RAR.

Record Keeping and Photo-Documentation

Job-site record keeping for all remedial work will be performed. These records will be maintained on-Site during the project and will be available for inspection by OER staff. Representative photographs will be taken of the Site prior to any remedial activities and during major remedial activities to illustrate remedial program elements and contaminant source areas. Photographs will be submitted at the completion of the project in the RAR in digital format (i.e. jpeg files).

5.11 Complaint Management

All complaints from citizens will be promptly reported to OER. Complaints will be addressed and outcomes will also be reported to OER in daily reports. Notices to OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve any problems.

5.12 Deviations from the Remedial Action Work Plan

All changes to the RAWP will be reported to the OER Project Manager and will be documented in daily reports and reported in the RAR. The process to be followed if there are any deviations from the RAWP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAWP;
- Effect of the deviations on overall remedy; and
- Determination that the remedial action with the deviation(s) is protective of public health and the environment.

6.0 REMEDIAL ACTION REPORT

A Remedial Action Report (RAR) will be submitted to OER following implementation of the remedial action defined in this RAWP. The RAR will document that the remedial work required under this RAWP has been completed and has been performed in compliance with this plan. The RAR will include:

- Information required by this RAWP;
- As-built drawings for all constructed remedial elements, required certifications, manifests and other written and photographic documentation of remedial work performed under this remedy;
- Site Management Plan;
- Description of any changes in the remedial action from the elements provided in this RAWP and associated design documents;
- Tabular summary of all end point sampling results and all material characterization results, QA/QC results for end-point sampling, and other sampling and chemical analysis performed as part of the remedial action;
- Test results or other evidence demonstrating that remedial systems are functioning properly;
- Account of the source area locations and characteristics of all contaminated material removed from the Site including a map showing source areas;
- Full accounting of the disposal destination of all contaminated material removed from the Site. Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material.
- Account of the origin and required chemical quality testing for material imported onto the Site.

- Recorded Declaration of Covenants and Restrictions. OR Continue registration of the property with an E-Designation by the NYC Department of Buildings (if Track 1 remedial action is not achieved);
- The RAWP and Remedial Investigation Report will be included as appendices to the RAR;
- Reports and supporting material will be submitted in digital form and final PDF's will include bookmarks for each appendix.

7.0 SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER. Currently, a nine (9) month remediation period is anticipated.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
OER Approval of RAWP	0	-
Mobilization	2	1
Remedial Construction	3	32
Demobilization	33	1
Record Declaration of Covenants and Restrictions	34	2
Submit Remedial Closure Report	36	2

ATTACHMENT 1 - Soil/Materials Management Plan

1.1 Soil Screening Methods

Visual, olfactory and PID soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the Remedial Action Report (RAR). Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Satisfaction.

1.2 Stockpile Methods

Excavated soil from suspected areas of contamination (e.g., hot spots, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

1.3 Characterization of Excavated Materials

Soil/fill or other excavated media that is transported off-Site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-Site will be managed as defined in this plan.

1.4 Materials Excavation, Load-Out and Departure

The PE/QEP overseeing the remedial action will:

- oversee remedial work and the excavation and load-out of excavated material;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- ensure that Site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this RAWP;
- ensure that the presence of utilities and easements on the Site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the Site;
- ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during Site remediation.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-Site will not be performed without prior OER approval.

1.5 Off-Site Materials Transport

Loaded vehicles leaving the Site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners will

be used. Queuing of trucks will be performed on-Site, when possible in order to minimize off Site disturbance. Off-Site queuing will be minimized.

Outbound truck transport routes are in Section 3.8 of the RAWP. This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with Site materials will travel from the Site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site.

1.6 Materials Disposal Off-Site

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Applicant to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Applicant. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RAR.

The RAR will include an itemized account of the destination of all material removed from the Site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RAR.

All impacted soil/fill or other waste excavated and removed from the Site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations.

Historic fill and contaminated soils taken off-Site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-Site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RAR. A manifest system for off-Site transportation of exported materials will be employed. Manifest information will be reported in the RAR. Hazardous wastes derived from on-Site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

1.7 Materials Reuse On-Site

Soil and fill that is derived from the property that meets the soil cleanup objectives established in this plan may be reused on-Site. The soil cleanup objectives for on-Site reuse are listed in the RAWP. “Reuse on-Site” means material that is excavated during the remedy or development, does not leave the property, and is relocated within the same property and on comparable soil/fill material, and addressed pursuant to Engineering Controls. The PE/QEP will ensure that reused materials are segregated from other materials to be exported from the Site and that procedures defined for material reuse in this RAWP are followed. The expected location for placement of reused material is shown in the RAWP.

Soil Re-use is not expected on the site. All excavated soil will be disposed of as discussed in this RAWP.

Organic matter (wood, roots, stumps, etc.) or other waste derived from clearing and grubbing of the Site will not be buried on-Site. Soil or fill excavated from the site for grading or other purposes will not be reused within a cover soil layer or within landscaping berms.

1.8 Demarcation

After completion of hotspot removal and any other invasive remedial activities, and prior to backfilling, the top of the residual soil/fill will be defined by one of three methods: (1) placement

of a demarcation layer. The demarcation layer will consist of geosynthetic fencing or equivalent material to be placed on the surface of residual soil/fill to provide an observable reference layer. A description or map of the approximate depth of the demarcation layer will be provided in the RAR; or (2) a land survey of the top elevation of residual soil/fill before the placement of cover soils, pavement and associated sub-soils, or other materials or structures or, (3) all materials beneath the approved cover will be considered impacted and subject to site management after the remedy is complete. Demarcation may be established by one or any combination of these three methods. As appropriate, a map showing the method of demarcation for the Site and all associated documentation will be presented in the RAR. This demarcation will constitute the top of the site management horizon.

1.9 Import of Backfill Soil from Off-Site Sources

This Section presents the requirements for imported fill materials to be used below the cover layer and within the clean soil cover layer. All imported soils will meet OER-approved backfill and cover soil quality objectives for this Site. The backfill and cover soil quality objectives are listed in the RAWP.

A process will be established to evaluate sources of backfill and cover soil to be imported to the Site, and will include an examination of source location, current and historical use(s), and any applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the Site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYS DEC.

All materials received for import to the Site will be approved by a PE/QEP and will be in compliance with provisions in this RAWP. The RAR will report the source of the fill, evidence that an inspection was performed on the source, chemical sampling results, frequency of testing, and a Site map indicating the locations where backfill or soil cover was placed.

Source Screening and Testing

Inspection of imported fill material will include visual, olfactory and PID screening for evidence of contamination. Materials imported to the Site will be subject to inspection, as follows:

- Trucks with imported fill material will be in compliance with applicable laws and regulations and will enter the Site at designated locations;
- The PE/QEP is responsible to ensure that every truck load of imported material is inspected for evidence of contamination; and
- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter.

Composite samples of imported material will be taken at a minimum frequency of one sample for every 500 cubic yards of material. Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the Site.

Recycled concrete aggregate (RCA) will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the RAR. A PE/QEP is responsible to ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

1.10 Fluids Management

All liquids to be removed from the Site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable laws and regulations. Liquids discharged into the New York City sewer system will receive prior approval by New York City Department of Environmental Protection (NYC DEP). The NYC DEP regulates discharges to the New York City sewers under Title 15, Rules of the City of New York Chapter 19. Discharge to the New York City sewer system will require an authorization and sampling data demonstrating that the groundwater meets the City's discharge criteria. The dewatering fluid will be pretreated as necessary to meet the NYC DEP discharge criteria. If discharge to the City sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-Site treatment facility.

Discharge of water generated during remedial construction to surface waters (i.e. a stream or river) is prohibited without a SPDES permit issued by New York State Department of Environmental Conservation.

1.11 Storm-water Pollution Prevention

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this RAWP (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

1.12 Contingency Plan

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive Site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the NYS DEC Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-Site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to OER. Chemical analytical testing will be performed for Full List volatiles and semi-volatiles, pesticides/PCBs, and TAL metals, as appropriate.

1.13 Odor, Dust and Nuisance Control

Odor Control

All necessary means will be employed to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-Site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying the RAR.

Dust Control

Dust management during invasive on-Site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the PE/QEP's responsible for certifying the Remedial Closure Report.

Other Nuisances

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided, during Site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

1.14 Import of Clean Cover

No soil is anticipated to be imported to the Site for use as clean cover. If any soil needs to be imported, all imported soil will be uncontaminated, clean soil that meets the lesser of the appropriate NYSDEC 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs and the NYSDEC 6 NYCRR Part 375-6.8 groundwater protection SCOs.

If imported clean cover soil is required, the imported uncontaminated, clean soil cover will be from an approved source/facility and will be evaluated by the PE/QEP to ensure:

1) That a segregated stockpile is properly maintained at the source and will not be comingled with any other material prior to importing and grading the clean soil material at the Site;
2) That the material does not include any solid waste, including construction and demolition material, as it's prohibited;
3) That screening for evidence of contamination by visual, olfactory and PID soil screening practices prior to testing at the source as well as upon importing to the Site for grading is completed; and
4) That a maximum five-part composite sample will be collected from the segregated stockpile at the source at a minimum frequency of one sample per 250 cubic yards and analyzed for the following Full List parameters:

    - 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)
    - TAL Metals by EPA Method 6010C (rev. 2007)

Upon receipt of the segregated stockpile analytical results collected at the source, a Clean Soil Sampling Report will be submitted to OER for review/approval prior to importing. The report will include the following:

1) Summary of number of samples collected and analyzed, tabulated data and comparison to the selected Site Use SCOs;
2) Analytical data sheets and chain of custody documentation;
3) Summary of amount of soil;
4) Photographs from the segregated stockpile at the source with sample point locations identified;

5) An affidavit from the source/facility on company letterhead stating that the segregated stockpile has been properly maintained at the source and complies with the requirements listed above; and
6) A copy of source/facility NYSDEC permit;

A highly visible demarcation barrier (i.e. orange geo-synthetic material or equivalent) will be installed beneath the clean soil/fill surface cover. Upon importing and grading the OER approved clean soil cover on top of a highly visible demarcation barrier, the following documentation will be presented in the Final Remedial Closure Report:

1. Copies of purchase invoices;
2. Truck transportation slips from the source to the Site;
3. Confirmation of OER approved clean soil cover material imported and graded at the site on top of highly visible demarcation barrier;
4. Site plan depicting all areas where the OER approved clean soil cover has been placed; and
5. Photographs documenting the importing and grading of the OER approved clean soil cover across the site with the underlying highly visible demarcation barrier (i.e. orange geo-synthetic material or equivalent).

ATTACHMENT 2 - Health and Safety Plan

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Environmental & Engineering Services

HEALTH & SAFETY, INJURY & ILLNESS PREVENTION PLAN (Fuel Sites)

Property Identification:
LAM GEN Redevelopment
112 West 25th Street & 113 West 24th Street
New York, New York 10001

AEI Project No. 343443 & 343444

Prepared for:
Raymond Lam
LAM GEN 25 LLC
135 Grand Street 3rd Floor
New York, New York, 10013

Prepared by:
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Revised: June 2011

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APPENDICES

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APPENDIX E — *SUBCONTRACTOR STATEMENT AND UNDERSTANDING*

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1.0 General Information

Client/Site Name:	LAM GEN 25 LLC/ LAM GEN Redevelopment		
Site Address:	112 West 25th St & 113 West 24th St New York, New York 10001		
Job/Project #:	343443 & 343444		
Estimated Start Date:	9/28/15	Estimated Completion Date:	10/7/15

Have Necessary Underground Utility Notifications for Subsurface Work Been Made? ☒ Yes ☐ Not Applicable

(Specify clearance dates, USA Ticket #, and other relevant information on the "Site Inspection Log")

2.0 Scope of Work

Site Description:	Vacant Land in Urban setting & sidewalk in NYC
Specific Tasks Performed by AEI:	Monitoring Well Install and sampling Soil borings with temporary wells Soil Gas Sampling
Concurrent Tasks to be Performed by AEI Subcontractors (List Subs by Name):	Foresight Drillers: Soil boring advancement & Monitoring well install Aquifer Drilling: Monitoring Well install on sidewalk
Concurrent Tasks to be Performed by Others (List Others by Name):	N/A

3.0 Roles and Responsibilities

AEI Personnel

Name	Project Title / Assigned Role	Phone Numbers
Joe Bernarducci	Project Manager / Site Safety Officer	973-600-8649
	Project Engineer / Site Safety Officer	
	Senior Field Technician	
	Principal Geologist / Vice President	

Emergency Contacts [Cal/OSHA 8 CCR 5192(l)]

Emergency Information	Emergency Number	Phone Numbers
New York City Police Department 10th Precinct	911	(212) 741-8211
FDNY Engine 3/Tower Ladder 12/ Battalion 7	911	
(Bellevue Hospital Center) 462 1st Avenue New York New York 10016	911 (map attached on next page)	(212) 562-4141
Joe Bernarducci	Project Manager / Site Safety Officer	(973) 600-8649
Location of Nearest Phone & First Aid:	Mobile cellular telephone in the Site Safety Officer's work vehicle	

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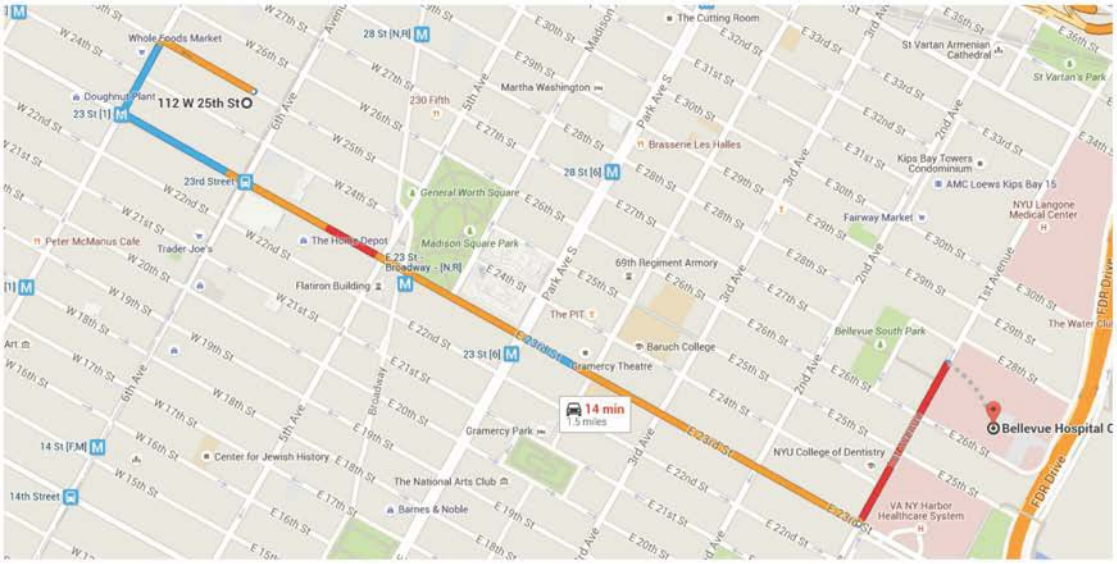
4.0 DIRECTIONS TO THE NEAREST EMERGENCY DEPARTMENT

Google

Drive 1.5 miles, 14 min

Directions from 112 W 25th St to Bellevue Hospital Center



112 W 25th St

New York, NY 10001

1. Head **northwest** on **W 25th St** toward **7th Ave** — 0.1 mi
2. Turn **left** at the 1st cross street onto **7th Ave** — 0.1 mi
3. Turn **left** at the 2nd cross street onto **W 23rd St** — 1.0 mi
4. Turn **left** onto **1st Avenue** — 0.2 mi

   Destination will be on the right

Bellevue Hospital Center

462 1st Avenue, New York, NY 10016

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2015 Google

5.0 EMERGENCY PROCEDURES [CAL/OSHA 8 CCR 5192(L)]

If an emergency arises, the on-site personnel should contact the EMT by dialing 911. Emergency communications at the site will be by means of a cellular radio and/or telephone. All work in the project area should stop and the work area should be secured, to the extent possible. The following general procedures will be followed in the case of a medical emergency at the site:

Skin Contact - Skin exposure should be treated by rinsing with soap and water. All contaminated clothing must be removed.

Eye Contact - Eye contact with chemicals should be treated by rinsing the eye with solution or water for at least 15 minutes. If symptoms persist, medical attention should be sought as soon as possible.

Ingestion - Seek immediate medical attention. Refer to MSDS.

Inhalation—Any warning symptoms such as headache, dizziness, nausea, shortness of breath, etc. necessitate that the victim leave the immediate site area rapidly. If the victim stops breathing, assisting personnel should don breathing protection while removing them from the area. Persons trained in CPR should immediately begin initiated, while medical attention should be obtained as soon as possible.

In case of evacuation, all vehicles/equipment should be turned off and personnel should immediately leave the work area. Personnel should move to the specified meeting area located upwind of the affected area, such as the building exterior, site field office, property boundary, or other predestinated location, where all personnel will be accounted for.

IF AN EMERGENCY ARISES, THE DESIGNATED MEETING LOCATION FOR THIS PROJECT IS IMMEDIATELY IN FRONT OF THE BUILDING ON THE SUBJECT PROPERTY.

This location is located upwind of the drilling activities, but is subject to change if prevailing weather conditions alter typical wind direction.

Personnel should not re-enter the work area following evacuation until all of the following conditions have been met:

1) The condition causing the emergency has been corrected.

2) All hazards have been assessed.

3) The HASP has been reviewed.

4) Personnel have been oriented on any changes in the HASP.

All emergencies should be promptly reported to the SSO.

- **Site Supervisors and Project Managers (SS/PM)**: Responsibility for compliance with AEI Health and Safety programs, policies, procedures and applicable laws and regulations is shared by all AEI management and supervisory personnel. This includes the need for effective oversight and supervision of project staff necessary to control the Health and Safety aspects of AEI on-site activities.

- **Site Safety Officers and Competent Persons (SSO):** The Site Safety Officer (SSO), as defined by OSHA 1926.20(b), is the individual "who is capable of identifying existing and predictable hazards in surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them." The SSO is designated on a site-by-site basis based on the site conditions, scope-of-work, and the individual's ability to recognize site-specific hazards and take appropriate corrective actions. This individual is responsible to both project management and the designated Office Health and Safety Officer (HSO) with regard to the completion of these assigned duties.

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- **Staff:** Ultimate control of Health Safety is in the hands of each individual employee. Therefore, each employee must become familiar with and comply with all Health and Safety requirements associated with their position and daily operations. Employees also have the responsibility to notify the appropriate management, SSO, and/or HSO of unsafe conditions and accidents/injuries immediately. When employees are issued respirators or any other personal protective equipment (PPE), they are responsible for ensuring that said items are used properly, cleaned as required and maintained in good working order.

- **(Sub) contractors:** (Sub) contractors should develop their own site safety plan related to their specific on-site activities. Subcontractors may use AEI's plan as an informational model. However, each Subcontractor is responsible for determining the plan's adequacy and applicability to its own activities on site. Subcontractors wishing to do so must deliver their plan in clear written form to AEI prior to the initiation of on-site activities.

6.0 PLAN ACKNOWLEDGEMENT AND APPROVALS

Approval or Acknowledgement	SSO SS/PM	HSO
Probable hazards identified on form.	X	X
Project scope accurately reflected on form.	X	
Appropriate emergency response info identified on form.	X	X
Appropriate control measures identified on form.	X	X
Hazards and control measures to be implemented on site acknowledged.	X	
Overall project scope and health and safety requirements acknowledged.	X	

7.0 SITE CONTROL MEASURES

Joe Bernarducci has been designated to coordinate access control and security on site. All work will strictly follow OSHA guidelines and HAWOPER regulations. There will be a 10-foot boundary surrounding the work area. The boundaries are identified by orange safety cones and/or "yellow" caution or red "danger" tape. The area within this boundary is considered an exclusion zone and only qualified personnel will be allowed to enter. All personnel arriving or departing the site should log in before entering the exclusion zone. All activities on site must be cleared through the Site Manager. Additional hazards on site include heavy equipment and overhead equipment. Only 40-hour HAWOPER trained personnel will operate equipment or perform any duties associated with this project. A hard hat and steel toed boots are mandatory for all personnel associated with the drilling operation. Nitrile gloves will be worn at all times and changed periodically (as required) during boring logging, soil and groundwater sample collection and decontamination to reduce the risk of dermal exposure.

A GENERAL PURPOSE FIRST AID KIT WILL BE AVAILABLE ONSITE. EMERGENCY SERVICES ARE AVAILABLE BY DIALING **911** ON THE TELEPHONE LOCATED IN THE SITE MANAGER'S VEHICLE, WHICH WILL BE ONSITE AT ALL TIMES.

8.0 DOCUMENTATION TO BE COMPLETED ON SITE

- A **Site Inspection Log** must be completed at the initiation of on-site activities and at least once per week thereafter until the completion of AEI on-site activities.

- A **Site Health and Safety Briefing** or "Tailgate Safety Meeting" must be completed at the initiation of on-site activities and at the beginning of site activities each day thereafter until the completion of AEI on-site activities. (Note: The actual briefing may be conducted off-site, in the office for example, if conditions preclude or render impractical its completion on site.) The corresponding **Site Orientation Record** should be completed at the initiation of on-site activities and once per week thereafter.

- The AEI Incident Investigation Form (OSHA Form 301) and the Subcontractor's Statement of Understanding Regarding Health and Safety Responsibilities Form are to be completed on an as needed basis.

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9.0 PPE AND SITE CONTROLS [CAL/OSHA 8 CCR 5192(D) AND (G)(5)]

Based on an evaluation of the suspected and known hazards at the site, Level D personal protective equipment (PPE) will be required for all personnel and visitors entering the controlled portion of the site. Protective equipment for each level of protection is summarized below. Both Level C and D PPE should be available on-site at all times during all phases of the project, as conditions may change and require additional PPE. Work should be conducted in Level D as long as breathing zone vapor concentrations remain at background or below 10 ppm, no breathing protection will be required. Engineering controls, such as forced air ventilation, will be used when feasible to reduce respiratory hazards. If on-site personnel find that breathing zone concentrations exceed 10 ppm, then the SSO or PM will make a determination if work shall continue in Level C PPE.

At this time, all work in the affected area should be suspended until a decision is made. Implementation of Level C PPE will be required if work continues during elevated breathing zone concentrations. Donning and use of respirators shall be performed in accordance with manufacturer specifications. Replacement of respirator cartridges shall be performed in accordance with manufacturer specifications. All respirators and cartridges shall be stored in air tight bags while not in use.

Personal Protective Equipment - Level D	**Personal Protective Equipment - Level C**
☒ Hearing Protection (as needed near loud equipment) ☒ Hardhat ☒ Outer Gloves Type: Kevlar or Leather (as needed) ☐ Inner Gloves Type: ☒ Steel Toe Boots: ☐ Coveralls Type: ☐ Outer Boots Type: ☒ Eye Protection: Safety Glasses ☐ Others:	☒ Respirator Type: Full-Face Air Purifying Respirator ☒ Cartridge Type: Organic Vapor w/ P100 ☐ Assigned Protection Factor: 50 ☐ Others:
Monitoring Equipment[1]	**Other Equipment & Gear[2]**
☒ PID Type: RAE Systems ppbRAE 3000 or MiniRAE Lite ☐ PID Lamp Energy: 10.6 eV ☐ Calibration Gas: Isobutylene 10 ppmv / 100 ppmv ☐ FID Type: ☐ LEL/O_2 Meter ☐ Others:	☒ 10-lb ABC Fire Extinguisher ☒ "Caution" and "Danger" Tape ☒ Traffic Cones or Delineators ☒ Warning Signs or Placards ☒ Decontamination Equipment ☒ First Aid Kit ☐ Others:

Notes:

1. All direct reading instruments should be calibrated onsite once per day using the appropriate calibration gas standards and in accordance with the manufacturer's instructions.

2. A 10-foot work zone / exclusion zone is required wherever available to control access to heavy equipment and/or hazardous exposure situations. Only authorized persons will be allowed to enter work zone / exclusion zone.

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10.0 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS

Chemical Name (CAS #)	Molecular Weight[1]	Vapor Pressure (mm-Hg)[1]	Ionization Potential (eV)[1]	OSHA PEL (ppmv)[1]	Cal-OSHA PEL (ppmv)	NIOSH REL (ppmv)[1]	ACGIH TLV (ppmv)
Benzene* (71-43-2)	78.1	75	9.24	TWA 1ppm STEL 5ppm	0.0004-0.0015ppm	TWA 0.1ppm STEL 1ppm	TWA 0.5ppm STEL 2.5ppm
Toluene (108-88-3)	92.1	21	8.82	TWA 200ppm C 300ppm	0.19ppm	TWA 100ppm STEL 150ppm	TWA 20ppm
Ethylbenzene (100-41-4)	104.2	5	8.40	TWA 100ppm C 200ppm	TWA 100ppm	TWA 100ppm STEL 125ppm	TWA 100ppm STEL 125ppm
o-Xylene (95-47-6)	106.2	7	8.56	TWA 100ppm	TWA 100ppm	TWA 100ppm STEL 150ppm	TWA 100ppm STEL 150ppm
m-Xylene (108-38-3)	106.2	9	8.56	TWA 100ppm	TWA 100ppm	TWA 100ppm STEL 150ppm	TWA 100ppm STEL 150ppm
p-Xylene (106-42-3)	106.2	9	8.44	TWA 100ppm	TWA 100ppm	TWA 100ppm STEL 150ppm	TWA 100ppm STEL 150ppm
Gasoline (8006-61-9)	110	38 - 300	---	---	500ppm (15-minutes)	TWA 300ppm STEL 500ppm	TWA 300ppm STEL 500ppm
Diesel (Not Applicable)	---	---	---	---	--	---	TWA 15ppm (vapor)
Waste Oil (Not Applicable)	---	---	---	---	---	---	TWA 5 mg/m3 (fumes)
Lead* (7439-92-1)	207.2	0	---	TWA 0.05 mg/m3	TWA 50 µg/m3	TWA 0.05 mg/m3	TWA 0.05 mg/m3

1) Source: National Institute for Occupational Safety and Health (NIOSH), 2004. "NIOSH Pocket Guide to Chemical Hazards", February 2004.

PEL = permissible exposure limit REL = recommended exposure limit TLV = threshold limit value

C = ceiling concentration TWA = time-weighted average STEL = short-term exposure limit

^NIOSH recommendation is to "minimize workplace exposure concentrations" (see Appendix A of the NIOSH Pocket Guide to Chemical Hazards).

*** Asterisk indicates that the chemical is known to the State of California to cause cancer per the Proposition 65 list of chemicals and the Safe Drinking Water and Toxic Enforcement Act of 1986 (*revised December 2, 2005*)**

Atmospheric vapor concentrations will be monitored via a photo-ionization detector (PID) with lamp energy appropriate for the contaminants of interest or equivalent to determine appropriate action levels. The PID will be calibrated daily by AEI personnel prior to use. Calibration will be performed in accordance with the manufacturer

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specifications and recorded in a log book kept with the instrument. Ambient breathing space measurements should be collected every 5 to 15 minutes (minimum) during drilling and other field activities.

11.0 Decontamination Procedures [Cal/OSHA 8 CCR 5192(k)]

All down-hole soil, soil vapor, and groundwater sampling equipment (e.g., split spoons, hand augers, probe rods, discrete samplers, etc.), hand tools, purge pumps, water level indicators, etc. will be decontaminated before, between, and after use with Alconox or an equivalent phosphate-free detergent solution to reduce the risk of cross-contamination.

Decontamination of all sampling equipment will consist of submerging the equipment in a detergent solution bath and scrubbing it with dedicated brushes. The equipment will then be placed in a rinse bath and agitated. A second rinse bath will be used as needed.

12.0 Employee Training [Cal/OSHA 8 CCR 5192(e)]

All personnel working onsite must have had at a minimum the required 24 or 40-hour OSHA training for HAZWOPER with current annual 8-hour refresher, which includes the use of respirators and PPE. Annual individualized respirator fit testing is required for all applicable AEI employees working at the site.

During the daily Site Health and Safety Briefing or "Tailgate Safety Meeting", at a minimum the following should be discussed:

1) Scope of work, including personnel project responsibilities.

2) A description of the levels of personal protection at the site and the steps taken to select each level.

3) Emergency procedures. Identify Emergency gathering location.

4) Nature of the known or anticipated hazards, including the location of the Material Safety Data Sheets (MSDS) for the chemicals at the site.

5) Review safe work practices and identify any prohibited or forbidden practices.

6) Permissible smoking location. (aware of city/local ordinances for smoking)

Attendance at the Site Health and Safety Briefing or "Tailgate Safety Meeting" will be mandatory and all personnel coming on-site following the initial daily meeting will be subject to their own Site Health and Safety Briefing prior to entering the site. All personnel will be required to sign the Health and Safety Briefing/Site Orientation Record to signify understanding and adherence to AEI's HASP.

13.0 Site Hazard Assessment

(☒ = Applies, or required item(s) available. ☐ = Not Applicable.)

Hazard Assessment: Physical Hazards and Related Concerns [Cal/OSHA 8 CCR 5192]

☐ **Confined Space Entry (CSE)**. Confined space entry means the *potentially hazardous* entry into any space which, by design, has limited openings for entry and exit, unfavorable natural ventilation which could contain or produce dangerous air contaminants, and which is not intended for continuous employee occupancy. Confined spaces include but are not limited to storage tanks, compartments of ships, process vessels, pits, silos, vats, degreasers, reaction vessels, boilers, ventilation and exhaust ducts, sewers, tunnels, underground utility vaults, and pipelines. Other environments which must be treated as confined spaces include *test pits, and basements, garages, warehouses and other indoor areas where mechanical (i.e., diesel, propane, gasoline or similarly powered) equipment must be operated for drilling or test pitting purposes*. Confined space entry should be allowed only when absolutely necessary, and then only when all requirements of AEI's Confined Space Entry Control Program, and/or CSE Program Supplement for Indoor Drilling (and Similar Operations) and/or Trench and Excavation

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Safety and Health Guide (and CSE Program Supplement), contained in the Health and Safety Program Manual, have been satisfied.

☒ **Construction Hazards, Drill Rigs, Backhoes, etc.** The use of drill rigs, backhoes and other heavy equipment represent potentially serious construction hazards. Whenever such equipment is used, personnel in the vicinity should be limited to those who must be there to complete their assigned duties. All personnel must avoid standing within the turning radius of the equipment or below any suspended load. Job sites must be kept as clean, orderly and sanitary as possible. When water is used, care must be taken to avoid creating muddy or slippery conditions.

Never turn your back to operating machinery. Never wear loose clothing jewelry, hair or other personal items around rotating equipment or other equipment that could may catch or ensnare loose clothing, jewelry, hair or other personal items. Always stand far enough away from operating machinery to prevent accident contact which may result from mechanical or human error.

Additionally, the following basic personal protective measures must be observed: **Hardhats** must be worn to protect against bumps or falling objects. **Safety glasses** must be worn when necessary to protect against chemicals or other hazards. **Steel-toed safety shoes or boots** are also required. The shoes must be chemically resistant or protected with appropriately selected boots/coverings where necessary. Unless otherwise specified, normal **work clothes** must be worn. Gloves are also required whenever necessary to protect against hazardous contact, cuts, abrasions or other possible skin hazards.

☐ **Drums and Buried Drums**. As a precautionary measure, personnel must assume that *labeled* and *unlabeled drums* encountered during field activities contain hazardous materials until their contents can be confirmed and characterized. Personnel should recognize that drums are frequently mislabeled, particularly drums that are reused.

Only trained and authorized personnel should be allowed to perform drum handling. Prior to any handling, drums must be visually inspected to gain as much information as possible about their contents. Trained field personnel must look for signs of deterioration such as corrosion, rust or leaks, and for signs that the drum is under pressure such as swelling or bulging. Drum-type and drumhead configuration may provide the observer with information about the type of material inside, (i.e., a removable lid is designed to contain solids, while the presence of a bung indicates liquid storage).

Although not usually anticipated, buried drums can be encountered when digging test pits. Therefore, the following provisions must be observed if drums are encountered. Machine excavation (i.e., backhoe) should cease immediately anytime a drum is encountered. The appropriate management personnel should be notified immediately. All AEI personnel should be instructed to immediately leave the work area.

☒ **Fire and Explosion**. The possibility of flammable materials being encountered during field activities must be recognized and the appropriate steps necessary to minimize fire and explosion must be observed. This includes situations where *excessive organic vapors or free product* are encountered. When this occurs, monitoring with a combustible gas indicator (CGI), is required.

Excessive organic vapors, for the purposes of initiating the use of a CGI, are defined as sustained readings (i.e., continuous for at least five minutes) at or above 250 units or as an instantaneous reading at or above 1,000 units on the PID or FID, in close proximity (within 1 foot or less) of the borehole, test pit, sampling location or other area of potential exposure.

In situations where hexane, methanol are needed for field activities, the following precautions must be observed: keep flammable and combustible materials away from heat, sparks and open flames; do not smoke around flammable or combustible materials; and keep all flammable and combustible liquids in approved and properly labeled safety containers.

☐ **Landfill/Methane Hazards**. Fire and explosion should be regarded as one of, if not the, most significant potential hazards associated with drilling operations and other intrusive work conducted at a landfill. Accordingly, all sources of ignition must be fully controlled. Failure to control ignition sources could result in fire, explosion and pose a serious threat to life and health. Control methods may include forced ventilation and/or filling the borehole with enough water to inhibit the release of methane and other gases which would otherwise escape through the top of the borehole.

If forced (mechanical) ventilation is to be used, all such equipment must be approved for Class I, Division I hazardous atmospheres. The blower must be positioned to blow across the top of the borehole so that gases and vapors may be diluted as they exit the borehole. Do not attempt to suck out the gases or vapors. Blowers, all other mechanical equipment, and tools which could release sparks or static electricity must be bonded and grounded.

Regardless of the gas/vapor control method used, the atmosphere surrounding the borehole must be frequently monitored using direct reading instruments approved for Class I, Division I hazardous atmospheres. Monitoring should be conducted within 1 to 2 feet of the top of the borehole. Do not insert sampling devices into the borehole. Never approach the auger or drill shaft while it is in operation.

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Regardless of actual instrument readings, if all sources of ignition can not be controlled, operations should be immediately shut down if readings equal or exceed 10% of LEL and the area evacuated until ignition sources have been eliminated. Ignition sources include, but are not limited to: smoking, static electricity, lighting, open flames, spontaneously ignitable substances, frictional heat or sparks, hot surfaces, radiant heat, electrical sparks, stray currents, cutting and welding, and ovens, furnaces and heating equipment.

☒ **Heat and Cold Stress**. Overexposure to temperature extremes can represent significant risks to personnel if simple precautions are not observed. Typical control measures designed to prevent **heat stress** include dressing properly, drinking plenty of the right fluids, and establishing an appropriate work/break regimen. Typical control measures designed to prevent **cold stress** also include dressing properly, and establishing an appropriate work/break regimen.

☒ **Moving Vehicles, Traffic Safety**. All vehicular traffic routes which could impact worker safety must be identified and communicated. Whenever necessary, barriers or other methods must be established to prevent injury from moving vehicles. This is particularly important when field activities are conducted in parking lots, driveways, ramps or roadways

☒ **Noise**. Noise exposure can be affected by many factors including the number and types of noise sources (continuous vs. intermittent or impact), and the proximity to noise intensifying structures such walls or building which cause noise to bounce back or echo. The single most important factor effecting total noise exposure is distance from the source. The closer one is to the source the louder the noise. The operation of a drill rig, backhoe or other mechanical equipment can be sources of significant noise exposure. In order to reduce the exposure to this noise, personnel working in areas of excessive noise must use hearing protectors (ear plugs or ear muffs).

Rule-of-Thumb: Wherever actual data from sound level meters or noise dosimeters is unavailable and it is necessary to raise one's voice above a normal conversational level to communicate with others within 3 to 5 feet away, hearing protection should be worn.

☐ **Overhead Utilities and Hazards**. Overhead hazards can include low hanging structures which can cause injury due to bumping into them. Other overhead hazards include *falling objects, suspended loads, swinging loads and rotating equipment*. Hardhats must be worn by personnel in areas were these types of physical hazards may be encountered. Barriers or other methods must also be used to exclude personnel from these areas were appropriate. Electrical wires are another significant overhead hazard. According to OSHA (29 CFR 1926.550), *the minimum clearance which must be maintained from overhead electrical wires is 10 feet* from an electrical source rated $\leq$ 50 kV. Sources rated > 50 kV require a minimum clearance of 10 feet plus 0.4 inch per kV above 50 kV.

☒ **Pedestrian Traffic**. The uncontrolled presence of pedestrians on a drilling or excavation site can be hazardous to both pedestrians and site workers. The site should be surveyed to determine if, when and where pedestrian may gain access. This includes walkways, parking lots, gates and doorways. Barriers or caution tape should be used to exclude all pedestrian traffic. *Exclusion of pedestrian traffic is intended to prevent injury to the pedestrians and eliminate distractions which could cause injury to AEI personnel or other site workers.*

☐ **Test Pit and/or other Excavations**. All provisions of the OSHA trenching and excavation standard (29 CFR 1926.650-652) must be followed during excavation activities. This includes *all test pit excavation and sampling activities*. The estimated location of utility installations, such as sewer, telephone, electric, water lines and other underground installations that may reasonably be expected to be encountered during excavation work, must be determined prior to opening an excavation.

A ladder or similar means of egress must be located in excavations greater than 4 feet in depth so as to require no more than 25 feet of lateral travel for employees. *No person should be allowed to enter an excavation greater than 5 feet in depth unless the walls of the excavation have been protected using an approved shield (trench box), an approved shoring system, or the walls have been sloped back to an angle of 34 degrees, and the excavation is free of accumulated water*. If personnel enter an excavation, the spoils pile and all materials must be placed at least 2 feet from the edge of the excavation to prevent the materials from rolling into the excavation. *Personnel must remain at least 2 feet away from the edge of the excavation at all times*. Upon completion of a test pit exploration, the excavation should be backfilled and graded. Excavation should never be left open unless absolutely necessary, and then only with proper barricading and controls to prevent accidental injury.

☒ **Underground Utilities and Hazards**. The identification of underground storage tanks (USTs), pipes, utilities and other underground hazards is critically important prior to all drilling, excavating and other intrusive activities. In accordance with OSHA 29 CFR 1926.650, *the estimated location of utility installations, such as sewer, telephone, electric, water lines and other underground installations that may reasonably be expected to be encountered* during excavation work, *must be determined* prior to opening an excavation. The same requirements apply to drilling operations and the use of soil-gas probes. Where public utilities may exist, the utility agencies or operators must be contacted directly or through a utility-sponsored service such as *Dig-Safe*. Where other underground hazards may exist, reasonable attempts must be made to identify their locations as well. *Failure to identify underground hazards can lead to fire, explosion, flooding, electrocution or other life threatening accidents.*

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☐ **Water Hazards and Boat Sampling**. The collection of water or sediment samples on or immediately adjacent to a body of water can pose significant hazards. In addition to the slip, trip and fall hazards associated with wet surfaces, the potential for drowning accidents must be recognized. These hazards can be intensified by the use of some PPE, particularly if respiratory protection is worn.

HAZARD ASSESSMENT: CHEMICAL HAZARDS AND RELATED CONCERNS [CAL/OSHA 8 CCR 5192]

☒ **Chemicals Subject to OSHA Hazard Communication**. All chemicals used in field activities such as solvents, reagents, decontamination solutions, or any other hazardous chemical must be accompanied by the required labels, Material Safety Data Sheets (MSDS), and employee training documentation (OSHA 1910.1200). For additional information refer to **AEI's Hazard Communication Program** contained in the Health and Safety Program manual.

☐ **Asbestos**. Disturbance of building materials in buildings built prior to 1980 must be evaluated for the presence of asbestos-containing materials by an accredited AEI inspector. The inspection and/or removal of asbestos-based or asbestos-containing building materials are regulated by some major cities and several states. Regulations require individuals who conduct building inspections for the presence of asbestos or collect samples of asbestos containing materials to be licensed or certified. AEI employees must determine the applicability of these regulations prior to any activities involving asbestos. The primary health effects of asbestos exposure include asbestosis (a scarring of the lungs), lung cancer, mesothelioma and other forms of cancer. Exposure to asbestos is regulated by a comprehensive OSHA standard (29 CFR 1910.1001).

☒ **BTEX Compounds**. Exposure to the vapors of **benzene, ethyl benzene, toluene** and **xylenes** above their respective permissible exposure limits (PELs), as defined by the Occupational Safety and Health Administration (OSHA), may produce irritation of the mucous membranes of the upper respiratory tract, nose and mouth. Overexposure may also result in the depression of the central nervous system. Symptoms of such exposure include drowsiness, headache, fatigue and drunken-like behavior. Benzene has been determined to be carcinogenic, targeting blood-forming organs and bone marrow. The odor threshold for benzene is higher than the PEL and employees may be overexposed to benzene without sensing its presence, therefore, detector tubes must be utilized to evaluate airborne concentrations.

The vapor pressures of these compounds are high enough to generate significant quantities of airborne vapor. On sites where high concentrations of these compounds are present, a potential inhalation hazard to the field team during subsurface investigations can result. However, if the site is open and the anticipated quantities of BTEX contamination are small (i.e., part per million concentrations in the soil or groundwater), overexposure potential will also be small.

☐ **Carbon Monoxide**. Carbon monoxide (CO) is a gas usually formed by the incomplete combustion of various fuels. Welding, cutting and the operation internal combustion engines can produce significant quantities of CO. Amounts of CO can quickly rise to hazardous levels in poorly ventilated areas. CO is odorless and colorless. It cannot be detected without appropriate monitoring equipment. LEL/O_2 meters and H-Nu/PIDs are <u>not</u> appropriate for the detection of CO. A direct reading instrument, calibrated for CO, should be used. Common symptoms of overexposure include pounding of the heart, a dull headache, flashes before the eyes, dizziness, ringing in the ears and nausea. These symptoms must not be relied upon in place of an appropriately calibrated monitoring instrument. Exposures should not exceed 15 ppm. Exposures above 15 ppm require the use of supplied air respirators. Air purifying respirators are not approved for protection against CO.

☐ **Chlorinated Organic Compounds**. Exposure to the vapors of many chlorinated organic compounds such as vinyl chloride, tetrachloroethene, 1,1,1-trichloroethane, trichloroethene and 1,2-dichloroethene above their respective permissible exposure limits (PELs) will result in similar symptoms. The actual PELs as set by the Occupational Safety and Health Administration (OSHA) vary depending on the specific compound.

Overexposure to the vapor of these compounds can cause irritation of the eyes, nose and throat. The liquid, if splashed in the eyes, may cause burning irritation and damage. Repeated or prolonged skin contact with the liquid may cause dermatitis. Acute overexposure to chlorinated hydrocarbons depresses the central nervous system exhibiting such symptoms as drowsiness, dizziness, headache, blurred vision, in-coordination, mental confusion, flushed skin, tremors, nausea, vomiting, fatigue and cardiac arrhythmia. Alcohol may make symptoms of overexposure worse. If alcohol has been consumed, the overexposed worker may become flushed. Some of these compounds are considered to be potential human carcinogens. Exposure to *vinyl chloride* is regulated by a comprehensive OSHA standard (29 CFR 1910.1017).

☐ **Chromium Compounds**. Hexavalent chromium compounds, upon contact with the skin can cause ulceration and possibly an allergic reaction. Inhalation of hexavalent chromium dusts is irritating and corrosive to the mucous membranes of the upper respiratory tract. Chrome ulcers and chrome dermatitis are common occupational health effects from prolonged and repeated exposure to hexavalent chromium compounds. Acute exposures to hexavalent chromium dusts may cause coughing or wheezing, pain on deep inspiration, tearing, inflammation of the conjunctiva, nasal itch and soreness or ulceration of the nasal septum. Certain forms of hexavalent chromium have been found to cause increased respiratory cancer among workers.

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Trivalent chromium compounds (chromic oxide) are generally considered to be of lower toxicity, although dermatitis may occur as a result of direct handling.

☐ **Cutting Oils**. Cutting oils may produce a condition known as "cutting oil acne," a specific dermatosis associated with prolonged and repeated direct contact. Other problems associated with continued occupational exposure to cutting fluids include allergic skin sensitization, folliculitis and squamous cell carcinoma, due to the presence of nitrosamines.

☒ **Fuel Oil**. See Petroleum Hydrocarbons (PHC)

☒ **Gasoline**. See BTEX Compounds, and Tetraethyl and Tetramethyl Lead.

☐ **Herbicides**. Some of the commonly used herbicides present a low toxicity to man. However, other herbicides pose more serious problems. Organophosphorus and carbamate herbicides, if inhaled or ingested can interfere with the functioning of the central nervous system. Many herbicides can be readily absorbed through the skin to cause systemic effects. In addition to being absorbed through the skin, many herbicides, upon contact with the skin, may cause discoloring, skin irritation or dermatitis. Contaminants of commercial preparations of chlorinated phenoxy herbicides such as 2,4,5-T include 2,3,7,8-tetrachlorodibenzo-p-dioxin (dioxin). Dioxin is a known mutagen and a suspect carcinogen.

☐ **Hydrogen Sulfide (H_2S)**. Hydrogen sulfide, characterized by its "rotten egg" odor, is produced by the decomposition of sulfur-containing organic matter. It is found in many of the same areas where methane is found such as landfills, swamps, sewers and sewer treatment facilities. An important characteristic of H_2S is its ability to cause a decrease in ones ability to detect its presence by smell. So although one may no longer be able to smell it, it could still be present in harmful concentrations.

The symptoms of over exposure include headache, dizziness, staggering and nausea. Severe over exposure can cause respiratory failure, coma, and death. The current OSHA PEL is 10 ppm as an 8-hour TWA. The ACGIH TLV is the same.

☐ **Lead Paint**. The inspection and/or removal, sanding, grinding, etc. of lead-based or lead-containing paints is now strictly regulated by OSHA. States may require individuals who conduct lead paint inspections or collect samples of lead paint to be licensed or certified. AEI employees must determine the applicability of these regulations prior to any activities involving lead paint. For additional health information, see Metal Compounds.

☐ **Metal Compounds**. Overexposure to metal compounds has been associated with a variety of local and systemic health hazards, both acute and chronic in nature, with chronic effects being most significant. Direct contact with the dusts of some metal compounds can result in contact or allergic dermatitis. Repeated contact with arsenic compounds may result in hyperpigmentation. Cases of skin cancer due to the trivalent inorganic arsenic compounds have been documented. The moist mucous membranes, particularly the conjunctivae, are most sensitive to the irritating effects of arsenic. Copper particles embedded in the eye result in a pronounced foreign body reaction with a characteristic discoloration of eye tissue.

Inhalation of copper and zinc dusts and fumes above their established PELs may result in flu-like symptoms known as "metal fume fever." Prolonged and repeated inhalation of the dusts of inorganic arsenic compounds above the established PEL may result in weakness, loss of appetite, a sense of heaviness in the stomach and vomiting. Respiratory problems such as cough, hoarseness and chest pain usually precede the gastrointestinal problems. Chronic overexposure to the dusts of inorganic arsenic may result in lung cancer.

The early symptoms of lead poisoning are usually nonspecific. Symptoms include sleep disturbances, decreased physical fitness, headache, decreased appetite and abdominal pains. Chronic overexposure may result in severe colic and severe abdominal cramping. The central nervous system (CNS) may also be adversely effected when lead is either inhaled or ingested in large quantities for extended periods of time. The peripheral nerve is usually affected. "Wrist drop" is peculiar to such CNS damage. Lead has also been characterized as a male and female reproductive toxin as well as a fetotoxin. Exposure to lead (Pb) is regulated by a comprehensive OSHA standard (29 CFR 1910.1025).

☐ **Methane**. Methane is an odorless, colorless, tasteless, gas that cannot be detected by an H-Nu or similar PID. When present in high concentrations in air, methane acts primarily as a simple asphyxiant without other significant physiologic effects. Simple asphyxiants dilute or displace oxygen below that required to maintain blood levels sufficient for normal tissue respiration.

Methane has a lower explosive limit (LEL) of 5 percent and an upper explosive limit (UEL) of 15 percent. The LEL of a substance is the minimum concentration of gas or vapor in air below which the substance will not burn when exposed to a source of ignition. This concentration is expressed in percent by volume. Below this concentration, the mixture is "too lean" to burn or explode. The UEL of a substance is the maximum concentration of gas or vapor in air above which the substance will not burn when exposed to a source of ignition. Above this concentration, the mixture is "too rich" to burn or explode. The explosive range is the range of concentrations between the LEL and UEL where the gas-air mixture will support combustion. For methane this range is 5 to 15 percent.

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☒ **MTBE**. Methyl tertiary butyl ether (MTBE) is a volatile, flammable and colorless liquid that is relatively soluble in water. MTBE has a typical odor reminiscent of diethyl ether, leading to unpleasant taste and odor in water. MTBE is almost exclusively used as a fuel component in motor gasoline. The EPA has concluded that available data are not adequate to estimate potential health risks of MTBE at low exposure levels in drinking water, but that the data support the conclusion that MTBE is a potential human carcinogen at high doses. The ACGIH has recommended an exposure limit of 40 parts of MTBE per million parts of air (40 ppm) for an 8-hour workday, 40-hour workweek.

☐ **Pesticides**. Pesticides can be grouped into three major categories: organophosphates, carbonate and chlorinated hydrocarbons. The actual PELs as set by the OSHA, vary depending on the specific compound. Organophosphates, including Diazinon, Malathion and Parathion, are quickly absorbed into the body by inhalation, ingestion and direct skin contact. The symptoms of exposure include headache, fatigue, dizziness, blurred vision, sweating, cramps, nausea and vomiting. More severe symptoms can include tightness of the chest, muscle spasms, seizures and unconsciousness. It should also be noted that the Malathion and Parathion PELs both carry the *Skin* notation, indicating that these compounds adversely effect or penetrate the skin. OSHA specifies that skin exposure to substances carrying this designation be prevent or reduced through the use of the appropriate PPE.

Chlorinated Hydrocarbons such as Chlordane, DDT and Heptachlor can cause dizziness, nausea, abdominal pain and vomiting. The more severe symptoms include epileptic like seizures, rapid heart beat, coma and death. These compounds also carry the OSHA *Skin* notation. The symptoms of exposure to carbamate such Carbaryl (also known as Sevin) are similar to those described for the organophosphates. However, the OSHA exposure limit for Carbaryl *does not* carry the Skin notation.

☒ **Petroleum Hydrocarbons (PHCs)**. Petroleum Hydrocarbons such as fuel oil are generally considered to be of low toxicity. Recommended airborne exposure limits have not been established for these vapors. However, inhalation of low concentrations of the vapor may cause mucous membrane irritation. Inhalation of high concentrations of the vapor may cause pulmonary edema. Repeated or prolonged direct skin contact with the oil may produce skin irritation as a result of defatting. Protective measures, such as the wearing of chemically resistant gloves, to minimize contact are addressed elsewhere in this plan. Because of the relatively low vapor pressures associated with PHCs, an inhalation hazard in the outdoor environment is not likely.

☐ **Polychlorinated Biphenyls (PCBs)**. Prolonged skin contact with PCBs may cause the formation of comedones, sebaceous cysts, and/or pustules (a condition known as chloracne). PCBs are considered to be suspect carcinogens and may also cause reproductive damage.

The OSHA permissible exposure limits (PELs) for PCBs are as follows:

Compound	*PEL (8-hour time-weighted average)*
Chlorodiphenyl (42% Chlorine)	1 mg/m^3 - Skin
Chlorodiphenyl (54% Chlorine)	0.5 mg/m^3 - Skin

It should be noted that PCBs have extremely low vapor pressures (0.001 mm Hg @ 42% Chlorine and 0.00008 mm Hg @ 54% Chlorine). This makes it unlikely that any significant vapor concentration (i.e., exposures above the OSHA PEL) will be created in the ambient environment. This minimizes the potential for any health hazards to arise due to inhalation unless the source is heated or generates an airborne mist. If generated, vapor or mists above the PEL may cause irritation of the eyes, nose, and throat. The exposure limits noted above are considered low enough to prevent systemic effects but it is not known if these levels will prevent local effects. It should also be noted that both PELs carry the *Skin* notation, indicating that these compounds adversely effect or penetrate the skin. OSHA specifies that skin exposure to substances carrying this designation be prevented or reduced through the use of the appropriate personal protective equipment (PPE).

☒ **Polycyclic Aromatic Hydrocarbons (PAHs)**. Due to the relatively low vapor pressure of PAH compounds, vapor hazards at ambient temperatures are not expected to occur. However, if site conditions are dry, the generation of contaminated dusts may pose a potential inhalation hazard. Therefore dust levels should be controlled with wetting if necessary. Repeated contact with certain PAH compounds has been associated with the development of skin cancer. Contact of PAH compounds with the skin may cause photosensitization of the skin, producing skin burns after subsequent exposure to ultraviolet radiation. Protective measures, such as the wearing of chemically resistant gloves, are appropriate when handling PAH contaminated materials.

☐ **Tetraethyl and Tetramethyl Lead**. Both compounds are used as anti-knock ingredients in gasoline. The inhalation of tetraethyl lead dusts may result in irritation of the respiratory tract. This dust, when in contact with moist skin or eye membranes, may cause itching, burning and transient redness.

The direct absorption of a sufficient quantity of tetraethyl lead, whether briefly at a high rate, or for prolonged periods at a low rate, may cause acute intoxication of the central nervous system. Mild degrees of intoxication may cause headache, anxiety, insomnia, nervous excitation and minor gastrointestinal disturbances.

☒ **Volatile Organic Compounds (VOCs)**. See BTEX compounds and Chlorinated Organic Compounds.

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☒ **Waste Oil**. See Petroleum Hydrocarbons (PHCs) and Cutting Oil.

HAZARD ASSESSMENT: BIOLOGICAL HAZARDS AND RELATED CONCERNS [CAL/OSHA 8 CCR 5192]

☒ **Insects**. Insects represent significant sources (vectors) of disease transmission. Therefore, precautions to avoid or minimize potential contact should be considered prior to all field activities. Disease or harmful effects can be transmitted through bites, stings or through direct contact with insects or through ingestion of foods contaminated by certain insects. Examples of disease transmitted by insect bites include encephalitis and malaria from contaminated mosquitoes, lyme disease and spotted fever from contaminated ticks. Stinging insects, such as bees and wasps, are prevalent throughout the country, particularly during the warmer months. The stings of these insects can be painful, and cause serious allergic reactions to some individuals.

☐ **Lyme Disease**. Lyme disease is an infection caused by the bite of certain ticks, primarily deer, dog and wood ticks. The symptoms of Lyme disease usually start out as a skin rash then progress to more serious symptoms. The more serious symptoms can include lesions, headaches, arthritis and permanent damage to the neurological system. If detected early the disease can be treated successfully with antibiotics. The following steps are recommended for prevention of lyme disease and other diseases transmitted by ticks: a) Beware of tall grass, bushes, woods and other areas where ticks may live; b) Wear good shoes, long pants tucked into socks, a shirt with a snug collar, good cuffs around the wrists and tails tucked into the pants. Insect/tick repellents may also be useful; c) Carefully monitor for the presence of ticks. Carefully inspect clothes and skin when undressing. If a tick is attached to the skin it should be removed with fine tipped tweezers. You should be alert for early symptoms over the next month or so. If you suspect that you have been bitten by a tick you should contact a physician for medical advice.

☐ **Medical Wastes and Bloodborne Diseases**. Any field activity where exposure to medical wastes or other sources of bloodborne pathogens can be reasonably anticipated must be conducted in accordance with the OSHA (29 CFR 1910.1030) *Bloodborne Pathogens* standard. According to the OSHA definition, Bloodborne Pathogens means pathogenic microorganisms that are present in human blood and can cause disease in humans. These pathogens include but are not limited to *hepatitis B virus (HBV) and human immunodeficiency virus (HIV)*. Wherever there is a potential for employee skin, eye, mucous membrane, or parenteral (skin or membrane piercing) contact with blood or other potentially infectious sources, *employers must develop a Written Exposure Control Plan*.

☐ **Poisonous Plants**. The possible presence of poisonous plants should be anticipated for field activities in wooded or heavily vegetated areas. *Poison ivy* is a climbing plant with alternate green to red leaves (arranged in threes) and white berries. *Poison oak* is similar to poison ivy and *sumac* but its leaves are oak-like in form. The leaves of these poisonous plants produce an irritating oil which causes an intensely itching skin rash and characteristic blister-like lesions. Contact with these plants should be avoided.

☒ **Rats, Snakes and Other Vermin**. Certain animals, particularly those that feed on garbage and other wastes, can represent significant sources (vectors) of disease transmission. Therefore, precautions to avoid or minimize potential contact with (biting) animals (such as rats) or animal waste (such as pigeon droppings) should be considered prior to all field activities. Rats, snakes and other wild animals can inflict painful bites. The bites can poisonous (as in the case of some snakes), or disease causing (as in the case of rabid animals). Avoidance of these animals is the best protection.

☐ **Waste Water and Sewage**. Sewage and waste water contaminated with raw, untreated sewage can represent significant sources of bacterial, viral or fungal contamination. Adverse effects, due to contact, can range from mild skin reactions or rashes to life threatening diseases. Diseases are easily transmitted by accidental ingestion or through skin contact, particularly if the skin is broken. Avoidance of direct contact and good personal hygiene are the best protection from these hazards.

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Cal/OSHA Forms
Injury and Illness Incident Report

This *Injury and Illness Incident Report* (Form 301) is one of the first forms you must fill out when a recordable work related injury 929 CFR 1904.7(b)(1) - death, days away from work, restricted work or transfer to another job, medical treatment beyond first aid, loss of conscious, injury or illness diagnosed by a physician or other licensed health professional0 has occurred. Together with accompanying *Annual Summary* (Form 300 and 300A) these forms help the employer and Cal/OSHA develop a picture of the extent and severity of work-related incidents.

Within 7 calendar days after you receive information that a recordable work-related injury or illness has occurred, you must fill out this form or an equivalent. Some state workers' compensation, insurance, or other reports may be acceptable substitutes. To be considered an equivalent form, any substitute must contain all the instructions and information asked for on this form.

According to CCR Title 8 Section 14300.33 Cal/OSHA's recordkeeping rule, you must keep this form on file for 5 years following the year to which it pertains.

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes. See CCR Title 8 14300.29(b)(6) to (10).

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Appendix A: CAL/OSHA Form 301

Information about the employee	
Full name:	
Address:	
Date of birth:	
Date hired:	
	Male: ☐ Female: ☐

Information about the physician or other health care professional	
Name of physician or other health care professional	
If treatment was given away from the worksite, where was it given?	
Facility:	
Address:	
Was employee treated in an emergency room?	Yes: ☐ No: ☐
Was employee hospitalized overnight as an in-patient?	Yes: ☐ No: ☐

Information about the case		
Case number from the log *(Transfer the case number from the Log after you record the case.)*		
Date of injury or illness:		
Time employee began work:	AM:	PM:
Time of event:	AM:	PM:
Check if time cannot be determined:		

What was the employee doing just before the incident occurred?

Describe the activity, as well as the tools, equipment, or material the employee was using. Be specific.

Examples: "climbing a ladder while carrying roofing materials"; "spraying chlorine from hand sprayer"; "daily computer key-entry."

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What happened? **Tell us how the injury occurred.** *Examples:* "When ladder slipped on wet floor, worker fell 20 feet"; "Worker was sprayed with chlorine when gasket broke during replacement"; "Worker developed soreness in wrist over time."
What was the injury or illness? **Tell us the part of the body that was affected and how it was affected; be more specific than "hurt," "pain," or sore."** *Examples:* "strained back"; "chemical burn, hand"; "carpal tunnel syndrome."
What object or substance directly harmed the employee? *Examples:* "concrete floor"; "chlorine"; "radial arm saw."
If the employee died, when did death occur? Date of death:

Completed By (Full Name):	
Title:	
Phone:	
Date:	

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Appendix B: AEI Incident Evaluation Form

Discuss the cause of the incident and future preventative measures	
Why did the accident occur (Root cause)?	
How can we avoid this from happening again (Solution)?	
Date of Implementation:	
Approved By: **(Name and Title)**	

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Appendix C: Site Inspection Log

PROJECT NAME:	LOCATION:
PROJECT NUMBER:	DATE:
PROJECT MANAGER:	COMPLETED BY:
SITE DESCRIPTION AND NATURE OF WORK:	

HAZARD COMMUNICATION
[ ] Chemical hazards identified
[ ] All containers properly labeled
[ ] MSDS/workplace notebook on site
[ ] Site safety briefing completed and documented

ACCIDENTS/EMERGENCY INFO
[ ] First aid personnel identified
[ ] Hospital location identified- test drive?
[ ] Police/Fire/Ambulance phone numbers available
[ ] Incident investigation forms available
[ ] Fire extinguisher present

SANITATION
[ ] Washing facilities available
[ ] Toilet facilities available
[ ] Approved trash receptacle available
[ ] Water/refreshments available

STORAGE
[ ] Tools/Drill tooling/supplies safely stacked to prevent rolling or collapse
[ ] Work areas and passage ways kept clear

HOUSEKEEPING
[ ] Work areas clean and orderly
[ ] Storage areas clean and orderly
[ ] Combustible scrap/debris removed regularly
[ ] Waste containers of flammable or toxic materials covered

OVERHEAD HAZARDS
[ ] 15^{ft} minimum clearance maintained
[ ] All sources of falling objects/swinging loads/ rotating equipment identified
[ ] Barriers or other methods in place to prevent injury due to overhead hazards

POSTING
[ ] Emergency phone/contact info posted
[ ] OSHA poster displayed

UNDERGROUND HAZARDS
[ ] All underground hazards identified and communicated to workers on site
[ ] Utility/USA clearance confirmed
[ ] Clearance dates: _____
[ ] Clearance ID#: _____

EXCAVATIONS and TRENCHES
[ ] All personnel and storage at least 2^{ft} from top edge of excavation
[ ] Ladder in place
[ ] Guarding/barriers in place

VEHICULAR TRAFFIC
[ ] All vehicular traffic routes which could impact worker safety identified and communicated
[ ] Barriers or other methods established to prevent injury from moving vehicles

PEDESTRIAN TRAFFIC/SITE CONTROL
[ ] All walkways which could be impacted by site activities identified and communicated
[ ] Barriers or other methods established to prevent pedestrian injury from site activities

ENVIRONMENTAL HAZARDS
[ ] Poisonous plants, stinging or biting insects, vermin, sewage, etc. identified and communicated

COMMENTS/OTHER HAZARDS_____
_____
_____
_____
_____
_____
_____
_____

√ = OK *NA = Not Applicable*

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Appendix D: Health and Safety Briefing / Site Orientation Record

This is to verify that I, the undersigned, have been provided with a site (orientation) briefing regarding the safety and health considerations at 112 W 25th Street New York, NY 10001. I agree to abide by my employer's site-specific safety and health plan and other safety or health requirements applicable to the site.

NAME (PRINT)	SIGNATURE	COMPANY	DATE

Site (orientation) Briefing Conducted By: _____ Date: _____

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Appendix E: Subcontractor's Statement of Understanding Regarding Health and Safety Responsibilities

Project Name: LAM GEN Redevelopment Project Number: 343443

In accordance with generally accepted practices, each Subcontractor engaged by AEI is responsible for all matters relating to the health and safety of its personnel and equipment in performance of the work. This includes recognition of the potential health and safety hazards associated with the work. AEI will establish a health and safety plan or program (HASP) applicable to its own employees and its own activities on site. AEI will make its HASP available to each subcontractor for informational purposes only. Each subcontractor must establish a HASP applicable to its own employees and its own activities on site.

Subcontractors who use AEI's HASP as a model for their own HASP are responsible for determining its adequacy and applicability to its own employees and its own activities on site. Subcontractors must establish their own HASP applicable to subcontractor employees and/or activities, even if modeled after AEI's HASP and deliver this HASP in clear written form to AEI prior to the initiation of on-site activities. Submittal of the subcontractor's HASP to AEI will be for informational purposes only. Review of the subcontractor's HASP by AEI shall in no way constitute approval or endorsement by AEI of the subcontractor's HASP. It is understood that protective measures specified in the Subcontractor's HASP are minimum requirements for the work.

Subcontractor warrants that all its employees that are permitted to engage in operations that could expose them to hazardous wastes, hazardous substances, or safety or health hazards have obtained the necessary health and safety training and medical surveillance as specified in the applicable provisions of OSHA

1926.59 Hazard Communication;
1926.52 Occupational Noise Exposure;
1926.103 Respiratory Protection;
1926.65 Hazardous Waste Operations and Emergency Response;

as well as any other applicable portion of the OSHA General Industry (29 CFR 1910) and Construction Industry (29 CFR 1926) Standards. Subcontractor shall provide AEI with evidence of the necessary certification before beginning hazardous waste work subject to OSHA 1926.65 on the project site.

Should AEI become aware of subcontractor activities on site which appear to violate OSHA or other applicable safety regulations or otherwise pose an immediate and serious threat to the safety of AEI employees, subcontractor employees, other individuals on site, or members of the public, AEI may notify the subcontractor verbally and/or in writing regarding the need for corrective action. Failure to comply with either general safety practices or health and safety practices as described above may be grounds for breach and prompt contract termination. The safety requirements of the work as described above apply without regard to time, place, or presence of an AEI representative.

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THE PRESENCE OF AEI PERSONNEL ON THE SITE CARRYING OUT PROFESSIONAL ACTIVITIES DOES NOT MEAN THAT AEI UNDERTAKES TO OVERSEE THE SUBCONTRACTOR'S COMPLIANCE RESPONSIBILITIES.

The undersigned agrees that he is authorized to execute this statement of understanding on behalf of their firm:

Firm: _____

Name (Print): _____ Title: _____

Signature: _____ Date: _____

MISCELLANEOUS SITE CONTROL PROCEDURES

PLAN SIGN-OFF

(Please sign and date. See page 5 for Plan Acknowledgement and Approvals scope.)

SSO/CP:_____ SS/PM:_____

H&S Representative:_____

Attach additional information as required

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ATTACHMENT 3 - Example RAR Certification

I, [name], am currently a registered professional engineer licensed by the State of New York. I performed professional engineering services and had primary direct responsibility for implementation of the remedial program for the [site name (address)] site, site number [VCP site number]. I certify to the following:

- I have reviewed this document, to which my signature and seal are affixed.
- Engineering Controls implemented during this remedial action were designed by me or a person under my direct supervision and achieve the goals established in the Remedial Action Work Plan for this site.
- The Engineering Controls constructed during this remedial action were professionally observed by me or by a person under my direct supervision and (1) are consistent with the Engineering Control design established in the Remedial action Work Plan and (2) are accurately reflected in the text and drawings for as-built design reported in this Remedial Action Report.
- The OER-approved Remedial Action Work Plan dated [date] and Stipulations in a letter dated [date] were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

Name

PE License Number

Signature

Date

PE Stamp

I, [name], am a Qualified Environmental Professional. I had primary direct responsibility for implementation of the remedial program for the [site name (address)] site, site number [VCP site number]. I certify to the following:

- The OER-approved Remedial Action Work Plan dated [date] and Stipulations in a letter dated [date, if applicable] were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

QEP Name

QEP Signature

Date

ATTACHMENT 4 - CITIZEN PARTICIPATION PLAN

The NYC Office of Environmental Remediation and LAM GEN have established this Citizen Participation Plan because the opportunity for citizen participation is an important component of the NYC Voluntary Cleanup Program. This Citizen Participation Plan describes how information about the project will be disseminated to the Community during the remedial process. As part of its obligations under the NYC VCP, LAM GEN will maintain a repository for project documents and provide public notice at specified times throughout the remedial program. This Plan also takes into account potential environmental justice concerns in the community that surrounds the project Site. Under this Citizen Participation Plan, project documents and work plans are made available to the public in a timely manner. Public comment on work plans is strongly encouraged during public comment periods. Work plans are not approved by the NYC Office of Environmental Remediation (OER) until public comment periods have expired and all comments are formally reviewed. An explanation of cleanup plans in the form of a public meeting or informational session is available upon request to OER's project manager assigned to this Site, William Wong, who can be contacted about these issues or any others questions, comments or concerns that arise during the remedial process at (212) 341-0659.

Project Contact List: OER has established a Site Contact List for this project to provide public notices in the form of fact sheets to interested members of the Community. Communications will include updates on important information relating to the progress of the cleanup program at the Site as well as to request public comments on the cleanup plan. The Project Contact List includes owners and occupants of adjacent buildings and homes, principal administrators of nearby schools, hospitals and day care centers, the public water supplier that serves the area, established document repositories, the representative Community Board, City Council members, other elected representatives and any local Brownfield Opportunity Area (BOA) grantee organizations. Any member of the public or organization will be added to the Site Contact List on request. A copy of the Site Contact List is maintained by OER's project

manager. If you would like to be added to the Project Contact List, contact NYC OER at (212) 788-8841 or by email at brownfields@cityhall.nyc.gov.

Repositories: A document repository is maintained online. Internet access to view OER's document repositories is available at public libraries. This document repository is intended to house, for community review, all principal documents generated during the cleanup program including Remedial Investigation plans and reports, Remedial Action work plans and reports, and all public notices and fact sheets produced during the lifetime of the remedial project. The library nearest the Site is:

Repository Name: New York Public Library

Address: 209 W 23rd St, New York, NY 10011

Tel: 212-924-1585

Hours of operations:

Monday and Wednesday: 11:00 AM to 6:00 PM

Tuesday and Thursday: 12:00 AM to 7:00 PM

Friday and Saturday: 10:00 AM to 5:00 PM

And at:

NYC Office of Environmental Remediation

www.nyc.gov/oer

Digital Documentation: NYC OER requires the use of digital documents in our repository as a means of minimizing paper use while also increasing convenience in access and ease of use.

Public Notice and Public Comment: Public notice to all members of the Project Contact List is required at three major steps during the performance of the cleanup program (listed below) and at other points that may be required by OER. Notices will include Fact Sheets with descriptive project summaries, updates on recent and upcoming project activities, repository information, and important phone and email contact information. All notices will be reviewed and approved by OER prior to distribution and mailed by the Enrollee. Public comment is

solicited in public notices for all work plans developed under the NYC Voluntary Cleanup Program. Final review of all work plans by OER will consider all public comments. Approval will not be granted until the public comment period has been completed.

Citizen Participation Milestones: Public notice and public comment activities occur at several steps during a typical NYC VCP project. These steps include:

- **Public Notice of the availability of the Remedial Investigation Report and Remedial Action Work Plan and a 30-day public comment period on the Remedial Action Work Plan:** Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the availability of the Remedial Investigation Report and Remedial Action Work Plan and the initiation of a 30-day public comment period on the Remedial Action Work Plan. The Fact Sheet summarizes the findings of the RIR and provides details of the RAWP. The public comment period will be extended an additional 15 days upon public request. A public meeting or informational session will be conducted by OER upon request.
- **Public Notice announcing the approval of the RAWP and the start of remediation:** Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the approval of the RAWP and the start of remediation.
- **Public Notice announcing the completion of remediation, designation of Institutional and Engineering Controls and issuance of the Notice of Completion:** Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the completion of remediation, providing a list of all Institutional and Engineering Controls implemented for to the Site and announcing the issuance of the Notice of Completion.

ATTACHMENT 5 – SUSTAINABILITY STATEMENT

This Sustainability Statement documents sustainable activities and green remediation efforts planned under this remedial action.

Reuse of Clean, Recyclable Materials and Reduced Consumption of Non-Renewable Resources: Reuse of clean, locally-derived recyclable materials reduces consumption of non-renewable virgin resources and can provide energy savings and greenhouse gas reduction. An estimate of the quantity (in tons) of clean, non-virgin materials (reported by type of material) reused under this plan will be quantified and reported in the Remedial Action Report (RAR).

Reduced Energy Consumption and Promotion of Greater Energy Efficiency: Reduced energy consumption lowers greenhouse gas emissions, improves local air quality, lessens in-city power generation requirements, can lower traffic congestion, and provides substantial cost savings. Best efforts will be made to quantify energy efficiencies achieved during the remediation and will be reported in the RAR. Where energy savings cannot be easily quantified, a gross indicator of the amount of energy saved or the means by which energy savings was achieved will be reported.

Conversion to Clean Fuels: Use of clean fuel improves NYC's air quality by reducing harmful emissions. Natural gas will be utilized for fuel in the new building. An estimate of the volume of clean fuels used during remedial activities will be quantified and reported in the RAR.

Recontamination Control: Recontamination after cleanup and redevelopment is completed undermines the value of work performed, may result in a property that is less protective of public health or the environment, and may necessitate additional cleanup work later or impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of contamination from off-Site. An estimate of the area of the Site that utilizes recontamination controls under this plan will be reported in the RAR in square feet.

Stormwater Retention: Stormwater retention improves water quality by lowering the rate of combined stormwater and sewer discharges to NYC's sewage treatment plants during periods of

precipitation, and reduces the volume of untreated influent to local surface waters. An estimate of the enhanced stormwater retention capability of the redevelopment project will be included in the RAR.

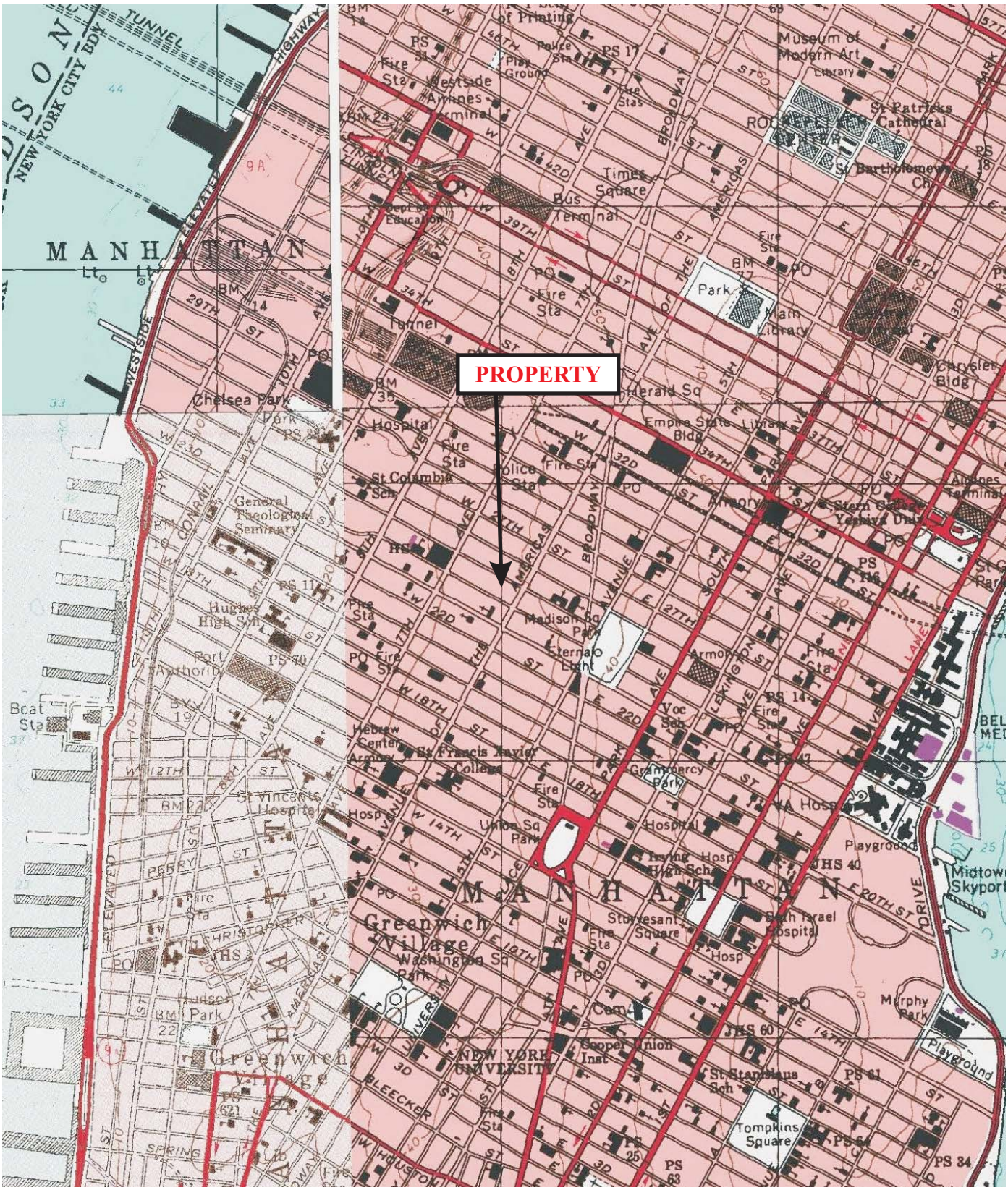
Linkage with Green Building: Green buildings provide a multitude of benefits to the city across a broad range of areas, such as reduction of energy consumption, conservation of resources, and reduction in toxic materials use. The number of Green Buildings that are associated with this brownfield redevelopment property will be reported in the RAR. The total square footage of green building space created as a function of this brownfield redevelopment will be quantified for residential, commercial and industrial/manufacturing uses.

Paperless Voluntary Cleanup Program: LAM GEN is participating in OER's Paperless Voluntary Cleanup Program. Under this program, submission of electronic documents will replace submission of hard copies for the review of project documents, communications and milestone reports.

Low-Energy Project Management Program: LAM GEN is participating in OER's low-energy project management program. Under this program, whenever possible, meetings are held using remote communication technologies, such as videoconferencing and teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation.

Trees and Plantings: Trees and other plantings provide habitat and add to NYC's environmental quality in a wide variety of ways. Native plant species and native habitat provide optimal support to local fauna, promote local biodiversity, and require less maintenance. An estimate of the land area that will be vegetated, including the number of trees planted or preserved, will be reported in square feet in the RAR.

FIGURES



LEGEND

N

Date: June 4, 2015
Source: USGS

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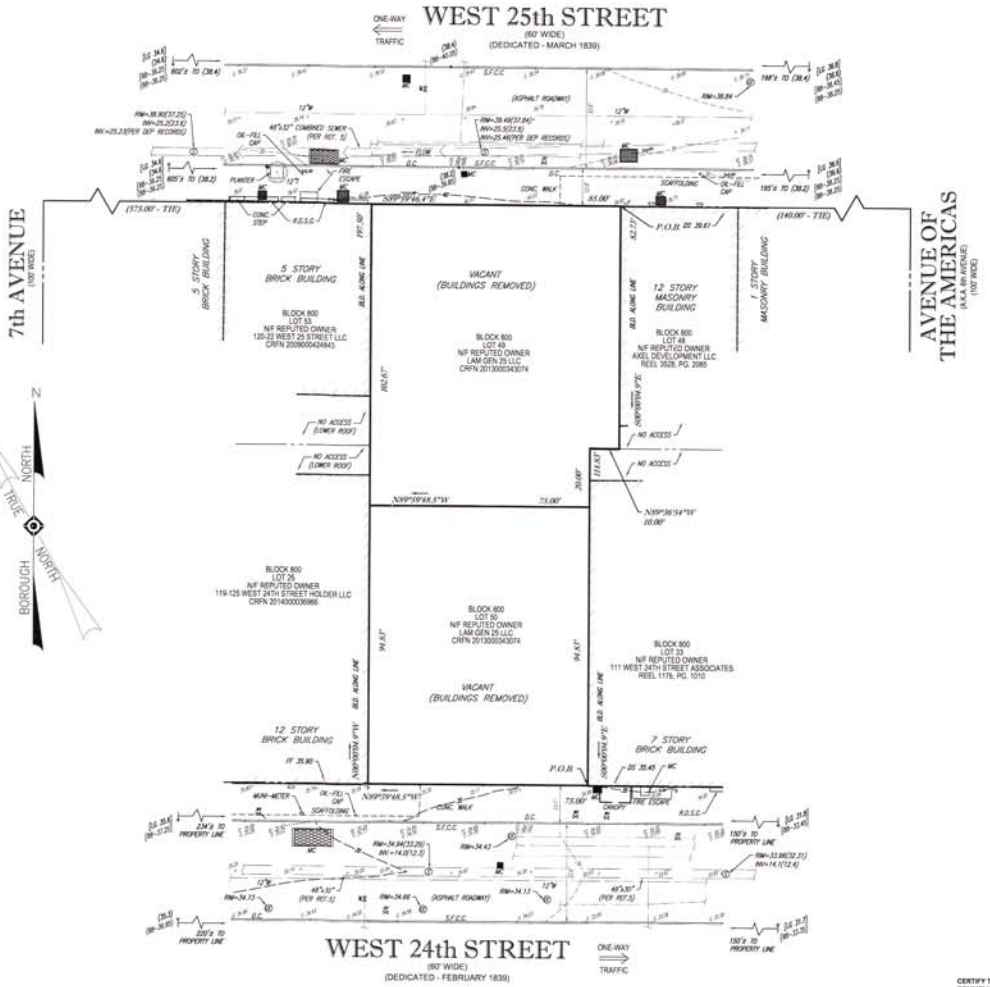
20 GIBSON PLACE FREEHOLD, NEW JERSEY 07728

SITE LOCATION MAP

112 West 25th Street
New York, New York 10001

FIGURE 1
Project No. 343443

VICINITY MAP
© 2006 DeLorme. Street Atlas USA



LEGEND

124 / 125	EXISTING CONTOUR
× 127.65	EXISTING SPOT ELEVATION
× TC 127.45	EXIST. TOP OF CURB ELEVATION
× G 127.65	EXIST. GUTTER ELEVATION
× FF 125.45	EXIST. FINISHED FLOOR ELEVATION
× DS 125.45	EXIST. DOOR SILL ELEVATION
× [LG 125.45]	LEGAL GRADE ELEVATION (PER REF. 4)
× (125.45)	EXIST. GRADE ELEVATION (PER REF. 4)
× [98-125.45]	LEGAL GRADE ELEVATION (PER REF. 4) CONVERTED TO NAVD 88 DATUM
× (98-125.45)	EXIST. GRADE ELEVATION (PER REF. 4) CONVERTED TO NAVD 88 DATUM
WV	WATER VALVE
GV	GAS VALVE
	FIRE DEPARTMENT CONNECTION
G	UNCONFIRMED LOC. UNDERGROUND GAS LINE (PER UTILITY MARK OUT - SEE NOTE 3)
E	UNCONFIRMED LOC. UNDERGROUND ELEC. LINE (PER UTILITY MARK OUT - SEE NOTE 3)
T	UNCONFIRMED LOC. UNDERGROUND TEL. LINE (PER UTILITY MARK OUT - SEE NOTE 3)
W	UNCONFIRMED LOC. UNDERGROUND WATER LINE (PER REF. 4, NOT FIELD VERIFIED - SEE NOTE 3)
V	VENT
	SIGN
S.F.C.C.	STEEL FACED CONCRETE CURB
D.C.	DEPRESSED CURB
MC	METAL COVER
R.D.S.C.	ROLL DOWN SECURITY GATE
E	ELECTRIC MANHOLE
S	SANITARY/SEWER MANHOLE RIM: NAVD 88 (BOROUGH SEWER DATUM) INV.: NAVD 88 (BOROUGH SEWER DATUM)
	DECIDUOUS TREE & TRUNK SIZE
FLOW	FLOW DIRECTION

UTILITIES:

THE FOLLOWING COMPANIES WERE NOTIFIED BY THE NEW YORK CITY ONE-CALL SYSTEM (1-800-272-4480) AND REQUESTED TO MARK OUT UNDERGROUND FACILITIES AFFECTING AND SERVICING THIS SITE. THE UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED UPON THE UTILITY COMPANIES RESPONSE TO THIS REQUEST.
SERIAL NUMBER(S): 141910201

UTILITY COMPANY	PHONE NUMBER
AT&T CORPORATION	(800)753-3145
CABLEVISION OF NEW YORK CITY	(718)890-8757
CONSOLIDATED EDISON CO. OF N.Y	(718)472-2304
EMPIRE CITY SUBWAY MANHATTAN	(212)240-4653
EXTENET SYSTEMS	(800)262-8600
MCI	(800)289-3427
PORT AUTHORITY OF NY & NJ	(201)595-4841
RCN	(718)472-2304
TIME WARNER CABLE - MANHATTAN	(212)379-4191

NOTES:

1. PROPERTY KNOWN AS LOTS 49 & 50, BLOCK 800, AS SHOWN ON THE NEW YORK CITY DIGITAL TAX MAP OF THE BOROUGH OF MANHATTAN, CITY, COUNTY AND STATE OF NEW YORK.
2. AREA LOT 49 = 8,627 S.F. OR 0.198 AC.
   AREA LOT 50 = 7,112 S.F. OR 0.163 AC.
   TOTAL AREA = 15,839 S.F. OR 0.363 AC.
3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE ASBUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.
4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
5. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN.
6. BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER REF. #2.
7. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
8. ALL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), WHICH IS 1.85 FEET BELOW THE MANHATTAN BOROUGH SEWER DATUM. ELEVATIONS ARE BASED UPON REFERENCE BENCHMARK 928 ELEVATION 45.218 FEET (BOROUGH OF MANHATTAN HIGHWAY DATUM), REPUTED TO BE 2.750 FEET ABOVE SEA LEVEL AT SANDY HOOK.

   TO CONVERT TO BOROUGH OF MANHATTAN HIGHWAY DATUM SUBTRACT 1.85 FROM THE ELEVATIONS LISTED, TO CONVERT TO NGVD 1929 ADD 1.1 TO THE ELEVATIONS LISTED.
9. THERE WERE NO NATURAL STREAMS OR WATERCOURSES VISIBLE AT THE TIME OF THE FIELD SURVEY.
10. ENCROACHMENTS AND VAULTS, IF ANY, BELOW SURFACE NOT SHOWN HEREON.
11. THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.

REFERENCES:

1. THE NEW YORK CITY DIGITAL TAX MAP OF THE BOROUGH OF MANHATTAN, CITY, COUNTY AND STATE OF NEW YORK.
2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, CITY OF NEW YORK, NEW YORK, BRONX, RICHMOND, NEW YORK, QUEENS AND KINGS COUNTIES," PANEL 201 OF 457, MAP NUMBER 3604970201F, MAP REVISED: SEPTEMBER 5, 2007.
3. BOROUGH SURVEY NO. 33 PROVIDED BY THE OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, TOPOGRAPHICAL BUREAU.
4. FINAL SECTION MAP NO. 42 PROVIDED BY THE OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, TOPOGRAPHICAL BUREAU.
5. SEWER MAPPING PROVIDED BY THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER AND SEWERS.
6. WATER MAPPING PROVIDED BY THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER AND SEWERS.
7. FIRE COMMUNICATIONS MAPPING PROVIDED BY THE CITY OF NEW YORK, MAP NUMBER 28.
8. MAP ENTITLED "MAP SHOWING A CHANGE OF GRADE ON WEST 25TH STREET BETWEEN BROADWAY AND SEVENTH AVENUE", PROVIDED BY THE OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, DATED APRIL 6, 1923. MAP NUMBER: ACC 25012
9. MAP ENTITLED "MAP SHOWING A CHANGE OF GRADE ON WEST 24TH STREET BETWEEN BROADWAY AND SEVENTH AVENUE", PROVIDED BY THE OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, DATED APRIL 4, 1923. MAP NUMBER: ACC 25156.
10. APPLICATION FOR MERGERS OR APPORTIONMENTS (RP-602), BOROUGH OF MANHATTAN, BLOCK 800, LOT 49 DATED 8-05-2013 APPROVED 8-08-2013.

CERTIFY TO:
COMMONWEALTH LAND TITLE INSURANCE COMPANY
FEDERAL STANDARD ABSTRACT, INC.
SHANGHAI COMMERCIAL BANK LTD., NEW YORK BRANCH, ITS SUCCESSOR AND/OR ASSIGNS
LAM GEN 25 LLC

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

PREPARED BY:
CONTROL POINT ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NJ 07059
908.668.0099 - 908.668.9595 FAX
CHALFONT, PA 215.712.9600
SOUTHBOROUGH, MA 508.948.3000

NO.	DATE	BY	DESCRIPTION	APPROVED
8	4-15-2015	M.W.P.	REVISE PER CLIENT COMMENTS	G.J.S.
7	3-26-2015	W.S.H	ADD CERTIFIED PARTIES	G.J.S.
6	3-3-2015	W.S.H	ADD STREET AND SIDEWALK WIDTHS	G.J.S.
5	2-17-2015	W.S.H	PER ENGINEERS COMMENTS	G.J.S.
4	1-23-2015	W.S.H	REVISE PER SITE FIELD UPDATE	G.J.S.
3	12-10-2014	W.S.H	REVISE TO ADD DIMENSIONS & ELEVATIONS (PER CLIENTS REQUEST)	G.J.S.
2	11-18-2014	W.S.H	REVISE TO ADD ROOF SURVEY	G.J.S.

REVISIONS

PROJECT NAME
112 WEST 25th STREET
LOTS 49 & 50, BLOCK 800
BOROUGH OF MANHATTAN
COUNTY, CITY AND STATE OF NEW YORK

DRAWING TITLE
BOUNDARY & TOPOGRAPHIC SURVEY

SEAL & SIGNATURE

NOT VALID UNTIL SEALED WITH A BLUE INK SEAL

4-15-2015
JAMES C. WEED DATE
NEW YORK PROFESSIONAL LAND SURVEYOR #6276

FIELD DATE:	7-17-14
FIELD BK:	14-14
F. B. PAGE:	96-104
DATE:	7-30-2014
SCALE:	1"=20'
PROJECT No:	C13372
DRAWING BY:	I.D.V.
CHK BY:	M.W.P.
APPROVED BY:	G.J.S.
DWG No:	V-001.8
CAD FILE No:	C13372
PAGE No:	1 OF 1

CONTROL POINT ASSOCIATES, INC.: ALL RIGHTS RESERVED

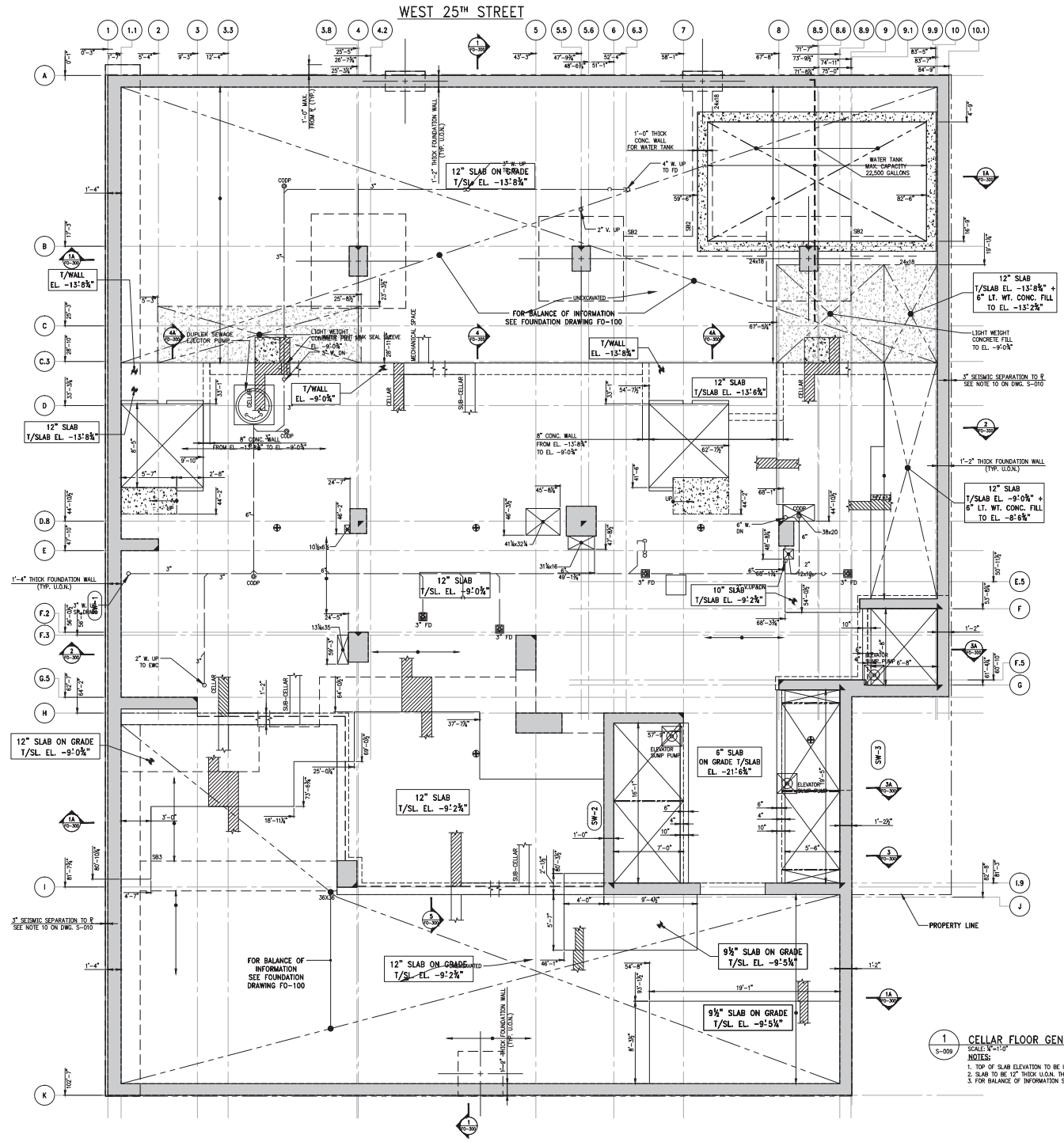
FIGURE 2

N

Figure 3: Land Use Map

112 West 25th Street, New York, NY
Project Number: 343443

AEI Consultants



1 S-009 CELLAR FLOOR GENERAL ARRANGEMENT PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE U.O.N. THUS ▭ ON PLAN.
2. SLAB TO BE 12" THICK U.O.N. THUS ▭ ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

Nobutaka Ashihara Architect

132 Nassau Street, Suite 1320
New York, New York 10038
TEL 212.233.1783
FAX 212.619.0647
WEB http://www.naa-arch.com

REV.	DATE	DESCRIPTION
	03.27.15	REVISED FOUNDATION BID SET
	01.16.15	100% CD ISSUE
	11.07.14	75% CD ISSUE

112 W 25TH ST HOTEL

112 West 25th Street
New York, New York 10001

Owner / Developer:
Lam Group
202 Centre Street, 6th Floor
New York, New York 10013

Structural Engineer
WSP
228 East 45th Street, 3rd Floor
New York, NY 10017

MEP Engineer
Edward & Zuck PC Consulting Engineers
315 Park Avenue South
New York, NY 10010

Interior Designer
Stonehill & Taylor
31 West 27th Street
New York, NY 10001

Elevator Consultant
Jenkins & Huntington Elevator Consulting
1251 Avenue of the Americas
New York, NY 10020

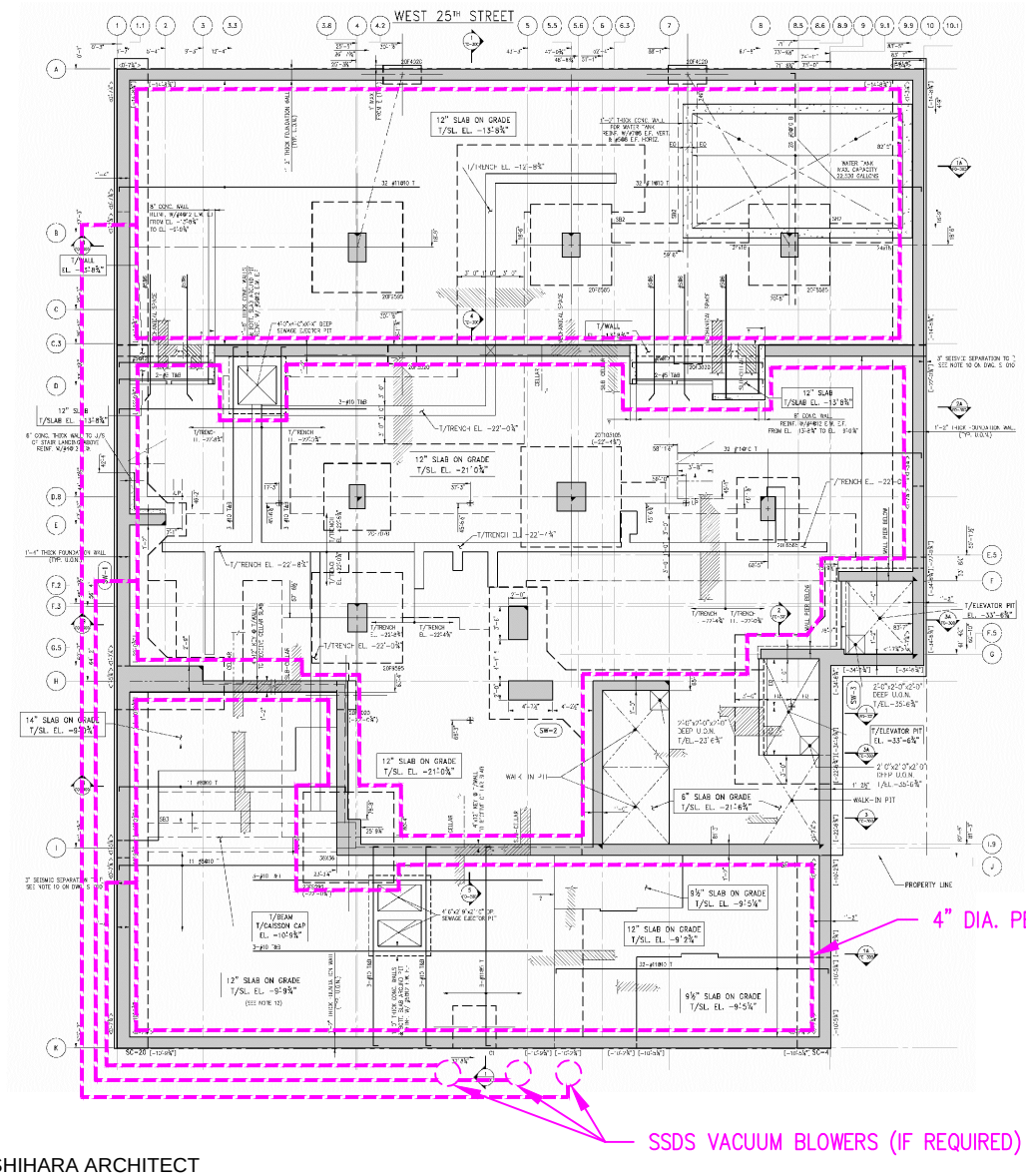
PROJ. NO. 1308890
ISSUE DATE
SCALE 1/4" = 1'-0"
DRAWN
CHECKED

DWG. TITLE
CELLAR FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.
S-009.00

NYC DOB Number

FIGURE 4



LEGEND

COLLECTION PIPING

NOTES:

1. COLLECTION PIPING LOCATIONS ARE APPROXIMATE. SUBJECT TO CHANGE BASED ON FOUNDATION DESIGN MODIFICATIONS.

GRAPHIC SCALE

0 20 40

(IN FEET)

SOURCE: NOBUTAKA ASHIHARA ARCHITECT

AEI Consultants Environmental & Engineering Services	DRAWN BY: MG	REVIEWED BY: MT	SUB-SLAB DEPRESSURIZATION PLAN 112 W 25TH STREET NEW YORK, NEW YORK	AEI Project #343443	FIGURE 5
	APPROVED BY DSB	Date: 12/9/15			

P:\Clients\AAEI\112 W25th Street\SSDS PLAN.dwg, 2, 1/19/2016 3:09:50 PM, Pinnacle

Legend

Approximate Lot Boundary

Limits of Soil Excavation

Soil Boring Location

Temp Well

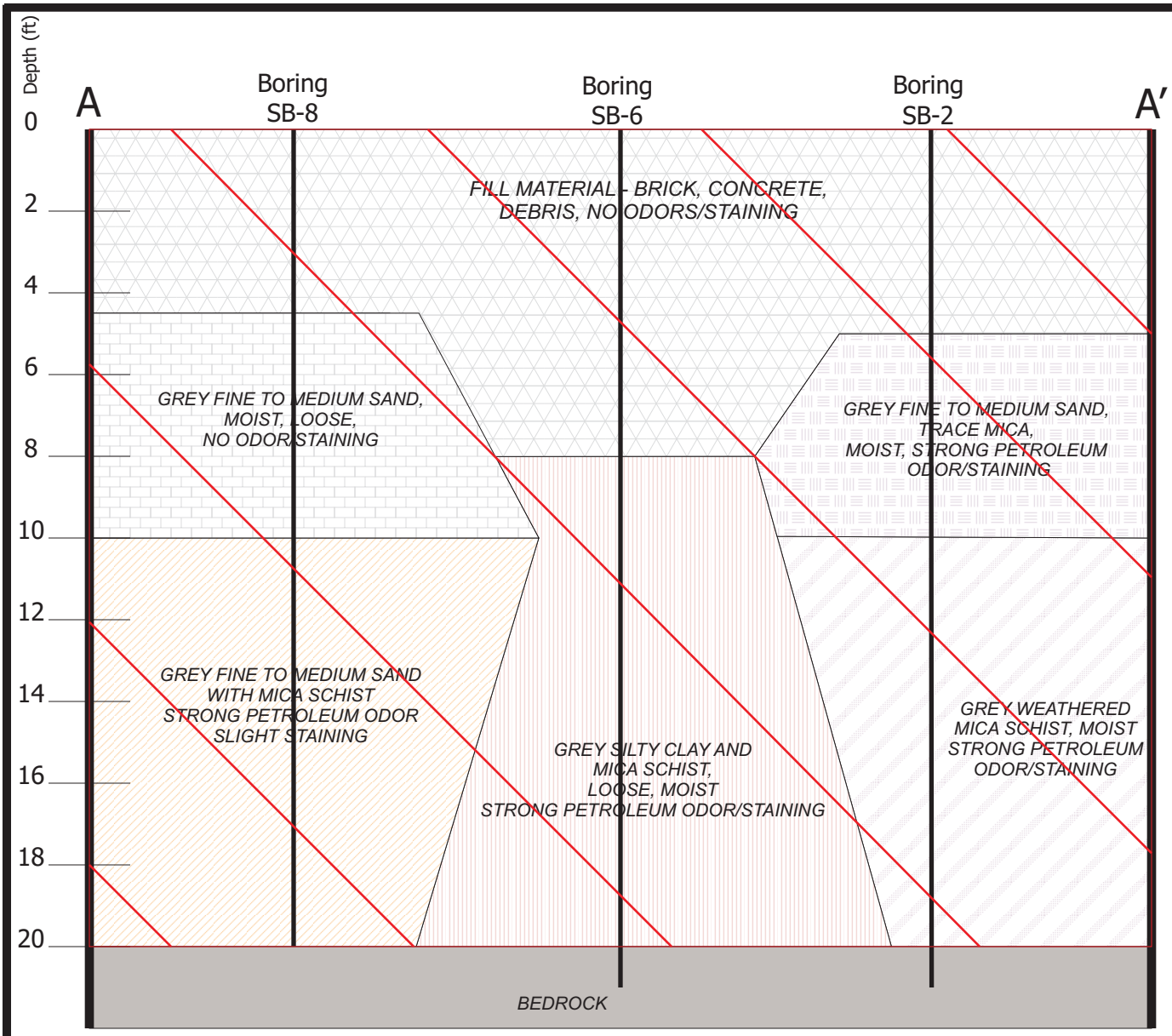
N

Figure 6: Soil Excavation Plan

112 West 25th Street, New York, NY

Project Number: 343443

AEI Consultants



Notes/Legend:

- - Type and thickness of soils approximated based on borings completed on subject parcel

- Weathered bedrock encountered at 25 feet bgs at one boring SB-12 (not shown) on subject parcel

- Figure not to scale

Soils to be removed.

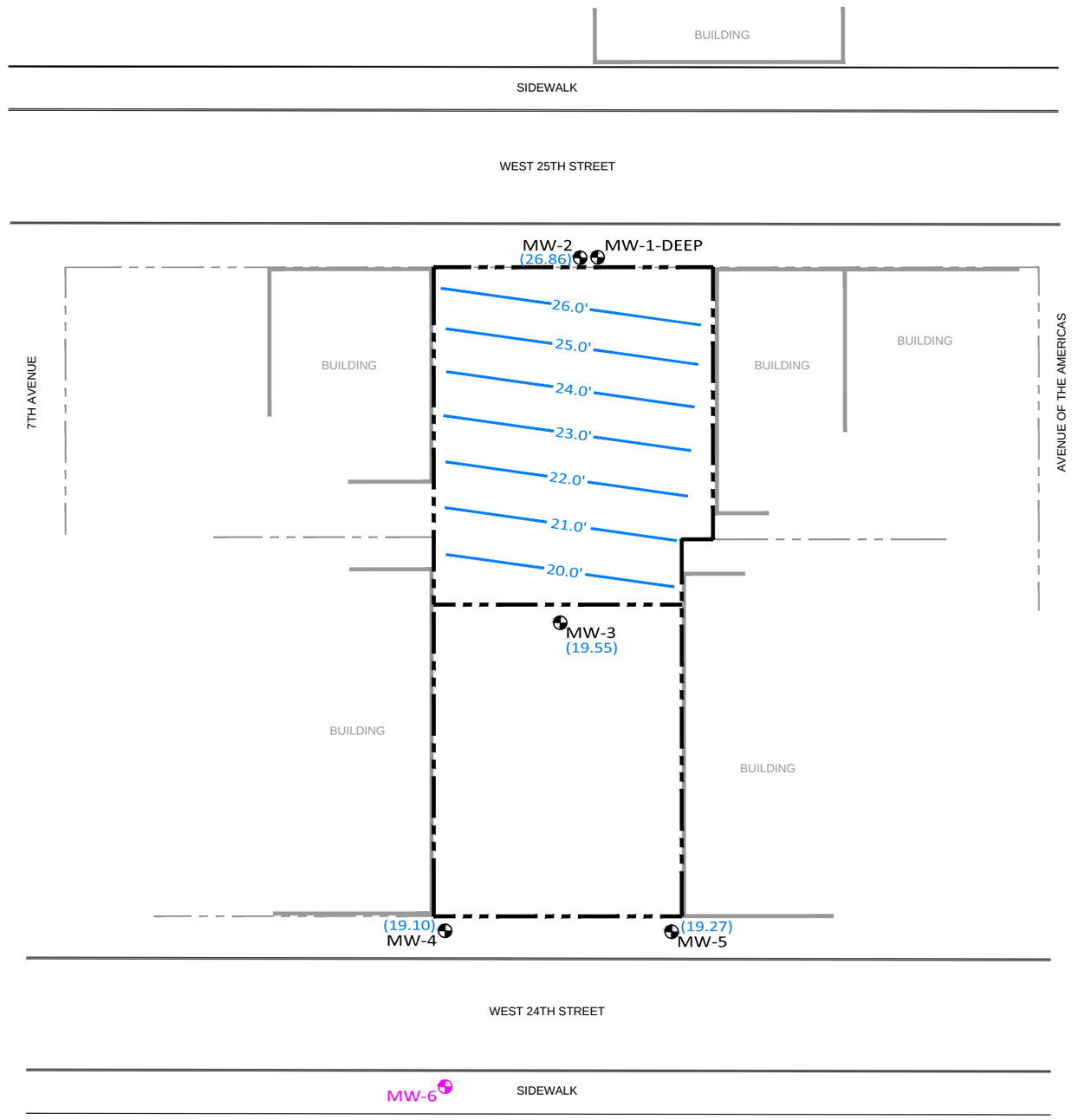
N

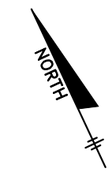
Figure 7 - Soil Excavation Profile

112 West 25th Street, New York, New York

Project Number: 343443

AEI Consultants





LEGEND

	SITE PROPERTY BOUNDARY
MW-2	MONITORING WELL LOCATION
MW-6	PROPOSED MONITORING WELL LOCATION
	GROUNDWATER CONTOUR (10/28/15)
(20.00)	GROUNDWATER DEPTH (FEET ABOVE MEAN SEA LEVEL)

NOTE: THIS IS NOT A SURVEY

GRAPHIC SCALE

0 40 80

(IN FEET)

SOURCE: CONTROL POINT ASSOCIATES, INC.

AEI Consultants
Environmental & Engineering Services

DRAWN BY: AG	REVIEWED BY: MT	MONITORING WELL NETWORK	AEI Project #343443	FIGURE
APPROVED BY DSB	Date: 1/13/16	112 W 25TH STREET NEW YORK, NEW YORK		8

D:\Clients\A\AEI\112 W25th Street\GWCONTOURS.dwg, SAMPLES, 1/19/2016 3:10:39 PM, Pinnacle

APPENDIX 1

Remedial Investigation Report
112 West 25th Street & 113 West 24th Street
Block 800, Lots 49 & 50
Manhattan, New York

AEI Consultants

LAM GEN REDEVELOPMENT

112 WEST 25TH & 113 WEST 24TH STREET
BLOCK 800, LOTS 49 & 50

MANHATTAN, NEW YORK

Remedial Investigation Report

NYC VCP Project Number: 16CVCP019M

Prepared for:

LAM GEN 25 LLC

135 Grand Street 3rd floor

New York, New York 10013

Prepared by:

AEI Consultants

30 Montgomery Street, Suite 220, Jersey City, New Jersey 07302

201-332-1844

DECEMBER 2015

REMEDIAL INVESTIGATION REPORT
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CERTIFICATION

I, David Bausmith, am a Qualified Environmental Professional, as defined in ***RCNY § 43-1402****. I have primary direct responsibility for implementation of the Remedial Investigation for 112 West 25th Street and 113 West 24th Street, New York, NY. 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.*

12/30/15

David Bausmith, PE Date

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 Flatiron section of Manhattan, New York and is identified as Block 800, Lot 49 and Lot 50 on the New York City Tax Map. A property survey of the Site is included as Appendix 1, and Figure 1 is a Site location map. The Site is 17,000-square feet and is bounded by West 25th Street to the north, West 24th Street to the south, building to the east, and building to the west. Currently, the Site is used vacant and contains no buildings. The surface area of the Site consists of exposed soils and debris. The Site is subject to environmental review by the New York State Department of Environmental Conservation (NYSDEC) under open spill number 15-01663.

Summary of Proposed Redevelopment Plan

Multi-story commercial buildings are proposed at the Site. The proposed building for Lot 49 measures approximately 9,000 square feet on the main level, and the foundation will occupy nearly the entire footprint of Lot 49. The building will be equipped with a partial basement. The planned development of a basement and foundation will require excavation and disposal of soil from within the building footprint. The proposed depth of the basement varies between approximately 9 and 21 feet beneath ground surface (ft-bgs) across three compartments. The basement level will include mechanical equipment, restrooms, and storage. The building setbacks are proposed at approximately 15 feet on the north side, and 10 feet on the south, east, and west sides. Entry is proposed from the north side, along 25th Street. No subdivision of the lot is proposed as part of the development at this time. The total gross square footage of the hotel will be approximately 315,500 SF. Anticipated usage of the floors is generally broken down as follows:

- 1st floor – public space and lobby/restaurant
- 2nd floor - public space and meeting rooms
- 3rd floor – mechanical systems

- 4th – 36th floor – event suites
- 36th floor – restaurant
- 37th floor – outdoor lounge

The property defined as Block 800, Lot 50, includes 0.163 acres of vacant land located immediately adjacent to 0.196 acres of land (Lot 49) that is being developed as a 37-floor, 315,500 SF commercial hotel. The current redevelopment plan for Lot 50 is similar to the one proposed for Lot 49. Specifically, redevelopment will include construction of a 40-story commercial hotel that will cover nearly the entire 7,112 SF lot. The sub-basement of the structure, which will include meeting, mechanical, and fitness rooms, will extend approximately 34 ft-bgs. To facilitate construction of the sub-basement and foundation of the proposed commercial hotel, existing soil will be excavated and removed from Lot 50 to a depth of approximately 34 ft-bgs. Based on the results of a Geotechnical Study completed in support of pending construction at the adjacent Lot 49, the resultant excavation will extend to the approximate surface of native bedrock beneath Lot 50. The foundation slab and sidewalls are expected to be equipped with a synthetic moisture/vapor barrier.

Summary of Past Uses of Site and Areas of Concern

Past uses of the Site include a candy and chocolate factory (1880-1911), and automotive repair and parking (1927-2013). Potential environmental concerns were identified in association with the current or former use of the subject property include the former presence of eight (8) 550-gallon gasoline underground storage tanks (USTs) and an abandoned hydraulic lift under the basement floor.

Summary of Work Performed under the Remedial Investigation

Investigation of the Site included various environmental site assessments and subsurface investigations commencing in 2006. Investigations of soil, soil vapor and groundwater were performed in 2015 at the 112 West 25th Street (Lot 49) and 113 West 24th Street (Lot 50). The investigation included four soil gas samples in the vicinity of the suspected former USTs, 27 soil samples from 15 soil borings across both lots, and four groundwater samples. Samples were analyzed for petroleum-related compounds typically associated with the area of concern. The results identified elevated levels of petroleum hydrocarbons in soil and soil vapor in the northeastern part of the subject property, proximal to the former UST locations. Petroleum-

impacted groundwater in the unconsolidated fill unit was also documented at four (4) temporary well points. Fill at the subject property was approximately 14 to 25 feet thick, consisting primarily of urban/historic fill and silty sand overlying schist bedrock.

Based on the May 2015 investigation results, the NYSDEC requested further soil sampling as well as soil gas sampling and permanent monitoring well installations. The work described herein was conducted in accordance with a Remedial Investigation (Phase II) Investigation Work Plan approved by the OER/NYSDEC on September 23, 2015, and included: eighteen (18) soil samples were collected from nine (9) soil borings; seven (7) soil gas samples were collected from five (5) soil borings; and, five (5) groundwater samples were collected from five (5) monitoring wells.

Summary of Remedial Investigation Findings

The results of the October 2015 RI activities were generally consistent with the findings from the May 2015 RI investigation for petroleum-related compounds in soil and groundwater. The data suggest that soils in the vicinity of the former USTs in the northeast corner of the subject property are impacted with VOCs in the vadose zone, apparently related to historic releases from the USTs. The petroleum compounds then appear to have migrated vertically downward from approximately 6-8 ft-bgs to the water table, which was present at approximately 13 ft-bgs. Petroleum-related VOCs and SVOCs then appear to have distributed laterally through dissolution in groundwater, and vertically due to fluctuations in the groundwater table. The concentrations of VOCs and SVOCs were generally higher near the central portion of the subject property (i.e., MW-3), which is located downgradient of the former UST area. VOCs were detected at monitoring wells located along the southern property boundary at concentrations greater than their respective GWQSs. The distribution of metals and SVOC concentrations in soil do not appear consistent with a release from the former UST area. Rather, elevated concentrations of these compounds appear widespread across the subject property, which is consistent with urban/historic fill known to be present at the subject property and surrounding properties. Elevated VOC concentrations were detected in soil vapor at sample points across the subject property, generally at higher concentrations in soils closer to the groundwater table surface. This suggests that the elevated vapor readings are primarily related to volatilization from impacted groundwater.

Overall, the findings suggest that residual petroleum impacts to soil in a localized area of the northwest portion of the subject property are contributing to groundwater and soil vapor impacts elsewhere on the subject property. The anticipated soil removal that will occur during the initial phases of site remediation/redevelopment, will eliminate this source of contamination and related soil vapor issues, and greatly enhance natural attenuation of the petroleum hydrocarbons in groundwater which are well-known to be amenable to biodegradation. Source removal, in conjunction with bioremediation enhancements/oxidants and monitored natural attenuation are expected to be an effective remedy for addressing the impacts documented during this RI, and would be compatible with the proposed redevelopment plan for the subject property.

1.0 Introduction

AEI Consultants (AEI) has prepared this Remedial Investigation (RI) report to summarize the results of a soil, soil gas and groundwater investigation conducted during September and October 2015 on behalf of LAM GEN, LLC (LAM GEN) at 112 West 25th Street (Lot 49) and 113 West 24th Street (Lot 50) in Manhattan, New York (subject property). These activities were conducted to further characterize impacts identified during June 2015 RI activities, when a spill case was established due to high PID readings, visual soil discoloration, and petroleum-like odors.

Eight (8) soil borings and seven (7) soil gas probes were advanced, and five (5) monitoring wells (MW) were installed as part of the October 2015 investigation at the subject property (Figure 1). The locations of the borings, soil gas probes, and monitoring wells are shown in Figure 2.

1.1 Site Description

The subject property is located in the Flatiron section of Manhattan, New York and is identified as Block 800 and Lots 49 and 50 on the New York City Tax Map. A survey of the property is included in Appendix 1. The subject property totals 17,000-square feet and is bounded by West 25th Street to the north, West 24th Street to the south, buildings to the east, and buildings to the west. The subject property is currently vacant and unimproved. The surface area of the subject property consists of exposed soils and masonry debris. The subject property is listed by the New York State Department of Environmental Conservation (NYSDEC) under Spill Number 15-01663 (open). Spill number 15-01725, which formerly applied to Lot 50 of the subject property, has been “closed” by the NYSDEC.

1.2 Proposed Redevelopment Plan

The proposed redevelopment of the subject property includes a building measuring approximately 9,000 square feet on the ground level, and a foundation will occupy nearly the entire footprint of Lot 49. Architectural plans for the building proposed as part of the redevelopment on Lot 49 are included in Appendix 2. The planned development of a basement and foundation will require excavation and disposal of soil from within the building footprint. The proposed depth of the basement will be approximately 15-20 feet beneath ground surface

(ft-bgs). The basement level will include mechanical equipment, restrooms, and storage. The building setbacks are proposed at approximately 15 feet on the north side, and 10 feet on the south, east, and west sides. Entry is proposed from the north side, along West 25th Street. No subdivision of the lot is proposed as part of the development at this time. The total gross square footage of the hotel will be approximately 315,500 SF. Anticipated usage of the floors is generally broken down as follows:

1st floor – public space and lobby/restaurant
2nd floor - public space and meeting rooms
3rd floor – mechanical systems
4th – 36th floor – event suites
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The property defined as Block 800, Lot 50, includes 0.163 acres of vacant land located immediately adjacent to 0.196 acres of land (Lot 49) which is being developed as a 37-floor, 315,500 SF commercial hotel. The current redevelopment plan for Lot 50 is similar to that proposed for Lot 49. Specifically, redevelopment will include construction of a 40-story commercial hotel which will cover nearly the entire 7,112 SF lot. The sub-basement of the structure, which will include meeting, mechanical, and fitness rooms, will extend approximately 34 ft-bgs. To facilitate construction of the sub-basement and foundation of the proposed commercial hotel, existing soil will be excavated and removed from Lot 50 to a depth of approximately 34 ft-bgs. Based on the results of a Geotechnical Study completed in support of pending construction at the adjacent Lot 49, the resultant excavation will extend to the approximate surface of native bedrock beneath Lot 50. The foundation slab and sidewalls are expected to be equipped with a synthetic moisture/vapor barrier.

1.3 Description of Surrounding Property

The subject property is surrounded by a combination of mixed commercial and residential properties described below.

Direction from Site	Surrounding Property Use (Address)
North	West 25th Street, then commercial (119-125 West 25th Street; 115-117 West 25th Street) and multi family residence (107-113 West 25h Street)
West (From north to south)	Mixed residential and commercial (120 West 25th Street) and commercial (119-125 West 24th Street)
East (from north to south)	Mixed residential and commercial (110 West 25th Street) and commercial (109-111 West 24th Street)
South	West 24th Street, then a church (116 West 24th Street), commercial (112-114 West 24th Street), hotel (108 West 24th Street), and commercial (106 West 24th Street

There are no sensitive receptors such as schools, hospitals, or daycare centers located within a 250-ft radius of the subject property. One daycare center is located approximately 400 feet northwest of the subject property; Tutor Time on 6th is located at 776 6th Avenue New York, New York. There are no hospitals or schools located within a 500-ft radius of the subject property.

2.0 Summary of Previous Investigations

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

Phase I Environmental Site Assessment, July 2006, prepared by Merritt Engineering Consultants (Merritt)

An Environmental Site Assessment (ESA) of the subject property was completed by Merritt in July 2006, which identified Recognized Environmental Conditions (RECs) associated with the Site. RECs are defined by the ASTM Standard Practice as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The following RECs were identified, and associated recommendations included, as part of the 2006 Merritt ESA:

- Sanborn Maps for the years 1930-1996 identified eight (8) gasoline tanks buried on site. Further investigation was recommended to determine if any buried tanks or sub-surface contamination is present.
- An abandoned hydraulic lift on site was suspected. Further investigation was recommended to determine if any sub-surface contamination is present.

The Merritt Phase I ESA is included in Appendix 3.

Environmental Subsurface Assessment Report, August 2006, prepared by Don Carlo Environmental Services Inc. (Don Carlo)

On August 7, 2006 Don Carlo Environmental Services (DCES) conducted an Environmental Subsurface Assessment. Five (5) soil borings were advanced south and west of the eight (8) abandoned USTs to a depth of 12 ft-bgs. The DCES report stated the USTs were reportedly filled with sand at an unknown time. There was no mention regarding the confirmed closure of the USTs. Five (5) soil samples (B1-S1 through B5-S1) were collected and analyzed under EPA method STARS 8021 for Volatile Organic Compounds. Laboratory analysis of the soil samples did not identify soil impacts above laboratory reporting limits and the NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs).

The DCES Environmental Subsurface Assessment is included in Appendix 4.

Phase I Environmental Site Assessment, November 2014, prepared by Partner Assessment Corporation (Partner)

As a follow up to the above-referenced investigations, Partner completed an updated a Phase I ESA for the subject property in November 2014. Partner reviewed a previous *Phase I ESA*, dated July 14, 2006, prepared by Merritt and the *Environmental Subsurface Assessment Report*, dated August 16, 2006 prepared by DCES. According to the review of historical documents, the Site formerly utilized eight (8), 550-gallon gasoline USTs. These USTs were identified on Sanborn Fire Insurance Maps as early as 1930 in the northeast corner of the Site.

During site reconnaissance, Partner observed eight (8) vent pipes which appeared to confirm the presence of the USTs. Because the existing building at the Site was proposed to be demolished, excavated and redeveloped, the potential presence of the USTs was considered a REC.

The Partner Phase I ESA is included in Appendix 5.

Phase II Subsurface Investigation Report, April 2015, prepared by Partner

In 2015, Partner confirmed that the former parking structure was demolished and was leveled to grade. The 2015 Phase II report indicates that the demolition debris was used to backfill the former basement area and UST excavations. Partner conducted soil vapor testing in the vicinity of the suspected former gasoline USTs at the Site.

Soil Vapor Investigation Findings - The scope of the Subsurface Investigation included the installation of four (4) soil gas sample points for the collection of samples in the vicinity of the suspected former USTs. Four (4) soil gas samples (SG-1 through SG-4) were collected and submitted for petroleum VOCs analysis. Based on observations made during boring activities, the underlying subsurface consisted of building debris and fill material consisting of brown fine to medium and silty sand with gravel and bricks from ground surface to approximately five ft-bgs. Groundwater was not encountered at any of the borings.

The laboratory analytical results of the soil gas samples indicated petroleum VOC impacts, specifically benzene, to the subsurface soil gas in the vicinity of the former USTs. At the time the Partner report was prepared, the benzene concentrations in two (2) of the four (4) soil gas

were reported to exceed the corresponding EPA's commercial Vapor Intrusion Screening Level (VISL) for benzene.[1] Based on these results, Partner recommended further investigation and/or potential vapor mitigation design.

The Partner Phase II report is included in Appendix 6.

Remedial Investigation Report (112 West 25th Street), June 2015, prepared by AEI & *Remedial Investigation Report (111 West 24th Street)*, June 2015, prepared by AEI

AEI completed remedial investigation of soil and groundwater at the 112 West 25th Street (Lot 49) and 113 West 24th Street (Lot 50) in May 2015. The investigations were based on the historical reports and suspected presence of impacts related to former gasoline USTs. The results were presented in two Remedial Investigation Reports (RIRs) submitted for each lot since NYSDEC spill case numbers were assigned separately to each lot, as described below. Based on observations during the investigation that suggested a possible release, spill number 15-01663 was established for Lot 49 and spill number 15-01725 was established for Lot 50. The spill numbers were established with the NYSDEC due to elevated PID readings, visual soil staining in the soil borings, and strong petroleum odors in the soil borings. The location of the historical soil vapor samples collected by Partner, and the soil boring locations completed as part of the May 2015 RI, are depicted on Figure 2 of the RIR for 112 West 25th Street (Appendix 7) and Figure 2 of the RIR for 113 West 25th Street (Appendix 8). In summary, the results of the May 2015 RI included the following:

1. Elevation of the property above mean sea level ranges from 33 to 36 feet.
2. Depth to groundwater ranges from approximately 14 to 20 feet below grade at the subject property.
3. Groundwater flow is generally from northeast to southwest beneath the subject property.
4. Depth to bedrock ranges from approximately 14 to 28 feet below grade at the subject property.
5. The stratigraphy of the subject property, from the surface down, consists of 14 to 20 feet of Urban Fill underlain by Mica Schist Bedrock

[1] None of the detected VOC concentrations exceed the current commercial EPA soil vapor standard for benzene.

6. Laboratory analyses of fifteen (15) soil samples from nine (9) soil borings were performed for petroleum-related VOCs and SVOCs likely to be associated with the former gasoline USTs at the subject property. Soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives and Restricted Commercial Soil Cleanup Objectives (SCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Several VOCs including benzene (up to 1.4 mg/Kg), toluene (up to 22 mg/Kg), ethylbenzene (up to 33 mg/Kg), total xylenes (up to 160 mg/Kg), 1,3,5-trimethylbenzene (up to 54 mg/Kg) and 1,2,4-trimethylbenzene (up to 140 mg/Kg) exceeded Unrestricted Use SCOs. Several semi-volatile organic compounds (SVOCs) consisting of Polycyclic Aromatic Hydrocarbons (PAH) compounds were detected with benz(a)anthracene (up to mg/kg), benzo(a)pyrene (up to 28 mg/kg), benzo(b)fluoranthene (up to 31 mg/kg), benzo(k)fluoranthene (up to 13 mg/kg), chrysene (up to 29 mg/kg), dibenzo(a,h)anthracene (up to 3.7 mg/kg), indeno(1,2,3-cd)pyrene (up to 17 mg/kg), and naphthalene (up to 35 mg/kg) exceeding Unrestricted Use as well as Restricted Commercial Use SCOs.
7. Groundwater was collected from four (4) temporary wells and analyzed for petroleum-related VOCs and SVOCs. VOCs including benzene (up to 1,000 ug/l), toluene (up to 3,200 ug/l), ethylbenzene (up to 2,400 ug/l), total xylenes (up to 12,800 ug/l), 1,3,5-trimethylbenzene (up to 2,200 ug/l), 1,2,4-trimethylbenzene (up to 4,800 ug/l), and naphthalene (up to 2,10 ug/l) exceeded their respective NY State Groundwater Quality Standards (GQSs).

The RIRs for 112 West 25th Street (Lot 49) and 113 West 24th Street (Lot 50) are included in Appendix 7 and Appendix 8, respectively.

3.0 Project Management

3.1 Project Organization

AEI has established a project team for this project whose collective qualifications and experience are strongly suited for successful completion of the project. The proposed responsibilities of the key staff are summarized below:

Joseph Bernarducci, is the Project Manager responsible for execution of the field work and data assessment; and,

David Bausmith, PE, is the Qualified Environmental Professional (QEP) responsible for Quality Assurance that pertains to all aspects of sample acquisition and data management.

3.2 Health and Safety

A site-specific health and safety plan was prepared, reviewed by onsite personnel, and kept onsite for the duration of the fieldwork. The Health and Safety Plan is attached as Appendix 9.

3.3 Materials Management

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

4.0 Remedial Investigation Activities

4.1 Drilling and Soil Sample Collection

Drilling was conducted September 28, 2015 through October 1, 2015. A total of nine (9) borings, AEI-SB1 through AEI-SB8 and MW-3, were advanced in a grid pattern on the subject property. A total of eighteen (18) samples were collected from the nine (9) borings. The borings were advanced by Foresight Enviroprobe (Foresight) of Freehold, New Jersey using a track mounted air rotary drill rig. The borings were advanced to a maximum of twenty-five (25) feet below ground surface (ft-bgs). The location of each boring is listed below, and depicted graphically on Figure 2:

- AEI-SB1: Northwest corner of subject property (Lot 49)
- AEI-SB2: Northeast corner of subject property (Lot 49)
- AEI-SB3: Center of Lot 49 (north half of subject property)
- AEI-SB4: Southwest corner of Lot 49
- AEI-SB5: Southeast corner of Lot 49
- AEI-SB6: Center of Lot 50 (south half of subject property)
- AEI-SB7: Southeast corner of the subject property (Lot 50)
- AEI-SB8: Southwest corner of the subject property (Lot 50)
- MW-3: Near the center of the subject property (Lot 50)

The borings were advanced using three (3) inch outer diameter rods and samples were collected by advancing the rods with acetate sample liners in approximately five foot intervals. After each interval, the core was retrieved, core barrel disassembled, and the sample liner was removed and transferred to the onsite geologist.

The cores were measured and soils logged using the Unified Soil Classification System. A photo ionization detector (PID) was used to screen soils in the field and the PID readings are included on each boring log (Appendix 10). PID readings were taken every six (6) inches, and ranged from 0 to 5,000 ppm.

4.2 Soil Gas Sample Collection

On September 28, 2015 and October 1, 2015, seven (7) soil gas samples were collected on the subject property (Figure 2). The sampling was conducted in accordance with the guidelines outlined in Guidance for Evaluating Soil Vapor Intrusion in the State of New York by the New York State Department of Health. The location of each sample port is listed below:

- Probe AEI-SG-1: Collected at AEI-SB1, in northwest corner of Lot 49
- Probe AEI-SG-2: Collected at AEI-SB3, in center of Lot 49
- Probe AEI-SG-3: Collected at AEI-SB4, in southwest corner of Lot 49
- Probe AEI-SG-4: Advanced in the northeast corner of Lot 50 (2 soil gas samples collected at different depths at this location)
- Probe AEI-SG-5: Collected at AEI-SB7, southeast corner of Lot 50 (2 soil gas samples collected at different depths at this location)

At each soil vapor sampling location, a ¼ inch by 6-inch stainless steel slotted probe was attached to 0.25-inch Teflon tubing and inserted into the direct-push boring, the subsurface annular space was filled with #00 washed silica up to three (3) inches below ground surface, an annular seal of powdered bentonite completed the seal to ground surface. At least three (3) tubing and sample probe volumes were purged from the temporary sample points prior to the collection of each sample.

After soil vapor point installation and prior to sample collection, an enclosure was placed over the sealed borehole. The enclosure was purged with helium gas and a helium detector was used to verify the integrity of the ground surface-tubing seal. After the seal integrity was verified by the absence of helium tracer gas, the tubing was connected to a laboratory-supplied vacuum canister and a sample collected. The flow rate was calibrated at the laboratory to a rate of approximately 200 ml/min. Each soil vapor sample was collected over a period of approximately ten (10) minutes. After sample collection, the vapor point was removed and the ground surface repaired to match surrounding conditions.

The soil gas samples were collected in 2.7-liter summa canisters. Each canister was individually checked, tested, and certified by the laboratory for air tightness and proper vacuum prior to shipping. Prior to sampling, a vacuum gauge attached to each regulator was used to measure and record the initial summa canister negative vacuum pressure. Once sampling was complete, each summa canister valve was shut tightly while maintaining a slight negative vacuum prior to sealing.

4.3 Monitoring Well Installation

On September 29, 2015, one (1) permanent groundwater monitoring well (MW-3) was installed by Foresight Enviroprobe in the center of the subject property to the top of bedrock, a total depth of 27 ft-bgs (Figure 2). The permanent monitoring well borehole was advanced using hollow-stem auger and air rotary drilling techniques. Soils were continuously logged and field screened using a calibrated photoionization detector (PID) for evidence of impacts from ground surface to the final depth of the monitoring well.

On October 9, 2015, and October 25, 2015, four (4) additional permanent groundwater monitoring wells (MW-1D, MW-2, MW-4, and MW-5) were installed by Aquifer Drilling and Testing (ADT) (Figure 2). The permanent monitoring well boreholes were advanced using sonic drilling techniques. Soils were continuously logged and field screened using a calibrated photoionization detector (PID) for evidence of impacts from ground surface to the final depth of each monitoring well.

The permanent monitoring wells were constructed of threaded, flush mount schedule 40 PVC installed to a depth of 18-35 ft-bgs. The specific well installation depths were as follows:

- Monitoring well (MW)-1D was installed north of the subject property on the sidewalk of West 25th Street into bedrock to a total depth of 35 ft-bgs (17 feet into competent bedrock).
- MW-2 was installed north of the subject property on the sidewalk of West 25th Street to the top of bedrock, a total depth of 18 ft-bgs.
- MW-4 was installed southwest of the subject property on the sidewalk of West 24th Street to the top of bedrock, a total depth of 23 ft-bgs.
- MW-5 was installed southeast of the subject property on the sidewalk of West 24th Street to the top of bedrock, a total depth of 25 ft-bgs

Upon completion of the well boreholes, 10-15 feet of 2-inch diameter PVC, 0.010-slotted well screen was installed to the base of the borehole. The well was extended to ground surface using 2-inch diameter solid PVC riser pipe. A silica sand filter pack was placed from the base of the borehole to approximately two (2) feet above the top of the screened interval. Bentonite chips were placed above the sand pack to approximately six (6) inches below ground surface to prevent downward infiltration of surface water. A flush-mount casing/lid and concrete pad was installed to complete the well at ground surface, and the PVC well casing was secured with a lockable cap. The top of the PVC casing for each well was surveyed to a benchmark on site to facilitate evaluation of groundwater surface elevations and flow direction.

Following their completion, the permanent monitoring wells were developed. Well purging was performed using a pump until at least 10 casing volumes were removed and the water was relatively free of turbidity.

During well installation activities a fill port and vent pipe usually associated with a UST were identified west of the subject property, approximately (15) fifteen feet west of MW-4. The location of the apparent fill port is depicted on the property survey (Appendix 1). The fill and vent port appeared consistent with a petroleum-related UST. However, there was no information provided in the Merritt Phase I ESA (Appendix 3) or Partner Phase I ESA (Appendix 5) regarding the contents or status of a UST in this area.

4.4 Monitoring Well Sampling

On October 28, 2015, five (5) groundwater samples were collected from MW-1D through MW-5. Prior to collecting groundwater samples, the monitoring wells were gauged for groundwater depth using a decontaminated oil-water interface probe. No non-aqueous phase liquid (NAPL) was detected in the monitoring wells. Groundwater samples were collected from each well using low flow sampling techniques by dedicated polyethylene tubing and a peristaltic pump. During purging, groundwater field parameters including pH, specific conductivity, temperature, turbidity, and dissolved oxygen were measured using a calibrated water quality meter equipped with a flow-through cell. Analytical samples were collected when water quality parameter measurements had stabilized.

Appropriate QA/QC samples were collected for the groundwater sampling event including one trip blank and one field duplicate sample. Subsequent to sample collection, the groundwater samples were placed in an ice-filled shipping cooler, and transported under chain-of-custody to a NY-certified analytical laboratory.

4.5 Laboratory Analyses

The soil, soil gas and groundwater samples were labeled and placed in a cooler with ice following sampling. The samples were transferred under appropriate chain-of-custody documentation to Alpha Laboratories of Westborough, Massachusetts, a New York-accredited laboratory. Laboratory analytical documentation is provided in Appendix 11. Laboratory analysis of the samples consisted of the following:

Soil Samples AEI-SB1 to AEI-SB8 and MW-3:

- Pesticides/PCBs by EPA Method 8081/8082
- Target Analyte List metals by EPA Method 6010 and 7471

Soil Sample AEI-SB6:

- Additionally analyzed for Volatile Organic Compounds (VOCs) via EPA Method 8260
- Additionally analyzed for Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270

Soil Gas Samples AEI-SG1 to AEI-SG5:

- Volatile Organic Compounds (VOCs) via USEPA Method TO-15

Groundwater Samples MW-1D to MW-5:

- Volatile Organic Compounds (VOCs) via EPA Method 8260
- Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270
- Pesticides/PCBs by EPA Method 8081/8082
- Target Analyte List metals by EPA Method 6010 and 7471

4.6 Investigation Derived Waste/Boring Abandonment

Following completion of sample collection, the soil borings were backfilled with the drilling cuttings and hydrated bentonite chips. The borings were generally completed at the surface with soil. Monitoring wells installed in the sidewalk were finished with concrete to match the

surrounding sidewalk surface. Groundwater purged during well development was discharged to ground surface within the limits of the subject property.

5.0 Environmental Evaluation

5.1 Geological and Hydrogeological Conditions

According to information obtained from the US Geological Survey (USGS), the area surrounding the subject property is underlain by metamorphic deposits of the Paleozoic-era. Based on a review of the United States Department of Agriculture (USDA) Soil Survey for the area of the subject property, the soils in the vicinity of the subject property are classified as Urban land. Soils from this series are characterized as soil types that have been so substantially altered by human activity that less than 15 percent of the original characteristics remain.

Stratigraphy

The upper stratum is a miscellaneous urban/historic fill with thicknesses ranging from approximately 5 to 10 feet and is comprised of sand, silt, and gravel with asphalt, bricks, ash, wood and concrete fragments. The fill material is underlain by about 10 to 15 feet of grey to tan medium sand. The fill and sand is underlain by mica schist bedrock, encountered around 15 to 20 feet below grade in most locations. For a more detailed stratigraphy, see Appendix 10.

Hydrogeology

Depth to groundwater was observed between approximately 12.5 and 15.8 ft-bgs in the five (5) permanent wells. Based on the October 28, 2015, survey results and depth to groundwater measurements, groundwater in the overburden unit appears to flow from the north to the south across the subject property. A potentiometric groundwater surface map for the overburden unit is provided as Figure 3.

5.2 Soil Sample Analytical Results

The following is a summary of the analytical test results for metals, VOCs, SVOCs, and PCBs/pesticides performed on samples collected during remedial investigation activities conducted in May 2015 and September 2015. This information has also been summarized in Table 1. Although Table 1 includes a comparison of the results to the NYSDEC's most-stringent Soil Cleanup Objectives (SCO) (i.e., Unrestricted SCOs), the discussion below focuses on comparison to the NYSDEC SCOs appropriate for the current and future use of the subject property (i.e., Commercial-restricted SCOs).

Full analytical data reports are included in Appendix 11.

Total Metals

Figure 4 illustrates the distribution of metals detected at the subject property. The concentrations of most metals were generally similar at all depths and locations sampled, which is consistent with the presence of urban/historic fill. Arsenic, Barium, Cadmium, Copper, and Lead exceeded their respective New York State Department of Conservation (NYSDEC) Commercial Soil Cleanup Objective (SCO) at boring location AEI SB8 (10.5-11). No other metals were detected above their respective NYSDEC Commercial SCO.

Organochlorine Pesticides (Pesticides)

Figure 4 illustrates the distribution of pesticides detected at the subject property. No Pesticides were detected above their respective NYSDEC Commercial SCO.

Polychlorinated Biphenyls (PCBs)

Figure 4 illustrates the distribution of PCBs detected at the subject property. No PCBs were detected above their respective NYSDEC Commercial SCO.

Semi Volatile Organic Compounds (SVOCs)

Figure 4 illustrates the distribution of SVOCs detected at the subject property. No SVOCs were detected above their respective NYSDEC Commercial SCO.

Volatile Organic Compounds (VOCs)

Figure 5 illustrates the distribution of VOCs detected at the subject property.

- Xylenes and 1,2,4-Trimethylbenzene exceeded their respective NYSDEC Commercial SCO at AEI SB6 (16-16.5).
- No other VOCs were detected above their respective NYSDEC Commercial SCO.

Copies of the laboratory analytical results report and Chain of Custody documentation are located in Appendix 11.

5.3 Soil Gas Sample Analytical Results

Two (2) soil gas samples were collected at approximately five (5) ft-bgs ("shallow") at locations AEI-SG4 and AEI-SG5 , and five (5) soil gas samples were collected approximately 10-20 ft-bgs ("deeper") from AEI-SG1 to AEI-SG5 in accordance with the RI Work Plan.

The following information is a summary of the soil vapor sample analytical test results (Appendix 11). This information has also been included in Table 2 and illustrated along with the sample locations on Figure 6.

Shallow Soil Gas Sample Results

- No VOCs were detected above their respective Environmental Protection Agency (EPA) Vapor Intrusion Screening Levels (VISL) for Commercial use.

Deep Soil Gas Sample Results

Several petroleum-related VOCs were detected in the deeper soil gas samples collected at depths near the water table surface.

- N-Hexane was detected above the respective EPA VISL for commercial use of 100,000 ug/m^3 at all five (5) deep soil gas locations, between 849,000 ug/m^3 and 6,870,000 ug/m^3
- Benzene was detected above the respective EPA VISL for commercial use of 52 ug/m^3 at all five (5) deep soil gas locations, between 4,630 ug/m^3 and 434,000 ug/m^3
- Cyclohexane was detected above the respective EPA VISL for commercial use of 880,000 ug/m^3 at three (3) deep soil gas locations, between 960,000 ug/m^3 and 2,610,000 ug/m^3
- Toluene was detected above the respective EPA VISL for commercial use of 730,000 ug/m^3 at two (2) deep soil gas locations, between 1,060,000 ug/m^3 and 1,270,000 ug/m^3
- Ethylbenzene was detected above the respective EPA VISL for commercial use of 160 ug/m^3 at all five (5) deep soil gas locations, between 9,990 ug/m^3 and 233,000 ug/m^3
- p/m-Xylene was detected above the respective EPA VISL for commercial use of 15,000 ug/m^3 at all five (5) deep soil gas locations, between 16,400 ug/m^3 and 747,000 ug/m^3
- o-Xylene was detected above the respective EPA VISL for commercial use of 15,000 ug/m^3 at four (4) deep soil gas locations, between 31,800 ug/m^3 and 148,000 ug/m^3
- No other VOC exceeded their respective EPA VISL for commercial use

The analytical results are generally consistent with soil field screening PID results. As depicted on the soil boring logs (Appendix 10), elevated PID readings were generally not observed in the top 10 feet of soil. However, as confirmed by the laboratory analytical results, soils deeper than approximately 10 ft-bgs generally exhibited elevated PID readings.

5.4 Groundwater Sample Analytical Results

The following information is a summary of the permanent monitoring wells sampled one week after installation. Groundwater sample analytical test results are included as Appendix 9. This information has also been included in Table 3 and illustrated along with their respective sample locations on Figure 7 and Figure 8. Temporary well point data from the May 2015 RI are also included in Figure 7 and Figure 8; however, detailed results for the temporary well points are summarized in the previous RIs (Appendix 7 and Appendix 8).

Total Metals

The following compounds exceed their respective NYS GQS:

- Aluminum in MW-4 at 5,670 ug/l
- Antimony in MW-4 at 8.7 ug/l
- Iron in all five (5) wells between 5,120 ug/l and 16,900 ug/l
- Lead in MW-4 at 87.4 ug/l
- Magnesium in all five (5) wells between 41,600 ug/l and 76,800 ug/l
- Manganese in three (3) wells between 3,050 ug/l and 3,641 ug/l
- Selenium in two (2) wells between 41 ug/l and 42 ug/l
- Thallium in MW-1D at 1.2 ug/l

The concentrations for the various Metals exceeding their respective NYSDEC GWQS are consistent in the 5 wells across the subject property, and consistent with groundwater concentrations in other areas of Manhattan. Elevated Metals concentrations are known to be a regional issue in Manhattan due to the large amount of urban/historic fill present.

Organochlorine Pesticides (Pesticides)

- Chlordane was detected above the respective NYSDEC GWQS in MW-2 at 0.26 ug/l

Polychlorinated Biphenyls (PCBs)

- No PCBs were detected above their respective NYSDEC GWQS.

Semi Volatile Organic Compounds (SVOCs)

The following compounds exceed their respective NYSDEC GWQS:

- 2,4-Dimethylphenol in MW-3 at 26 ug/l
- Phenol in MW-3 and MW-4 between 11 ug/l and 26 ug/l
- 2-Methylphenol in MW-3 at 32 ug/l
- Naphthalene in three (3) wells between 60 ug/l and 85 ug/l

The up-gradient well located north of the subject property (MW-2) and the up-gradient bedrock well (MW-1D) located north of the subject property show low concentrations for most SVOCs, none of which exceed their respective NYSDEC GWQS. Meanwhile the concentrations of the SVOCs which exceed their respective NYSDEC GWQS are highest on the subject property and downgradient, which suggest the groundwater is impacted by the historic fill and releases on the subject property.

Volatile Organic Compounds (VOCs)

The following compounds exceed their respective NYSDEC GWQS:

- Chloroform in MW-5 at 8.4 ug/l
- Benzene in all five (5) wells between 7.3 ug/l and 3,000 ug/l
- Toluene in three (3) wells between 100 ug/l and 2,100 ug/l
- Ethylbenzene in three (3) wells between 440 ug/l and 550 ug/l
- Methyl tertiary butyl ether (MTBE) in two (2) wells at 30 ug/l in the up-gradient wells
- p/m-Xylene in three (3) wells between 600 ug/l and 1,800 ug/l

- o-Xylene in three (3) wells between 53 ug/l and 730 ug/l
- Xylenes in three (3) wells between 650 ug/l and 2,500 ug/l
- Acetone in three (3) wells between 71 ug/l and 650 ug/l
- n-Butylbenzene in MW-5 at 16 ug/l
- sec-Butylbenzene in MW-5 at 6 ug/l
- Isopropylbenzene in two (2) wells between 51 ug/l and 54 ug/l
- p-Isopropyltoluene in MW-5 at 12 ug/l
- Naphthalene in three (3) wells between 130 ug/l and 180 ug/l
- n-Propylbenzene in three (3) wells between 62 ug/l and 89 ug/l
- 1,3,5-Trimethylbenzene in three (3) wells between 100 ug/l and 200 ug/l
- 1,2,4-Trimethylbenzene in three (3) wells between 260 ug/l and 640 ug/l
- 1,2,4,5-Tetramethylbenzene in MW-5 at 27 ug/l

With the exception of petroleum-related VOCs Benzene and MTBE, no VOCs were detected above the respective NYSDEC GWQS in the up-gradient wells (MW 1D & MW-2). The presence of MTBE in both upgradient monitoring wells MW-1D and MW-2 suggest a potential off-site petroleum source migrating onto the property. Concentrations of the VOCs were highest in MW-3 (located immediately downgradient of the suspected petroleum “source” area). Similar VOCs were detected at lower concentrations in monitoring wells MW-4 and MW-5, located downgradient of MW-3.

Copies of the laboratory analytical results report and Chain of Custody documentation are located in Appendix 11.

6.0 Summary and Conclusions

AEI has prepared this RI report to further delineate impacts associated with suspected releases from gasoline USTs historically present at the subject property. Benzene and other VOCs were reported in the soil and groundwater during investigations completed in May 2015. The NYSDEC subsequently requested additional soil, groundwater, and soil gas sampling.

Eighteen (18) soil samples were collected from nine (9) soil borings as part of the investigation at the subject property. Several VOCs, SVOCs, and Metals were detected in soil samples above the compounds' respective NYSDEC SCO, as illustrated on Table 1, Figure 4 and Figure 5. The relatively uniform distribution and concentration of Metals and many SVOCs are consistent with the presence of "background" contaminants typical of urban/historic fill known to be present in the vicinity of the subject property.

Seven (7) soil gas samples were collected from five (5) soil borings as part of the investigation at the subject property. Several VOCs were detected in soil gas samples at concentrations greater than the compounds' respective NYSDEC SCO, as illustrated on Table 2 and Figure 6. Elevated VOC concentrations were generally present in the deeper soil gas samples, which were collected near the groundwater surface.

Five (5) groundwater samples were collected from five (5) MWs installed as part of the investigation at the subject property. Several VOCs, SVOCs, metals and one pesticide were detected in groundwater samples at concentrations greater than the compound's respective NYSDEC GQS. The results of the groundwater investigation at the subject property indicated the petroleum-related VOCs such as benzene, toluene, ethylbenzene, and xylene from the suspected UST source area in the northeast portion of the property have migrated from north to south in the direction of groundwater flow. The concentration of several petroleum-related VOCs exceed their respective NYSDEC GQS at on-site monitoring well MW-3, located near the suspected source area, and MW-4 and MW-5 located just south of the subject property. The VOC MTBE, a common petroleum fuel additive, was detected at elevated concentrations in the upgradient, off-site monitoring wells MW-1D and MW-2, whereas MTBE was not detected at other monitoring wells. This finding suggests that the upper bedrock groundwater may have been impacted by an off-site, upgradient petroleum source. The presence of at least one UST

just outside the southwest corner of the subject property (near MW-4) also suggests potential off-site sources of petroleum VOCs are present immediately south of the subject property.

Data collected during the RI is sufficient to characterize the distribution of contaminants in soil, soil vapor and groundwater at the subject property. The data is also appropriate for its intended use to support design of a remedy that will be protective of human health and the environment, while supportive of the intended commercial redevelopment of the subject property. Data generated during the RI support the conclusion that there are no known impediments to implementing a remedy designed to achieve Track 2 Restricted Commercial Use SCOs throughout the subject property.

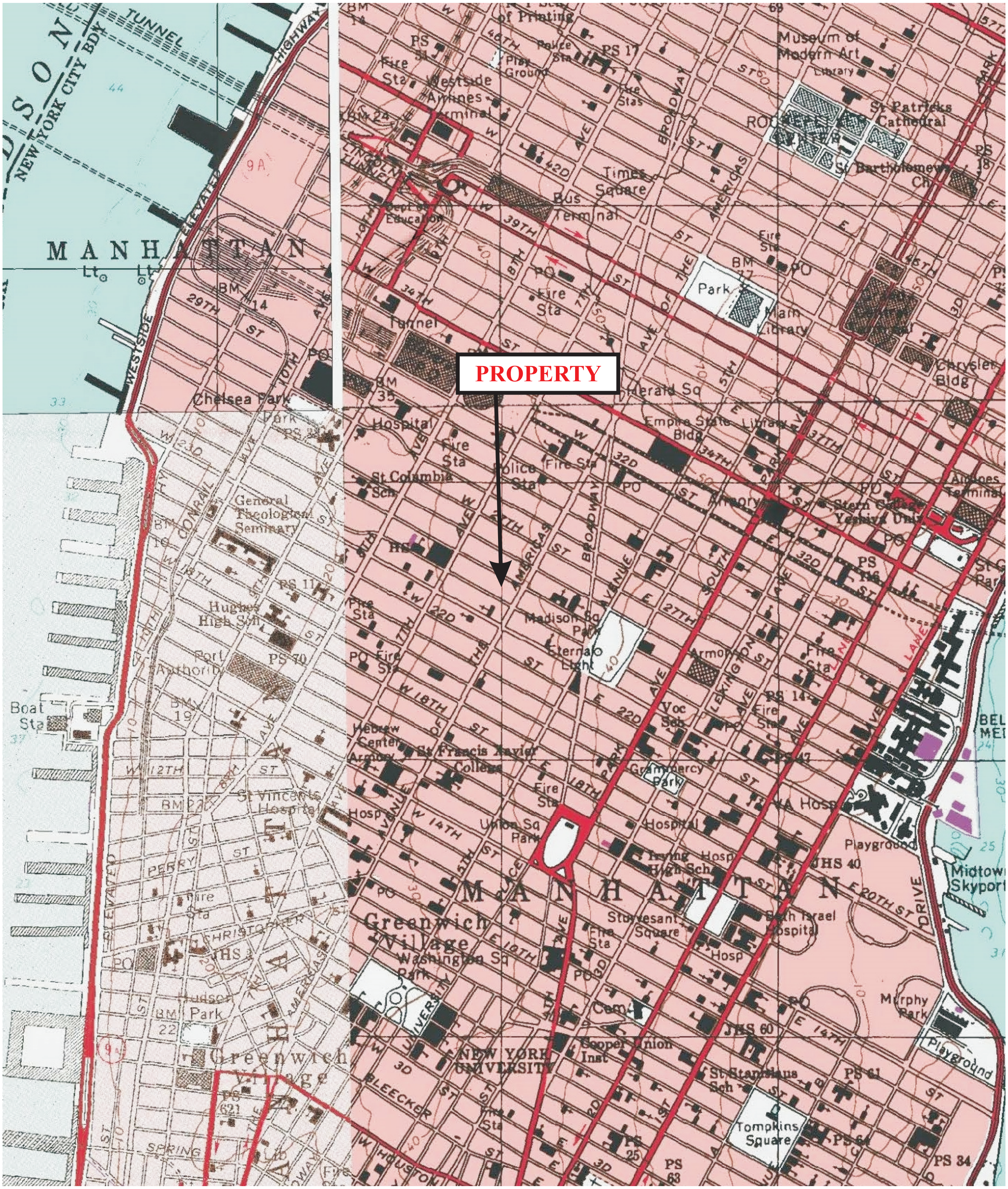
The tentative remedial actions will include:

1. Excavation and removal of soil/fill exceeding Track 2 Commercial SCOs down to native bedrock, or as needed for development purposes. For development purpose, the footprint of new building on Lot 49 will be excavated to a minimum depth corresponding to the top of bedrock, including the setback areas. A small portion of property will be excavated to the depths of 27 feet below grade in elevator pit areas. Approximately, 9,500 tons of soils will be excavated and removed from lot 49.
2. Footprint of building on Lot 50 will be similarly excavated to bedrock and/or a subgrade depth suitable for foundation support. The excavation and foundation designs for Lot 50 are currently being finalized as part of the building design for lot 50.
3. Following soil excavation, a chemical oxidant (i.e., activated persulfate or RegenOx®) would be applied to groundwater in the open excavation to destroy residual contaminants and enhance natural attenuation.
4. Performance of post excavation groundwater monitoring from three (3) shallow-zone and one (1) deep groundwater monitoring well for a minimum of eight (8) quarters to evaluate effective natural attenuation following removal of source material and application of chemical oxidants to address any residual contaminants. Samples will be collected in accordance with NYSDEC DER-10, and analyzed for Site-related VOCs via EPA Method 8260. Groundwater well numbers and sampling plan will be approved by NYSDEC prior to implementation. Quarterly monitoring results will be submitted to NYSDEC and OER.

5. Construction of an engineered composite cover consisting of an 8-12 inch thick concrete building slab with an 8-inch clean granular sub-base beneath all building areas, 4-inch poured concrete on a 6-inch sub-base in sidewalk areas, and two feet of clean soil in all open space and landscaped areas.
6. Installation of a vapor barrier system consisting of vapor barrier beneath the building slab and outside of sub-grade foundation sidewalls to mitigate soil vapor migration into the building. The vapor barrier system will consist of a 46-mil Preprufe 300R below the slab throughout the full building area and a 32-mil Preprufe 160R outside all sub-grade foundation sidewalls. All welds, seams and penetrations will be properly sealed to prevent preferential pathways for vapor migration. The vapor barrier system is an Engineering Control for the remedial action.
7. Installation of an sub-slab depressurization system (SSDS) consisting of a network of horizontal pipe set in the middle of a gas permeable layer immediately beneath the building slab and vapor barrier system.
8. Recording of a Declaration of Covenants and Restrictions that includes a listing of Engineering Controls and Institutional Controls and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

Additional details regarding the proposed remedial actions will be included in a Remedial Action Work Plan (RAWP) submitted to the OER/NYSDEC for approval.

FIGURES



LEGEND

Date: June 4, 2015
Source: USGS

N

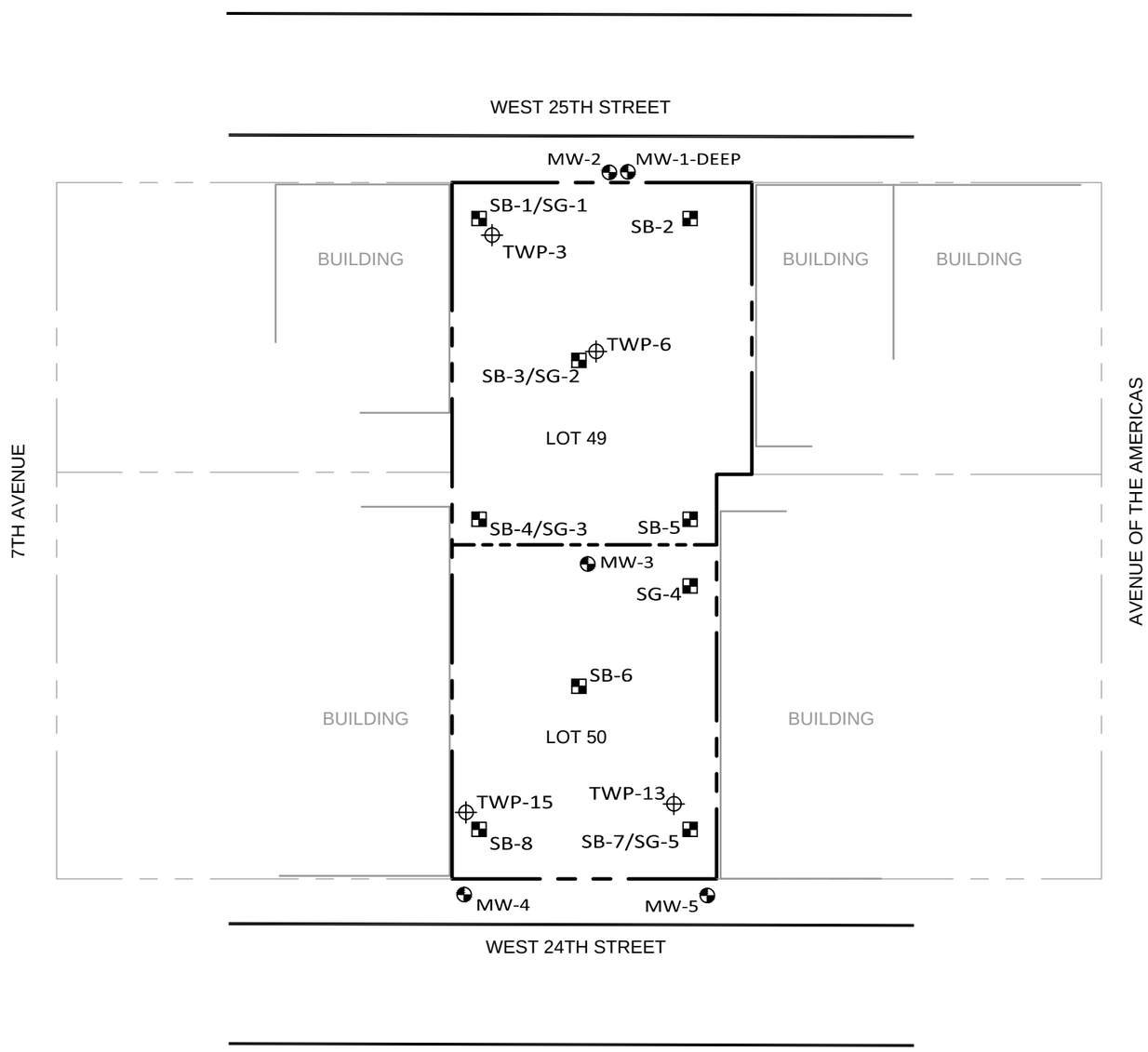
AEI CONSULTANTS

20 GIBSON PLACE FREEHOLD, NEW JERSEY 07728

SITE LOCATION MAP

112 West 25th Street
New York, New York 10001

FIGURE 1
Project No. 343443



LEGEND

- BOUNDARY
- MONITORING WELL LOCATION
- SOIL BORING LOCATION / SOIL GAS SAMPLE
- TEMPORARY WELL LOCATION

GRAPHIC SCALE

0 40 80

(IN FEET)

AEI Consultants

Environmental & Engineering Services

30 MONTGOMERY ST.
SUITE 220
JERSEY CITY, NJ 07302

DRAWING TITLE:

112 W 25TH STREET
NEW YORK, NEW YORK

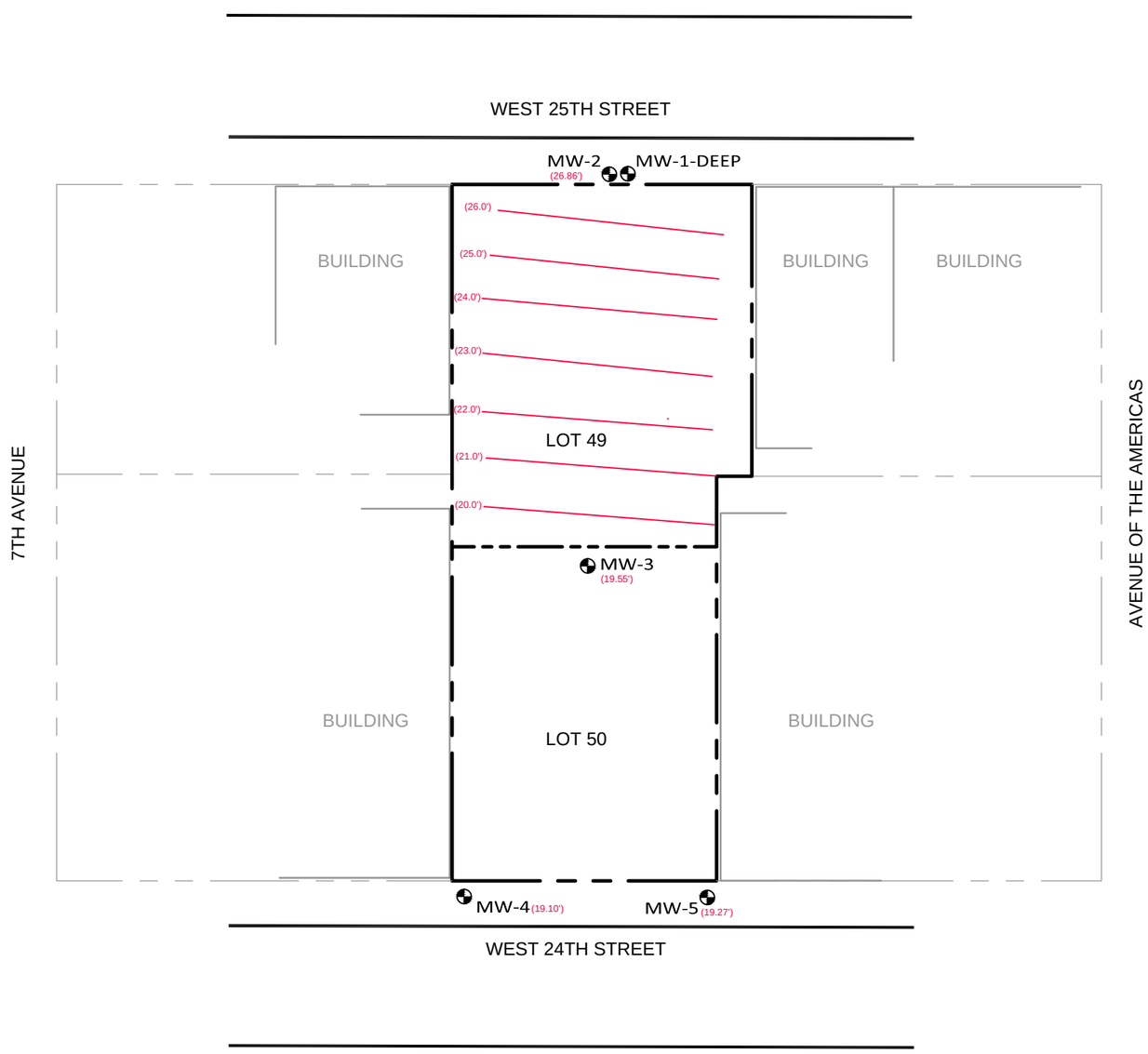
DRAWING TITLE:

BORING LOCATION PLAN

SEAL & SIGNATURE

DATE:	11/19/15
PROJECT NO:	343443
DWG BY:	JLB
CHK BY:	JB
DWG NO:	2
CAD FILE NO:	2 OF 8

343444 - BASE_SEPT-15-12282015



LEGEND

- BOUNDARY
- GROUNDWATER ELEVATION CONTOUR
- MONITORING WELL
- (20.00') GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)

GRAPHIC SCALE

0 40 80

(IN FEET)

AEI Consultants

Environmental & Engineering Services

30 MONTGOMERY ST.
SUITE 220
JERSEY CITY, NJ 07302

DRAWING TITLE:

112 W 25TH STREET
NEW YORK, NEW YORK

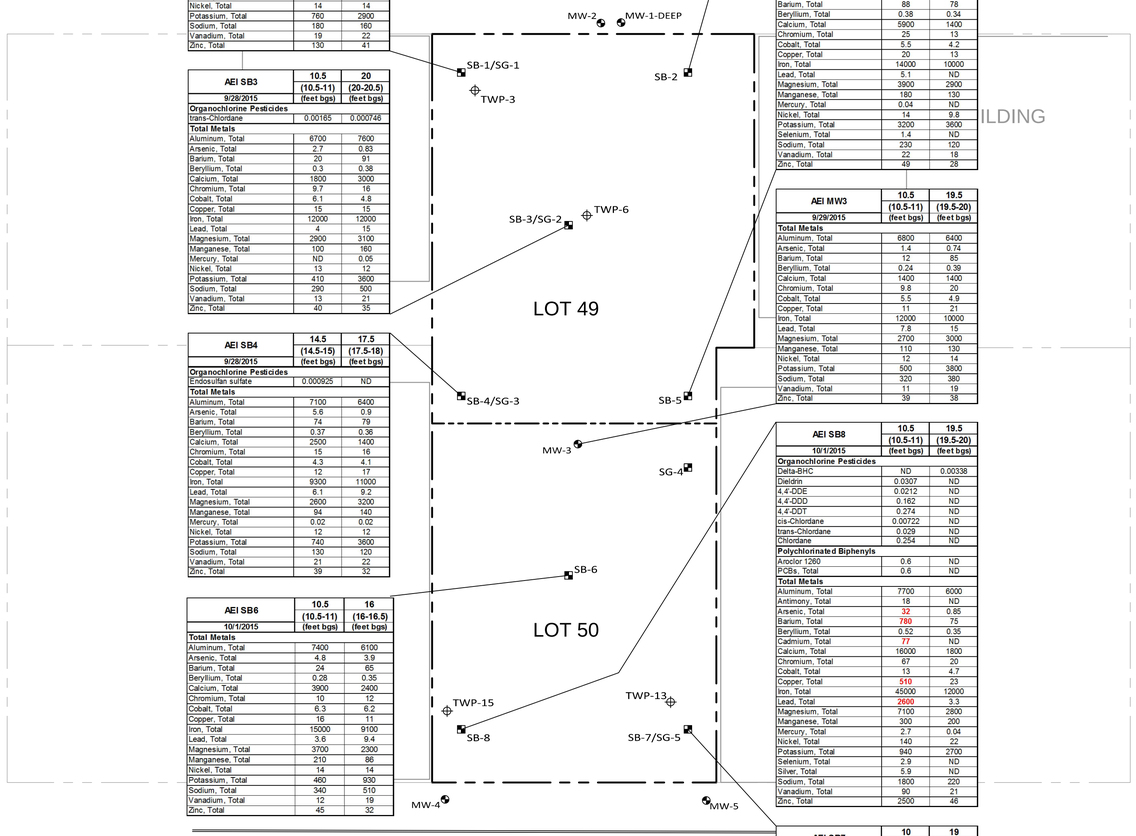
DRAWING TITLE:

OVERBURDEN GROUNDWATER CONTOUR MAP

SEAL & SIGNATURE

DATE:	11/19/15
PROJECT NO:	343443
DWG BY:	JLB
CHK BY:	JB
DWG NO:	3
CAD FILE NO:	3 OF 8

343444 - BASE_SEPT-15-12282015



AEI SB2	10.5 (10.5-11) (feet bgs)	20 (20-20.5) (feet bgs)
9/30/2015		
Total Metals		
Aluminum, Total	8800	9300
Arsenic, Total	2.7	3.2
Barium, Total	110	92
Beryllium, Total	0.49	0.23
Calcium, Total	1800	2700
Chromium, Total	24	18
Cobalt, Total	6.6	8.9
Copper, Total	35	20
Iron, Total	14000	17000
Magnesium, Total	4600	5500
Manganese, Total	160	240
Mercury, Total	ND	0.04
Nickel, Total	18	18
Potassium, Total	4600	7000
Sodium, Total	380	300
Vanadium, Total	23	20
Zinc, Total	40	53

AEI SB1	10.5 (10.5-11) (feet bgs)	19 (19-19.5) (feet bgs)
9/28/2015		
Organochlorine Pesticides		
trans-Chlordane	0.0012	ND
Total Metals		
Aluminum, Total	7400	7500
Arsenic, Total	3.2	1.4
Barium, Total	58	80
Beryllium, Total	0.33	0.4
Calcium, Total	16000	2000
Chromium, Total	12	23
Cobalt, Total	5.1	6.3
Copper, Total	16	16
Iron, Total	11000	12000
Lead, Total	31	5.6
Magnesium, Total	4000	3000
Manganese, Total	180	140
Mercury, Total	0.11	ND
Nickel, Total	14	14
Potassium, Total	760	2900
Sodium, Total	180	160
Vanadium, Total	19	22
Zinc, Total	130	41

AEI SB3	10.5 (10.5-11) (feet bgs)	20 (20-20.5) (feet bgs)
9/28/2015		
Organochlorine Pesticides		
trans-Chlordane	0.00165	0.000748
Total Metals		
Aluminum, Total	6700	7600
Arsenic, Total	2.7	0.83
Barium, Total	20	91
Beryllium, Total	0.3	0.38
Calcium, Total	1800	3000
Chromium, Total	9.7	16
Cobalt, Total	6.1	4.8
Copper, Total	15	15
Iron, Total	12000	12000
Lead, Total	4	15
Magnesium, Total	2900	3100
Manganese, Total	100	160
Mercury, Total	ND	0.05
Nickel, Total	13	12
Potassium, Total	410	3600
Sodium, Total	290	500
Vanadium, Total	13	21
Zinc, Total	40	35

AEI SB4	14.5 (14.5-15) (feet bgs)	17.5 (17.5-18) (feet bgs)
9/28/2015		
Organochlorine Pesticides		
Endosulfan sulfate	0.000925	ND
Total Metals		
Aluminum, Total	7100	6400
Arsenic, Total	5.6	0.9
Barium, Total	74	79
Beryllium, Total	0.37	0.36
Calcium, Total	2500	1400
Chromium, Total	15	16
Cobalt, Total	4.3	4.1
Copper, Total	12	17
Iron, Total	9300	11000
Lead, Total	6.1	9.2
Magnesium, Total	2600	3200
Manganese, Total	94	140
Mercury, Total	0.02	0.02
Nickel, Total	12	12
Potassium, Total	740	3600
Sodium, Total	130	120
Vanadium, Total	21	22
Zinc, Total	39	32

AEI SB6	10.5 (10.5-11) (feet bgs)	16 (16-16.5) (feet bgs)
10/1/2015		
Total Metals		
Aluminum, Total	7400	6100
Arsenic, Total	4.8	3.9
Barium, Total	24	65
Beryllium, Total	0.28	0.35
Calcium, Total	3900	2400
Chromium, Total	10	12
Cobalt, Total	6.3	6.2
Copper, Total	16	11
Iron, Total	15000	9100
Lead, Total	3.6	9.4
Magnesium, Total	3700	2300
Manganese, Total	210	86
Nickel, Total	14	14
Potassium, Total	460	930
Sodium, Total	340	510
Vanadium, Total	12	19
Zinc, Total	45	32

AEI SB5	14 (14-14.5) (feet bgs)	20 (20-20.5) (feet bgs)
9/30/2015		
Organochlorine Pesticides		
Endosulfan sulfate	0.00073	ND
Total Metals		
Aluminum, Total	7700	5800
Arsenic, Total	4.7	2.3
Barium, Total	88	78
Beryllium, Total	0.38	0.34
Calcium, Total	5900	1400
Chromium, Total	25	13
Cobalt, Total	5.5	4.2
Copper, Total	20	13
Iron, Total	14000	10000
Lead, Total	5.1	ND
Magnesium, Total	3900	2900
Manganese, Total	180	130
Mercury, Total	0.04	ND
Nickel, Total	14	9.8
Potassium, Total	3200	3600
Selenium, Total	1.4	ND
Sodium, Total	230	120
Vanadium, Total	22	18
Zinc, Total	49	28

AEI MW3	10.5 (10.5-11) (feet bgs)	19.5 (19.5-20) (feet bgs)
9/29/2015		
Total Metals		
Aluminum, Total	6800	6400
Arsenic, Total	1.4	0.74
Barium, Total	12	85
Beryllium, Total	0.24	0.39
Calcium, Total	1400	1400
Chromium, Total	9.8	20
Cobalt, Total	5.5	4.9
Copper, Total	11	21
Iron, Total	12000	10000
Lead, Total	7.8	15
Magnesium, Total	2700	3000
Manganese, Total	110	130
Nickel, Total	12	14
Potassium, Total	500	3800
Sodium, Total	320	380
Vanadium, Total	11	19
Zinc, Total	39	38

AEI SB8	10.5 (10.5-11) (feet bgs)	19.5 (19.5-20) (feet bgs)
10/1/2015		
Organochlorine Pesticides		
Delta-BHC	ND	0.00338
Dieldrin	0.0307	ND
4,4'-DDE	0.0212	ND
4,4'-DDD	0.162	ND
4,4'-DDT	0.274	ND
cis-Chlordane	0.00722	ND
trans-Chlordane	0.029	ND
Chlordane	0.254	ND
Polychlorinated Biphenyls		
Aroclor 1260	0.6	ND
PCBs, Total	0.6	ND
Total Metals		
Aluminum, Total	7700	6000
Antimony, Total	18	ND
Arsenic, Total	32	0.85
Barium, Total	780	75
Beryllium, Total	0.52	0.35
Cadmium, Total	77	ND
Calcium, Total	16000	1800
Chromium, Total	67	20
Cobalt, Total	13	4.7
Copper, Total	510	23
Iron, Total	45000	12000
Lead, Total	2600	3.3
Magnesium, Total	7100	2800
Manganese, Total	300	200
Mercury, Total	2.7	0.04
Nickel, Total	140	22
Potassium, Total	940	2700
Selenium, Total	2.9	ND
Silver, Total	5.9	ND
Sodium, Total	1800	220
Vanadium, Total	90	21
Zinc, Total	2500	46

AEI SB7	10 (10-10.5) (feet bgs)	19 (19-19.5) (feet bgs)
9/28/2015		
Organochlorine Pesticides		
Delta-BHC	0.00248	ND
Endosulfan sulfate	ND	0.000791
Total Metals		
Aluminum, Total	4200	6200
Arsenic, Total	1.1	2.4
Barium, Total	44	88
Beryllium, Total	0.23	0.32
Calcium, Total	1500	1700
Chromium, Total	11	17
Cobalt, Total	4	4
Copper, Total	11	14
Iron, Total	8400	10000
Lead, Total	6.2	9.3
Magnesium, Total	2300	3600
Manganese, Total	95	130
Nickel, Total	12	12
Potassium, Total	1000	2800
Sodium, Total	89	86
Vanadium, Total	14	19
Zinc, Total	22	35

LEGEND

- BOUNDARY
- MONITORING WELL LOCATION
- SOIL BORING LOCATION / SOIL GAS SAMPLE
- TEMPORARY WELL LOCATION

SAMPLE NAME		NYSDEC SCO Resticted Commercial
DATE		
Organochlorine Pesticides		
Delta-BHC	mg/kg	500
Aldrin	mg/kg	0.68
Dieldrin	mg/kg	1.4
4,4'-DDE	mg/kg	62
4,4'-DDD	mg/kg	92
4,4'-DDT	mg/kg	47
Endosulfan sulfate	mg/kg	200
cis-Chlordane	mg/kg	24
trans-Chlordane	mg/kg	NS
Chlordane	mg/kg	NS
Polychlorinated Biphenyls		
Aroclor 1260	mg/kg	1
PCBs, Total	mg/kg	NS
Semivolatile Organics		
Naphthalene	mg/kg	500
Biphenyl	mg/kg	NS
2-Methylnaphthalene	mg/kg	NS
Total Metals		
Aluminum, Total	mg/kg	NS
Antimony, Total	mg/kg	NS
Arsenic, Total	mg/kg	16
Barium, Total	mg/kg	400
Beryllium, Total	mg/kg	590
Cadmium, Total	mg/kg	9.3
Calcium, Total	mg/kg	NS
Chromium, Total	mg/kg	NS
Cobalt, Total	mg/kg	NS
Copper, Total	mg/kg	270
Iron, Total	mg/kg	NS
Lead, Total	mg/kg	1000
Magnesium, Total	mg/kg	NS
Manganese, Total	mg/kg	10000
Mercury, Total	mg/kg	2.8
Nickel, Total	mg/kg	310
Potassium, Total	mg/kg	NS
Selenium, Total	mg/kg	1500
Silver, Total	mg/kg	1500
Sodium, Total	mg/kg	NS
Vanadium, Total	mg/kg	NS
Zinc, Total	mg/kg	10000
Volatile Organics		
Benzene	mg/kg	44
Toluene	mg/kg	500
Ethylbenzene	mg/kg	390
1,2-Dichlorobenzene	mg/kg	500
p/m-Xylene	mg/kg	NS
o-Xylene	mg/kg	NS
Xylenes, Total	mg/kg	500
Acetone	mg/kg	500
n-Butylbenzene	mg/kg	500
sec-Butylbenzene	mg/kg	500
Isopropylbenzene	mg/kg	NS
p-Isopropyltoluene	mg/kg	NS
Naphthalene	mg/kg	500
n-Propylbenzene	mg/kg	500
1,3,5-Trimethylbenzene	mg/kg	190
1,2,4-Trimethylbenzene	mg/kg	190
p-Diethylbenzene	mg/kg	NS
p-Ethyltoluene	mg/kg	NS
1,2,4,5-Tetramethylbenzene	mg/kg	NS

Notes:
mg/kg milligrams per kilogram
bgs below ground surface
ND non detect
NS No Standard/Objective
BOLD Exceeds respective NYSDEC SCO Restriced Commercial

GRAPHIC SCALE
0 20 40
(IN FEET)

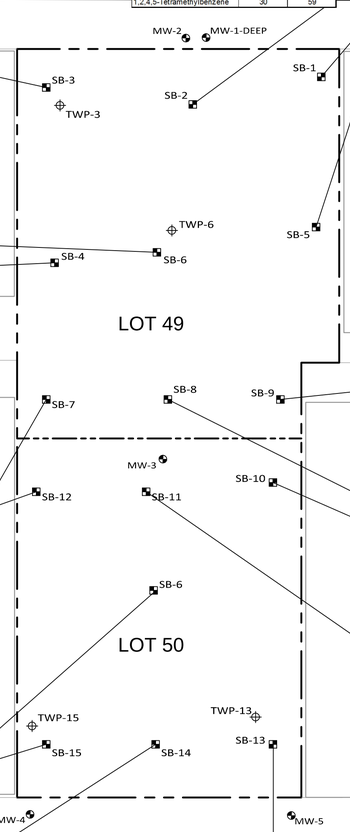
AEI Consultants
Environmental & Engineering Services
30 MONTGOMERY ST.
SUITE 220
JERSEY CITY, NJ 07302

DRAWING TITLE:
112 W 25TH STREET
NEW YORK, NEW YORK

DRAWING TITLE:
SOIL RESULTS
METALS / PCB / PESTICIDES
SEPTEMBER 2015

SEAL & SIGNATURE

DATE:	11/19/15
PROJECT NO:	343443
DWG BY:	JLB
CHK BY:	JB
DWG NO:	4
CAD FILE NO:	4 OF 8
343444 - BASE_SEPT-15-12282015	



AEI SB-3 (11.0-11.5)	11 (11.0-11.5) (feet bgs)	19.5 (19.5-20.0) (feet bgs)
5/13/2015		
Semivolatile Organics		
Naphthalene	ND	27
Biphenyl	ND	0.37
2-Methylnaphthalene	ND	26
Total Metals		
Lead, Total	-	3
Volatile Organics by 8260/5035		
Benzene	0.00034	ND
Toluene	0.0034	1.8
Ethylbenzene	0.0041	28
p/m-Xylene	0.017	210
o-Xylene	0.0068	64
Xylenes, Total	0.024	270
Acetone	0.01	ND
1,2,3-Trichloropropane	ND	2.8
n-Butylbenzene	0.00033	16
sec-Butylbenzene	ND	4.6
tert-Butylbenzene	ND	0.24
Isopropylbenzene	0.00051	7.8
p-Isopropyltoluene	ND	3.9
n-Propylbenzene	0.0013	29
1,3,5-Trimethylbenzene	0.0028	66
1,2,4-Trimethylbenzene	0.011	300
p-Diethylbenzene	0.0025	120
p-Ethyltoluene	0.0072	230
1,2,4,5-Tetramethylbenzene	0.001	26

AEI SB-2	11.5 (11.5-12.0) (feet bgs)	20.5 (20.5-21.0) (feet bgs)
5/13/2015		
Semivolatile Organics		
Naphthalene	3.1	ND
Phenanthrene	ND	0.054
Biphenyl	0.072	0.29
2-Methylnaphthalene	3.1	1.6
Volatile Organics by 8260/5035		
Benzene	ND	0.81
Toluene	ND	0.49
Ethylbenzene	31	2.6
p/m-Xylene	68	0.68
o-Xylene	28	ND
Xylenes, Total	96	0.68
n-Butylbenzene	19	22
sec-Butylbenzene	5.4	8.3
Isopropylbenzene	11	5.7
p-Isopropyltoluene	4.2	5.9
n-Propylbenzene	39	29
1,3,5-Trimethylbenzene	12	ND
1,2,4-Trimethylbenzene	320	160
p-Diethylbenzene	48	18
p-Ethyltoluene	75	6.2
1,2,4,5-Tetramethylbenzene	30	59

AEI SB-1	10.5 (10.5-11.0) (feet bgs)
5/13/2015	
Total Metals	
Lead, Total	2.8

AEI SB-9 (14.0-14.5)	14 (14.0-14.5) (feet bgs)	20 (20.0-20.5) (feet bgs)
5/14/2015		
Semivolatile Organics		
Acenaphthene	8	ND
Fluoranthene	32	ND
Naphthalene	13	ND
Bis(2-Ethylhexyl)phthalate	0.46	ND
Benzo(a)anthracene	12	ND
Benzo(a)pyrene	12	ND
Benzo(b)fluoranthene	14	ND
Benzo(k)fluoranthene	4.6	ND
Chrysene	12	ND
Anthracene	14	ND
Benzo(ghi)perylene	6.3	ND
Fluorene	7.4	ND
Phenanthrene	45	ND
Dibenzo(a,h)anthracene	1.2	ND
Indeno(1,2,3-cd)Pyrene	6.8	ND
Pyrene	27	ND
Biphenyl	0.97	ND
Dibenzofuran	6	ND
2-Methylnaphthalene	4.6	0.81
2,4-Dimethylphenol	0.32	ND
Phenol	0.59	ND
2-Methylphenol	0.26	ND
3-Methylphenol/4-Methylpheno	0.88	ND
Carbazole	5.8	ND
Volatile Organics by 8260/5035		
Toluene	0.11	ND
Ethylbenzene	0.15	ND
p/m-Xylene	0.32	ND
o-Xylene	0.081	ND
Xylenes, Total	0.4	ND
Acetone	0.16	ND
n-Butylbenzene	0.23	0.036
sec-Butylbenzene	0.1	0.045
Isopropylbenzene	0.15	ND
p-Isopropyltoluene	0.2	ND
n-Propylbenzene	0.36	ND
1,3,5-Trimethylbenzene	0.98	0.037
1,2,4-Trimethylbenzene	2.4	0.09
p-Diethylbenzene	1.7	0.057
p-Ethyltoluene	0.84	0.048
1,2,4,5-Tetramethylbenzene	0.46	0.13

AEI SB-6	10.5 (10.5-11.0) (feet bgs)	20.5 (20.5-21.0) (feet bgs)
5/13/2015		
Semivolatile Organics		
Naphthalene	10	ND
Biphenyl	0.16	ND
2-Methylnaphthalene	10	ND
Volatile Organics by 8260/5035		
Benzene	0.84	0.0032
Toluene	8.7	0.0052
Ethylbenzene	24	0.022
p/m-Xylene	120	0.11
o-Xylene	28	0.022
Xylenes, Total	150	0.13
Acetone	0.63	0.0082
Carbon disulfide	ND	0.0028
1,2,3-Trichloropropane	1.3	ND
n-Butylbenzene	6.5	0.0061
sec-Butylbenzene	2.1	0.0016
Isopropylbenzene	4.3	0.0076
p-Isopropyltoluene	2	0.0021
n-Propylbenzene	14	0.021
1,3,5-Trimethylbenzene	30	0.027
1,2,4-Trimethylbenzene	110	0.16
p-Diethylbenzene	36	0.032
p-Ethyltoluene	73	0.06
1,2,4,5-Tetramethylbenzene	10	0.012

AEI SB-5	11.5 (11.5-12.0) (feet bgs)
5/13/2015	
Semivolatile Organics	
Biphenyl	0.09
Volatile Organics by 8260/5035	
Benzene	0.00029
Toluene	0.00082
p/m-Xylene	0.0049
o-Xylene	0.0021
Xylenes, Total	0.007
Carbon disulfide	0.0027
sec-Butylbenzene	0.15
Isopropylbenzene	0.036
p-Isopropyltoluene	0.055
n-Propylbenzene	0.2
1,2,4-Trimethylbenzene	0.046
p-Diethylbenzene	0.18
p-Ethyltoluene	0.008
1,2,4,5-Tetramethylbenzene	0.59
Volatile Organics by EPA 5035 High	
sec-Butylbenzene	0.24
p-Isopropyltoluene	0.081
n-Propylbenzene	0.16
1,2,4-Trimethylbenzene	0.066
1,4-Diethylbenzene	0.44
4-Ethyltoluene	0.039
1,2,4,5-Tetramethylbenzene	1.4

AEI SB-4	10 (10.0-10.5) (feet bgs)	19.5 (19.5-20.0) (feet bgs)
5/13/2015		
Volatile Organics by 8260/5035		
Benzene	0.0094	ND
Toluene	0.067	0.00034
Ethylbenzene	0.38	0.00031
p/m-Xylene	0.98	0.0013
o-Xylene	0.77	0.00032
Xylenes, Total	-	0.0016
Acetone	ND	0.0059
2-Butanone	ND	0.0013
n-Butylbenzene	0.036	ND
sec-Butylbenzene	0.021	ND
Isopropylbenzene	0.058	ND
p-Isopropyltoluene	0.019	ND
n-Propylbenzene	0.17	0.00024
1,3,5-Trimethylbenzene	0.5	0.00044
1,2,4-Trimethylbenzene	1.7	0.0012
p-Diethylbenzene	0.26	0.00044
p-Ethyltoluene	0.4	0.0013
1,2,4,5-Tetramethylbenzene	0.07	ND

AEI SB-7 (14.5-15.0)	14.5 (14.5-15.0) (feet bgs)
5/14/2015	
Semivolatile Organics	
2-Methylnaphthalene	0.13
Volatile Organics by 8260/5035	
Ethylbenzene	0.41
p/m-Xylene	1.8
o-Xylene	0.21
Xylenes, Total	2
n-Butylbenzene	4.3
sec-Butylbenzene	1.1
Isopropylbenzene	0.7
p-Isopropyltoluene	0.93
n-Propylbenzene	3.8
1,3,5-Trimethylbenzene	8.1
1,2,4-Trimethylbenzene	22
p-Diethylbenzene	24
p-Ethyltoluene	17
1,2,4,5-Tetramethylbenzene	7.2

AEI SB-8	9.5 (9.5-10.0) (feet bgs)	17.5 (17.5-18.0) (feet bgs)
5/14/2015		
Volatile Organics by 8260/5035		
Tetrachloroethene	0.0008	ND
Benzene	ND	0.36
Toluene	ND	2.1
Ethylbenzene	ND	0.86
p/m-Xylene	ND	3.5
o-Xylene	ND	1.2
Xylenes, Total	ND	4.7
Acetone	0.43	0.24
2-Butanone	0.0076	ND
n-Butylbenzene	ND	0.16
sec-Butylbenzene	ND	0.077
Isopropylbenzene	ND	0.14
p-Isopropyltoluene	ND	0.11
n-Propylbenzene	ND	0.35
1,3,5-Trimethylbenzene	ND	0.79
1,2,4-Trimethylbenzene	ND	2.2
p-Diethylbenzene	ND	0.99
p-Ethyltoluene	ND	1.7
1,2,4,5-Tetramethylbenzene	ND	0.22

AEI SB-12	11 (11.0-11.5) (feet bgs)	21 (21.0-21.5) (feet bgs)
5/15/2015		
Volatile Organics		
Tetrachloroethene	0.0004	ND
Benzene	ND	0.012
Toluene	0.0005	0.078
Ethylbenzene	0.00045	0.05
p/m-Xylene	0.0013	0.19
o-Xylene	0.00035	0.081
Xylenes, Total	0.0017	0.27
n-Butylbenzene	ND	0.0058
Isopropylbenzene	ND	0.0068
p-Isopropyltoluene	ND	0.0037
n-Propylbenzene	ND	0.016
1,3,5-Trimethylbenzene	0.00065	0.036
1,2,4-Trimethylbenzene	0.0015	0.1
p-Diethylbenzene	0.0005	0.031
p-Ethyltoluene	0.00067	0.067
1,2,4,5-Tetramethylbenzene	ND	0.0077

AEI SB6	10.5 (10.5-11) (feet bgs)	16 (16-16.5) (feet bgs)
10/1/2015		
Semivolatile Organics		
Naphthalene	ND	19
Biphenyl	ND	0.21
2-Methylnaphthalene	ND	16
Volatile Organics		
Benzene	0.0023	13
Toluene	0.012	160
Ethylbenzene	0.015	99
1,2-Dichlorobenzene	0.00022	17
p/m-Xylene	0.039	430
o-Xylene	0.011	140
Xylenes, Total	0.05	570
Acetone	0.06	34
n-Butylbenzene	0.00042	18
sec-Butylbenzene	0.00044	6.2
Isopropylbenzene	0.0021	17
p-Isopropyltoluene	0.00071	9.4
n-Propylbenzene	0.0045	44
1,3,5-Trimethylbenzene	0.012	100
1,2,4-Trimethylbenzene	0.034	290
p-Diethylbenzene	0.0061	110
p-Ethyltoluene	0.012	210
1,2,4,5-Tetramethylbenzene	0.0011	28

AEI SB-15	10 (10.0-10.5) (feet bgs)	19.5 (19.5-20.0) (feet bgs)
5/15/2015		
Semivolatile Organics		
Naphthalene	ND	0.46
Bis(2-Ethylhexyl)phthalate	0.062	ND
2-Methylnaphthalene	ND	0.4
Volatile Organics		
Tetrachloroethene	0.00049	ND
Toluene	0.00084	ND
Ethylbenzene	ND	23
p/m-Xylene	0.0011	14
o-Xylene	0.00054	0.41
Xylenes, Total	0.0016	14
Acetone	0.047	1.1
Carbon disulfide	0.0018	ND
2-Butanone	0.0063	ND
1,2,3-Trichloropropane	ND	0.82
n-Butylbenzene	ND	11
sec-Butylbenzene	ND	6
tert-Butylbenzene	ND	0.93
Isopropylbenzene	ND	11
p-Isopropyltoluene	0.0011	9.6
n-Propylbenzene	ND	25
1,3,5-Trimethylbenzene	0.001	18
1,2,4-Trimethylbenzene	0.0031	68
p-Diethylbenzene	ND	41
p-Ethyltoluene	0.0012	28
1,2,4,5-Tetramethylbenzene	0.00084	20

AEI SB-14	10 (10.0-10.5) (feet bgs)	19.5 (19.5-20.0) (feet bgs)
5/15/2015		
Semivolatile Organics		
Naphthalene	ND	1.7
2-Methylnaphthalene	ND	1.3
Volatile Organics		
Tetrachloroethene	0.0012	ND
Benzene	ND	0.67
Toluene	0.00033	22
Ethylbenzene	ND	13
p/m-Xylene	ND	57
o-Xylene	ND	20
Xylenes, Total	ND	77
Acetone	0.0018	0.96
1,2,3-Trichloropropane	ND	0.51
n-Butylbenzene	ND	1.8
sec-Butylbenzene	ND	0.89
Isopropylbenzene	ND	2.3
p-Isopropyltoluene	ND	1.4
n-Propylbenzene	ND	4.5
1,3,5-Trimethylbenzene	ND	12
1,2,4-Trimethylbenzene	ND	32
p-Diethylbenzene	ND	12
p-Ethyltoluene	ND	26
1,2,4,5-Tetramethylbenzene	ND	3

AEI SB-13	10.5 (10.5-11.0) (feet bgs)	18.5 (18.5-19.0) (feet bgs)
5/15/2015		
Semivolatile Organics		
Naphthalene	ND	6.4
Bis(2-Ethylhexyl)phthalate	ND	0.064
Biphenyl	ND	0.087
2-Methylnaphthalene	ND	6.8
Total Metals		
Lead, Total	NA	8
Volatile Organics		
Toluene	0.00046	11
Ethylbenzene	ND	33
p/m-Xylene	ND	110
o-Xylene	ND	49
Xylenes, Total	ND	160
n-Butylbenzene	ND	8.2
sec-Butylbenzene	ND	4.3
tert-Butylbenzene	ND	0.69
Isopropylbenzene	ND	9.9
p-Isopropyltoluene	ND	7.5
n-Propylbenzene	ND	19
1,3,5-Trimethylbenzene	ND	54
1,2,4-Trimethylbenzene	ND	140
p-Diethylbenzene	ND	65
p-Ethyltoluene	ND	110
1,2,4,5-Tetramethylbenzene	ND	16

AEI SB-11	10.5 (10.5-11.0) (feet bgs)	19.5 (19.5-20.0) (feet bgs)
5/15/2015		
Semivolatile Organics		
Acenaphthene	10	0.064
Fluoranthene	48	0.38
Naphthalene	16	0.49
Benzo(a)anthracene	17	0.13
Benzo(a)pyrene	14	0.12
Benzo(b)fluoranthene	17	0.14
Benzo(k)fluoranthene	6.4	0.056
Chrysene	16	0.12
Acenaphthylene	3.5	ND
Anthracene	17	0.11
Benzo(ghi)perylene	8.6	0.074
Fluorene	11	0.065
Phenanthrene	65	0.43
Dibenzo(a,h)anthracene	2	ND
Indeno(1,2,3-cd)Pyrene	8.9	0.072
Pyrene	41	0.31
Biphenyl	1.9	ND
Dibenzofuran	9.3	ND
2-Methylnaphthalene	6.9	0.094
Carbazole	6.7	0.052
Total Metals		
Lead, Total	NA	NA
Volatile Organics		
Benzene	ND	1.4
Toluene	0.00053	4.6
Ethylbenzene	0.00034	5.4
p/m-Xylene	0.00037	19
o-Xylene	ND	9.3
Xylenes, Total	0.00037	28
Acetone	ND	0.19
n-Butylbenzene	ND	0.36
sec-Butylbenzene	ND	0.16
Isopropylbenzene	ND	0.59
p-Isopropyltoluene	ND	0.18
n-Propylbenzene	ND	1.8
1,3,5-Trimethylbenzene	0.00034	4.1
1,2,4-Trimethylbenzene	0.0008	13
p-Diethylbenzene	0.00064	2.5
p-Ethyltoluene	0.00064	8.6
1,2,4,5-Tetramethylbenzene	0.00031	0.68

AEI SB-10	11 (11.0-11.5) (feet bgs)	24.5 (24.5-25.0) (feet bgs)
5/15/2015		
Semivolatile Organics		
Acenaphthene	29	ND
Fluoranthene	92	ND
Naphthalene	96	1.6
Bis(2-Ethylhexyl)phthalate	ND	0.12
Benzo(a)anthracene	32	ND
Benzo(a)pyrene	28	ND
Benzo(b)fluoranthene	31	ND
Benzo(k)fluoranthene	13	ND
Chrysene	29	ND
Acenaphthylene	6.2	ND
Anthracene	36	ND
Benzo(ghi)perylene	16	ND
Fluorene	27	ND
Phenanthrene	130	ND
Dibenzo(a,h)anthracene	3.7	ND
Indeno(1,2,3-cd)Pyrene	17	ND
Pyrene	78	ND
Biphenyl	5.7	ND
Dibenzofuran	24	ND
2-Methylnaphthalene	24	1
Phenol	2.1	ND
3-Methylphenol/4-Methylphenol	3.4	ND
Carbazole	16	ND
Volatile Organics		
Benzene	0.14	ND
Toluene	0.29	0.079
Ethylbenzene	0.15	1.1
p/m-Xylene	0.45	3.1
o-Xylene	0.18	0.72
Xylenes, Total	0.63	3.8
Styrene	0.048	ND
n-Butylbenzene	ND	0.75
sec-Butylbenzene	ND	0.46
tert-Butylbenzene	ND	0.075
Isopropylbenzene	ND	0.69
p-Isopropyltoluene	0.084	1
n-Propylbenzene	ND	1.1
1,3,5-Trimethylbenzene	0.15	2.9
1,2,4-Trimethylbenzene	0.35	7.9
p-Diethylbenzene	0.14	5.8
p-Ethyltoluene	0.19	5
1,2,4,5-Tetramethylbenzene	0.06	1.2

LEGEND

- BOUNDARY
- MONITORING WELL LOCATION
- SOIL BORING LOCATION / SOIL GAS SAMPLE
- TEMPORARY WELL LOCATION

SAMPLE NAME	NYSDEC SCO Resticted Commercial	
DATE		
Semivolatile Organics		
Acenaphthene	mg/kg	500
Fluoranthene	mg/kg	500
Naphthalene	mg/kg	500
Bis(2-Ethylhexyl)phthalate	mg/kg	NS
Benzo(a)anthracene	mg/kg	5.6
Benzo(a)pyrene	mg/kg	1
Benzo(b)fluoranthene	mg/kg	5.6
Benzo(k)fluoranthene	mg/kg	56
Chrysene	mg/kg	56
Acenaphthylene	mg/kg	500
Anthracene	mg/kg	500
Benzo(ghi)perylene	mg/kg	500
Fluorene	mg/kg	500
Phenanthrene	mg/kg	500
Dibenzo(a,h)anthracene	mg/kg	0.56
Indeno(1,2,3-cd)Pyrene	mg/kg	5.6
Pyrene	mg/kg	500
Biphenyl	mg/kg	NS
Dibenzofuran	mg/kg	350
2-Methylnaphthalene	mg/kg	NS
2,4-Dimethylphenol	mg/kg	NS
Phenol	mg/kg	500
2-Methylphenol	mg/kg	500
3-Methylphenol/4-Methylpheno	mg/kg	500
Carbazole	mg/kg	NS
Total Metals		
Lead, Total	mg/kg	1000
Volatile Organics by 8260/5035		
Tetrachloroethene	mg/kg	150
Benzene	mg/kg	44
Toluene	mg/kg	500
Ethylbenzene	mg/kg	390
p/m-Xylene	mg/kg	NS
o-Xylene	mg/kg	NS
Xylenes, Total	mg/kg	500
Acetone	mg/kg	500
Carbon disulfide	mg/kg	NS
2-Butanone	mg/kg	500
1,2,3-Trichloropropane	mg/kg	NS
n-Butylbenzene	mg/kg	500
sec-Butylbenzene	mg/kg	500
tert-Butylbenzene	mg/kg	500
Isopropylbenzene	mg/kg	NS
p-Isopropyltoluene	mg/kg	NS
Naphthalene	mg/kg	500
n-Propylbenzene	mg/kg	500
1,3,5-Trimethylbenzene	mg/kg	190
1,2,4-Trimethylbenzene	mg/kg	190
p-Diethylbenzene	mg/kg	NS
p-Ethyltoluene	mg/kg	NS
1,2,4,5-Tetramethylbenzene	mg/kg	NS
Volatile Organics by EPA 5035 High		
Acetone	mg/kg	500
2-Butanone	mg/kg	500
sec-Butylbenzene	mg/kg	500
p-Isopropyltoluene	mg/kg	NS
n-Propylbenzene	mg/kg	500
1,2,4-Trimethylbenzene	mg/kg	190
1,4-Diethylbenzene	mg/kg	NS
4-Ethyltoluene	mg/kg	NS
1,2,4,5-Tetramethylbenzene	mg/kg	NS

Notes:
- mg/kg milligrams per kilogram
- bgs below ground surface
- ND non detect
- NA not analyzed
- NS No Standard Objective
- **BOLD** Exceeds respective NYSDEC SCO Restricted Commercial

GRAPHIC SCALE

0 20 40

(IN FEET)

AEI Consultants
Environmental & Engineering Services
30 MONTGOMERY ST.
SUITE 220
JERSEY CITY, NJ 07302

DRAWING TITLE:

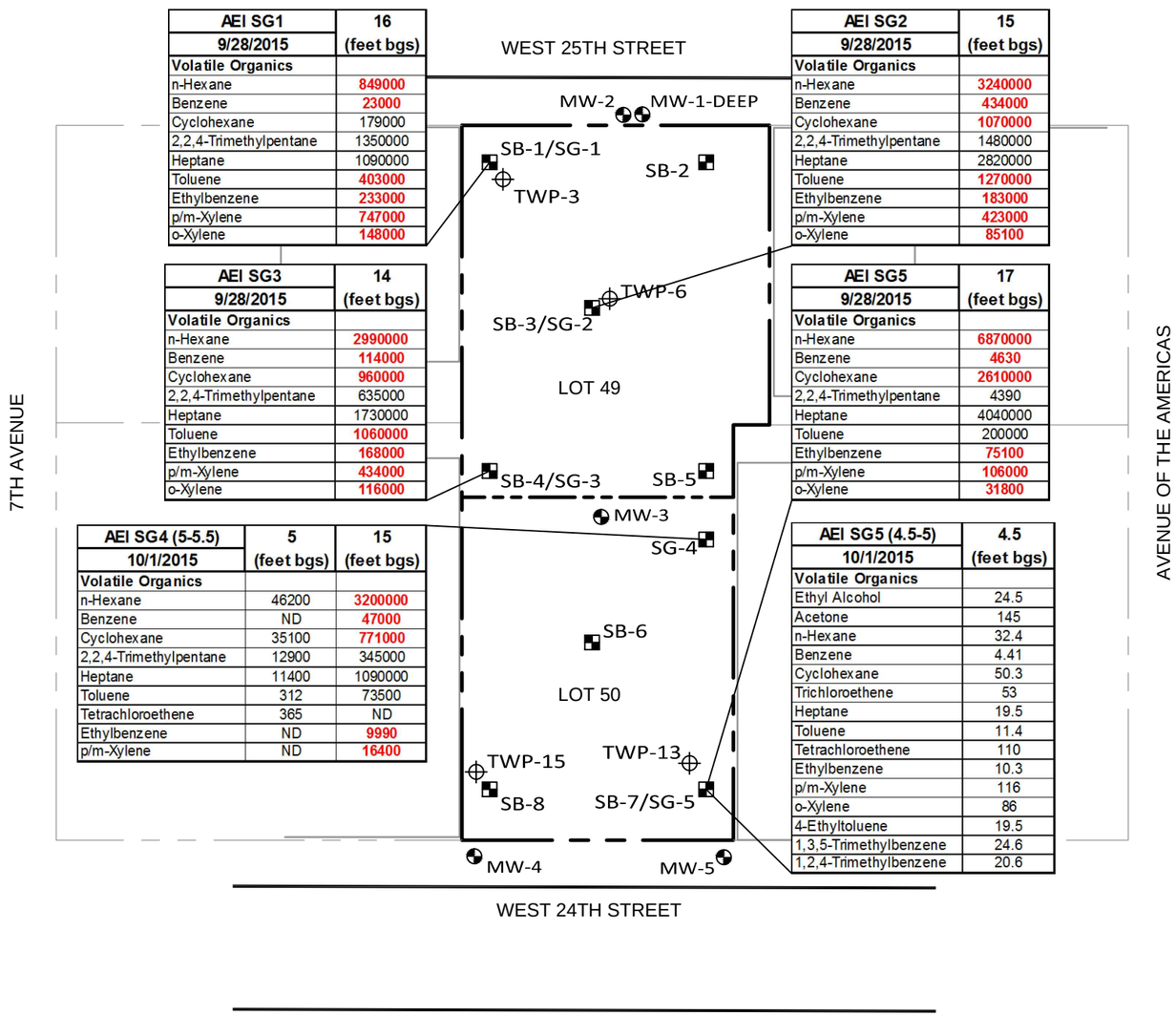
112 W 25TH STREET
NEW YORK, NEW YORK

DRAWING TITLE:

SOIL RESULTS
VOC / SVOC
MAY & OCTOBER 2015

SEAL & SIGNATURE

DATE:	11/19/15
PROJECT NO:	343443
DWG BY:	JLB
CHK BY:	JB
DWG NO:	5
CAD FILE NO:	5 OF 8
343444 - BASE_MAY-15-12282015	



AEI SG1	16
9/28/2015	(feet bgs)
Volatile Organics	
n-Hexane	849000
Benzene	23000
Cyclohexane	179000
2,2,4-Trimethylpentane	1350000
Heptane	1090000
Toluene	403000
Ethylbenzene	233000
p/m-Xylene	747000
o-Xylene	148000

AEI SG2	15
9/28/2015	(feet bgs)
Volatile Organics	
n-Hexane	3240000
Benzene	434000
Cyclohexane	1070000
2,2,4-Trimethylpentane	1480000
Heptane	2820000
Toluene	1270000
Ethylbenzene	183000
p/m-Xylene	423000
o-Xylene	85100

AEI SG3	14
9/28/2015	(feet bgs)
Volatile Organics	
n-Hexane	2990000
Benzene	114000
Cyclohexane	960000
2,2,4-Trimethylpentane	635000
Heptane	1730000
Toluene	1060000
Ethylbenzene	168000
p/m-Xylene	434000
o-Xylene	116000

AEI SG5	17
9/28/2015	(feet bgs)
Volatile Organics	
n-Hexane	6870000
Benzene	4630
Cyclohexane	2610000
2,2,4-Trimethylpentane	4390
Heptane	4040000
Toluene	200000
Ethylbenzene	75100
p/m-Xylene	106000
o-Xylene	31800

AEI SG4 (5-5.5)	5	15
10/1/2015	(feet bgs)	(feet bgs)
Volatile Organics		
n-Hexane	46200	3200000
Benzene	ND	47000
Cyclohexane	35100	771000
2,2,4-Trimethylpentane	12900	345000
Heptane	11400	1090000
Toluene	312	73500
Tetrachloroethene	365	ND
Ethylbenzene	ND	9990
p/m-Xylene	ND	16400

AEI SG5 (4.5-5)	4.5
10/1/2015	(feet bgs)
Volatile Organics	
Ethyl Alcohol	24.5
Acetone	145
n-Hexane	32.4
Benzene	4.41
Cyclohexane	50.3
Trichloroethene	53
Heptane	19.5
Toluene	11.4
Tetrachloroethene	110
Ethylbenzene	10.3
p/m-Xylene	116
o-Xylene	86
4-Ethyltoluene	19.5
1,3,5-Trimethylbenzene	24.6
1,2,4-Trimethylbenzene	20.6

LEGEND

- BOUNDARY
- MONITORING WELL LOCATION
- SOIL BORING LOCATION / SOIL GAS SAMPLE
- TEMPORARY WELL LOCATION

SAMPLE NAME	EPA VISL-SS	
DATE	Commercial	
Volatile Organics		
Ethyl Alcohol	ug/m3	NS
Acetone	ug/m3	4500000
n-Hexane	ug/m3	100000
Benzene	ug/m3	52
Cyclohexane	ug/m3	880000
Trichloroethene	ug/m3	100
2,2,4-Trimethylpentane	ug/m3	NS
Heptane	ug/m3	NS
Toluene	ug/m3	730000
Tetrachloroethene	ug/m3	1600
Ethylbenzene	ug/m3	160
p/m-Xylene	ug/m3	15000
o-Xylene	ug/m3	15000
4-Ethyltoluene	ug/m3	NS
1,3,5-Trimethylbenzene	ug/m3	NS
1,2,4-Trimethylbenzene	ug/m3	1000

Notes:
- ug/m3 micrograms per cubic meter
- bgs below ground surface
- ND not detected
- **Bold** Result exceeds EPA VISL-SS Commercial
- EPA Environmental Protection Agency

GRAPHIC SCALE

0 40 80

(IN FEET)

AEI Consultants

Environmental & Engineering Services

30 MONTGOMERY ST.
SUITE 220
JERSEY CITY, NJ 07302

DRAWING TITLE:

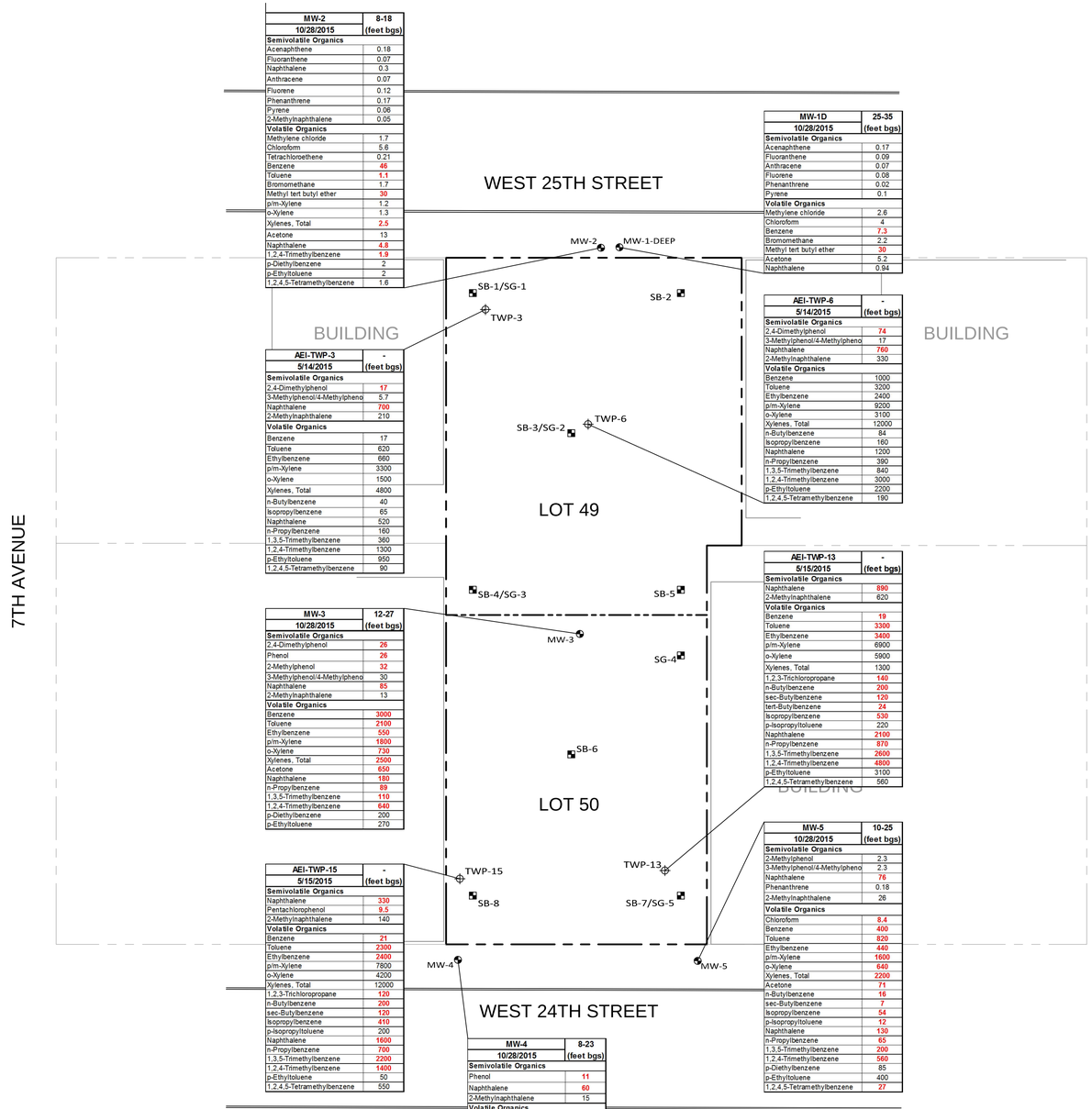
112 W 25TH STREET
NEW YORK, NEW YORK

DRAWING TITLE:

SOIL GAS RESULTS
VOC
SEPTEMBER 2015

SEAL & SIGNATURE

DATE:	11/19/15
PROJECT NO:	343443
DWG BY:	JLB
CHK BY:	JB
DWG NO:	6
CAD FILE NO:	6 OF 8
343444 - BASE_SEPT-15-12282015	



MW-2	8-18
10/28/2015	(feet bgs)
Semivolatile Organics	
Acenaphthene	0.18
Fluoranthene	0.07
Naphthalene	0.3
Anthracene	0.07
Fluorene	0.12
Phenanthrene	0.17
Pyrene	0.06
2-Methylnaphthalene	0.05
Volatile Organics	
Methylene chloride	1.7
Chloroform	5.6
Tetrachloroethene	0.21
Benzene	**46**
Toluene	**1.1**
Bromomethane	1.7
Methyl tert butyl ether	**30**
p/m-Xylene	1.2
o-Xylene	1.3
Xylenes, Total	**2.5**
Acetone	13
Naphthalene	**4.9**
1,2,4-Trimethylbenzene	**1.9**
p-Diethylbenzene	2
p-Ethyltoluene	2
1,2,4,5-Tetramethylbenzene	1.6

MW-1D	25-35
10/28/2015	(feet bgs)
Semivolatile Organics	
Acenaphthene	0.17
Fluoranthene	0.09
Anthracene	0.07
Fluorene	0.08
Phenanthrene	0.02
Pyrene	0.1
Volatile Organics	
Methylene chloride	2.6
Chloroform	4
Benzene	**7.3**
Bromomethane	2.2
Methyl tert butyl ether	**30**
Acetone	5.2
Naphthalene	0.94

AEI-TWP-6	-
5/14/2015	(feet bgs)
Semivolatile Organics	
2,4-Dimethylphenol	**74**
3-Methylphenol/4-Methylpheno	17
Naphthalene	**760**
2-Methylnaphthalene	330
Volatile Organics	
Benzene	1000
Toluene	3200
Ethylbenzene	2400
p/m-Xylene	9200
o-Xylene	3100
Xylenes, Total	12000
n-Butylbenzene	84
Isopropylbenzene	160
Naphthalene	1200
n-Propylbenzene	390
1,3,5-Trimethylbenzene	840
1,2,4-Trimethylbenzene	3000
p-Ethyltoluene	2200
1,2,4,5-Tetramethylbenzene	190

AEI-TWP-3	-
5/14/2015	(feet bgs)
Semivolatile Organics	
2,4-Dimethylphenol	**17**
3-Methylphenol/4-Methylpheno	5.7
Naphthalene	**700**
2-Methylnaphthalene	210
Volatile Organics	
Benzene	17
Toluene	620
Ethylbenzene	660
p/m-Xylene	3300
o-Xylene	1500
Xylenes, Total	4800
n-Butylbenzene	40
Isopropylbenzene	65
Naphthalene	520
n-Propylbenzene	160
1,3,5-Trimethylbenzene	360
1,2,4-Trimethylbenzene	1300
p-Ethyltoluene	950
1,2,4,5-Tetramethylbenzene	90

AEI-TWP-13	-
5/15/2015	(feet bgs)
Semivolatile Organics	
Naphthalene	**890**
2-Methylnaphthalene	620
Volatile Organics	
Benzene	**19**
Toluene	**3300**
Ethylbenzene	**3400**
p/m-Xylene	6900
o-Xylene	5900
Xylenes, Total	1300
1,2,3-Trichloropropane	**140**
n-Butylbenzene	**200**
sec-Butylbenzene	**120**
tert-Butylbenzene	**24**
Isopropylbenzene	**530**
p-Isopropyltoluene	220
Naphthalene	**2100**
n-Propylbenzene	**870**
1,3,5-Trimethylbenzene	**2600**
1,2,4-Trimethylbenzene	**4800**
p-Ethyltoluene	3100
1,2,4,5-Tetramethylbenzene	560

MW-3	12-27
10/28/2015	(feet bgs)
Semivolatile Organics	
2,4-Dimethylphenol	**26**
Phenol	**26**
2-Methylphenol	**32**
3-Methylphenol/4-Methylpheno	30
Naphthalene	**85**
2-Methylnaphthalene	13
Volatile Organics	
Benzene	**3000**
Toluene	**2100**
Ethylbenzene	**550**
p/m-Xylene	**1800**
o-Xylene	**730**
Xylenes, Total	**2500**
Acetone	**650**
Naphthalene	**180**
n-Propylbenzene	**89**
1,3,5-Trimethylbenzene	**110**
1,2,4-Trimethylbenzene	**640**
p-Diethylbenzene	200
p-Ethyltoluene	270

MW-5	10-25
10/28/2015	(feet bgs)
Semivolatile Organics	
2-Methylphenol	2.3
3-Methylphenol/4-Methylpheno	2.3
Naphthalene	**76**
Phenanthrene	0.18
2-Methylnaphthalene	26
Volatile Organics	
Chloroform	**8.4**
Benzene	**400**
Toluene	**820**
Ethylbenzene	**440**
p/m-Xylene	**1600**
o-Xylene	**640**
Xylenes, Total	**2200**
Acetone	**71**
n-Butylbenzene	**16**
sec-Butylbenzene	**7**
Isopropylbenzene	**54**
p-Isopropyltoluene	**12**
Naphthalene	**130**
n-Propylbenzene	**65**
1,3,5-Trimethylbenzene	**200**
1,2,4-Trimethylbenzene	**560**
p-Diethylbenzene	85
p-Ethyltoluene	400
1,2,4,5-Tetramethylbenzene	**27**

AEI-TWP-15	-
5/15/2015	(feet bgs)
Semivolatile Organics	
Naphthalene	**330**
Pentachlorophenol	**9.5**
2-Methylnaphthalene	140
Volatile Organics	
Benzene	**21**
Toluene	**2300**
Ethylbenzene	**2400**
p/m-Xylene	7800
o-Xylene	4200
Xylenes, Total	12000
1,2,3-Trichloropropane	**120**
n-Butylbenzene	**200**
sec-Butylbenzene	**120**
Isopropylbenzene	**410**
p-Isopropyltoluene	200
Naphthalene	**1600**
n-Propylbenzene	**700**
1,3,5-Trimethylbenzene	**2200**
1,2,4-Trimethylbenzene	**1400**
p-Ethyltoluene	50
1,2,4,5-Tetramethylbenzene	550

MW-4	8-23
10/28/2015	(feet bgs)
Semivolatile Organics	
Phenol	**11**
Naphthalene	**60**
2-Methylnaphthalene	15
Volatile Organics	
Benzene	**2700**
Toluene	**100**
Ethylbenzene	**520**
p/m-Xylene	**600**
o-Xylene	**53**
Xylenes, Total	**650**
Acetone	**300**
Isopropylbenzene	**51**
Naphthalene	**170**
n-Propylbenzene	**62**
1,3,5-Trimethylbenzene	**100**
1,2,4-Trimethylbenzene	**260**
p-Diethylbenzene	42
p-Ethyltoluene	94

LEGEND

- BOUNDARY
- MONITORING WELL LOCATION
- SOIL BORING LOCATION / SOIL GAS SAMPLE
- TEMPORARY WELL LOCATION

SAMPLE NAME	NYSDEC GWQS	
DATE		
Semivolatile Organics		
2,4-Dimethylphenol	ug/l	2
Phenol	ug/l	2
2-Methylphenol	ug/l	5
3-Methylphenol/4-Methylpheno	ug/l	NS
Acenaphthene	ug/l	20
Fluoranthene	ug/l	50
Naphthalene	ug/l	10
Anthracene	ug/l	50
Fluorene	ug/l	50
Phenanthrene	ug/l	50
Pyrene	ug/l	50
Pentachlorophenol	ug/l	1
2-Methylnaphthalene	ug/l	50
Volatile Organics		
Methylene chloride	ug/l	5
Chloroform	ug/l	7
Tetrachloroethene	ug/l	5
Benzene	ug/l	1
Toluene	ug/l	5
Ethylbenzene	ug/l	5
Bromomethane	ug/l	5
Methyl tert butyl ether	ug/l	10
p/m-Xylene	ug/l	5
o-Xylene	ug/l	5
Xylenes, Total	ug/l	5
1,2,3-Trichloropropane	ug/l	0.04
Acetone	ug/l	50
2-Butanone	ug/l	50
n-Butylbenzene	ug/l	5
sec-Butylbenzene	ug/l	5
tert-Butylbenzene	ug/l	5
Isopropylbenzene	ug/l	5
p-Isopropyltoluene	ug/l	5
Naphthalene	ug/l	10
n-Propylbenzene	ug/l	5
1,3,5-Trimethylbenzene	ug/l	5
1,2,4-Trimethylbenzene	ug/l	5
p-Diethylbenzene	ug/l	NS
p-Ethyltoluene	ug/l	NS
1,2,4,5-Tetramethylbenzene	ug/l	5

Notes:
ug/l microgram per liter
bgs below ground surface
ND non detect
BOLD Exceeds respective standard
NS No Standard/Objective
NYSDEC New York State Department of Environmental Conservation

GRAPHIC SCALE
0 20 40
(IN FEET)

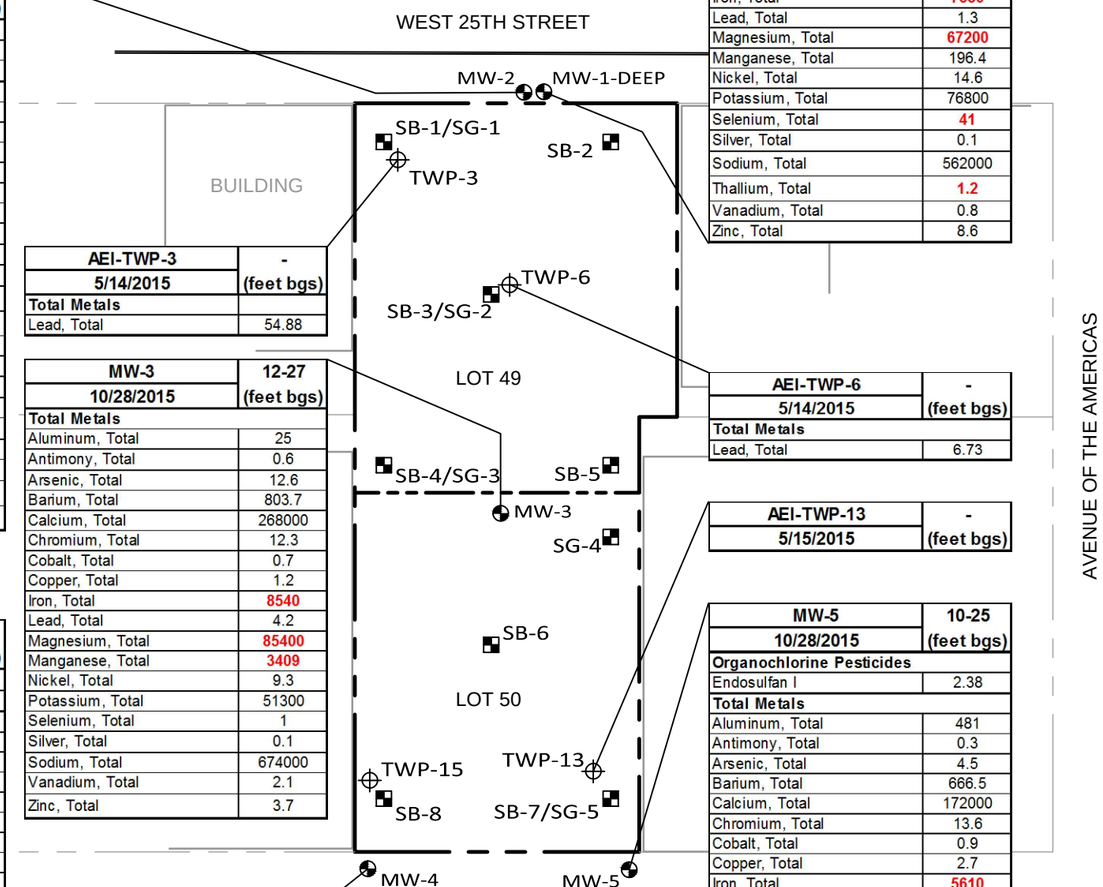
AEI Consultants
Environmental & Engineering Services
30 MONTGOMERY ST.
SUITE 220
JERSEY CITY, NJ 07302

DRAWING TITLE:
112 W 25TH STREET
NEW YORK, NEW YORK

DRAWING TITLE:
GROUNDWATER RESULTS
VOC / SVOC
SEPTEMBER 2015

SEAL & SIGNATURE

DATE:	11/19/15
PROJECT NO:	343443
DWG BY:	JLB
CHK BY:	JB
DWG NO:	7
CAD FILE NO:	7 OF 8
343444 - BASE_SEPT-15-12282015	



MW-2	8-18
10/28/2015	(feet bgs)
Organochlorine Pesticides	
trans-Chlordane	0.012
Chlordane	**0.26**
Total Metals	
Aluminum, Total	36
Antimony, Total	1.9
Arsenic, Total	6.2
Barium, Total	74.2
Calcium, Total	257000
Chromium, Total	10.3
Cobalt, Total	1.1
Copper, Total	2.3
Iron, Total	**5120**
Lead, Total	0.8
Magnesium, Total	**45000**
Manganese, Total	122
Nickel, Total	15.2
Potassium, Total	66900
Selenium, Total	**42**
Silver, Total	0.1
Sodium, Total	516000
Thallium, Total	0.4
Vanadium, Total	2.7
Zinc, Total	2.9

MW-4	8-23
10/28/2015	(feet bgs)
Organochlorine Pesticides	
Endosulfan I	1.09
Total Metals	
Aluminum, Total	**5670**
Antimony, Total	**8.7**
Arsenic, Total	3.9
Barium, Total	821
Beryllium, Total	0.3
Calcium, Total	155000
Chromium, Total	22.8
Cobalt, Total	5.6
Copper, Total	17.2
Iron, Total	**16900**
Lead, Total	**87.4**
Magnesium, Total	**60000**
Manganese, Total	**3050**
Nickel, Total	18.1
Potassium, Total	32400
Selenium, Total	2
Sodium, Total	357000
Thallium, Total	0.1
Vanadium, Total	15.5
Zinc, Total	26.1

AEI-TWP-3	-
5/14/2015	(feet bgs)
Total Metals	
Lead, Total	54.88

MW-3	12-27
10/28/2015	(feet bgs)
Total Metals	
Aluminum, Total	25
Antimony, Total	0.6
Arsenic, Total	12.6
Barium, Total	803.7
Calcium, Total	268000
Chromium, Total	12.3
Cobalt, Total	0.7
Copper, Total	1.2
Iron, Total	**8540**
Lead, Total	4.2
Magnesium, Total	**85400**
Manganese, Total	**3409**
Nickel, Total	9.3
Potassium, Total	51300
Selenium, Total	1
Silver, Total	0.1
Sodium, Total	674000
Vanadium, Total	2.1
Zinc, Total	3.7

MW-1D	25-35
10/28/2015	(feet bgs)
Total Metals	
Aluminum, Total	23
Antimony, Total	1.7
Arsenic, Total	7.1
Barium, Total	69.7
Calcium, Total	227000
Chromium, Total	10.4
Cobalt, Total	4.3
Copper, Total	3.5
Iron, Total	**7880**
Lead, Total	1.3
Magnesium, Total	**67200**
Manganese, Total	196.4
Nickel, Total	14.6
Potassium, Total	76800
Selenium, Total	**41**
Silver, Total	0.1
Sodium, Total	562000
Thallium, Total	**1.2**
Vanadium, Total	0.8
Zinc, Total	8.6

AEI-TWP-6	-
5/14/2015	(feet bgs)
Total Metals	
Lead, Total	6.73

AEI-TWP-13	-
5/15/2015	(feet bgs)

MW-5	10-25
10/28/2015	(feet bgs)
Organochlorine Pesticides	
Endosulfan I	2.38
Total Metals	
Aluminum, Total	481
Antimony, Total	0.3
Arsenic, Total	4.5
Barium, Total	666.5
Calcium, Total	172000
Chromium, Total	13.6
Cobalt, Total	0.9
Copper, Total	2.7
Iron, Total	**5610**
Lead, Total	7.9
Magnesium, Total	**41600**
Manganese, Total	**3641**
Nickel, Total	9.9
Potassium, Total	28200
Sodium, Total	162000
Vanadium, Total	1.8
Zinc, Total	5

LEGEND

- BOUNDARY
- MONITORING WELL LOCATION
- SOIL BORING LOCATION / SOIL GAS SAMPLE
- TEMPORARY WELL LOCATION

SAMPLE NAME / DATE	NYSDEC GWQS	
Organochlorine Pesticides		
Endosulfan I	ug/l	NS
trans-Chlordane	ug/l	NS
Chlordane	ug/l	0.05
Polychlorinated Biphenyls		
PCBs, Total	ug/l	NS
Total Metals		
Aluminum, Total	ug/l	2000
Antimony, Total	ug/l	6
Arsenic, Total	ug/l	50
Barium, Total	ug/l	2000
Beryllium, Total	ug/l	3
Calcium, Total	ug/l	NS
Chromium, Total	ug/l	100
Cobalt, Total	ug/l	NS
Copper, Total	ug/l	1000
Iron, Total	ug/l	600
Lead, Total	ug/l	50
Magnesium, Total	ug/l	35000
Manganese, Total	ug/l	600
Nickel, Total	ug/l	200
Potassium, Total	ug/l	NS
Selenium, Total	ug/l	20
Silver, Total	ug/l	100
Sodium, Total	ug/l	NS
Thallium, Total	ug/l	0.5
Vanadium, Total	ug/l	NS
Zinc, Total	ug/l	5000

Notes:
- ug/l microgram per liter
- bgs below ground surface
- ND non detect
- **BOLD** Exceeds respective standard
- NS No Standard/Objective
- NYSDEC New York State Department of Environmental Conservation

GRAPHIC SCALE

0 40 80

(IN FEET)

AEI Consultants

Environmental & Engineering Services

30 MONTGOMERY ST.
SUITE 220
JERSEY CITY, NJ 07302

DRAWING TITLE:

112 W 25TH STREET
NEW YORK, NEW YORK

DRAWING TITLE:

GROUNDWATER RESULTS
METALS / PCB / PESTICIDES
SEPTEMBER 2015

SEAL & SIGNATURE

DATE:	11/19/15
PROJECT NO:	343443
DWG BY:	JLB
CHK BY:	JB
DWG NO:	8
CAD FILE NO:	8 OF 8
343444 - BASE_SEPT-15-12282015	

TABLES

TABLE 1: SOIL SAMPLE DATA SUMMARY
112 West 25th Street New York, New York 10001

ANALYSIS	UNITS	NYSDEC SCO Resticted Commercial	NYSDEC SCO Resticted Residential	NYSDEC SCO Unrestricted	AEI SB7 (10-10.5) 9/28/2015 10 (feet bgs)	AEI SB7 (19-19.5) 9/28/2015 19 (feet bgs)	AEI SB4 (14.5-15) 9/28/2015 14.5 (feet bgs)	AEI SB4 (17.5-18) 9/28/2015 17.5 (feet bgs)	AEI SB3 (10.5-11) 9/28/2015 10.5 (feet bgs)	AEI SB3 (20-20.5) 9/28/2015 20 (feet bgs)	AEI SB1 (10.5-11) 9/28/2015 10.5 (feet bgs)	AEI SB1 (19-19.5) 9/28/2015 19 (feet bgs)	AEI MW3 (10.5-11) 9/29/2015 10.5 (feet bgs)	AEI MW3 (19.5-20) 9/29/2015 19.5 (feet bgs)	AEI SB6 (10.5-11) 10/1/2015 10.5 (feet bgs)	AEI SB6 (16-16.5) 10/1/2015 16 (feet bgs)	AEI SB8 (10.5-11) 10/1/2015 10.5 (feet bgs)	AEI SB8 (19.5-20) 10/1/2015 19.5 (feet bgs)	AEI SB5 (14-14.5) 9/30/2015 14 (feet bgs)	AEI SB5 (20-20.5) 9/30/2015 20 (feet bgs)	AEI SB2 (10.5-11) 9/30/2015 10.5 (feet bgs)	AEI SB2 (20-20.5) 9/30/2015 20 (feet bgs)
General Chemistry																						
Solids, Total	%				90.5	85.7	73.9	89.1	83.7	85.6	80.9	87.8	92	89.4	79.9	77.9	57.8	89.9	89.4	88	88	93.1
Organochlorine Pesticides																						
Delta-BHC	mg/kg	500	100	0.04	0.00248 PI	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00338	ND	ND	ND	ND
Aldrin	mg/kg	0.68	0.019	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	mg/kg	1.4	0.039	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0307 P	ND	ND	ND	ND	ND
4,4'-DDE	mg/kg	62	1.8	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0212 PI	ND	ND	ND	ND	ND
4,4'-DDD	mg/kg	92	2.6	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.162	ND	ND	ND	ND	ND
4,4'-DDT	mg/kg	47	1.7	0.0033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.274	ND	ND	ND	ND	ND
Endosulfan sulfate	mg/kg	200	4.8	2.4	ND	0.000791 PI	0.000925 PI	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00073 PI	ND	ND	ND
cis-Chlordane	mg/kg	24	0.91	0.094	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00722	ND	ND	ND	ND	ND
trans-Chlordane	mg/kg	NS	0.54	NS	ND	ND	ND	ND	0.00165 J	0.000746 J	0.0012 J	ND	ND	ND	ND	ND	0.029 PI	ND	ND	ND	ND	ND
Chlordane	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.254	ND	ND	ND	ND	ND
Polychlorinated Biphenyls																						
Aroclor 1260	mg/kg	1	1	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND
PCBs, Total	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND
Semivolatile Organics																						
Naphthalene	mg/kg	500	100	12	-	-	-	-	-	-	-	-	-	-	ND	19	- -	- -	- -	- -	- -	- -
Biphenyl	mg/kg	NS	NS	NS	-	-	-	-	-	-	-	-	-	-	ND	0.21 J	- -	- -	- -	- -	- -	- -
2-Methylnaphthalene	mg/kg	NS	0.41	NS	-	-	-	-	-	-	-	-	-	-	ND	16	- -	- -	- -	- -	- -	- -
Total Metals																						
Aluminum, Total	mg/kg	NS	NS	NS	4200	6200	7100	6400	6700	7600	7400	7500	6800	6400	7400	6100	7700	6000	7700	5800	8800	9300
Antimony, Total	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND
Arsenic, Total	mg/kg	16	16	13	1.1	2.4	5.6	0.9	2.7	0.83 J	3.2	1.4	1.4	0.74 J	4.8	3.9	**32**	0.85	4.7	2.3	2.7	3.2
Barium, Total	mg/kg	400	350	350	44	88	74	79	20	91	58	80	12	85	24	65	**780**	75	88	78	110	92
Beryllium, Total	mg/kg	590	14	7.2	0.23 J	0.32 J	0.37 J	0.36 J	0.3 J	0.38 J	0.33 J	0.4 J	0.24 J	0.39 J	0.28 J	0.35 J	0.52 J	0.35 J	0.38 J	0.34 J	0.49	0.23 J
Cadmium, Total	mg/kg	9.3	2.5	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**77**	ND	ND	ND	ND	ND
Calcium, Total	mg/kg	NS	NS	NS	1500	1700	2500	1400	1800	3000	16000	2000	1400	1400	3900	2400	16000	1800	5900	1400	1800	2700
Chromium, Total	mg/kg	NS	NS	NS	11	17	15	16	9.7	16	12	23	9.8	20	10	12	67	20	25	13	24	18
Cobalt, Total	mg/kg	NS	30	NS	4	4	4.3	4.1	6.1	4.8	5.1	6.3	5.5	4.9	6.3	6.2	13	4.7	5.5	4.2	6.6	8.9
Copper, Total	mg/kg	270	270	50	11	14	12	17	15	15	16	16	11	21	16	11	**510**	23	20	13	35	20
Iron, Total	mg/kg	NS	2000	NS	8400	10000	9300	11000	12000	12000	11000	12000	12000	10000	15000	9100	45000	12000	14000	10000	14000	17000
Lead, Total	mg/kg	1000	400	63	6.2	9.3	6.1	9.2	4	15 J	31	5.6	7.8	15	3.6 J	9.4	**2600**	3.3 J	5.1	ND	ND	ND
Magnesium, Total	mg/kg	NS	NS	NS	2300	3600	2600	3200	2900	3100	4000	3000	2700	3000	3700	2300	7100	2800	3900	2900	4600	5500
Manganese, Total	mg/kg	10000	2000	1600	95	130	94	140	100	160	180	140	110	130	210	86	300	200	180	130	160	240
Mercury, Total	mg/kg	2.8	0.81	0.18	ND	ND	0.02 J	0.02 J	ND	0.05 J	0.11	ND	ND	ND	ND	ND	2.7	0.04 J	0.04 J	ND	ND	0.04 J
Nickel, Total	mg/kg	310	140	30	12	12	12	12	13	12	14	14	12	14	14	14	140	22	14	9.8	18	18
Potassium, Total	mg/kg	NS	NS	NS	1000	2800	740	3600	410	3600	760	2900	500	3800	460	930	940	2700	3200	3600	4600	7000
Selenium, Total	mg/kg	1500	36	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	1.4 J	ND	ND	ND
Silver, Total	mg/kg	1500	36	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9	ND	ND	ND	ND	ND
Sodium, Total	mg/kg	NS	NS	NS	89 J	86 J	130 J	120 J	290	500	180 J	160 J	320	380	340	510	1800	220	230	120 J	380	300
Vanadium, Total	mg/kg	NS	100	NS	14	19	21	22	13	21	19	22	11	19	12	19	90	21	22	18	23	20
Zinc, Total	mg/kg	10000	2200	109	22	35	39	32	40	35	130	41	39	38	45	32	2500	46	49	28	40	53
Volatile Organics																						
Benzene	mg/kg	44	2.9	0.06	-	-	-	-	-	-	-	-	-	-	0.0023	13	- -	- -	- -	- -	- -	- -
Toluene	mg/kg	500	100	0.7	-	-	-	-	-	-	-	-	-	-	0.012	160	- -	- -	- -	- -	- -	- -
Ethylbenzene	mg/kg	390	30	1	-	-	-	-	-	-	-	-	-	-	0.015	99	- -	- -	- -	- -	- -	- -
1,2-Dichlorobenzene	mg/kg	500	100	1.1	-	-	-	-	-	-	-	-	-	-	0.00022 J	17 U	- -	- -	- -	- -	- -	- -
p/m-Xylene	mg/kg	NS	NS	NS	-	-	-	-	-	-	-	-	-	-	0.039	430	- -	- -	- -	- -	- -	- -
o-Xylene	mg/kg	NS	NS	NS	-	-	-	-	-	-	-	-	-	-	0.011	140	- -	- -	- -	- -	- -	- -
Xylenes, Total	mg/kg	500	100	0.26	-	-	-	-	-	-	-	-	-	-	0.05	**570**	- -	- -	- -	- -	- -	- -
Acetone	mg/kg	500	100	0.05	-	-	-	-	-	-	-	-	-	-	0.06	34 U	- -	- -	- -	- -	- -	- -
n-Butylbenzene	mg/kg	500	100	12	-	-	-	-	-	-	-	-	-	-	0.00042 J	18	- -	- -	- -	- -	- -	- -
sec-Butylbenzene	mg/kg	500	100	11	-	-	-	-	-	-	-	-	-	-	0.00044 J	6.2	- -	- -	- -	- -	- -	- -
Isopropylbenzene	mg/kg	NS	100	NS	-	-	-	-	-	-	-	-	-	-	0.0021	17	- -	- -	- -	- -	- -	- -
p-Isopropyltoluene	mg/kg	NS	NS	NS	-	-	-	-	-	-	-	-	-	-	0.00071 J	9.4	- -	- -	- -	- -	- -	- -
Naphthalene	mg/kg	500	100	12	-	-	-	-	-	-	-	-	-	-	0.0014 J	40	- -	- -	- -	- -	- -	- -
n-Propylbenzene	mg/kg	500	100	3.9	-	-	-	-	-	-	-	-	-	-	0.0045	44	- -	- -	- -	- -	- -	- -
1,3,5-Trimethylbenzene	mg/kg	190	47	8.4	-	-	-	-	-	-	-	-	-	-	0.012	100	- -	- -	- -	- -	- -	- -
1,2,4-Trimethylbenzene	mg/kg	190	47	3.6	-	-	-	-	-	-	-	-	-	-	0.034	**290**	- -	- -	- -	- -	- -	- -
p-Diethylbenzene	mg/kg	NS	NS	NS	-	-	-	-	-	-	-	-	-	-	0.0061	110	- -	- -	- -	- -	- -	- -
p-Ethyltoluene	mg/kg	NS	NS	NS	-	-	-	-	-	-	-	-	-	-	0.012	210	- -	- -	- -	- -	- -	- -
1,2,4,5-Tetramethylbenzene	mg/kg	NS	NS	NS	-	-	-	-	-	-	-	-	-	-	0.0011 J	28	- -	- -	- -	- -	- -	- -

Notes:

mg/kg	milligrams per kilogram
J	estimated concentration
E	concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument
P	The RPD between the results for the two columns exceeds the method-specified criteria.
I	The lower value for the two columns has been reported due to obvious interference.
bgs	below ground surface
ND	non detect
-	not analyzed
NS	No Standard/Objective
BOLD	Exceeds respective NYSDEC SCO Restriced Commercial

Comparision Values:
NYSDEC SCO Restriced Residential: New York State Department of Environmental Conservation Soil Cleanup Objectives for Restricted Residential use
NYSDEC SCO Restriced Commercial: New York State Department of Environmental Conservation Soil Cleanup Objectives for Restricted Commercial use
NYSDEC SCO Unrestriced: New York State Department of Environmental Conservation Soil Cleanup Objectives for Unresticted use

TABLE 1: SOIL SAMPLE DATA SUMMARY
112 West 25th Street New York, New York 10001

ANALYSIS	UNITS	NYSDEC SCO Resticted Commercial	NYSDEC SCO Resticted Residential	NYSDEC SCO Unrestricted	AEI SB-1 (10.5-11.0) 5/13/2015 10.5 (feet bgs)	AEI SB-2 (11.5-12.0) 5/13/2015 11.5 (feet bgs)	AEI SB-2 (20.5-21.0) 5/13/2015 20.5 (feet bgs)	AEI SB-3 (11.0-11.5) 5/13/2015 11 (feet bgs)	AEI SB-3 (19.5-20.0) 5/13/2015 19.5 (feet bgs)	AEI SB-4 (10.0-10.5) 5/13/2015 10 (feet bgs)	AEI SB-4 (19.5-20.0) 5/13/2015 19.5 (feet bgs)	AEI SB-5 (11.5-12.0) 5/13/2015 11.5 (feet bgs)	AEI SB-6 (10.5-11.0) 5/13/2015 10.5 (feet bgs)	AEI SB-6 (20.5-21.0) 5/13/2015 20.5 (feet bgs)	AEI SB-7 (14.5-15.0) 5/14/2015 14.5 (feet bgs)	AEI SB-8 (9.5-10.0) 5/14/2015 9.5 (feet bgs)	AEI SB-8 (17.5-18.0) 5/14/2015 17.5 (feet bgs)	AEI SB-9 (14.0-14.5) 5/14/2015 14 (feet bgs)	AEI SB-9 (20.0-20.5) 5/14/2015 20 (feet bgs)
General Chemistry																			
Solids, Total	%				97.2	90.4	90.4	86.5	98.1	84.6	91.5	87.5	89.2	85.2	89.7	82.5	88.7	90.8	90.9
Semivolatile Organics																			
Acenaphthene	mg/kg	500	100	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8	ND
Fluoranthene	mg/kg	500	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32	ND
Naphthalene	mg/kg	500	100	12	ND	3.1	ND	ND	27	ND	ND	ND	10	ND	ND	ND	ND	13	ND
Bis(2-Ethylhexyl)phthalate	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46	ND
Benzo(a)anthracene	mg/kg	5.6	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**12**	ND
Benzo(a)pyrene	mg/kg	1	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**12**	ND
Benzo(b)fluoranthene	mg/kg	5.6	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**14**	ND
Benzo(k)fluoranthene	mg/kg	56	3.9	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.6	ND
Chrysene	mg/kg	56	3.9	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND
Anthracene	mg/kg	500	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND
Benzo(ghi)perylene	mg/kg	500	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.3	ND
Fluorene	mg/kg	500	100	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.4	ND
Phenanthrene	mg/kg	500	100	100	ND	ND	0.054 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45	ND
Dibenzo(a,h)anthracene	mg/kg	0.56	0.33	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.2**	ND
Indeno(1,2,3-cd)Pyrene	mg/kg	5.6	0.5	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.8**	ND
Pyrene	mg/kg	500	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	ND
Biphenyl	mg/kg	NS	NS	NS	ND	0.072 J	0.29 J	ND	0.37 J	ND	ND	0.09 J	0.16 J	ND	ND	ND	ND	0.97	ND
Dibenzofuran	mg/kg	350	59	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ND
2-Methylnaphthalene	mg/kg	NS	NS	NS	ND	3.1	1.6	ND	26	ND	ND	ND	10	ND	0.13 J	ND	ND	4.6	0.81
2,4-Dimethylphenol	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.32 J	ND
Phenol	mg/kg	500	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.59	ND
2-Methylphenol	mg/kg	500	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26 J	ND
3-Methylphenol/4-Methylphenol	mg/kg	500	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.88	ND
Carbazole	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND
Total Metals																			
Lead, Total	mg/kg	1000	400	63	2.8	-	-	-	3	-	-	-	-	-	-	-	-	-	-
Volatile Organics by 8260/5035																			
Tetrachloroethene	mg/kg	150	19	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0006 J	ND	ND	ND
Benzene	mg/kg	44	4.8	0.06	ND	ND	0.81	0.00034 J	ND	0.0094	ND	0.00029 J	0.84	0.0032	ND	ND	0.36	ND	ND
Toluene	mg/kg	500	100	0.7	ND	ND	0.49 J	0.0034	1.8	0.067	0.00034 J	0.00082 J	8.7	0.0052	ND	ND	2.1	0.11	ND
Ethylbenzene	mg/kg	390	41	1	ND	31	2.6	0.0041	28	0.38 E	0.00031 J	ND	24	0.022	0.41	ND	0.86	0.15	ND
p/m-Xylene	mg/kg	NS	NS	NS	ND	68	0.68 J	0.017	210	0.98 E	0.0013 J	0.0049	120	0.11	1.8	ND	3.5	0.32	ND
o-Xylene	mg/kg	NS	NS	NS	ND	28	ND	0.0068	64	0.77 E	0.00032 J	0.0021 J	28	0.022	0.21 J	ND	1.2	0.081 J	ND
Xylenes, Total	mg/kg	500	100	0.26	ND	96	0.68 J	0.024	270	-	0.0016 J	0.007 J	150	0.13	2 J	ND	4.7	0.4 J	ND
Acetone	mg/kg	500	100	0.05	ND	ND	ND	0.01 J	ND	ND	0.0059 J	ND	0.63 J	0.0082 J	ND	0.43 E	0.24 J	0.16 J	ND
Carbon disulfide	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	0.0027 J	ND	0.0028 J	ND	ND	ND	ND	ND
2-Butanone	mg/kg	500	100	0.12	ND	ND	ND	ND	ND	ND	0.0013 J	ND	ND	ND	ND	0.0076 J	ND	ND	ND
1,2,3-Trichloropropane	mg/kg	NS	NS	NS	ND	ND	ND	ND	2.8	ND	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND
n-Butylbenzene	mg/kg	500	100	12	ND	19	22	0.00033 J	16	0.036	ND	ND	6.5	0.0061	4.3	ND	0.16	0.23	0.036 J
sec-Butylbenzene	mg/kg	500	100	11	ND	5.4	8.3	ND	4.6	0.021	ND	0.15	2.1	0.0016	1.1	ND	0.077	0.1	0.045 J
tert-Butylbenzene	mg/kg	500	100	5.9	ND	ND	ND	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	mg/kg	NS	NS	NS	ND	11	5.7	0.00051 J	7.8	0.058	ND	0.036	4.3	0.0076	0.7	ND	0.14	0.15	ND
p-Isopropyltoluene	mg/kg	NS	NS	NS	ND	4.2	5.9	ND	3.9	0.019	ND	0.055	2	0.0021	0.93	ND	0.11	0.2	ND
Naphthalene	mg/kg	500	100	12	ND	22	ND	0.0033 J	35	0.2	0.00022 J	ND	14	0.045	1.9	ND	0.4	11	0.081 J
n-Propylbenzene	mg/kg	500	100	3.9	ND	39	29	0.0013	29	0.17	0.00024 J	0.2	14	0.021	3.8	ND	0.35	0.36	ND
1,3,5-Trimethylbenzene	mg/kg	190	52	8.4	ND	12	ND	0.0028 J	66	0.5 E	0.00044 J	ND	30	0.027	8.1	ND	0.79	0.98	0.037 J
1,2,4-Trimethylbenzene	mg/kg	190	52	3.6	ND	**320**	160	0.011	**300**	1.7 E	0.0012 J	0.046	110	0.16	22	ND	2.2	2.4	0.09 J
p-Diethylbenzene	mg/kg	NS	NS	NS	ND	48	18	0.0025 J	120	0.26	0.00044 J	0.18	36	0.032	24	ND	0.99	1.7	0.057 J
p-Ethyltoluene	mg/kg	NS	NS	NS	ND	75	6.2	0.0072	230	0.4 E	0.0013 J	0.008	73	0.06	17	ND	1.7	0.84	0.048 J
1,2,4,5-Tetramethylbenzene	mg/kg	NS	NS	NS	ND	30	59	0.001 J	26	0.07	ND	0.59 E	10	0.012	7.2	ND	0.22	0.46	0.13 J
Volatile Organics by EPA 5035 High																			
Acetone	mg/kg	500	100	0.05	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	0.99	NA	NA	NA
2-Butanone	mg/kg	500	100	0.12	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	0.25 J	NA	NA	NA
sec-Butylbenzene	mg/kg	500	100	11	NA	NA	NA	NA	NA	ND	NA	0.24	NA	NA	NA	ND	NA	NA	NA
p-Isopropyltoluene	mg/kg	NS	NS	NS	NA	NA	NA	NA	NA	ND	NA	0.081	NA	NA	NA	ND	NA	NA	NA
n-Propylbenzene	mg/kg	500	100	3.9	NA	NA	NA	NA	NA	ND	NA	0.16	NA	NA	NA	ND	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	190	52	3.6	NA	NA	NA	NA	NA	ND	NA	0.066 J	NA	NA	NA	ND	NA	NA	NA
1,4-Diethylbenzene	mg/kg	NS	NS	NS	NA	NA	NA	NA	NA	ND	NA	0.44	NA	NA	NA	ND	NA	NA	NA
4-Ethyltoluene	mg/kg	NS	NS	NS	NA	NA	NA	NA	NA	ND	NA	0.039 J	NA	NA	NA	ND	NA	NA	NA
1,2,4,5-Tetramethylbenzene	mg/kg	NS	NS	NS	NA	NA	NA	NA	NA	ND	NA	1.4	NA	NA	NA	ND	NA	NA	NA

Notes:

mg/kg	milligrams per kilogram
J	estimated concentration
E	concentration of analyte
bgs	below ground surface
ND	non detect
NA	not analyzed
NS	No Standard/Objective
BOLD	Exceeds respective NYSDEC SCO Restriced Commercial

Comparision Values:

NYSDEC SCO Restriced Residential: New York State Department of Environmental Conservation Soil Cleanup Objectives for Restricted Residential use

NYSDEC SCO Restriced Commercial: New York State Department of Environmental Conservation Soil Cleanup Objectives for Restricted Commercial use

NYSDEC SCO Unrestriced: New York State Department of Environmental Conservation Soil Cleanup Objectives for Unresticted use

TABLE 1: SOIL SAMPLE DATA SUMMARY
112 West 25th Street New York, New York 10001

ANALYSIS	UNITS	NYSDEC SCO Resticted Commercial	NYSDEC SCO Resticted Residential	NYSDEC SCO Unrestricted	AEI SB-10 (11.0-11.5) 5/15/2015 11 (feet bgs)	AEI SB-10 (24.5-25.0) 5/15/2015 24.5 (feet bgs)	AEI SB-11 (10.5-11.0) 5/15/2015 10.5 (feet bgs)	AEI SB-11 (19.5-20.0) 5/15/2015 19.5 (feet bgs)	AEI SB-12 (11.0-11.5) 5/15/2015 11 (feet bgs)	AEI SB-12 (21.0-21.5) 5/15/2015 21 (feet bgs)	AEI SB-13 (10.5-11.0) 5/15/2015 10.5 (feet bgs)	AEI SB-13 (18.5-19.0) 5/15/2015 18.5 (feet bgs)	AEI SB-14 (10.0-10.5) 5/15/2015 10 (feet bgs)	AEI SB-14 (19.5-20.0) 5/15/2015 19.5 (feet bgs)	AEI SB-15 (10.0-10.5) 5/15/2015 10 (feet bgs)	AEI SB-15 (19.5-20.0) 5/15/2015 19.5 (feet bgs)
General Chemistry																
Solids, Total	%				86.9	87.2	87.5	79.9	85.4	90.1	84.7	91.4	75.4	91.3	80.5	77.8
Semivolatile Organics																
Acenaphthene	mg/kg	500	100	20	29	ND	10	0.064 J	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	mg/kg	500	100	100	92	ND	48	0.38	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	mg/kg	500	100	12	96	1.6	16	0.49	ND	ND	ND	6.4	ND	1.7	ND	0.46
Bis(2-Ethylhexyl)phthalate	mg/kg	NS	NS	NS	ND	0.12 J	ND	ND	ND	ND	ND	0.064 J	ND	ND	0.062 J	ND
Benzo(a)anthracene	mg/kg	5.6	1	1	**32**	ND	**17**	0.13	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	mg/kg	1	1	1	**28**	ND	**14**	0.12 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	mg/kg	5.6	1	1	**31**	ND	**17**	0.14	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	mg/kg	56	3.9	0.8	13	ND	6.4	0.056 J	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	mg/kg	56	3.9	1	29	ND	16	0.12	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	mg/kg	500	100	100	6.2	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	mg/kg	500	100	100	36	ND	17	0.11 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	mg/kg	500	100	100	16	ND	8.6	0.074 J	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	mg/kg	500	100	30	27	ND	11	0.065 J	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	mg/kg	500	100	100	130	ND	65	0.43	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	mg/kg	0.56	0.33	0.33	**3.7**	ND	**2** J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)Pyrene	mg/kg	5.6	0.5	0.5	**17**	ND	**8.9**	0.072 J	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	mg/kg	500	100	100	78	ND	41	0.31	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	mg/kg	NS	NS	NS	5.7 J	ND	1.9 J	ND	ND	ND	ND	0.087 J	ND	ND	ND	ND
Dibenzofuran	mg/kg	350	59	7	24	ND	9.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	mg/kg	NS	NS	NS	24	1	6.9	0.094 J	ND	ND	ND	6.8	ND	1.3	ND	0.4
Phenol	mg/kg	500	100	0.33	2.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	mg/kg	500	100	0.33	3.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	mg/kg				16	ND	6.7	0.052 J	ND	ND	ND	ND	ND	ND	ND	ND
Total Metals																
Lead, Total	mg/kg	1000	400	63	NA	NA	NA	NA	NA	NA	NA	8	NA	NA	NA	NA
Volatile Organics																
Tetrachloroethene	mg/kg	150	19	1.3	ND	ND	ND	ND	0.0004 J	ND	ND	ND	0.0012	ND	0.00049 J	ND
Benzene	mg/kg	44	4.8	0.06	0.14	ND	ND	1.4	ND	0.012	ND	ND	ND	0.67	ND	ND
Toluene	mg/kg	500	100	0.7	0.29	0.079 J	0.00053 J	4.6	0.0005 J	0.078	0.00046 J	11	0.00033 J	22	0.00084 J	ND
Ethylbenzene	mg/kg	390	41	1	0.15	1.1	0.00034 J	5.4	0.00045 J	0.05	ND	33	ND	13	ND	23
p/m-Xylene	mg/kg	NS	NS	NS	0.45	3.1	0.00037 J	19	0.0013 J	0.19	ND	110	ND	57	0.0011 J	14
o-Xylene	mg/kg	NS	NS	NS	0.18	0.72	ND	9.3	0.00035 J	0.081	ND	49	ND	20	0.00054 J	0.41 J
Xylenes, Total	mg/kg	500	100	0.26	0.63	3.8	0.00037 J	28	0.0017 J	0.27	ND	160	ND	77	0.0016 J	14 J
Styrene	mg/kg	NS	NS	NS	0.048 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	mg/kg	500	100	0.05	ND	ND	ND	0.19 J	ND	ND	ND	ND	0.0018 J	0.96 J	0.047	1.1 J
Carbon disulfide	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0018 J	ND
2-Butanone	mg/kg	500	100	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0063 J	ND
1,2,3-Trichloropropane	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51 J	ND	0.82 J
n-Butylbenzene	mg/kg	500	100	12	ND	0.75	ND	0.36	ND	0.0058	ND	8.2	ND	1.8	ND	11
sec-Butylbenzene	mg/kg	500	100	11	ND	0.46	ND	0.16	ND	ND	ND	4.3	ND	0.89	ND	6
tert-Butylbenzene	mg/kg	500	100	5.9	ND	0.075 J	ND	ND	ND	ND	ND	0.69 J	ND	ND	ND	0.93 J
Isopropylbenzene	mg/kg	NS	NS	NS	ND	0.69	ND	0.59	ND	0.0068	ND	9.9	ND	2.3	ND	11
p-Isopropyltoluene	mg/kg	NS	NS	NS	0.084	1	ND	0.18	ND	0.0037	ND	7.5	ND	1.4	0.0011 J	9.6
Naphthalene	mg/kg	500	100	12	33	1.6	0.16	3.1	0.001 J	0.02	0.00031 J	22	ND	5.4	0.0038 J	11
n-Propylbenzene	mg/kg	500	100	3.9	ND	1.1	ND	1.8	ND	0.016	ND	19	ND	4.5	ND	25
1,3,5-Trimethylbenzene	mg/kg	190	52	8.4	0.15 J	2.9	0.00034 J	4.1	0.00065 J	0.036	ND	54	ND	12	0.001 J	18
1,2,4-Trimethylbenzene	mg/kg	190	52	3.6	0.35 J	7.9	0.0008 J	13	0.0015 J	0.1	ND	140	ND	32	0.0031 J	68
p-Diethylbenzene	mg/kg	NS	NS	NS	0.14 J	5.8	0.00064 J	2.5	0.0005 J	0.031	ND	65	ND	12	ND	41
p-Ethyltoluene	mg/kg	NS	NS	NS	0.19 J	5	0.00064 J	8.6	0.00067 J	0.067	ND	110	ND	26	0.0012 J	28
1,2,4,5-Tetramethylbenzene	mg/kg	NS	NS	NS	0.06 J	1.2	0.00031 J	0.68	ND	0.0077	ND	16	ND	3	0.00084 J	20

Notes:

mg/kg	milligrams per kilogram
J	estimated concentration
E	concentration of analyte
bgs	below ground surface
ND	non detect
NA	not analyzed
NS	No Standard/Objective
BOLD	Exceeds respective NYSDEC SCO Restriced Commercial

Comparision Values:

NYSDEC SCO Restriced Residential: New York State Department of Environmental Conservation Soil Cleanup Objectives for Restricted Residential use

NYSDEC SCO Restriced Commercial: New York State Department of Environmental Conservation Soil Cleanup Objectives for Restricted Commercial use

NYSDEC SCO Unrestriced: New York State Department of Environmental Conservation Soil Cleanup Objectives for Unresticted use

TABLE 2: SOIL GAS SAMPLE DATA SUMMARY
112 West 25th Street New York, New York 10001

ANALYSIS	UNITS	EPA VISL-SS Residential	EPA VISL-SS Commercial	AEI SG5 9/28/2015 17 (feet bgs)		AEI SG3 9/28/2015 14 (feet bgs)	AEI SG2 9/28/2015 15 (feet bgs)	AEI SG1 9/28/2015 16 (feet bgs)	AEI SG4 (5-5.5) 10/1/2015 5 (feet bgs)	AEI SG4 (15-15.5) 10/1/2015 15 (feet bgs)	AEI SG5 (4.5-5) 10/1/2015 4.5 (feet bgs)
Volatile Organics											
Ethyl Alcohol	ug/m3	NS	NS	ND		ND	ND	ND	ND	ND	24.5
Acetone	ug/m3	1100000	4500000	ND		ND	ND	ND	ND	ND	145
n-Hexane	ug/m3	24000	100000	**6870000**		**2990000**	**3240000**	**849000**	46200	**3200000**	32.4
Benzene	ug/m3	12	52	**4630**		**114000**	**434000**	**23000**	ND	**47000**	4.41
Cyclohexane	ug/m3	210000	880000	**2610000**		**960000**	**1070000**	179000	35100	771000	50.3
Trichloroethene	ug/m3	16	100	ND		ND	ND	ND	ND	ND	53
2,2,4-Trimethylpentane	ug/m3	NS	NS	4390	U	635000	1480000	1350000	12900	345000	ND
Heptane	ug/m3	NS	NS	4040000		1730000	2820000	1090000	11400	1090000	19.5
Toluene	ug/m3	170000	730000	200000		**1060000**	**1270000**	403000	312	73500	11.4
Tetrachloroethene	ug/m3	360	1600	ND		ND	ND	ND	365	ND	110
Ethylbenzene	ug/m3	37	160	**75100**		**168000**	**183000**	**233000**	ND	**9990**	10.3
p/m-Xylene	ug/m3	3500	15000	**106000**		**434000**	**423000**	**747000**	ND	**16400**	116
o-Xylene	ug/m3	3500	15000	**31800**		**116000**	**85100**	**148000**	ND	ND	86
4-Ethyltoluene	ug/m3	NS	NS	ND		ND	ND	ND	ND	ND	19.5
1,3,5-Trimethylbenzene	ug/m3	NS	NS	ND		ND	ND	ND	ND	ND	24.6
1,2,4-Trimethylbenzene	ug/m3	240	1000	ND		ND	ND	ND	ND	ND	20.6

Notes:

ug/m3	micrograms per cubic meter
bgs	below ground surface
ND	not detected
Bold	Result exceeds EPA VISL-SS Commercial
EPA	Environmental Protection Agency

Comparision Values:
EPA VISL-SS Residential: EPA Vapor Intrusion Screening Levels-Target Sub-Slab Soil Gas Concentrations-RESIDENTIAL
EPA VISL-SS Commercial: EPA Vapor Intrusion Screening Levels-Target Sub-Slab Soil Gas Concentrations-COMMERCIAL

TABLE 3: GROUNDWATER SAMPLE DATA SUMMARY
112 West 25th Street New York, New York 10001

ANALYSIS	UNITS	NYSDEC GWQS	MW-1D 10/28/2015 25-35 (feet bgs)	MW-2 10/28/2015 8-18 (feet bgs)	MW-3 10/28/2015 12-27 (feet bgs)	MW-4 10/28/2015 8-23 (feet bgs)	MW-5 10/28/2015 10-25 (feet bgs)	DUP 10/28/2015 12-27 (feet bgs)	FB 10/28/2015 - (feet bgs)	TB 10/28/2015 - (feet bgs)
Organochlorine Pesticides										
Endosulfan I	ug/l	NS	ND	ND	ND	1.09	2.38	ND	ND	- -
trans-Chlordane	ug/l	NS	ND	0.012 J	ND	ND	ND	ND	0.009 J	- -
Chlordane	ug/l	0.05	ND	**0.26**	ND	ND	ND	ND	ND	- -
Polychlorinated Biphenyls										
PCBs, Total	ug/l	NS	ND	ND	ND	ND	ND	ND	ND	- -
Semivolatile Organics										
2,4-Dimethylphenol	ug/l	2	ND	ND	**26**	ND	ND	**23**	ND	- -
Phenol	ug/l	2	ND	ND	**26**	**11**	ND	**23**	ND	- -
2-Methylphenol	ug/l	5	ND	ND	**32**	ND	2.3 J	**27**	ND	- -
3-Methylphenol/4-Methylphenol	ug/l	NS	ND	ND	30	ND	2.3 J	25	ND	- -
Acenaphthene	ug/l	20	0.17 J	0.18 J	ND	ND	ND	ND	ND	- -
Fluoranthene	ug/l	50	0.09 J	0.07 J	ND	ND	ND	ND	ND	- -
Naphthalene	ug/l	10	ND	0.3	**85**	**60**	**76**	**80**	ND	- -
Anthracene	ug/l	50	0.07 J	0.07 J	ND	ND	ND	ND	ND	- -
Fluorene	ug/l	50	0.08 J	0.12 J	ND	ND	ND	ND	ND	- -
Phenanthrene	ug/l	50	0.02 J	0.17 J	ND	ND	0.18 J	ND	ND	- -
Pyrene	ug/l	50	0.1 J	0.06 J	ND	ND	ND	ND	ND	- -
Pentachlorophenol	ug/l	1	ND	ND	ND	ND	ND	ND	ND	- -
2-Methylnaphthalene	ug/l	50	ND	0.05 J	13	15	26	12	ND	- -
Total Metals										
Aluminum, Total	ug/l	2000	23	36	25	**5670**	481	23	8 J	- -
Antimony, Total	ug/l	6	1.7 J	1.9 J	0.6 J	**8.7**	0.3 J	0.5 J	ND	- -
Arsenic, Total	ug/l	50	7.1	6.2	12.6	3.9	4.5	12.4	ND	- -
Barium, Total	ug/l	2000	69.7	74.2	803.7	821	666.5	796.7	0.2 J	- -
Beryllium, Total	ug/l	3	ND	ND	ND	0.3 J	ND	ND	ND	- -
Calcium, Total	ug/l	NS	227000	257000	268000	155000	172000	261000	150	- -
Chromium, Total	ug/l	100	10.4	10.3	12.3	22.8	13.6	10.9	ND	- -
Cobalt, Total	ug/l	NS	4.3	1.1	0.7	5.6	0.9	0.7	ND	- -
Copper, Total	ug/l	1000	3.5	2.3	1.2	17.2	2.7	0.96 J	ND	- -
Iron, Total	ug/l	600	**7880**	**5120**	**8540**	**16900**	**5610**	**8490**	ND	- -
Lead, Total	ug/l	50	1.3	0.8 J	4.2	**87.4**	7.9	3.6	ND	- -
Magnesium, Total	ug/l	35000	**67200**	**45000**	**85400**	**60000**	**41600**	**76800**	ND	- -
Manganese, Total	ug/l	600	196.4	122	**3409**	**3050**	**3641**	**3247**	ND	- -
Nickel, Total	ug/l	200	14.6	15.2	9.3	18.1	9.9	8.2	ND	- -
Potassium, Total	ug/l	NS	76800	66900	51300	32400	28200	45300	ND	- -
Selenium, Total	ug/l	20	**41**	**42**	1 J	2 J	ND	1 J	ND	- -
Silver, Total	ug/l	100	0.1 J	0.1 J	0.1 J	ND	ND	ND	ND	- -
Sodium, Total	ug/l	NS	562000	516000	674000	357000	162000	570000	28 J	- -
Thallium, Total	ug/l	0.5	**1.2**	0.4 J	ND	0.1 J	ND	ND	ND	- -
Vanadium, Total	ug/l	NS	0.8 J	2.7 J	2.1 J	15.5	1.8 J	2 J	ND	- -
Zinc, Total	ug/l	5000	8.6 J	2.9 J	3.7 J	26.1	5 J	ND	ND	- -
Volatile Organics										
Methylene chloride	ug/l	5	2.6	1.7 J	ND	ND	ND	ND	ND	ND
Chloroform	ug/l	7	4	5.6	ND	ND	**8.4** J	ND	ND	ND
Tetrachloroethene	ug/l	5	ND	0.21 J	ND	ND	ND	ND	ND	ND
Benzene	ug/l	1	**7.3**	**46**	**3000**	**2700**	**400**	**2900**	ND	ND
Toluene	ug/l	5	ND	1.1 J	**2100**	**100** J	**820**	**2100**	ND	ND
Ethylbenzene	ug/l	5	ND	ND	**550**	**520**	**440**	**550**	ND	ND
Bromomethane	ug/l	5	2.2 J	1.7 J	ND	ND	ND	ND	ND	ND
Methyl tert butyl ether	ug/l	10	**30**	**30**	ND	ND	ND	ND	ND	ND
p/m-Xylene	ug/l	5	ND	1.2 J	**1800**	**600**	**1600**	**1800**	ND	ND
o-Xylene	ug/l	5	ND	1.3 J	**730**	**53** J	**640**	**730**	ND	ND
Xylenes, Total	ug/l	5	ND	2.5 J	**2500**	**650** J	**2200**	**2500**	ND	ND
1,2,3-Trichloropropane	ug/l	0.04	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/l	50	5.2	13	**650**	**300**	**71**	**650**	1.5 J	2.3 J
2-Butanone	ug/l	50	ND	ND	ND	ND	ND	**660**	ND	ND
n-Butylbenzene	ug/l	5	ND	ND	ND	ND	**16** J	ND	ND	ND
sec-Butylbenzene	ug/l	5	ND	ND	ND	ND	**7** J	ND	ND	ND
tert-Butylbenzene	ug/l	5	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ug/l	5	ND	ND	ND	**51** J	**54**	ND	ND	ND
p-Isopropyltoluene	ug/l	5	ND	ND	ND	ND	**12** J	ND	ND	ND
Naphthalene	ug/l	10	0.94 J	4.8	**180** J	**170**	**130**	**170** J	ND	ND
n-Propylbenzene	ug/l	5	ND	ND	**89** J	**62** J	**65**	**88** J	ND	ND
1,3,5-Trimethylbenzene	ug/l	5	ND	ND	**110** J	**100** J	**200**	**100** J	ND	ND
1,2,4-Trimethylbenzene	ug/l	5	ND	1.9 J	**640**	**260**	**560**	**620**	ND	ND
p-Diethylbenzene	ug/l	NS	ND	2 U	200 U	42 J	85	ND	ND	ND
p-Ethyltoluene	ug/l	NS	ND	2 U	270	94 J	400	260	ND	ND
1,2,4,5-Tetramethylbenzene	ug/l	5	ND	1.6 J	ND	ND	**27**	ND	ND	ND

Notes:

ug/l	microgram per liter
bgs	below ground surface
ND	non detect
BOLD	Exceeds respective standard
NS	No Standard/Objective
-	Not Analyzed
NYSDEC	New York State Department of Environmental Conservation

Comparision Values:
NYSDEC GWQS: NYSDEC Groundwater Quality Standards

TABLE 3: GROUNDWATER SAMPLE DATA SUMMARY
112 West 25th Street New York, New York 10001

Analysis	Units	NYSDEC GWQS	AEI TWP-3 5/14/2015	AEI TWP-6 5/14/2015
SVOCs via EPA Method 8270				
Bis(2-Ethylhexyl)phthalate	µg/L	5	ND	ND
Biphenyl	µg/L	NS	3.6 J	5 J
2,4-Dimethylphenol	µg/L	5	**17 J**	**74**
3-Methylphenol/4-Methylphenol	µg/L	NS	5.7 J	17 J
Naphthalene	µg/L	10	**700**	**760**
2-Methylnaphthalene	µg/L	NS	210	330
Pentachlorophenol	µg/L	1	ND	ND
VOCs via EPA Method 8260				
Benzene	µg/L	1	**17 J**	**1000**
Toluene	µg/L	5	**620**	**3200**
Ethylbenzene	µg/L	5	**660**	**2400**
p/m-Xylene	µg/L	NS	3300	9200
o-Xylene	µg/L	NS	1500	3100
Xylenes, Total	µg/L	NS	4800	12000
1,2,3-Trichloropropane	µg/L	0.04	ND	ND
n-Butylbenzene	µg/L	5	**40 J**	**84 J**
sec-Butylbenzene	µg/L	5	ND	ND
tert-Butylbenzene	µg/L	5	ND	ND
Isopropylbenzene	µg/L	5	**65 J**	**160 J**
p-Isopropyltoluene	µg/L	NS	ND	ND
Naphthalene	µg/L	10	**520**	**1200**
n-Propylbenzene	µg/L	5	**160**	**390**
1,3,5-Trimethylbenzene	µg/L	5	**360**	**840**
1,2,4-Trimethylbenzene	µg/L	5	**1300**	**3000**
p-Ethyltoluene	µg/L	NS	950	2200
1,2,4,5-Tetramethylbenzene	µg/L	NS	90	190 J
Total Lead via EPA Method 6010				
Total Lead	µg/L	25	**54.88**	6.73

Notes:

µg/L	micrograms per liter
J	esitmated concentration
ND	non detect
NA	not analyzed
NS	No Standard
Bold	Result exceeds applicable Comparision Value

Comparision Values:
NYSDEC GWQS: New York State Department of Conservation Groundwater Quality Standards

TABLE 3: GROUNDWATER SAMPLE DATA SUMMARY
112 West 25th Street New York, New York 10011

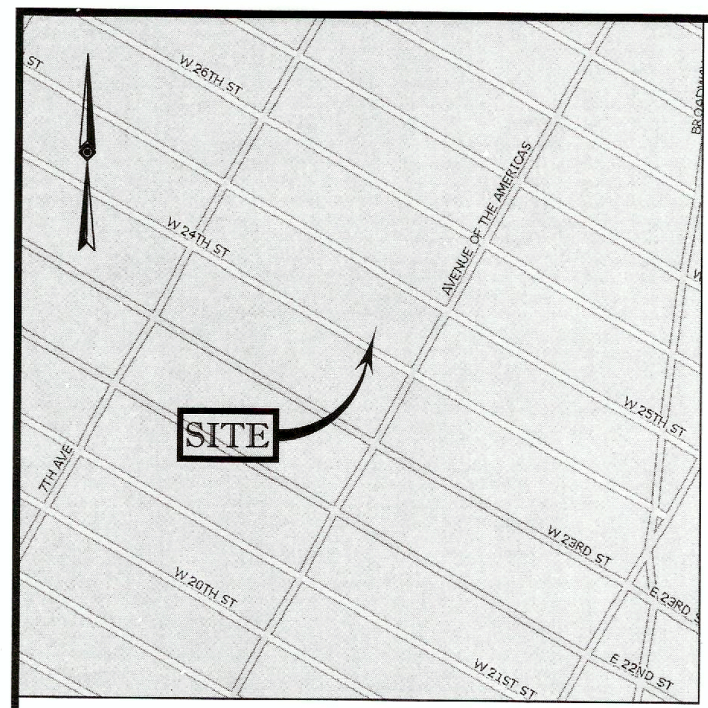
Analysis	Units	NYSDEC GWQS	AEI TWP-13 5/15/2015	AEI TWP-15 5/15/2015
SVOCs via EPA Method 8270				
Bis(2-Ethylhexyl)phthalate	µg/L	5	4.7	0.93 J
Biphenyl	µg/L	NS	7.2	1.5 J
2,4-Dimethylphenol	µg/L	5	ND	ND
3-Methylphenol/4-Methylphenol	µg/L	NS	ND	ND
Naphthalene	µg/L	10	**890**	**330**
2-Methylnaphthalene	µg/L	NS	620	140
Pentachlorophenol	µg/L	1	ND	**9.5 J**
VOCs via EPA Method 8260				
Benzene	µg/L	1	**19**	**21**
Toluene	µg/L	5	**3300**	**2300**
Ethylbenzene	µg/L	5	**3400**	**2400**
p/m-Xylene	µg/L	NS	6900	7800
o-Xylene	µg/L	NS	5900	4200
Xylenes, Total	µg/L	NS	1300	12000
1,2,3-Trichloropropane	µg/L	0.04	**140**	**120**
n-Butylbenzene	µg/L	5	**200**	**200**
sec-Butylbenzene	µg/L	5	**120**	**120**
tert-Butylbenzene	µg/L	5	**24 J**	ND
Isopropylbenzene	µg/L	5	**530**	**410**
p-Isopropyltoluene	µg/L	NS	220	200
Naphthalene	µg/L	10	**2100**	**1600**
n-Propylbenzene	µg/L	5	**870**	**700**
1,3,5-Trimethylbenzene	µg/L	5	**2600**	**2200**
1,2,4-Trimethylbenzene	µg/L	5	**4800**	**1400**
p-Ethyltoluene	µg/L	NS	3100	50
1,2,4,5-Tetramethylbenzene	µg/L	NS	560	550
Total Lead via EPA Method 6010				
Total Lead	µg/L	25	NA	NA

Notes:

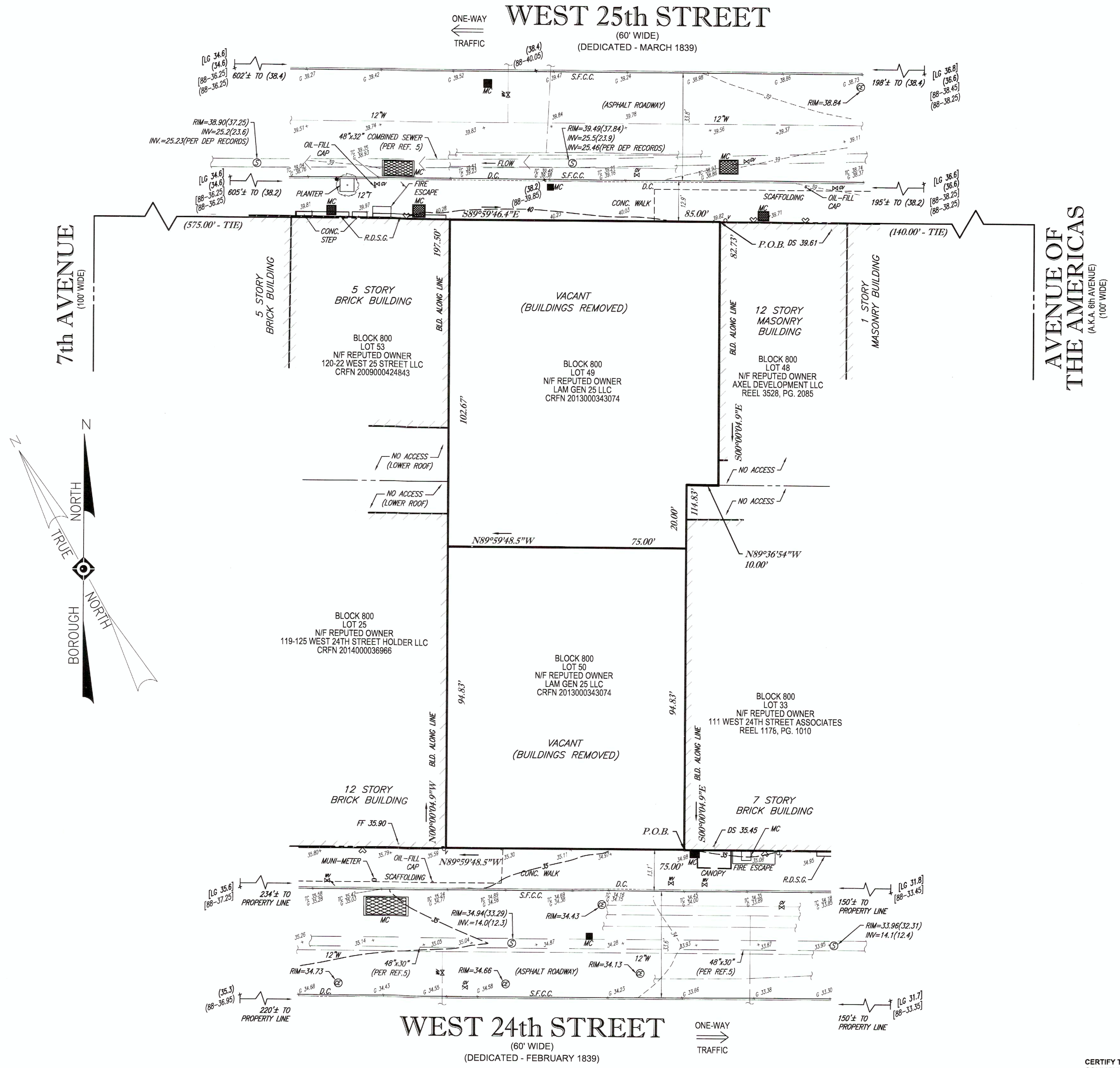
µg/L	micrograms per liter
J	esitmated concentration
ND	non detect
NA	not analyzed
NS	No Standard
Bold	Result exceeds applicable Comparision Value

Comparision Values:
NYSDEC GWQS: New York State Department of Conservation Groundwater Quality Standards

APPENDIX 1
Boundary & Topographic Survey – 112 W 25th ST
Lots 49 & 50, Block 800, New York, NY



VICINITY MAP
© 2008 DeLorme. Street Atlas USA



NOTES:

1. PROPERTY KNOWN AS LOTS 49 & 50, BLOCK 800, AS SHOWN ON THE NEW YORK CITY DIGITAL TAX MAP OF THE BOROUGH OF MANHATTAN, CITY, COUNTY AND STATE OF NEW YORK.
2. AREA LOT 49 = 8,527 S.F. OR 0.196 AC.
   AREA LOT 50 = 7,112 S.F. OR 0.163 AC.
   TOTAL AREA = 15,639 S.F. OR 0.359 AC.
3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE ASBUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.
4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
5. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN.
6. BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER REF. #2.
7. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
8. ALL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), WHICH IS 1.65 FEET BELOW THE MANHATTAN BOROUGH SEWER DATUM. ELEVATIONS ARE BASED UPON REFERENCE BENCHMARK 528 ELEVATION 40.216 FEET (BOROUGH OF MANHATTAN HIGHWAY DATUM), REPUTED TO BE 2.750 FEET ABOVE SEA LEVEL AT SANDY HOOK.

   TO CONVERT TO BOROUGH OF MANHATTAN HIGHWAY DATUM SUBTRACT 1.65 FROM THE ELEVATIONS LISTED, TO CONVERT TO NGVD 1929 ADD 1.1 TO THE ELEVATIONS LISTED.
9. THERE WERE NO NATURAL STREAMS OR WATERCOURSES VISIBLE AT THE TIME OF THE FIELD SURVEY.
10. ENCROACHMENTS AND VAULTS, IF ANY, BELOW SURFACE NOT SHOWN HEREON.
11. THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.

REFERENCES:

1. THE NEW YORK CITY DIGITAL TAX MAP OF THE BOROUGH OF MANHATTAN, CITY, COUNTY AND STATE OF NEW YORK.
2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, CITY OF NEW YORK, NEW YORK, BRONX, RICHMOND, NEW YORK, QUEENS AND KINGS COUNTIES," PANEL 201 OF 457, MAP NUMBER 3604970201F, MAP REVISED: SEPTEMBER 5, 2007.
3. BOROUGH SURVEY NO. 32 PROVIDED BY THE OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, TOPOGRAPHICAL BUREAU.
4. FINAL SECTION MAP NO. 42 PROVIDED BY THE OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, TOPOGRAPHICAL BUREAU.
5. SEWER MAPPING PROVIDED BY THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER AND SEWERS.
6. WATER MAPPING PROVIDED BY THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER AND SEWERS.
7. FIRE COMMUNICATIONS MAPPING PROVIDED BY THE CITY OF NEW YORK, MAP NUMBER 28.
8. MAP ENTITLED "MAP SHOWING A CHANGE OF GRADE ON WEST 25TH STREET BETWEEN BROADWAY AND SEVENTH AVENUE", PROVIDED BY THE OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, DATED APRIL 6, 1923. MAP NUMBER: ACC 25012.
9. MAP ENTITLED "MAP SHOWING A CHANGE OF GRADE ON WEST 24TH STREET BETWEEN BROADWAY AND SEVENTH AVENUE", PROVIDED BY THE OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, DATED APRIL 4, 1923. MAP NUMBER: ACC 25156.
10. APPLICATION FOR MERGERS OR APPORTIONMENTS (RP-602), BOROUGH OF MANHATTAN, BLOCK 800, LOT 49 DATED 9-05-2013 APPROVED 9-09-2013.

LEGEND

124 / 125	EXISTING CONTOUR
× 123.45	EXISTING SPOT ELEVATION
× TC 123.45	EXIST. TOP OF CURB ELEVATION
× G 122.95	EXIST. GUTTER ELEVATION
× FF 123.45	EXIST. FINISHED FLOOR ELEVATION
× DS 123.45	EXIST. DOOR SILL ELEVATION
× [LG 125.45]	LEGAL GRADE ELEVATION (PER REF. 4)
× (125.45)	EXIST. GRADE ELEVATION (PER REF. 4)
× [88-125.45]	LEGAL GRADE ELEVATION (PER REF. 4) CONVERTED TO NAVD 88 DATUM
× (88-125.45)	EXIST. GRADE ELEVATION (PER REF. 4) CONVERTED TO NAVD 88 DATUM
WV	WATER VALVE
GV	GAS VALVE
	FIRE DEPARTMENT CONNECTION
—— G ——	UNCONFIRMED LOC. UNDERGROUND GAS LINE (PER UTILITY MARK OUT - SEE NOTE 3)
—— E ——	UNCONFIRMED LOC. UNDERGROUND ELEC. LINE (PER UTILITY MARK OUT - SEE NOTE 3)
—— T ——	UNCONFIRMED LOC. UNDERGROUND TEL. LINE (PER UTILITY MARK OUT - SEE NOTE 3)
—— W ——	UNCONFIRMED LOC. UNDERGROUND WATER LINE (PER REF. 6, NOT FIELD VERIFIED - SEE NOTE 3)
V	VENT
	SIGN
S.F.C.C.	STEEL FACED CONCRETE CURB
D.C.	DEPRESSED CURB
MC	METAL COVER
R.D.S.G.	ROLL DOWN SECURITY GATE
(E)	ELECTRIC MANHOLE
(S)	SANITARY/SEWER MANHOLE RIM NAVD 88 (BOROUGH SEWER DATUM) INV. NAVD 88 (BOROUGH SEWER DATUM)
T#	DECIDUOUS TREE & TRUNK SIZE
FLOW ==>	FLOW DIRECTION

UTILITIES:

THE FOLLOWING COMPANIES WERE NOTIFIED BY THE NEW YORK CITY ONE-CALL SYSTEM (1-800-272-4480) AND REQUESTED TO MARK OUT UNDERGROUND FACILITIES AFFECTING AND SERVICING THIS SITE. THE UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED UPON THE UTILITY COMPANIES RESPONSE TO THIS REQUEST.
SERIAL NUMBER(S): 141910201

UTILITY COMPANY	PHONE NUMBER
AT&T CORPORATION	(903)753-3145
CABLEVISION OF NEW YORK CITY	(718)990-8757
CONSOLIDATED EDISON CO. OF N.Y	(718)472-2304
EMPIRE CITY SUBWAY MANHATTAN	(212)240-4653
EXTENET SYSTEMS	(800)262-8600
MCI	(800)289-3427
PORT AUTHORITY OF NY & NJ	(201)595-4841
RCN	(718)472-2304
TIME WARNER CABLE - MANHATTAN	(212)379-4191

NEW YORK CITY ONE CALL CENTER & L.I. 1-800-272-4480 STOP-CALL-THEN DIG Safely.

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COMMONWEALTH LAND TITLE INSURANCE COMPANY
FEDERAL STANDARD ABSTRACT, INC.
SHANGHAI COMMERCIAL BANK LTD., NEW YORK BRANCH, ITS SUCCESSOR AND/OR ASSIGNS
LAM GEN 25 LLC

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

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PREPARED BY:
CONTROL POINT ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NJ 07059
908.668.0099 - 908.668.9595 FAX
CHALFONT, PA 215.712.9800
SOUTHBOROUGH, MA 508.948.3000

NO.	DATE	BY	DESCRIPTION	APPROVED
8	4-15-2015	M.W.P.	REVISE PER CLIENT COMMENTS	G.J.S.
7	3-26-2015	W.S.H	ADD CERTIFIED PARTIES	G.J.S.
6	3-3-2015	W.S.H	ADD STREET AND SIDEWALK WIDTHS	G.J.S.
5	2-17-2015	W.S.H	PER ENGINEERS COMMENTS	G.J.S.
4	1-23-2015	W.S.H	REVISE PER SITE FIELD UPDATE	G.J.S.
3	12-10-2014	W.S.H	REVISE TO ADD DIMENSIONS & ELEVATIONS PER CLIENTS REQUEST	G.J.S.
2	11-18-2014	W.S.H	REVISE TO ADD ROOF SURVEY	G.J.S.

REVISIONS

PROJECT NAME
112 WEST 25th STREET
LOTS 49 & 50, BLOCK 800
BOROUGH OF MANHATTAN
COUNTY, CITY AND STATE OF NEW YORK

DRAWING TITLE
BOUNDARY & TOPOGRAPHIC SURVEY

SEAL & SIGNATURE

NOT VALID UNTIL SEALED WITH A BLUE INK SEAL

JAMES C. WEED 4-15-2015 DATE
NEW YORK PROFESSIONAL LAND SURVEYOR #50765

FIELD DATE:	7-17-14
FIELD BK:	14-14
F. B. PAGE:	96-104
DATE:	7-30-2014
SCALE:	1"=20'
PROJECT No:	C13372
DRAWING BY:	I.D.V.
CHK BY:	M.W.P.
APPROVED BY:	G.J.S.
DWG No:	V-001.8
CAD FILE No: C13372	PAGE No: 1 OF 1

APPENDIX 2
Proposed Development Plans – 112 W 25th ST Hotel, Nobutaka Ashihara Architect

Job No. B1308890

112 W 25TH Street- HOTEL

STRUCTURAL DRAWING LIST

WSP CANTOR SEINUK
STRUCTURAL ENGINEERS
228 East 45th Street, 3rd Floor New York, N.Y. 10017-3303
Tel: 212-687-9888 Fax: 646-487-5501 www.cantorseinuk.com

Submission: January 19th 2015 - 100% CD ISSUE

	SHEET #	SHEET NAME	SCALE	REV. #	SHEET #	DATE	ISSUE	
1	FO-001.00	GENERAL NOTES, LEGENDS AND ABBREVIATIONS	N.T.S.	1	1 - 61	JAN 19 2015	100% CD ISSUE	1
2	FO-100.00	FOUNDATION PLAN (SUB-CELLAR & CELLAR)	1/4"=1'-0"	1	2 - 61	JAN 19 2015	100% CD ISSUE	2
3	FO-110.00	CAISSON CAP PLAN DETAILS	1/4"=1'-0"	1	3 - 61	JAN 19 2015	100% CD ISSUE	3
4	FO-200.00	TYPICAL FOUNDATION DETAILS 1	AS NOTED	1	4 - 61	JAN 19 2015	100% CD ISSUE	4
5	FO-201.00	TYPICAL FOUNDATION DETAILS 2	AS NOTED	1	5 - 61	JAN 19 2015	100% CD ISSUE	5
6	FO-202.00	TYPICAL FOUNDATION DETAILS 3	AS NOTED	1	6 - 61	JAN 19 2015	100% CD ISSUE	6
7	FO-300.00	FOUNDATION SECTIONS	AS NOTED	1	7 - 61	JAN 19 2015	100% CD ISSUE	7
8	S-005.00	CELLAR FLOOR FRAMING PLAN	1/4"=1'-0"	1	8 - 61	JAN 19 2015	100% CD ISSUE	8
9	S-009.00	CELLAR FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	9 - 61	JAN 19 2015	100% CD ISSUE	9
10	S-010.00	1ST FLOOR FRAMING PLAN	1/4"=1'-0"	1	10 - 61	JAN 19 2015	100% CD ISSUE	10
11	S-014.00	1ST FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	11 - 61	JAN 19 2015	100% CD ISSUE	11
12	S-015.00	STAIR TRANSFER AT 1ST FLOOR FRAMING PLAN	1/4"=1'-0"	1	12 - 61	JAN 19 2015	100% CD ISSUE	12
13	S-019.00	STAIR TRANSFER AT 1ST FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	13 - 61	JAN 19 2015	100% CD ISSUE	13
14	S-020.00	2ND FLOOR FRAMING PLAN	1/4"=1'-0"	1	14 - 61	JAN 19 2015	100% CD ISSUE	14
15	S-029.00	2ND FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	15 - 61	JAN 19 2015	100% CD ISSUE	15
16	S-030.00	3RD FLOOR FRAMING PLAN	1/4"=1'-0"	1	16 - 61	JAN 19 2015	100% CD ISSUE	16
17	S-034.00	3RD FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	17 - 61	JAN 19 2015	100% CD ISSUE	17
18	S-035.00	STAIR TRANSFER AT 3RD FLOOR FRAMING PLAN	1/4"=1'-0"	1	18 - 61	JAN 19 2015	100% CD ISSUE	18
19	S-039.00	STAIR TRANSFER AT 3RD FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	19 - 61	JAN 19 2015	100% CD ISSUE	19
20	S-040.00	4TH FLOOR FRAMING PLAN	1/4"=1'-0"	1	20 - 61	JAN 19 2015	100% CD ISSUE	20
21	S-049.00	4TH FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	21 - 61	JAN 19 2015	100% CD ISSUE	21
22	S-050.00	TYPICAL 5TH-13TH FLOOR FRAMING PLAN (LOW RISE)	1/4"=1'-0"	1	22 - 61	JAN 19 2015	100% CD ISSUE	22
23	S-059.00	TYPICAL 5TH-13TH FLOOR GENERAL ARRANGEMENT PLAN (LOW RISE)	1/4"=1'-0"	1	23 - 61	JAN 19 2015	100% CD ISSUE	23
24	S-140.00	14TH FLOOR FRAMING PLAN (LOW RISE)	1/4"=1'-0"	1	24 - 61	JAN 19 2015	100% CD ISSUE	24
25	S-144.00	14TH FLOOR GENERAL ARRANGEMENT PLAN (LOW RISE)	1/4"=1'-0"	1	25 - 61	JAN 19 2015	100% CD ISSUE	25
26	S-145.00	STAIR TRANSFER AT 14TH FLOOR FRAMING PLAN	1/4"=1'-0"	1	26 - 61	JAN 19 2015	100% CD ISSUE	26
27	S-149.00	STAIR TRANSFER AT 14TH FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	27 - 61	JAN 19 2015	100% CD ISSUE	27
28	S-150.00	15TH FLOOR FRAMING PLAN (HIGH RISE)	1/4"=1'-0"	1	28 - 61	JAN 19 2015	100% CD ISSUE	28
29	S-159.00	15TH FLOOR GENERAL ARRANGEMENT PLAN (HIGH RISE)	1/4"=1'-0"	1	29 - 61	JAN 19 2015	100% CD ISSUE	29
30	S-160.00	TYPICAL 16TH-33RD FLOOR FRAMING PLAN (HIGH RISE)	1/4"=1'-0"	1	30 - 61	JAN 19 2015	100% CD ISSUE	30
31	S-169.00	TYPICAL 16TH-33RD FLOOR GENERAL ARRANGEMENT PLAN (HIGH RISE)	1/4"=1'-0"	1	31 - 61	JAN 19 2015	100% CD ISSUE	31
32	S-340.00	34TH FLOOR FRAMING PLAN	1/4"=1'-0"	1	32 - 61	JAN 19 2015	100% CD ISSUE	32
33	S-349.00	34TH FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	33 - 61	JAN 19 2015	100% CD ISSUE	33
34	S-350.00	MECHANICAL 35TH FLOOR FRAMING PLAN	1/4"=1'-0"	1	34 - 61	JAN 19 2015	100% CD ISSUE	34
35	S-354.00	MECHANICAL 35TH FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	35 - 61	JAN 19 2015	100% CD ISSUE	35
36	S-355.00	STAIR TRANSFER AT 35TH FLOOR FRAMING PLAN	1/4"=1'-0"	1	36 - 61	JAN 19 2015	100% CD ISSUE	36
37	S-359.00	STAIR TRANSFER AT 35TH FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	37 - 61	JAN 19 2015	100% CD ISSUE	37
38	S-360.00	36TH FLOOR FRAMING PLAN	1/4"=1'-0"	1	38 - 61	JAN 19 2015	100% CD ISSUE	38
39	S-364.00	36TH FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	39 - 61	JAN 19 2015	100% CD ISSUE	39
40	S-365.00	STAIR TRANSFER AT 36TH FLOOR FRAMING PLAN	1/4"=1'-0"	1	40 - 61	JAN 19 2015	100% CD ISSUE	40
41	S-369.00	STAIR TRANSFER AT 36TH FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	41 - 61	JAN 19 2015	100% CD ISSUE	41
42	S-370.00	37TH FLOOR FRAMING PLAN	1/4"=1'-0"	1	42 - 61	JAN 19 2015	100% CD ISSUE	42
43	S-379.00	37TH FLOOR GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	43 - 61	JAN 19 2015	100% CD ISSUE	43
44	S-380.00	MAIN ROOF FRAMING PLAN	1/4"=1'-0"	1	44 - 61	JAN 19 2015	100% CD ISSUE	44
45	S-389.00	MAIN ROOF GENERAL ARRANGEMENT PLAN	1/4"=1'-0"	1	45 - 61	JAN 19 2015	100% CD ISSUE	45
46	S-390.00	E.M.R. FLOOR & ROOF FRAMING PLANS	1/4"=1'-0"	1	46 - 61	JAN 19 2015	100% CD ISSUE	46
47	S-399.00	E.M.R. FLOOR & ROOF GENERAL ARRANGEMENT PLANS	1/4"=1'-0"	1	47 - 61	JAN 19 2015	100% CD ISSUE	47
48	S-940.00	SHEARWALL REINFORCEMENT PLAN & LINK BEAM SCHEDULE	AS NOTED	1	48 - 61	JAN 19 2015	100% CD ISSUE	48
49	S-945.00	TYPICAL SHEARWALL DETAILS	AS NOTED	1	49 - 61	JAN 19 2015	100% CD ISSUE	49
50	S-950.00	COLUMN SCHEDULE	N.T.S.	1	50 - 61	JAN 19 2015	100% CD ISSUE	50
51	S-955.00	TYPICAL COLUMN DETAILS	N.T.S.	1	51 - 61	JAN 19 2015	100% CD ISSUE	51
52	S-960.00	TYPICAL SUPERSTRUCTURE DETAILS 1	N.T.S.	1	52 - 61	JAN 19 2015	100% CD ISSUE	52
53	S-961.00	TYPICAL SUPERSTRUCTURE DETAILS 2	N.T.S.	1	53 - 61	JAN 19 2015	100% CD ISSUE	53
54	S-962.00	TYPICAL SUPERSTRUCTURE DETAILS 3	N.T.S.	1	54 - 61	JAN 19 2015	100% CD ISSUE	54
55	S-963.00	TYPICAL SUPERSTRUCTURE DETAILS 4	N.T.S.	1	55 - 61	JAN 19 2015	100% CD ISSUE	55
56	S-964.00	TYPICAL SUPERSTRUCTURE DETAILS 5	N.T.S.	1	56 - 61	JAN 19 2015	100% CD ISSUE	56
57	S-965.00	TYPICAL MASONRY DETAILS 1	N.T.S.	1	57 - 61	JAN 19 2015	100% CD ISSUE	57
58	S-966.00	TYPICAL MASONRY DETAILS 2	N.T.S.	1	58 - 61	JAN 19 2015	100% CD ISSUE	58
59	S-970.00	SUPERSTRUCTURE SECTIONS	N.T.S.	1	59 - 61	JAN 19 2015	100% CD ISSUE	59
60	S-980.00	TYPICAL STAIR DETAILS	N.T.S.	1	60 - 61	JAN 19 2015	100% CD ISSUE	60
61	S-985.00	STAIR A & B SCHEMATIC ELEVATION	AS NOTED	1	61 - 61	JAN 19 2015	100% CD ISSUE	61

ABBREVIATIONS:

AB	ANCHOR BOLT
ABV	ABOVE
AC	AIR CONDITIONER
ACI	AMERICAN CONCRETE INSTITUTE
ADD'L	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE ALUM ALUMINUM
ANCH	ANCHOR
ANG	ANGLE
APPD	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AVG	AVERAGE
AWS	AMERICAN WELDING SOCIETY
B	BASE
BETW	BETWEEN
BF	BRACE FRAME
BKT	BRACKET
BL	BUILDING LINE
BLDG	BUILDING
BM	BEAM
BOTT	BOTTOM
BRK	BRICK
B/STL	BOTTOM OF STEEL
BS	BOTH SIDES
CANT	CANTILEVER
CF	CUBIC FOOT
CG	CENTER OF GRAVITY
CIP	CAST IN PLACE
C.JT	CONCRETE JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNITS
COL	COLUMN
CONC	CONCRETE
COND	CONDITIONS
CONN	CONNECTION
CONST	CONSTRUCTIONS
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRUGATED
CY	CUBIC YARD
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DIR	DIRECTION
DN	DOWN
DWL	DOWEL
DWG	DRAWING
E	EAST
EA	EACH
EF	EACH FACE
EL	ELEVATION
ELEC	ELECTRIC
ELEV	ELEVATOR
EMBD	EMBEDMENT
ENCL	ENCLOSURE
EOR	ENGINEER OF RECORD
EOS	EDGE OF SLAB
EP	EMBEDDED PLATE
EQ	EQUAL
EQUIP	EQUIPMENT
ETC	ETCETERA
EW	EACH WAY
E-W	EAST WEST
EXIST	EXISTING
EXP	EXPANSION
EXP JT	EXPANSION JOINT
EXT	EXTENSION
EXTR	EXTERIOR
FL	FLOOR
FND	FOUNDATION
FOB	FACE OF BUILDING
FP	FIRE PROOFING
FT	FOOT
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GB	GRADE BEAM
GRTG	GRATING
GYP. BD	GYPSUM BOARD
H	HIGH
HDR	HEADER
HGT	HEIGHT
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HS	HIGH STRENGTH
HVAC	HEAT, VENTILATION & AIR CONDITIONING
ID	INSIDE DIAMETER
IF	INTERIOR FACE
IN	INCH
INCL	INCLUDING
INFO	INFORMATION
INSUL	INSULATION
JT	JOINT
K	KIP (1000 POUNDS)
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH

L	LOW
LB	LINK BEAM
LBS	POUNDS
LB/FT	POUNDS PER FOOT
Ld	DEVELOPMENT LENGTH
LG	LONG
LL	LIVE LOAD
LLRS	LATERAL LOAD RESISTING SYSTEM
LLV	LONG LEG VERTICAL
LP	LOW POINT
LRFD	LOAD RESISTANCE FACTOR DESIGN
LT	LIGHT
LW	LIGHT WEIGHT
MAX	MAXIMUM
MAS	MASONRY
MATER	MATERIAL
MAX	MAXIMUM
MC	MOMENT CONNECTION
MD	METAL DECK
MECH	MECHANICAL
MEP	MECHANICAL ELECTRICAL AND PLUMBING
MEZZ	MEZZANINE
MF	MOMENT FRAME
MFG	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
N-S	NORTH-SOUTH
NTS	NOT TO SCALE
NW	NORMAL WEIGHT
O/C	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
PC	PILE CAP
PCF	POUNDS PER CUBIC FEET
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST TENSION
RC	REINFORCED CONCRETE
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCEMENT
REQ'D	REQUIRED
RFI	REQUEST FOR INFORMATION
S	SOUTH
SB	SPANDREL BEAM
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SL	SLAB
SPA	SPACING
SPEC	SPECIFICATIONS
SQ	SQUARE
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
SW	SHEARWALL
SIM	SIMILAR
T&B	TOP AND BOTTOM
THK	THICK
T/	TOP OF
TBD	TO BE DETERMINED
TEMP	TEMPORARY
TSF	TONS PER SQUARE FOOT
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
U	UPTURNED BEAM
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WEST
W/	WITH
W/O	WITH OUT
WF	WIDE FLANGE
WP	WORKING POINT
WPG	WATER PROOFING
WS	WATER STOP
WT	WIND TRUSS
WWF	WELDED WIRE FABRIC
℄	CENTERLINE
PL	PLATE
∟	ANGLE
&	AND
ø	DIAMETER
@	AT

LOADING SCHEDULE

OCCUPANCY	PARTITION/FILL &/OR FINISHES (PSF)	CEIL. & MECH. (PSF)	LIVE LOAD (PSF)
ROOF	40	5	30
ACCESSIBLE ROOF/TERRACES	35	5	60
LOBBIES/STAIRS/ CORRIDORS	30	5	100
RESIDENTIAL/HOTEL GUESSROMMS	12	3	40
MECHANICAL ROOMS	20	5	150
GYM	20	5	100
RETAIL	30	5	100
FACADE / ENCLOSURE (IMPOSED AT THE SLAB PERIMETER: SDL = 40 PSF (PER FT OF HEIGHT)			

NOTES:
1. LOADS ARE AS SHOWN ABOVE U.O.N. ON PLAN.

GENERAL NOTES:

1. ALL WORK TO BE PERFORMED IN COMPLIANCE WITH THE NEW YORK CITY BUILDING CODE, LATEST EDITION AND ALL SUPPLEMENTS.
2. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD AND BE RESPONSIBLE FOR ACCURATE COORDINATION WHERE POSSIBLE. EXISTING FRAMING DIMENSIONS WAS TAKEN FROM EXISTING DWGS. AND SHALL BE VERIFIED ON SITE. DISCREPANCIES SHALL BE REPORTED TO ARCH. AND ENGINEER BEFORE PROCEEDING.
3. TEMPORARY SHORING IS REQUIRED AT ALL LOCATIONS WHERE PARTIAL REMOVAL OF BEAMS IS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR ENGINEERING AND CONTROLLED INSPECTION OF TEMPORARY SYSTEMS.
4. THE CONTRACTOR SHALL USE THESE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL AND MECHANICAL DEMOLITION DRAWINGS. IN THE EVENT OF CONFLICTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND THE ENGINEER.
5. U.O.N., ALL ELEVATIONS SHOWN ON THIS SET ARE BASED ON A PROJECT SPECIFIC DATUM LOCATED AT THE FIRST FLOOR LEVEL => ±0'-0" = +37.23 BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 [NAVD1988].

NON-STRUCTURAL ITEMS SHOWN ON THE STRUCTURAL/FOUNDATION DRAWINGS

1. THE FOLLOWING NON-STRUCTURAL ITEMS MAY BE SHOWN ON THE STRUCTURAL AND/OR FOUNDATION DRAWINGS FOR THE PURPOSE OF CLARITY IN INTERFACE WITH STRUCTURAL AND/OR FOUNDATION WORK. ITEMS BELOW MAY NOT BE FULLY DEFINED ON THE STRUCTURAL/FOUNDATION DRAWINGS. THE INFORMATION FOR NON-STRUCTURAL ELEMENTS IS FURNISHED BY OTHER CONSULTANTS AS LISTED BELOW. ALL RFI AND SHOP DRAWINGS RELATED TO THESE NON-STRUCTURAL ITEMS SHALL BE SUBMITTED TO THE CONSULTANTS LISTED BELOW FOR THEIR REVIEW AND APPROVAL.

GEOTECHNICAL ENGINEER:
- FOUNDATION/UNDERSLAB WATERPROOFING, DAMPPROOFING SYSTEMS
- WALL AND UNDERSLAB DRAINAGE SYSTEM, INCLUDING SUMP PITS, GRAVEL & PIPING, CLEANOUTS
- ROCK ANCHORS
- CAISSONS AND PILES, INCLUDING REINFORCMENT
- ROCK CONTOURS

ARCHITECT OF RECORD:
- SUMP PITS
- WATERPROOFING/DAMPPROOFING APPLIED TO EXPOSED SURFACES, ELEVATOR OR SUMP PIT INTERIOR SURFACES
- PAINT
- FIREPROOFING
- CONCRETE CURBS: HEIGHT, WIDTH, EXTENT, LOCATION
- BRICK, BLOCK, TILE MASONRY, METAL PANELS, PRECAST FACADE PANELS, CURTAIN WALLS AND ALL OTHER FACADE SYSTEMS
- ROOFING SYSTEMS, DRAIN LOCATIONS, SLOPES TO DRAINS FILLS, INSULATION, PAVERS OR GRAVEL
- FLOATING/SECONDARY SLABS

MASONRY NOTES

1. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR COMPLETE REQUIREMENTS FOR C.M.U. MASONRY CONSTRUCTION AND APPEARANCE. DETAILS AND NOTES SHOWN ON THE STRUCTURAL DRAWINGS ARE INTENDED TO SUPPLEMENT ARCHITECTURAL REQUIREMENTS AND TO DEFINE ELEMENTS WHICH PROVIDE STRUCTURAL STRENGTH AND STABILITY.
2. DETAILS, SECTIONS, SCHEDULES, ETC. AND THESE NOTES, REPRESENT THE MINIMUM REQUIREMENTS FOR STRUCTURAL ADEQUACY. WHERE ARCHITECTURAL REQUIREMENTS DIFFER FROM STRUCTURAL, THE MORE STRINGENT SHALL BE FOLLOWED.
3. CODE: MASONRY WALL CONSTRUCTION SHALL CONFORM TO THE NEW YORK CITY BUILDING CODE AND TO ACI 530/ASCE-5 AS REFERENCED BY THE NYC CODE.
4. MASONRY UNITS SHALL BE LIGHTWEIGHT HOLLOW LOAD BEARING CONCRETE MASONRY (CMU). COMPRESSIVE STRENGTH OF MASONRY F'M SHALL BE A MINIMUM OF 1,500 PSI.
5. MORTAR SHALL BE TYPE M OR S.
6. HORIZONTAL JOINT REINFORCEMENT SHALL BE TRUSS TYPE GALVANIZED COLD-DRAWN STEEL WIRE CONFORMING TO ASTM A 951.
7. PROVIDE HORIZONTAL JOINT REINFORCEMENT IN EVERY OTHER JOINT (16" O.C. VERTICALLY) UNLESS PLANS OR DETAILS CALL FOR CLOSER SPACING OR ADDITIONAL REINFORCEMENT.
8. BAR REINFORCEMENT: ASTM A 615 GRADE 60, PER SCHEDULE. FOR ADDITIONAL REINFORCEMENT SEE WALL REINFORCEMENT ELEVATION.
9. ALL CELLS WITH REINFORCEMENT SHALL BE GROUTED SOLID FOR THE FULL EXTENT OF BAR, VERTICAL AND HORIZONTAL.
10. GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI. GROUT SHALL BE "FINE" AS DEFINED BY ASTM C 476.
11. STEEL ANGLES: ASTM A 36. STEEL IN AN EXTERIOR WALL OR EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED. 12. CONTRACTOR SHALL COORDINATE ALL MASONRY WORK WITH WORK OF OTHER TRADES: ARCHITECTURAL, STRUCTURAL, MEP.
12. CONTRACTOR SHALL COORDINATE ALL MASONRY WORK WITH WORK OF OTHER TRADES: ARCHITECTURAL, STRUCTURAL, MEP.

ROCK ANCHOR / TIE-DOWN GENERAL NOTES

1. ROCK ANCHORS SHALL BE IN CONFORMANCE WITH LATEST PTI (POST – TENSIONING INSTITUTE) "RECOMMENDATIONS FOR PRESTRESSED ROCK AND SOIL ANCHORS". FOR SIZES AND LOCATIONS SEE FOUNDATION DRAWINGS.
2. ALL ROCK ANCHORS SHALL BE GRADE 150 THREADED BARS CONFORMING TO ASTM A-722. THREADED BARS SHALL BE PROVIDED WITH SHOP FABRICATED DOUBLE CORROSION PROTECTION. THREADED BARS, ANCHORAGE'S, CENTRALIZERS, ACCESSORIES, CORROSION PROTECTION SYSTEM, ETC. SHALL BE PROVIDED BY SAS STRESSTEEL OR APPROVED EQUAL.
3. THREADED BARS SHALL BE ENCAPSULATED WITH HIGH STRENGTH PVC CORRUGATED SHEATHING (COMPRESSIVE STRENGTH = 7,000 PSI) AND SHALL BE PRE-GROUTED BY THE MANUFACTURER.
4. PLATES SHALL CONFORM TO ASTM A-36, UNLESS GRADE 50 IS CALLED FOR IN THE DETAILS.
5. ANCHOR NUTS AND COUPLERS SHALL BE CAPABLE OF DEVELOPING 100% OF THE ULTIMATE STRENGTH OF THE THREADED BAR.
6. CARE MUST BE TAKEN NOT TO DAMAGE THE TENDONS. KEEP ALL COMPONENTS OF THE SYSTEM FREE OF DIRT OR OTHER DELETERIOUS SUBSTANCES.
7. DO NOT WELD IN THE VICINITY OF THE THREADED BARS.
8. DO NOT USE ANCHORS AS A GROUND FOR WELDING.
9. THE FIRST THREE ANCHORS INSTALLED, AND TEN PER CENT OF REMAINING ANCHORS, SHALL BE PERFORMANCE TESTED. ALL OTHER ANCHORS SHALL BE PROOF TESTED. ALL TESTS SHALL BE PERFORMED USING A CALIBRATED CENTER HOLE JACK.
10. PERFORMANCE TESTS SHALL BE MADE BY CYCLICALLY AND INCREMENTALLY LOADING AND UNLOADING THE ANCHOR IN ACCORDANCE WITH THE FOLLOWING SCHEDULE, WHERE AL= ALIGNMENT LOAD AND P= DESIGN LOAD:
    - 10.1 AL, 25P
    - 10.2 AL, .25P, .50P
    - 10.3 AL, .25P, .50P, .75P
    - 10.4 AL, .25P, .50P, .75P, 1.00P
    - 10.5 AL, .25P, .50P, .75P, 1.00P, 1.20P
    - 10.6 AL, .25P, .50P, .75P, 1.00P, 1.20P, 1.33P (TEST LOAD)

    HOLD 1.33P FOR CREEP TEST. RECORD MOVEMENTS AT EACH INCREMENT USING A DIAL INDICATOR CAPABLE OF READING INCREMENTS OF .001 INCH, ALL IN CONFORMANCE WITH PTI RECOMMENDATIONS. REDUCE LOAD TO "TRANSFER LOAD" (1.00 P) AND LOCK OFF ANCHOR NUT AT "TRANSFER LOAD"
11. PROOF TESTS SHALL BE MADE BY INCREMENTALLY LOADING THE ANCHOR: AL, .25P, .50P, .75P, 1.00P, 1.20P, 1.33P (TEST LOAD, TEN MINUTE HOLD) RECORD MOVEMENTS AT EACH INCREMENT IN CONFORMANCE WITH PTI RECOMMENDATIONS. REDUCE LOAD TO "TRANSFER LOAD" (1.00 P) AND LOCK OFF ANCHOR NUT AT "TRANSFER LOAD"
12. CONTRACTOR SHALL SUBMIT ANCHOR SHOP DRAWING(S) FOR APPROVAL PRIOR TO COMMENCING ANCHOR INSTALLATION. SHOP DRAWING(S) SHALL CONTAIN ANCHOR DETAILS, AND INSTALLATION AND TESTING PROCEDURES.

CAISSON NOTES:

1. THE DESIGN AND INSTALLATION OF DRILLED CAISSONS, CAISSON CAPS, AND RELATED CONSTRUCTION IS TO CONFORM TO THE REQUIREMENTS SET FORTH IN THE NEW YORK CITY BUILDING CODE, (SUB-ARTICLE 27-688 THROUGH 27-714 INCLUSIVE), AND THE SPECIFICATIONS.
2. DRILLED CAISSONS CAPACITIES TO BE:

    CAISSON TYPE 1 – 200 TONS
    - 200 TONS SERVICE COMPRESSION CAPACITY
    - 150 TONS SERVICE TENSION CAPACITY
    - 1 TON MIN. SERVICE LATERAL CAPACITY
    - STEEL CASING (GR. 50) = 9⅝"ø X 0.545" THICKNESS
    - MINIMUM CLASS 1C (OR BETTER) ROCK SOCKET LENGTH = 10'
    - INTERNAL REINF. (GR. 75) = 1-#24
    - GROUT F'c = 6500 PSI MIN

    CAISSON TYPE 2 – 440 TONS
    - 440 TONS SERVICE COMPRESSION CAPACITY
    - 170 TONS SERVICE TENSION CAPACITY
    - 1 TON MIN. SERVICE LATERAL CAPACITY
    - STEEL CASING (GR. 50) = 13⅝"ø X 0.48" THICKNESS
    - MINIMUM CLASS 1C (OR BETTER) ROCK SOCKET LENGTH = 10'
    - INTERNAL REINF. (GR. 75) = 4-#18 (IN ROCK SOCKET) & 2-#18 (ABOVE ROCK SOCKET)
    - GROUT F'c = 6500 PSI MIN

    FOR BALANCE OF INFORMATION AND FURTHER REQUIREMENTS REGARDING DRILLED CAISSONS, REFER TO GEOTECHNICAL REPORT DATED MARCH 3, 2015 FROM URS CORPORATION. FOR CAISSON AND CAISSON CAP DETAILS REFER TO FO-200 SERIES DRAWINGS.
3. CAISSONS INSTALLATION TO BE SUPERVISED BY A LICENSED PROFESSIONAL ENGINEER.
4. CAISSON DRILLING INSTALLATION TO BE IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE, SUB-ARTICALE 27-703 THRU 705, AND ARE SUBJECT TO CONTROLLED INSPECTION IN ACCORDANCE WITH N.Y.C. BUILDING CODE SUB-ARTICLE 27-721.
5. A PLAN SHOWING THE IDENTIFICATION OF ALL CAISSONS AND A CAISSON NUMBERING PLAN ARE TO BE SUBMITTED TO THE ENGINEER OF RECORD FOR FILING WITH THE BUILDING DEPARTMENT, PRIOR TO COMMENCEMENT OF INSTALLATION OPERATIONS, AS REQUIRED BY SUB-ARTICLE 27-688.
6. LOAD TESTS TO BE PERFORMED AS PER THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE. LOCATION OF TEST PILES TO BE APPROVED BY THE ENGINEER OF RECORD
7. ALL CAISSON GROUPS AND CAISSON CAPS TO BE CONCENTRIC WITH COLUMNS ABOVE UNLESS OTHERWISE NOTED ON PLAN.
8. RECORDS OF INSTALLATION OF EVERY CAISSON, AND THE BEHAVIOR OF SAME DURING INSTALLATION ARE TO BE SUBMITTED TO THE ENGINEER OF RECORD.
9. AN "AS-DRILLED" CAISSON LOCATION PLAN AND CAISSON LOGS ARE TO BE SUBMITTED TO ENGINEER OF RECORD FOR APPROVAL. NO CAISSON CAPS ARE TO BE PLACED BEFORE THIS IS DONE.

FOUNDATION NOTES:

A. EXCAVATION NOTES:

1. ALL TOWER FOUNDATIONS SHALL BEAR ON DRILLED CAISSONS (SEE DRILLED CAISSONS NOTE) AND/OR 20 TSF INSTALLED IN CLASS 1C ROCK OR BETTER, AS PER GEOTECHINCAL CONSULTANT RECOMMENDATIONS.
2. WHERE EXISTING FOUNDATIONS OF ADJACENT PROPERTY IS LOWER THAN ELEVATIONS SHOWN, NEW MAT FOUNDATION IS TO BE LOWERED TO SAME ELEVATION. WHERE NEW MAT FOUNDATION IS LOWER THAN EXISTING CONTRACTOR IS TO ESTABLISH EXISTING CONDITIONS BEFORE FOUNDATIONS, COMMENCING WORK AND NOTIFY THE ENGINEER.
3. ALL UNDERPINNING, SHEETING, SHORING OR OTHER CONSTRUCTION REQUIRED FOR THE SUPPORT OF ADJACENT PROPERTIES, BUILDINGS, SIDEWALKS, UTILITIES, ETC., SHALL BE SUBJECT TO CONTROLLED INSPECTION AS REQUIRED BY THE CODE. THE CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER ACCEPTABLE TO THE ENGINEER OF RECORD TO PROVIDE THE NECESSARY DESIGN AND THE SHALL PREPARE AND FILE THE REQUIRED FORMS FOR THE WORK WITH THE REQUIRED INSPECTION. THE CONTRACTOR'S PROFESSIONAL ENGINEER BUILDING DEPARTMENT.

B. CONCRETE AND STEEL REINFORCEMENT

1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE, U.O.N., AND COMPLY WITH A.C.I. BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE.
2. CONCRETE STRENGTH SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
    - CAISSON CAPS, FOOTINGS, MAT FOUNDATIONS
      SUPPORTING SHEAR WALLS — 10000 PSI MIN.
    - CAISSON CAPS & FOOTINGS
      SUPPORTING COLUMNS & FOUNDATION WALLS — 6000 PSI MIN.
    - FOUNDATION WALLS & COLUMN BUTTRESSES
      EAST & WEST WALLS (SUPPORTING SHEAR WALLS ABOVE) — 10000 PSI MIN.
      NORTH & SOUTH WALLS — 6000 PSI MIN.
    - PRESSURE SLAB/ SLAB ON GROUND * — 6000 PSI MIN.

    * IF SLAB ON GROUND IS POURED BEFORE THE COLUMNS ABOVE AND THE COLUMN STRENGTH IS 5950 PSI OR GREATER, THE SLAB ON GROUND STRENGTH IS TO BE ACCORDING TO THE "DETAIL OF BEAM AND SLAB CONCRETE PLACEMENT AT HIGH STRENGTH COLUMN." DWG. FO-203. IN ADDITION, THE DOWELS EXTENDING ABOVE THE FOOTINGS, PIERS OR PILE CAPS ARE TO BE LENGTHENED A MIN. 12", BEYOND THAT SHOWN OR CALLED FOR IN THE DETAILS.
3. ALL STEEL REINFORCEMENT SHALL HAVE AN ULTIMATE TENSILE STRENGTH OF 90,000 PSI AS PER A.S.T.M. A615-94 GRADE 60. A.S.T.M. A775-94D FOR EPOXY COATED REINFORCING BARS, AND A.S.T.M. A884-94a FOR EPOXY COATED STEEL WIRE AND WELDED WIRE FABRIC FOR REINFORCEMENT. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE NECESSARY CHAIRS, REBARS, TIES, SPACERS, ETC., TO SECURE AND SUPPORT THE REINFORCING WHILE PLACING THE CONCRETE.
4. ALL BARS MARKED CONTINUOUS, SHALL BE LAPPED 36 DIAMETERS AT SPLICES AND CORNERS EXCEPT AS OTHERWISE SHOWN ON PLANS. LAP CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AND BOTTOM BARS AT SUPPORTS. HOOK TOP BARS AT DISCONTINUOUS ENDS.
5. VERTICAL CONSTRUCTION JOINTS IN ALL WALLS SHALL BE USED ONLY IF UNAVOIDABLE, OR UNLESS OTHERWISE NOTED, AND TO BE LOCATED AT LEAST 4'-0" FROM ANY SUPPORTING COLUMN OR WALL OPENING. DISTANCE BETWEEN JOINTS IN WALL SHALL BE ALLOWED AS PER SPECIFICATIONS. NO HORIZONTAL CONSTRUCTION JOINTS WILL BE ALLOWED IN GRADE BEAMS.
6. IN NO CASE SHALL TRUCKS, BULLDOZERS, OR OTHER HEAVY EQUIPMENT BE PERMITTED CLOSER THAN 8'-0" FROM ANY FOUNDATION WALL UNLESS APPROVED BY THE ENGINEER.
7. TEMPORARY BRACING SHALL BE PROVIDED FOR ALL BUTTRESSES. WHERE BUTTRESSES DO NOT EXIST OR SPACING BETWEEN BUTTRESSES EXCEED 25 FEET, AND WHERE THE DIFFERENCE IN LEVEL BETWEEN INSIDE AND OUTSIDE GRADE IS MORE THAN 4'-0", INTERMEDIATE BRACING SHALL BE PROVIDED. WHERE RAMPS OCCUR, THE GRADE ELEVATION OUTSIDE OF RAMP WALLS SHALL BE USED IN FIGURING THE DIFFERENCE IN LEVEL. CORNER BUTTRESSES NEED NOT BE BRACED. NO BACKFILLING IS TO BE DONE BEFORE ALL SLABS BRACING WALLS ARE IN PLACE UNLESS APPROVED BY THE ENGINEER. PROVIDE TEMPORARY BRACING FOR ALL PIERS AND SUMP PITS.
8. CONTRACTOR TO INSTALL ALL PIPE SLEEVES, BOXED OPENINGS, ANCHOR BOLTS, ETC., AS REQUIRED FOR THE VARIOUS TRADES. WALL POCKETS TO RECEIVE BEAMS AND SLABS SHALL BE PROVIDED AS REQUIRED FOR THE SUPERSTRUCTURE. SHOP DRAWINGS SHOWING THE POSITION OF OPENINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.
9. MINIMUM COVER FOR REINFORCING STEEL SHALL BE ¾" FOR INTERIOR SLABS AND INTERIOR WALL SURFACES; 1½" FOR BEAMS, GIRDERS, AND COLUMNS (TIES, STIRRUPS OR PRIMARY REINFORCEMENT). FOR ALL CONCRETE EXPOSED TO WEATHER AND EARTH FILL, COVER SHALL BE 2" (1½" FOR STIRRUPS). FOR CONCRETE PLACED AGAINST EARTH, MINIMUM COVER SHALL BE 3".
10. THE CONTRACTOR MUST SUBMIT REINFORCING SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR REVIEW. NO CONSTRUCTION IS TO BE STARTED UNTIL THE SHOP DRAWINGS ARE REVIEWED BY THE ENGINEER.
11. THE STRUCTURAL ENGINEER OR HIS FIELD QUALIFIED REPRESENTATIVE MUST CHECK AND APPROVE ALL STEEL REINFORCING PRIOR TO CONCRETE PLACEMENT.

C. CODES AND TESTS

1. THIS STRUCTURE HAS BEEN DESIGNED UNDER THE PROVISIONS OF THE NEW YORK CITY BUILDING CODE AS AMENDED AND A.C.I. 318.
2. ALL CONTROLLED CONCRETE SHALL COMPLY WITH THE A.C.I. 318 BUILDING CODE. APPLICATION FOR CONTROLLED CONCRETE WITH CONCRETE TESTS AND CURVES OF TESTS FOR THE PRELIMINARY DESIGN MIX PREPARED BY AN APPROVED LABORATORY MUST BE SUBMITTED TO THE ENGINEER FOR FILING WITH THE BUILDING DEPARTMENT. NO CONCRETE SHALL BE PLACED WITHOUT THE DESIGN MIX BEING APPROVED BY THE BUILDING DEPARTMENT.
3. DESIGN AND CONSTRUCTION OF FORMWORK IS TO COMPLY WITH THE A.C.I. 318 BUILDING CODE AND NEW YORK CITY BUILDING CODE AS AMENDED.
4. THE DESIGN DETAILS AND NOTES INCLUDED HEREIN ARE IN COMPLIANCE WITH LOCAL LAW 17/95.

SUPERSTRUCTURE CONCRETE NOTES

A. CONCRETE

1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE, U.O.N., AND COMPLY WITH THE A.C.I. BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE.
2. CONCRETE STRENGTH SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
    - SHEAR WALLS, LINK BEAMS & COLUMNS REFER TO COLUMN SCHEDULE
    - SLABS AND BEAMS (U.O.N. ON PLANS) * 6000 PSI MIN.

    * WHERE SUPPORTING COLUMN STRENGTH IS GREATER THAN 1.4 TIMES THE SLAB CONCRETE STRENGTH, CONCRETE SLABS (IF POURED BEFORE COLUMNS ABOVE) MUST BE OF A STRENGTH ACCORDING TO THE *"DETAIL OF BEAM AND SLAB CONCRETE PLACEMENT AT HIGH CONCRETE STRENGTH COLUMN"*.
3. NO CONCRETE SHALL BE PLACED UNTIL THE CONTRACTOR HAS INSTALLED ALL THE INSERTS AND DOVETAILS NECESSARY TO PROVIDE SUPPORT FOR MULLIONS, APPLIED FINISHES, PARTITIONS, PIPES, DUCTS, EQUIPMENT, ETC., AS REQUIRED IN ARCHITECTURAL, H.V.A.C. AND STRUCTURAL DRAWINGS. WHERE BRICK VENEER EXCEEDS 18" IN HEIGHT, PROVIDE DOVETAIL TYPE MASONRY ANCHORS SPACED AT 24" O/C IN ALL BACK UP VERTICAL CONCRETE SURFACES.
4. CONTRACTOR SHALL VERIFY LOCATIONS AND DIMENSIONS OF ALL SLOTS, PIPEDE SLEEVES, DUCTS AND ANY OTHER CONCRETE PENETRATIONS AS REQUIRED FOR VARIOUS TRADES BEFORE CONCRETE IS PLACED.

SHOP DRAWINGS SHOWING COMPOSITE LAYOUT OF ALL PENETRATIONS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

5. ALL PLUMBING AND ELECTRICAL SLOTS SHALL BE FILLED WITH CONCRETE TO THE SAME DEPTH AS FLOOR AFTER CONDUITS AND/OR PIPES ARE INSTALLED.
6. NO PIPES OR CONDUITS EXCEEDING 1/3 SLAB THICKNESS IN OUTSIDE DIAMETER NOR OVER NOMINAL 2" INSIDE DIAMETER SHALL BE EMBEDDED SHOULD BE PLACED CLOSER THAN 3 DIAMETER ON CENTER NOR PASS WITHIN 24" OF COLUMN FACE, U.O.N. JUNCTION BOXES MAY BE PLACED IN STRUCTURAL CONCRETE SLAB BUT SHALL NOT EXCEED 4½"x4½"x3½" IN DEPTH AND SHALL BE SEPARATED FROM OTHER JUNCTION BOXES BY NOT LESS THAN 8" OF CONCRETE.
7. ALL MEMBERS IN THE FLOOR SYSTEM INCLUDING BEAMS, BRACKETS, COLUMN CAPITALS AND HAUNCHES SHALL BE PLACED MONOLITHICALLY. VERTICAL CONSTRUCTION JOINTS NECESSARY MAY BE MADE AT CENTER OF BEAM OR SLAB USING APPROVED BULKHEADS AND ADDITIONAL REINFORCING AS SHOWN ON DETAILS.
8. NO CONCRETE FLOOR SYSTEM IS TO BE INSTALLED UNTIL AT LEAST TWO HOURS HAVE PASSED AFTER THE SUPPORTING COLUMNS AND WALLS ARE PLACED.
9. WHEN PLACING CONCRETE AGAINST AN ADJACENT BUILDING OR AT EXPANSION JOINT, AT LEAST 1" (U.O.N.) OF HIGH DENSITY STYROFOAM SHALL BE PLACED AT THE INTERFACE BETWEEN THE EXISTING AND NEW CONCRETE. IN ADDITION, THE CONTRACTOR MUST TAKE ALL THE NECESSARY MEASURES SO AS NOT TO CREATE ANY DAMAGE TO THE EXISTING CONSTRUCTION WHILE PLACING THE NEW CONCRETE.
10. TEMPORARY SHORING AND RESHORING SHALL REMAIN IN PLACE AT LEAST 28 DAYS AFTER PLACEMENT OF CONCRETE.
11. NO DEVIATION FROM THE STRUCTURAL PLANS SHALL BE PERMITTED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE STRUCTURAL ENGINEER.

B. REINFORCEMENT

1. ALL STEEL REINFORCEMENT (STIRRUPS AND TIES INCLUSIVE) SHALL HAVE AN ULTIMATE TENSILE STRENGTH OF 90,000 PSI AS PER A.S.T.M. A615 GRADE 60. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE CHAIRS, REBARS, TIES, SPACERS, ETC., TO SECURE AND SUPPORT THE REINFORCING WHILE PLACING THE CONCRETE.

    NOTES FOR GRADE 80 AND GRADE 97 STEEL REINFORCEMENT:
    a. ALL 80 ksi AND 97 ksi REINFORCING SHALL MEET THE NYC BUILDING DEPARTMENT BULLETIN 2010-003 FOR MATERIAL AND SPECIAL INSPECTION REQUIREMENTS.
    b. THE YIELD STRENGTH OF 80 ksi and 97 ksi REBAR SHALL BE TAKEN AS THE STRESS CORRESPONDING TO A STRAIN OF 0.35% AS EVALUATED BY ASTM A370.
    c. MINIMUM REINFORCEMENT ELONGATION SHALL NOT BE LESS THAN 6% PER ASTM A370.
    d. MECHANICAL COUPLERS SHALL BE PROVIDED THAT CONFORM TO SECTION 3.5 OF AC 237 AND CHAPTER 12 OF ACI 318. ADDITIONALLY, MECHANICAL COUPLERS AND ACCESSORY SHALL COMPLY WITH AC 133. SPLICES SHALL BE STAGGERED SUCH THAT NO MORE THAN HALF OF THE TOTAL REINFORCEMENT IS SPLICED WITHIN 36 INCHES. ALTERNATE COUPLERS LOCATION AT EVERY OTHER BAR PER REQUIREMENTS OF THIS NOTE IN SHEAR WALLS, CONCRETE COLUMNS AND DIAGRIDS.
2. THE CONTRACTOR MUST SUBMIT REINFORCING SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR REVIEW. NO CONSTRUCTION IS TO BE STARTED UNTIL THE SHOP DRAWINGS ARE REVIEWED BY THE ENGINEER.
3. THE STRUCTURAL ENGINEER OR HIS FIELD QUALIFIED REPRESENTATIVE MUST CHECK AND APPROVE ALL STEEL REINFORCEMENT PRIOR TO CONCRETE PLACEMENT.
4. ALL REINFORCING BARS MARKED CONTINUOUS SHALL BE LAPPED AT SPLICES AND CORNERS IN CONFORMANCE WITH LAP SPLICE TABLES IN TYPICAL DETAILS UNLESS OTHERWISE NOTED. LAP CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AS REQUIRED. TERMINATE CONTINUOUS BARS AT END SUPPORTS WITH STANDARD HOOKS, U.O.N.
5. MINIMUM COVER FOR REINFORCING STEEL SHALL BE ¾" FOR INTERIOR SLABS AND INTERIOR WALL SURFACES; 1½" FOR BEAMS, GIRDERS AND COLUMNS (TIES, STIRRUPS OR PRIMARY REINFORCEMENT). FOR ALL CONCRETE EXPOSED TO WEATHER AND EARTH FILL, COVER SHALL BE 2" (1½" FOR STIRRUPS). FOR CONCRETE PLACED AGAINST EARTH, MINIMUM COVER SHALL BE 3".

C. CODES AND TESTS

1. THIS STRUCTURE HAS BEEN DESIGNED UNDER THE PROVISIONS OF THE NEW YORK CITY BUILDING CODE AS AMENDED AND A.C.I. 318.
2. ALL CONTROLLED CONCRETE SHALL COMPLY WITH THE A.C.I. 318 BUILDING CODE AND THE NEW YORK CITY BUILDING CODE. A SPECIAL AMENDMENT FORM FOR CONTROLLED CONCRETE WITH CONCRETE TESTS AND CURVES OF TESTS FOR THE PRELIMINARY DESIGN MIX PREPARED BY AN APPROVED LABORATORY MUST BE SUBMITTED TO THE ENGINEER FOR FILING WITH THE BUILDING DEPARTMENT. NO CONCRETE IS TO BE PLACED BEFORE SUCH AN AMENDMENT IS APPROVED BY THE BUILDING DEPARTMENT.
3. DESIGN AND CONSTRUCTION OF FORMWORK IS TO COMPLY WITH THE A.C.I. 318 BUILDING CODE AND THE NEW YORK CITY BUILDING CODE AS AMENDED.
4. TRANSPORTING, PLACING, CURING AND DEPOSITING OF CONCRETE SHALL COMPLY WITH THE A.C.I. BUILDING CODE.
5. ALL REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT" A.S.T.M. A615 GRADE 60. THE STEEL SUPPLIER SHALL PROVIDE THE ENGINEER WITH AN AFFIDAVIT OF THE PRODUCER OF STEEL CERTIFYING THAT THE STEEL MEETS THE REQUIREMENTS OF THE A.S.T.M.
6. ALL STRUCTURAL STEEL (LINTELS, DUNNAGE BEAMS, ETC.) SHALL CONFORM TO A.S.T.M. A-36, U.O.N.

D. SEISMIC AND WIND CRITERIA

1. THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE LATEST NEW YORK CITY BUILDING CODE (NYCBC 2008).
2. WIND DESIGN DATA:
    - BASIC WIND SPEED (3 SECOND GUST) = 98 mph
    - WIND INPORTANCE FACTOR = 1
    - WIND EXPOSURE = B
    - INTERNAL PRESSURE COEFFICIENT = ±0.18
3. EARTHQUAKE DESIGN DATA:

    AS PER FINAL GEOTECHNICAL REPORT DATED MARCH 3, 2015 FROM URS CORPORATION.
    - SEISMIC IMPORTANCE FACTOR = 1
    - S_S = 0.365g, S_{S1} = 0.071g
    - SITE CLASS = C
    - SEISMIC DESIGN CATEGORY = B
    - SEISMIC FORCE RESISTING SYSTEM = ORDINARY REINFORCED CONCRETE SHEARWALLS
    - DESIGN BASE SHEAR (V): E/W = 585 kips; N/S = 585 kips
    - SEISMIC RESPONSE COEFFICIENT (C): E/W = 0.0128; N/S = 0.0128
    - RESPONSE MODIFICATION FACTORS: R = 5
    - ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE PROCEDURE
4. STRUCTURAL SEPARATIONS, (NYCBC-1617.3.2): THE STRUCTURE SHALL BE SET BACK FROM THE PROPERTY LINE NOT COMMON TO A PUBLIC WAY BY 1"/50 ft. OF HEIGHT. SMALLER SETBACK SHALL BE PERMITTED WHEN JUSTIFIED BY ENGINEERING ANALYSIS BASED ON MAXIMUM EXPECTED GROUND MOTION.
5. UNDER THE PROVISION OF SECTION BC 1627 OF THE NEW YORK CITY BUILDING CODE A PEER REVIEW IS NOT REQUIRED FOR THIS PROJECT..

LEGEND:

a.	*	INDICATES ADDITIONAL WIND BARS
b.	[...]	INDICATES THE BOTTOM OF FOUNDATION WALL ELEVATION
c.	<...>	INDICATES THE TOP OF FOUNDATION WALL ELEVATION
d.	(...)	INDICATES TOP OF CAISSON CAP & FOOTING ELEVATION WHEN LOWER THAN 1'-0" BELOW T/SLAB ON GRADE ELEVATION
e.	CXX/FXX	INDICATES CAISSON CAP MARK/FOOTING DESIGNATION
f.	(XXxXX)	INDICATES SIZE OF PIER IN INCHES, FIRST DIMENSION SHOWN IS IN THE EAST-WEST DIRECTION.
g.	⊕	INDICATES ROCK ANCHOR / TIE-DOWN.
h.	←	INDICATES DRAIN DIRECTION
i.	⊙	INDICATES CLEANOUT
j.	———	INDICATES ADDITIONAL TOP REINFORCEMENT AT SUPPORTS
k.	– – –	INDICATES ADD'L BOTTOM REINFORCING AT SUPPORTS
l.		INDICATES ADDITIONAL TOP REINFORCEMENT CONTINUOUS BETWEEN SUPPORTS
m.		INDICATES ADDITIONAL BOTTOM REINFORCEMENT CONTINUOUS BETWEEN SUPPORTS
n.	1ST & 4TH LAYERS / 2ND & 3RD LAYERS	INDICATES ORDER OF BAR PLACEMENT AS SHOWN ON PLAN.
o.		INDICATES CHANGE IN ELEVATION
p.		INDICATES CONCRETE COLUMN/SHEARWALL/FOUNDATION WALL
q.		INDICATES CONCRETE COLUMN/SHEARWALL BELOW
r.		INDICATES CONCRETE WALL
s.	⊠	INDICATES SLAB OPENING (FIRST DIMENSION IS IN EAST-WEST DIRECTION)
t.		INDICATES COLUMN ABOVE OR BELOW
u.	(XX)	INDICATES COLUMN DESIGNATION
v.	(P)	INDICATES POST DESIGNATION:
w.	(SW-X)	INDICATES SHEARWALL DESIGNATION
x.	(ISO)	INDICATES MECHANICAL ISOLATOR (BY OTHERS) REFER TO MECHANICAL DRAWINGS
y.	*	INDICATES ARCH. TO VERIFY DIMENSIONAL INFORMATION
z.	?	INDICATES ARCH. TO PROVIDE DIMENSIONAL INFORMATION

POST/HANGER SCHEDULE:

a.	(P1)	INDICATES 14x24 CONC. POST (f'c=5000 PSI MIN.) REINF. W/4-#9 VERT. BARS & #3◻@12 HORIZ. TIES.
b.	(P2)	INDICATE 12x12 CONC. POST (f'c=5000 PSI MIN.) REINF. W/4-#6 VERT. BARS & #3◻@4 HORIZ. TIES.
c.	(H)	INDICATES 8x16 CONC. HANGER (f'c=5000 PSI MIN.) REINF. W/4-#9 VERT. BARS W/D6 LENTON TERMINATOR AT BOTH ENDS & #3◻@12 HORIZ. TIES MECHANICAL SPLICES MUST BE USED AS REQUIRED ON VERTICAL BARS
d.	(H2)	INDICATES 8x28 CONC. HANGER (f'c=5000 PSI MIN.) REINF. W/4-#9 VERT. BARS W/D6 LENTON TERMINATOR AT BOTH ENDS & #3◻@12 HORIZ. TIES MECHANICAL SPLICES MUST BE USED AS REQUIRED ON VERTICAL BARS

CONTROLLED INSPECTIONS

(TERMINOLOGY PER CURRENT TR-1) SPECIAL INSPECTION	CURRENT CODE REFERENCES	(PREVIOUS TERMINOLOGY) "CONTROLLED INSPECTION"
CONCRETE – CAST IN PLACE	1704.4	CONCRETE
CONCRETE TEST CYLINDERS* (TR2)	1905.6	CONCRETE TEST CYLINDERS
CONCRETE DESIGN MIX* (TR3)	1905.3	CONCRETE MIX DESIGN
MASONRY	1704.5	MASONRY
SOILS – SITE PREPARATION	1704.7.1	SUBGRADE
SOILS – FILL PLACEMENT & IN-PLACE DENSITY	1704.7.2 1704.7.3	CONTROLLED FILL –
SOILS – INVESTIGATIONS (BORINGS/TEST PITS) (TR4)	1704.7.4	BORINGS / TEST PITS
PILE FOUNDATIONS & DRILLED PIER INSTALLATION (TR5)	1704.8	PILING
PIER FOUNDATIONS	1704.9	(NONE)
UNDERPINNING	1704.9.1	UNDERPINNING
WALL PANELS, CURTAIN WALLS AND VENEERS (ATTACHMENT TO BUILDING)	1704.10	(NONE)
STRUCTURAL SAFETY – STRUCTURAL STABILITY	1704.19	STRUCTURAL STABILITY
EXCAVATION – SHEETING, SHORING AND BRACING	1704.19 & 3304.4.1	SHORING & SHEETING
FIRESTOP, DRAFTSTOP AND FIREBLOCK SYSTEMS	1704.25	(NONE)
PROGRESS INSPECTION		
FOOTING AND FOUNDATION	109.3.1	SOIL BEARING PRESSURE
FINAL	28-116.2.4.2 & 109.5 AND DIRECTIVE 14-(1975)	FINAL INSPECTION

* THESE TEST MUST BE PERFORMED BY A LICENSED CONCRETE TESTING LAB.

NOTES:
1. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SCOPE AND DETAILED REQUIREMENTS FOR INSPECTIONS.
2. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
3. REPORTS OF RESULTS SHALL BE SUBMITTED TO THE OWNER AND ARCHITECT FOR REVIEW. SIGNED COPIES OF ALL TESTS AND INSPECTION REPORTS SHALL BE FILED WITH THE BUILDING DEPARTMENT (THROUGH THE APPLICANT).
4. REPORTS SHALL STATE WHETHER RESULTS COMPLY WITH CONTRACT REQUIREMENTS, SUMMARIZE THE TYPE OF TEST, THE LOCATION OR COMPONENT TESTED, AND RECOMMEND ANY REMEDIAL MEASURES REQUIRED. REPORT SHOULD NOTE ANY OTHER DEVIATIONS FROM THE CONTRACT DOCUMENTS.
5. FOR ITEMS OF WORK OF OTHER TRADES WHICH ARE SUBJECT TO SPECIAL INSPECTION, SEE THE CITY OF NEW YORK BUILDING CODE, AS WELL AS ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, ETC. DRAWINGS AND SPECIFICATIONS.
6. IN ADDITION TO THE ABOVE REQUIREMENTS, ALL COLUMN SPLICE, BEAM MOMENT CONNECTIONS AT BEAMS DESIGNATED AS "LLRS" AND BRACE FRAME OR WIND TRUSS CONNECTIONS (PER S-940 SERIES OF DWGS.) SHALL COMPLY WITH THE INSPECTION REQUIREMENTS OF AWS D1.8 "STRUCTURAL WELDING CODE-SEISMIC SUPPLEMENT", IF WELDING IS PRESENT IN CONNECTION.

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REV.	DATE	DESCRIPTION
	03.27.15	FOUNDATION PRICING SET
	01.19.15	100% CD ISSUE
	11.07.14	75% CD ISSUE
	08.15.14	50% CD ISSUE
	06.27.14	100% DD ISSUE
	04.04.14	100% SD

112 W 25TH ST HOTEL

112 West 25th Street
New York, New York 10001

Owner / Developer:
Lam Group
202 Centre Street, 6th Floor
New York, New York 10013

Structural Engineer
WSP
228 East 45th Street, 3rd Floor
New York, NY 10017

MEP Engineer
Edward & Zuck PC Consulting Engineers
315 Park Avenue South
New York, NY 10010

Interior Designer
Stonehill & Taylor
31 West 27th Street
New York, NY 10001

Elevator Consultant
Jenkins & Huntington Elevator Consultating
1251 Avenue of the Americas
New York, NY 10020

PROJ. NO.	1308890
ISSUE DATE	
SCALE	N.T.S.
DRAWN	
CHECKED	

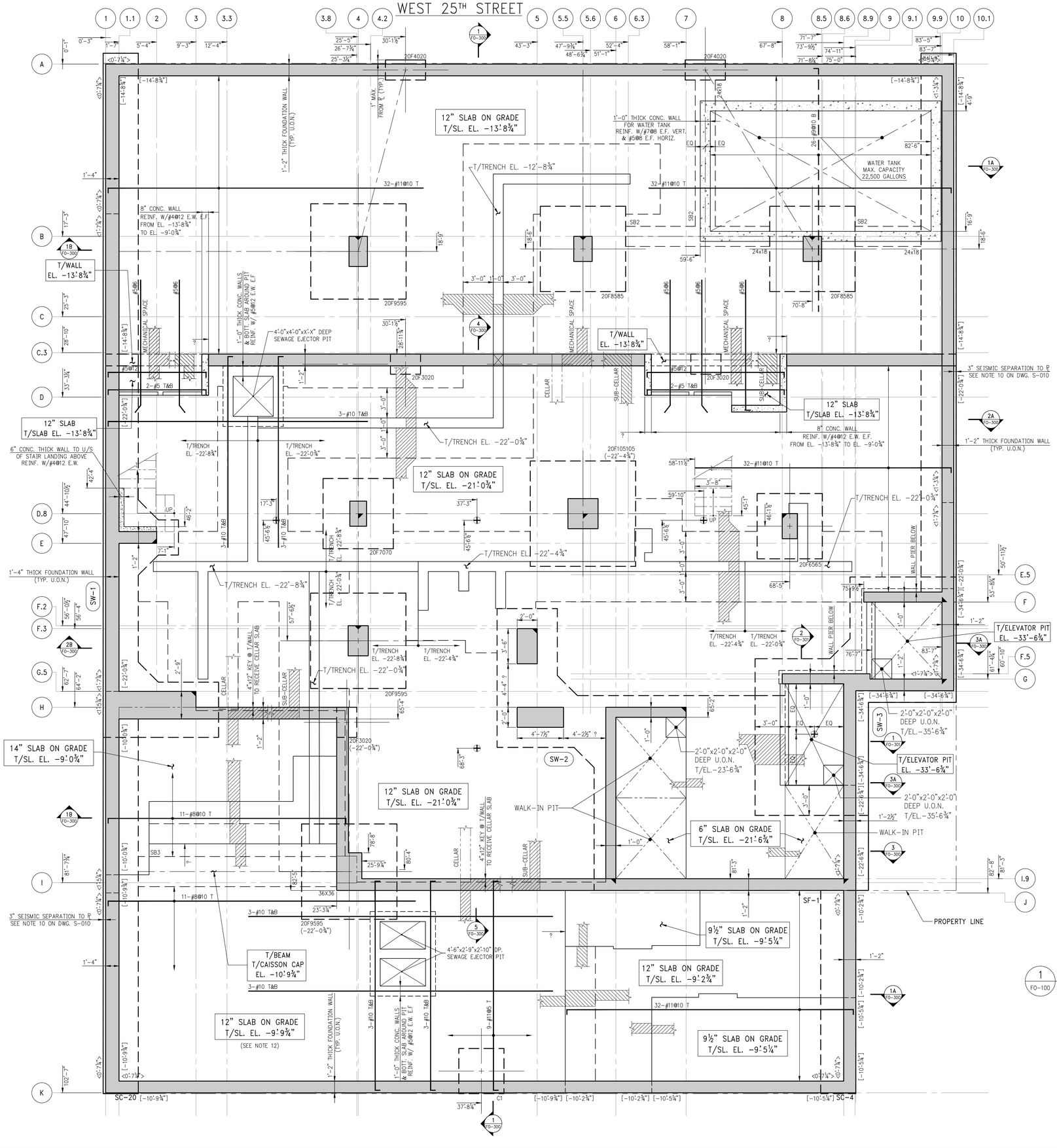
DWG. TITLE

GENERAL NOTES, LEGENDS AND ABBREVIATIONS

DWG. NO.

FO-001.00

NYC DOB Number



20 TSF FOOTING SCHEDULE					
MARK	SIZE	DEPTH	BOTTOM REINF. LONG BARS	BOTTOM REINF. SHORT BARS	REMARKS
20F3020	2'-0" x 3'-0"	2'-3"	6-#5	8-#5	
20F4020	2'-0" x 4'-0"	2'-3"	6-#5	8-#5	
20F6565	6'-6" x 6'-6"	3'-3"	12-#8		
20F7070	7'-0" x 7'-0"	3'-6"	12-#9		
20F8585	8'-6" x 8'-6"	4'-0"	13-#10		
20F9595	9'-6" x 9'-6"	4'-6"	18-#10		
20F105105	10'-6" x 10'-6"	5'-0"	17-#11		

NOTE:
1. ALL REBARS SHALL BE HOOKED AT BOTH ENDS.
2. Fc=6000 PSI

STRAP BEAM SCHEDULE							
MARK	SIZE (IN)	REINFORCEMENT BOTT.	REINFORCEMENT TOP	STIRRUPS TYPE	STIRRUPS SIZE	STIRRUPS SPACING (IN)	REMARKS
SB1							NOT USED
SB2	24x18	7-#11	7-#11	1	#5	@ 6"	
SB3	36X36	11-#11	11-#11	1	#5	@ 12"	

TYPE 1

STIRRUP TYPES
N.T.S.

1 / FO-100 FOUNDATION PLAN (SUB-CELLAR & CELLAR)
SCALE: ¼"=1'-0"

NOTES:
1. TOP OF SLAB ELEVATION TO BE [ ] U.O.N. ON PLAN
2. SLAB ON GRADE TO BE 12" THICK U.O.N. THUS [ ] ON PLAN.
3. SLAB ON GRADE REINFORCEMENT TO BE #5@10 T&B E.W. CONT. MAT. FOR 12" S.O.G. U.O.N.
4. CAISSON CAPS & FOOTINGS TO BE CENTERED ON COLUMNS OR WALLS U.O.N.
5. T/FOOTINGS & T/CAISSON CAPS TO BE 1'-0" BELOW T/SLAB ON GRADE ELEVATION, U.O.N. ON PLAN.
6. FOR FOUNDATION TYPICAL DETAILS SEE FO-200 SERIES DRAWINGS.
7. FOR FOUNDATION SECTIONS SEE FO-300 SERIES DRAWINGS.
8. FOR LINK BEAM SCHEDULE AND SHEARWALL DETAILS SEE S-940 SERIES DRAWINGS.
9. FOR COLUMN SIZES, REINFORCEMENT AND DETAILS SEE S-950 SERIES DRAWINGS.
10. TIE-DOWN CONFIGURATION SHOWN ON PLAN IS BASED ON UNDERGROUND WATER PRESSURE AFTER BATHTUB STAGE IS COMPLETE (FOUNDATION WALLS AND PRESSURE SLAB ARE CAST). 5 TIE-DOWNS TOTAL (75 TON UPLIFT CAPACITY) ARE REQUIRED UNDER THE ABOVE CONSIDERATIONS.
11. TRENCHES FOR UNDERGROUND PLUMBING SYSTEM ARE SHOWN SCHEMATICALLY. FINAL LOCATION & CONFIGURATION TO BE PROVIDED BY MEP ENGINEER/ARCHITECT. ANY DEVIATION FROM THE TRENCH LAYOUT AND ELEVATIONS SHOWN ON THIS DRAWING SHALL BE REVIEWED BY THE E.O.R.
12. DEPRESSED PRESSURE SLAB AREA TO BE FILLED UP W/ LT. WT. CONC. FILL TO EL. +9'-9¾" AFTER UNDERGROUND PLUMBING INSTALLATION AND TEST PROCEDURE IS COMPLETED
13. FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND SEE DRAWING FO-001.

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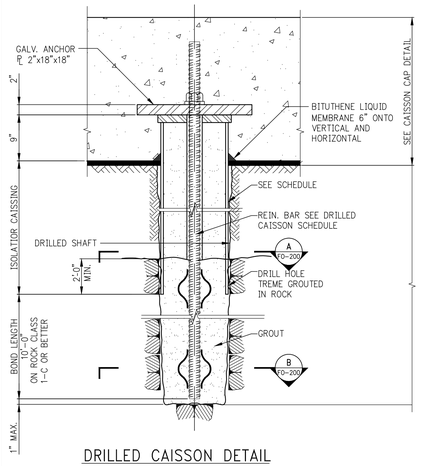
PROJ. NO. 1308890
ISSUE DATE
SCALE 1/4" = 1'-0"
DRAWN
CHECKED

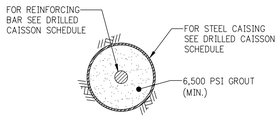
DWG. TITLE
FOUNDATION PLAN (SUB-CELLAR & CELLAR)

DWG. NO.
FO-100.00

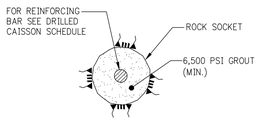
NYC DOB Number



DRILLED CAISSON DETAIL



SECTION A



SECTION B

CAISSON INSTALLATION NOTES:

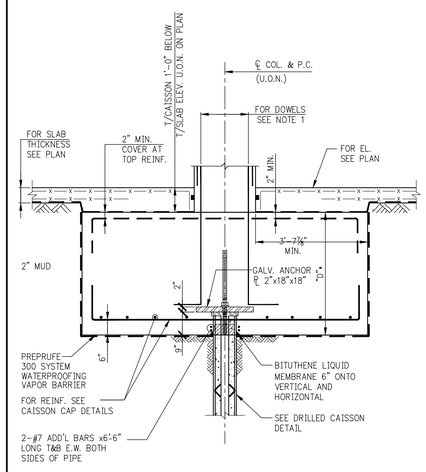
1. ALL CAISSONS SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE FOUNDATION PLAN DRAWING.
2. PERFORM UTILITY IDENTIFICATION AND EXPLORATION AS NECESSARY.
3. STEEL:
   3.1. THE CASING USED FOR CAISSON INSTALLATION SHALL HAVE A F'y= 50 KSI MIN.
   3.2. REINFORCING STEEL SHALL BE 75 KSI THREADED BAR.
4. GROUT:
   4.1. GROUT SHALL HAVE AT LEAST 6,500 PSI COMPRESSIVE STRENGTH IN 28 DAYS.
   4.2. A SET OF 3-INCH BY 6-INCH CYLINDERS OF GROUT SHALL BE TAKEN BY AN INDEPENDENT TESTING LABORATORY FOR EACH PILE GROUTED CYLINDERS. GROUT SHALL THEN BE TESTED BY SAME IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
   4.3. GROUT SHALL BE MIXED THOROUGHLY WITH A HIGH SPEED PADDLE MIXER.
   4.4. GROUT SHALL BE PUMPED USING A HYDRAULIC PUMP.
5. ROCK SOCKET LENGTH OF 10 FT FOR ALL CAISSONS.
6. INSTALLATION PROCEDURE: (AS FOR GEOTECHNICAL CONSULTANT.)
7. CALCULATED SOCKET LENGTHS ARE BASED ON 150 PSI PERIPHERAL SHEAR FOR THE ROCK. THE ROCK SOCKET AND STEEL BAR REINFORCEMENT LENGTHS MAY NEED TO BE INCREASED BASED ON THE RESULTS OF THE VIDEO INSPECTION OF THE ROCK SOCKETS IF A LESSER QUALITY ROCK IS ENCOUNTERED.

DRILLED CAISSON SCHEDULE

PURPOSE OF PREPARING DESIGN DRAWINGS AND EVALUATING COST, THE FOLLOWING OPTIONS CAN BE CONSIDERED

CAISSON	MAXIMUM ALLOWABLE COMPRESSION SERVICE CAPACITY (TONS)	MAXIMUM ALLOWABLE UPLIFT SERVICE CAPACITY (TONS)	STEEL CASING OUTSIDE DIAMETER (IN.)	STEEL CASING THICKNESS (IN.)	REINFORCING BAR QUANTITY AND SIZE	MINIMUM ROCK SOCKET LENGTH (FT)
C1	200	150	9.625	0.545	1-#24	10
C2	440	170	13.625	0.48	4-#18 (IN ROCK SOCKET) & 2-#18 (ABOVE ROCK SOCKET)	10

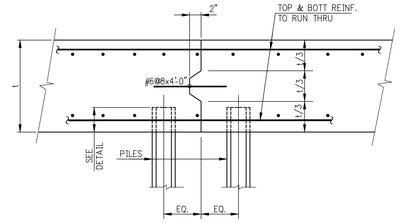
NOTES:
FOR BALANCE OF INFORMATION REFER TO GEOTECHNICAL REPORT.



TYPICAL CROSS SECTION THRU CAISSON CAP DETAIL

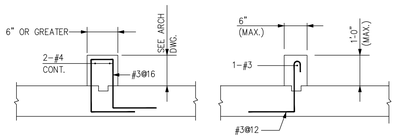
SCALE: ½" = 1'-0"

NOTES:
1. WHERE SLAB IS POURED OVER FOUNDATION PRIOR TO COLUMN, VERTICAL REINFORCING AND DOWEL LAP TO START AT TOP OF SLAB.
2. L INDICATES LENGTH OF THE CAISSONS.
3. * INDICATES THAT DEPTH OF CAISSON CAP SHALL BE INCREASED BY 9" WHEN LENGTH OF THE CAISSONS (L) IS 7'-0"< L< 10'-0" (I.E. CAISSON EMBED. = 1'-3")
4. ** CAISSON CAP REINF. PLACED EITHER SIDE OF CAISSON WHEN PILE EMBED. = 1'-3"
5. IF LENGTH OF CAISSONS IS LESS THAN 7'-0", CAISSONS SHALL BE CUT AND CAISSON CAP SHALL BE EXTENDED DOWN TO REST ON SUITABLE SOIL.



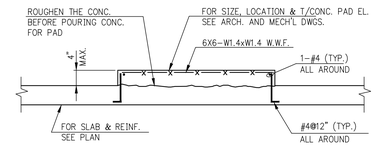
TYPICAL CAISSON CAP CONSTRUCTION JOINT DETAIL

FOR LOCATION SEE SHEAR WALL FOUNDATION DETAILS

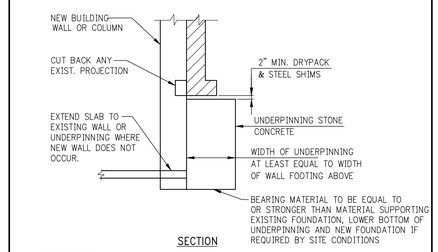


TYPICAL CONCRETE CURB DETAILS

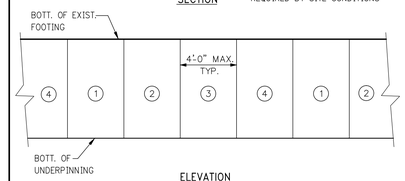
NOTE:
FOR LOCATION SEE ARCH./MECH'L DWGS.



TYP. CONC. PAD DETAIL



SECTION

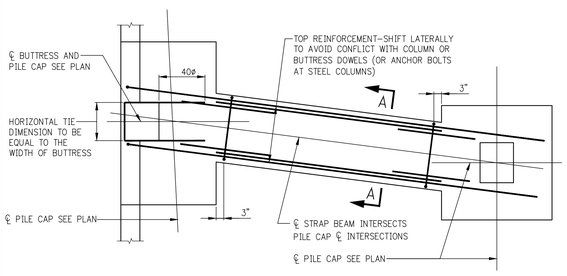


ELEVATION

NOTES:
1. EXCAVATE & PLACE PANELS IN ORDER SHOWN
2. MINIMUM CLEAR DISTANCE BETWEEN SIMULT. CUTS TO BE 12'-0"
3. CONCRETE FOR UNDERPINNING TO BE CONTROLLED STONE CONCRETE 3000 P.S.I.

SUGGESTED UNDERPINNING DETAIL

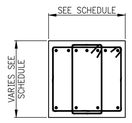
NOTES:
1. THIS DETAIL IS REPRESENTATIVE OF ONE METHOD OF UNDERPINNING UNDER PARTICULAR CIRCUMSTANCES. THE CONTRACTOR MUST EVALUATE THIS PROJECT AND DETERMINE EXACT METHODS AND PROCEDURES TO BE FOLLOWED.
2. CONTRACTOR'S UNDERPINNING DESIGN ENGINEER SHALL BE A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK AND SHALL REVIEW ALL AVAILABLE BORING DATA AND EXISTING CONDITIONS TO DETERMINE THE NECESSITY OF PRELOADING AND/OR JACKPILING TO PROTECT ADJACENT STRUCTURES PRIOR TO COMMENCEMENT OF UNDERPINNING OPERATIONS.
3. THE CONTRACTOR'S PROFESSIONAL ENGINEER SHALL FILE WITH THE BUILDING DEPARTMENT THE SELECTED PROCEDURE.



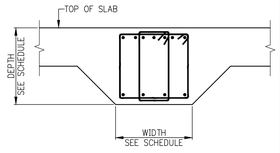
PLAN

STRAP BEAM BETWEEN PILE CAPS

NOTES:
STRAP BEAM MUST FRAME DIRECTLY TO PILE CAPS.
STRAP BEAMS MAY NOT FRAME TO PIERS OR BUTTRESSES.



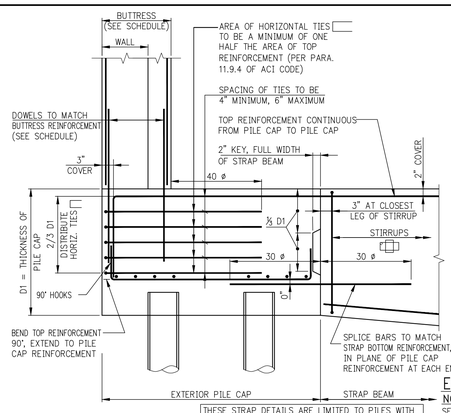
SECTION A-A



NOTE:
FOR SLAB DETAILS AND WATERPROOFING REQUIREMENTS SEE FOUNDATION PLANS AND DETAILS

ALTERNATIVE SECTION A-A

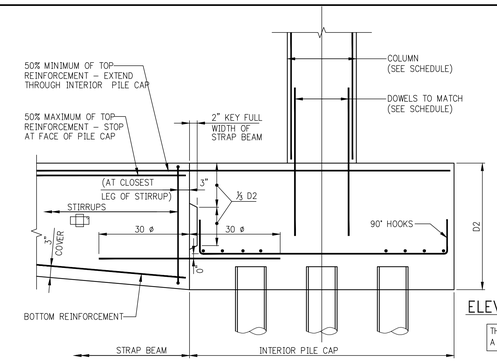
(AT STRAP BEAM MONOLITHIC WITH SLAB)



THESE STRAP DETAILS ARE LIMITED TO PILES WITH A MAXIMUM LOAD CAPACITY OF 200 TONS/PILE.

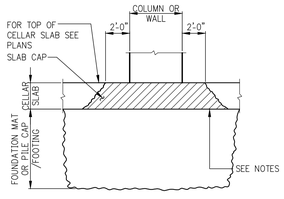
ELEVATION – EXTERIOR PILE CAP

NOTE:
SEE FOUNDATION DRAWINGS FOR STRAP BEAM SIZE, REINFORCEMENT, AND STIRRUPS.



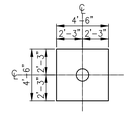
ELEVATION – INTERIOR PILE CAP

THESE STRAP DETAILS ARE LIMITED TO PILES WITH A MAXIMUM LOAD CAPACITY OF 200 TONS/PILE.



BEAM AND SLAB CONCRETE PLACEMENT AT HIGH STRENGTH CONCRETE COLUMN OR WALL

NOTES:
1. IN CONFORMANCE WITH 10.13 OF ACI 318-89. USE THIS DETAIL WHEN THE SPECIFIED CONCRETE STRENGTH IN COLUMN/WALL IS GREATER THAN 1.4 TIMES THAT SPECIFIED FOR THE FLOOR SYSTEM.
2. CAP SHALL BE NORMAL-WEIGHT STONE CONCRETE, EQUAL IN STRENGTH TO THAT SPECIFIED FOR THE COLUMN/WALL. CAP SHALL EXTEND BEYOND COLUMN/WALL IN ALL DIRECTIONS AS SHOWN ABOVE.
3. THE BALANCE OF CONCRETE IN SLAB AND BEAMS SHALL BE PLACED WHILE CAP CONCRETE IS STILL IN A WORKABLE PLASTIC CONDITION, BEFORE INITIAL SET. RETEMPERING OF CONCRETE WILL NOT BE PERMITTED.
4. IN LIEU OF PLACING TWO DIFFERENT STRENGTHS OF CONCRETE WITHIN THE SAME FLOOR SYSTEM, THE CONTRACTOR MAY ELECT (AT NO ADDITIONAL COST TO THE OWNER) TO PLACE ONE STRENGTH THROUGHOUT THE ENTIRE FLOOR. THE MINIMUM FLOOR CONCRETE STRENGTH REQUIRED BY ACI CODE WOULD BE 0.72 TIMES THE SPECIFIED STRENGTH OF CONCRETE IN THE COLUMNS/WALLS, UP TO 10,000 PSI COLUMN/WALL CONCRETE.
5. WHEN COLUMN/WALL CONCRETE STRENGTH EXCEEDS 10,000 PSI, THE CAP DETAILS SHOWN ABOVE MUST BE FOLLOWED, USING CAPS OF SAME CONCRETE STRENGTH AS IN COLUMNS/WALLS, AND THE STRENGTH SPECIFIED ON THE DRAWINGS FOR THE BALANCE OF THE FLOOR SYSTEM.

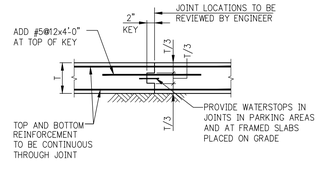


C1

D=3'-0"
REINF: 6-#9 EACH WAY

CAISSON CAP DETAILS

NOTES:
1. CENTERLINE OF CAISSON CAP IS CENTERLINE OF COLUMN/WALL U.O.N. ON PLAN
2. ALL BARS WITH 90° HOOKS
3. CAISSON TYPE 1 (200 TONS) TO BE USED WITH C1 CAISSON CAP
4. F'c=6000 PSI



SLAB CONSTRUCTION JOINT

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REV.	DATE	DESCRIPTION
	03.27.15	REVISED FOUNDATION BID SET
	01.18.15	100% CD ISSUE
	11.07.14	75% CD ISSUE
	08.15.14	50% CD ISSUE
	06.27.14	100% DD ISSUE
	04.04.14	100% SD

112 W 25TH ST HOTEL

112 West 25th Street
New York, New York 10001

Owner / Developer:
Lam Group
202 Centre Street, 6th Floor
New York, New York 10013

Structural Engineer
WSP
228 East 45th Street, 3rd Floor
New York, NY 10017

MEP Engineer
Edward & Zuck PC Consulting Engineers
315 Park Avenue South
New York, NY 10010

Interior Designer
Stonehill & Taylor
31 West 27th Street
New York, NY 10001

Elevator Consultant
Jenkins & Huntington Elevator Consultating
1251 Avenue of the Americas
New York, NY 10020

PROJ. NO.	1308890
ISSUE DATE	
SCALE	N.T.S.
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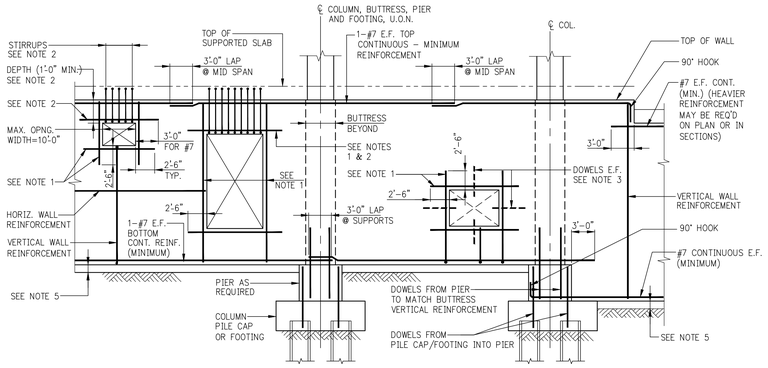
DWG. TITLE

TYPICAL FOUNDATION DETAILS 1

DWG. NO.
FO-200.00

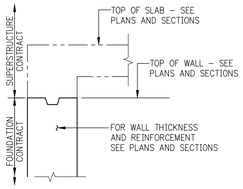
NYC DOB Number



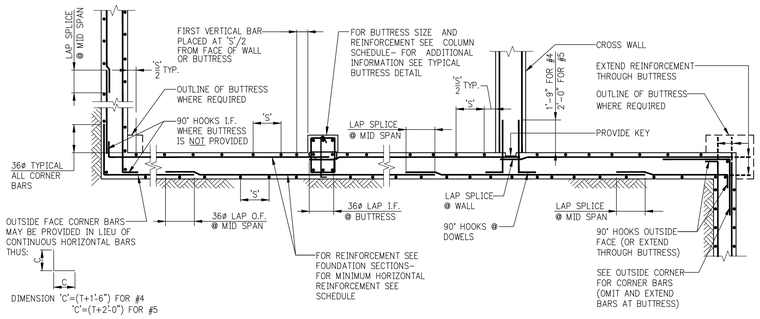
FOUNDATION WALL ELEVATION SHOWING REINFORCEMENT AT OPENINGS AND MISCELLANEOUS DETAILS

NOTES:

1. ADD #5 BARS (HORIZ. & VERT.) AT ALL FOUR EDGES OF OPENINGS. AREA OF ADDED BARS AT EACH EDGE TO BE EQUAL TO ONE HALF OF AREA OF INTERRUPTED BARS IN THE CORRESPONDING DIRECTION. PROVIDE A MINIMUM OF 1-#5 E.F.
2. WHERE TOP EDGE OF OPENING IS LESS THEN 2'-6" FROM TOP OF WALL ADD 1-#7 E.F. (IN LIEU OF #5) OVER OPENING. PROVIDE #4 ⊔ STIRRUPS @ 8" EXTEND INTO SLAB WITH 2" COVER AT TOP OF STIRRUPS.
3. AT UTILITY ACCESS OPENINGS WHICH ARE TO BE FILLED IN WITH CONCRETE, PROVIDE DOWELS PROJECTING 1'-0" INTO OPENING. EITHER EXTEND HORIZONTAL AND VERTICAL WALL REINFORCEMENT, OR ADD # 4@12± E.F. DOWELS x2'-6" LONG.
4. FOR ACTUAL OPENING SIZES AND LOCATIONS, SEE PLANS, SECTIONS, ARCHITECTURAL DWGS., AND MEP DWGS. SUBMIT SHOP DRAWINGS WITH WALL ELEVATIONS SHOWING ALL OPENINGS AND REINFORCEMENT.
5. PROVIDE FOOTING OR CONCRETE MUD SLAB O SUPPORT WALL FORMS AND WET CONCRETE. SEE FOUNDATION SECTIONS ON FO-300 SERIES DRAWINGS FOR ADDITIONAL DETAILS.



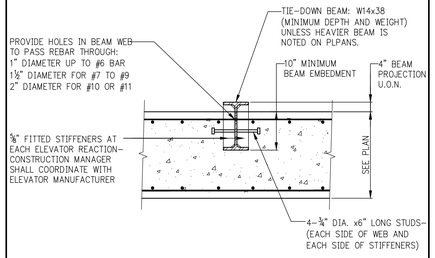
SCHEMATIC SECTION AT TOP OF WALL



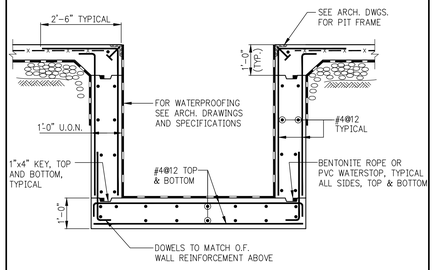
MINIMUM HORIZONTAL WALL REINFORCEMENT REQUIRED AT EACH FACE	
T = WALL THICKNESS	HORIZONTAL REINFORCEMENT
UP TO 10"	#4@18 E.F.
11" TO 12"	#4@16 E.F.
13" TO 16"	#4@12 E.F.
17" TO 20"	#4@10 OR #5@15 E.F.
21" TO 22"	#4@9 OR #5@12 E.F.
23" TO 24"	#4@8 OR #5@12 E.F.
OVER 24"	SEE PLANS AND SECTIONS

HORIZONTAL SECTION SHOWING PLACEMENT OF FOUNDATION WALL REINFORCEMENT

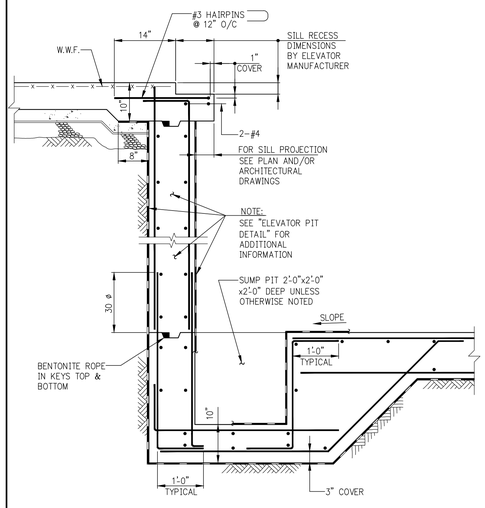
NOTE:
VERTICAL CONSTRUCTION JOINT IN WALL IS NOT SHOWN HERE - SEE TYPICAL CONSTRUCTION JOINT DETAIL.



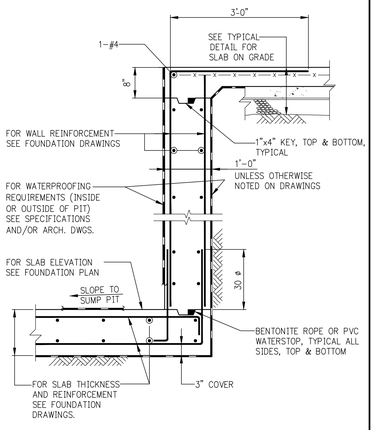
ELEVATOR TIE-DOWN BEAM



TYPICAL PIT

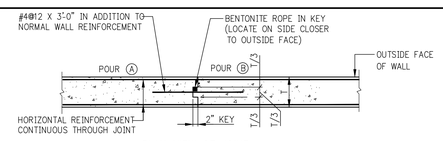


ELEVATOR PIT SILL AND SUMP PIT

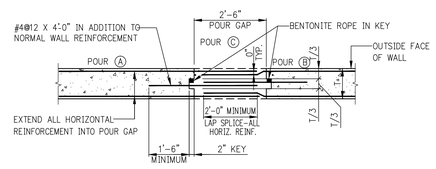


ELEVATOR PIT

NOTE:
PROVIDE ELEVATOR TIE-DOWN BEAM AS REQUIRED. SEE PLAN AND "ELEVATOR TIE-DOWN BEAM" DETAIL.



PLAN VIEW OF JOINT

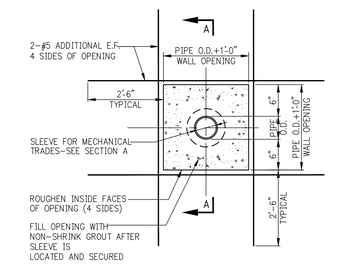


ALTERNATIVE-POUR GAP

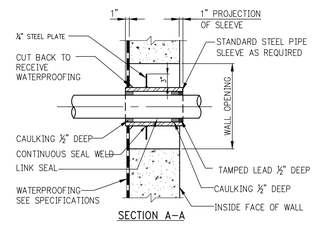
VERTICAL CONSTRUCTION JOINT IN FOUNDATION WALL

NOTES:

1. CONSTRUCTION JOINTS IN WALLS SHALL BE LOCATED AT LEAST FOUR FEET FROM FACE OF SUPPORTING PIER, FOOTING, PILE CAP, ETC, OR FROM WALL OPENING.
2. MAXIMUM SPACING BETWEEN JOINTS SHALL BE FORTY FEET UNLESS NOTED OTHERWISE ON THE FOUNDATION DRAWINGS.
3. CONCRETE SHALL NOT BE PLACED IN THE POUR GAP UNTIL 24 HOURS AFTER PLACEMENT OF THE MOST RECENT ADJACENT SECTION.
4. FOR JOINTS IN SHEARWALLS SEE DETAILS IN FS-400 OR S-400 SERIES.

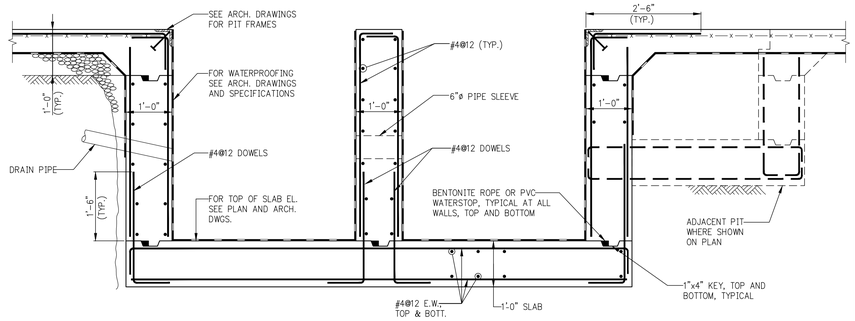


BOX-OUT OPENING THROUGH FOUNDATION WALL

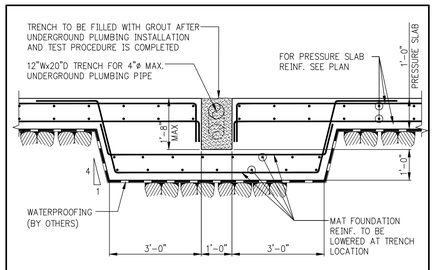


SECTION A-A

WATERPROOFED SLEEVE THROUGH WALL WITH WATERPROOFING



TYPICAL DOUBLE PIT



4 / FO-301

SECTION AT TRENCH FOR UNDERGROUND PLUMBING LINES

SCALE: ½"=1'-0"

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112 W 25TH ST HOTEL

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Structural Engineer
WSP
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MEP Engineer
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315 Park Avenue South
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PROJ. NO.	1308890
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SCALE	N.T.S.
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DWG. TITLE
TYPICAL FOUNDATION DETAILS 2

DWG. NO.
FO-201.00

NYC DOB Number

TABLE #1:
TENSION LAP SPLICE LENGTHS (CLASS B MINIMUM)

TABLE 1.A: ¾" COVER TO OUTER LAYER BARS
OUTER LAYER LAP LENGTHS (IN INCHES)

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000+
#3	16	16	16	16	16	16	16	16
#4	21	20	20	20	20	20	20	20
#5	31	27	24	24	24	24	24	24
#6	43	37	33	30	29	29	29	29
#7	69	60	53	49	45	42	40	38
#8	85	74	66	60	56	52	49	47
#9	103	89	80	73	67	63	59	56
#10	121	105	94	86	79	74	70	66
#11	140	122	109	99	92	86	81	77

TABLE 1.B: ¾" COVER TO OUTER LAYER BARS
INNER LAYER LAP LENGTHS (IN INCHES)

NOTE: USE TABLE 1.A IF BAR SPACING IS LESS THAN 4" O/C UP TO #8, 5" O/C FOR #9, #10, #11

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000+
#3	16	16	16	16	16	16	16	16
#4	20	20	20	20	20	20	20	20
#5	24	24	24	24	24	24	24	24
#6	30	29	29	29	29	29	29	29
#7	48	42	38	34	34	34	34	34
#8	61	53	47	43	40	39	39	39
#9	75	65	58	53	49	46	44	44
#10	89	77	69	63	58	55	51	49
#11	104	90	81	74	68	64	60	57

TABLE 1.C: 1½" COVER TO OUTER LAYER BARS
OUTER LAYER LAP LENGTHS (IN INCHES)

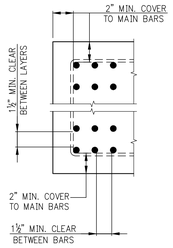
NOTE: USE TABLE 1.A IF BAR SPACING IS LESS THAN 4" O/C UP TO #8, 5" O/C FOR #9, #10, #11

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000+
#3	16	16	16	16	16	16	16	16
#4	20	20	20	20	20	20	20	20
#5	24	24	24	24	24	24	24	24
#6	29	29	29	29	29	29	29	29
#7	42	37	34	34	34	34	34	34
#8	53	46	41	39	39	39	39	39
#9	66	57	51	46	44	44	44	44
#10	79	68	61	56	51	49	49	49
#11	92	80	72	65	60	57	54	54

TABLE 1.D: 1½" COVER TO OUTER LAYER BARS
INNER LAYER LAP LENGTHS (IN INCHES)

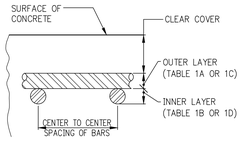
NOTE: USE TABLE 1.A IF BAR SPACING IS LESS THAN 5" O/C UP TO #8, 6" O/C FOR #9, #10, #11

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000+
#3	16	16	16	16	16	16	16	16
#4	20	20	20	20	20	20	20	20
#5	24	24	24	24	24	24	24	24
#6	29	29	29	29	29	29	29	29
#7	37	34	34	34	34	34	34	34
#8	43	39	39	39	39	39	39	39
#9	53	46	44	44	44	44	44	44
#10	64	55	49	49	49	49	49	49
#11	75	65	58	54	54	54	54	54



MULTIPLE LAYERS

PROVIDE MINIMUM COVER AND CLEARANCES SHOWN, USE TABLE 1.A FOR LAP SPLICE LENGTHS.



NOTES FOR TENSION LAP SPLICES

1. REINFORCEMENT IS UNCOATED, WITH Fy=60,000 PSI.
2. CONCRETE IS NORMAL WEIGHT (144–150#/C.F.).
3. FOR "TOP"' BAR SPLICE LENGTHS ("TOP" IS DEFINED BY ACI 318 AS HAVING MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW THE BAR), TABULATED LENGTHS MUST BE MULTIPLIED BY 1.3.
4. LENGTHS TABULATED MUST BE MULTIPLIED BY THE FOLLOWING MODIFICATION FACTORS:
   a. LIGHTWEIGHT CONCRETE 1.3
   b. EPOXY–COATED BARS:
      1.) BARS WITH COVER < 3db, OR WITH CLEAR SPACING < 6db ...1.5 FOR BOTTOM & VERTICAL BARS, 1.3 FOR "TOP" BARS *
      2.) ALL OTHER CONDITIONS 1.2
   * FOR EPOXY–COATED "TOP" BARS THE MAXIMUM FOR COMBINED FACTORS = 1.7
5. WHERE TENSION DEVELOPMENT LENGTH (Ld) IS REQUIRED ON PLANS OR IN DETAILS, SEE TENSION DEVELOPMENT LENGTH TABLES.
6. CLASS A LAP SPLICE LENGTHS ARE EQUAL TO TENSION DEVELOPMENT LENGTHS. SEE TABLES FOR TENSION DEVELOPMENT LENGTHS (Ld). APPLY APPROPRIATE MODIFICATION FACTORS TO CLASS A SPLICE LENGTHS.

TABLE #2:
TENSION DEVELOPMENT LENGTHS (Ld) (IN INCHES)

TABLE 2.A: ¾" COVER TO OUTER LAYER BARS
OUTER LAYER DEVELOPMENT LENGTHS

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000+
#3	12	12	12	12	12	12	12	12
#4	16	14	13	12	12	12	12	12
#5	24	21	19	17	16	15	14	13
#6	33	28	25	23	22	20	19	18
#7	53	46	41	37	35	32	31	29
#8	66	57	51	46	43	40	38	36
#9	79	69	61	56	52	49	46	43
#10	93	81	72	66	61	57	54	51
#11	108	94	84	76	71	66	62	59

TABLE 2.B: ¾" COVER TO OUTER LAYER BARS
INNER LAYER DEVELOPMENT LENGTHS

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000+
#3	12	12	12	12	12	12	12	12
#4	13	12	12	12	12	12	12	12
#5	16	14	13	13	13	13	13	13
#6	23	20	18	16	15	15	15	15
#7	37	32	29	26	24	23	22	20
#8	47	41	36	33	31	29	27	26
#9	57	50	44	41	38	35	33	31
#10	68	59	53	48	45	42	40	38
#11	80	69	62	57	52	49	46	44

TABLE 2.C: 1½" COVER TO OUTER LAYER BARS
OUTER LAYER DEVELOPMENT LENGTHS)

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000+
#3	12	12	12	12	12	12	12	12
#4	13	12	12	12	12	12	12	12
#5	16	14	13	13	13	13	13	13
#6	20	17	15	15	15	15	15	15
#7	32	28	25	23	21	20	19	18
#8	41	36	32	29	27	25	24	23
#9	50	44	39	36	33	31	29	28
#10	60	52	47	43	40	37	35	33
#11	71	61	55	50	46	43	41	39

TABLE 2.D: 1½" COVER TO OUTER LAYER BARS
INNER LAYER DEVELOPMENT LENGTHS

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000+
#3	12	12	12	12	12	12	12	12
#4	13	12	12	12	12	12	12	12
#5	16	14	13	13	13	13	13	13
#6	20	17	15	15	15	15	15	15
#7	29	25	22	20	19	18	18	18
#8	33	28	25	23	22	20	20	20
#9	41	35	31	29	27	25	23	23
#10	49	42	38	35	32	30	28	27
#11	58	50	45	41	38	35	33	32

NOTES FOR TENSION DEVELOPMENT LENGTHS (Ld)

1. REINFORCEMENT IS UNCOATED, WITH Fy=60,000 PSI.
2. CONCRETE IS NORMAL WEIGHT (144–150#/C.F.).
3. FOR "TOP"' BAR DEVELOPMENT LENGTHS ("TOP" IS DEFINED BY ACI 318 AS HAVING MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW THE BAR), TABULATED LENGTHS MUST BE MULTIPLIED BY 1.3.
4. LENGTHS TABULATED MUST BE MULTIPLIED BY THE FOLLOWING MODIFICATION FACTORS:
   a. LIGHTWEIGHT CONCRETE 1.3
   b. EPOXY–COATED BARS:
      1.) BARS WITH COVER < 3db, OR WITH CLEAR SPACING < 6db ...1.5 FOR BOTTOM & VERTICAL BARS, 1.3 FOR "TOP" BARS *
      2.) ALL OTHER CONDITIONS 1.2
   * FOR EPOXY–COATED "TOP" BARS THE MAXIMUM FOR COMBINED FACTORS = 1.7
5. WHERE TENSION DEVELOPMENT LENGTH (Ld) IS REQUIRED ON PLANS OR IN DETAILS, SEE TENSION DEVELOPMENT LENGTH TABLES.
6. CLASS A LAP SPLICE LENGTHS ARE EQUAL TO TENSION DEVELOPMENT LENGTHS. SEE TABLES FOR TENSION DEVELOPMENT LENGTHS (Ld). APPLY APPROPRIATE MODIFICATION FACTORS TO CLASS A SPLICE LENGTHS.

TABLE #3
TENSION DEVELOPMENT LENGTHS FOR STANDARD END HOOKS (ldh)
(LENGTHS IN INCHES)

BAR SIZE	CONCRETE STRENGTH (PSI)							
	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000+
#3	9	7	7	6	6	6	6	6
#4	11	10	9	8	7	7	7	6
#5	14	12	11	10	9	9	8	8
#6	17	15	13	12	11	10	10	9
#7	19	17	15	14	13	12	11	11
#8	22	19	17	16	15	14	13	12
#9	25	22	19	18	16	15	15	14
#10	28	24	22	20	19	17	16	16
#11	31	27	24	22	21	19	18	17
#14	37	32	29	27	25	23	22	21
#18	50	43	39	35	33	31	29	27

NOTES:

1. TABLE 3 CONFORMS TO ACI 318–2002 (AND 2005). TABULATED VALUES ARE BASED UPON ACI 12.5.2 , ASSUMING GRADE 60 REINFORCEMENT AND NORMALWEIGHT CONCRETE.
2. PER ACI 12.5.3 a), FOR #11 AND SMALLER BARS, IF COVER TO BAR IS 2½ INCHES OR MORE, AND FOR 90 DEGREE HOOK WITH COVER ON BAR EXTENSION BEYOND HOOK NOT LESS THAN 2 INCHES, A MODIFICATION FACTOR OF 0.7 MAY BE APPLIED. MINIMUM ldh SHALL NOT BE LESS THAN 8db NOR 6 INCHES.

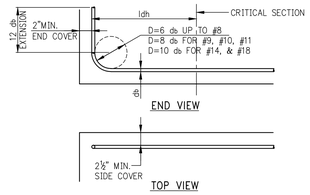


TABLE #4
COMPRESSION LAP SPLICES
(LENGTHS IN INCHES)

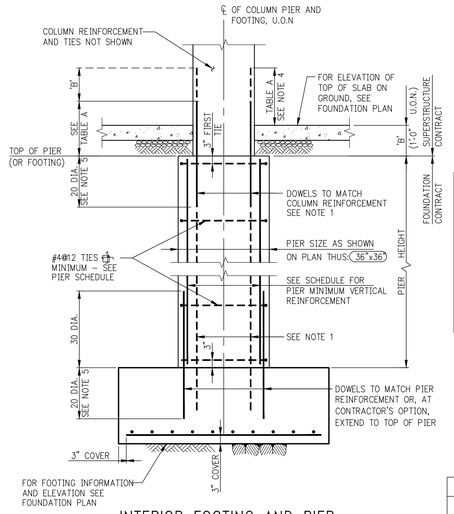
BAR SIZE	GRADE OF REINFORCEMENT		
	60 KSI (30 DIA.)	75 KSI (44 DIA.)	80 KSI (48 DIA.)
#3	12	17	18
#4	15	22	24
#5	19	28	30
#6	23	33	36
#7	27	39	42
#8	30	44	48
#9	34	50	54
#10	38	56	61
#11	43	62	68
#14 AND #18	1. LAP SPLICES ARE NOT PERMITTED. USE MECHANICAL CONNECTIONS OR WELDED SPLICES FOR #14 AND #18, PER ACI 318 (12.14.3). 2. LAP SPLICES OF #14 AND #18 BARS TO #11 AND SMALLER BARS ARE PERMITTED PER ACI 318 (12.16.2).		

3. FOR BARS OF DIFFERENT SIZE, USE LARGER OF: SPLICE LENGTH OF SMALLER BAR (TABLE #4) OR DEVELOPMENT LENGTH OF LARGER BAR

TABLE #5
DEVELOPMENT LENGTHS FOR BARS IN COMPRESSION
(LENGTHS IN INCHES)

BAR SIZE	fy = 60,000 PSI			fy = 75,000 PSI			fy = 80,000 PSI		
	CONC. f'c (IN PSI)			CONC. f'c (IN PSI)			CONC. f'c (IN PSI)		
	3,000	4,000	5,000 OR MORE	3,000	4,000	5,000 OR MORE	3,000	4,000	5,000 OR MORE
#3	12	12	12	12	12	12	12	12	12
#4	12	12	12	14	12	12	15	13	12
#5	14	12	12	17	15	14	18	16	15
#6	17	15	14	21	18	17	22	19	18
#7	19	17	16	24	21	20	26	22	21
#8	22	19	18	28	24	23	29	25	24
#9	25	22	21	31	27	25	33	28	27
#10	28	24	23	34	30	28	36	31	30
#11	31	27	26	38	33	31	40	34	33
#14	37	32	31	48	42	39	51	44	42
#18	50	43	41	62	54	51	65	56	54

NOTE:
TABLE #4 APPLIES FOR NORMALWEIGHT CONCRETE WITH f'c = 3,000 PSI OR



PIER: MINIMUM VERTICAL REINFORCEMENT

PIER SIZE (OR EQUIVALENT)	VERTICAL REINF.
UP TO 36x36	8–#6
37x37 TO 48x48	12–#6
49x49 TO 54x54	12–#7
55x55 TO 66x66	16–#7
67x67 TO 84x84	16–#8
OVER 84 TO BE SUPPLIED IN PIER SCHEDULE	

NOTE:
THE PIER SCHEDULE MAY REQUIRE A GREATER AMOUNT OF REINFORCEMENT, BUT NOT LESS.

TABLE A
COMPRESSION LAP SPLICE LENGTH

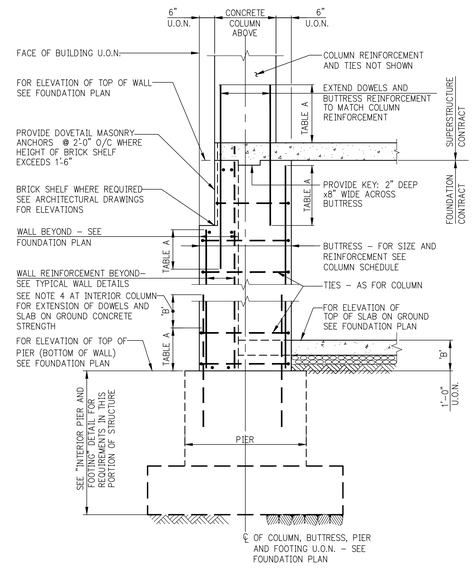
BAR SIZE	fy=60 KSI	fy=75 KSI
#5 TO #11	30 DIA.	44 DIA.
#14 & #18	45"–#11 DOWELS	60"–#11 DOWELS

INTERIOR FOOTING AND PIER AT CONCRETE COLUMN

THIS DETAIL DOES NOT APPLY WHERE COLUMN REINFORCEMENT IS IN TENSION.

NOTES:

1. WHERE PIER HEIGHT IS LESS THAN EMBEDMENT LENGTH OF COLUMN DOWELS, EMBED DOWELS IN FOOTING AND EXTEND THROUGH PIER INTO COLUMN ABOVE.
2. AT CONTRACTOR'S OPTION, A SHORT PIER MAY BE ELIMINATED BY THICKENING THE COLUMN FOOTING TO THE TOP OF PIER ELEVATION.
3. MAXIMUM PIER HEIGHT TO BE EIGHT TIMES THE LEAST PIER DIMENSION. INCREASE PIER SIZE AS REQUIRED TO MAINTAIN THIS RATIO.
4. WHEN SLAB ON GROUND IS POURED BEFORE COLUMN, INCREASE LENGTH OF DOWELS BY DIMENSION 'B' (FROM TOP OF PIER TO TOP OF SLAB.) IN ADDITION, IF COLUMN CONCRETE STRENGTH IS GREATER THAN 1.4 TIMES SLAB CONCRETE STRENGTH, THE SLAB CONCRETE STRENGTH MUST BE INCREASED LOCALLY TO MATCH COLUMN CONCRETE STRENGTH FOR A DISTANCE OF 2 FEET IN ALL DIRECTIONS FROM COLUMN FACES.
5. IF GRADE 75 COLUMN REINFORCEMENT IS USED, INCREASE DOWEL EMBEDMENT LENGTH TO 24 DIAMETERS.
6. MINIMUM CONCRETE STRENGTH OF f'c=4,000 PSI IS REQUIRED FOR PIER AND FOOTING. SEE PLANS AND NOTES FOR GREATER STRENGTH REQUIREMENTS.



BUTTRESS AT CONCRETE COLUMN

THIS DETAIL DOES NOT APPLY WHERE COLUMN REINFORCEMENT IS IN TENSION.

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	04.04.14	100% SD

112 W 25TH ST HOTEL

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TYPICAL FOUNDATION DETAILS 3

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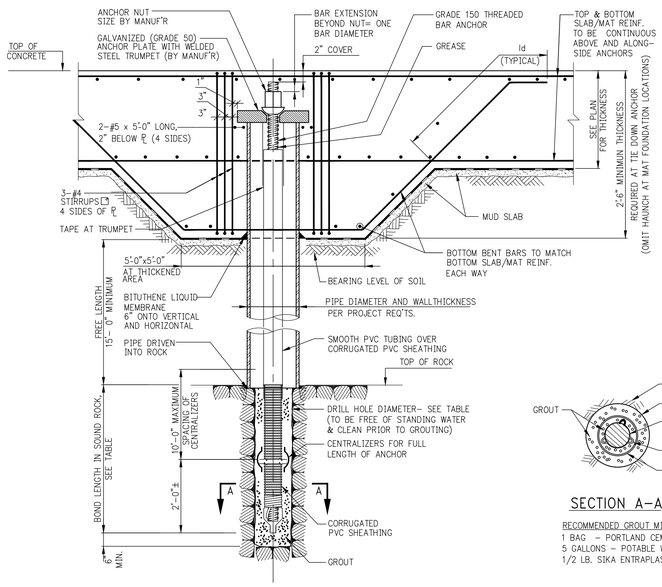
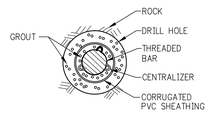


75 TONS TENSION CAPACITY TIE-DOWN AT PRESURE SLAB ON SOIL

NOTE:
DETAIL SHOWN IS PRELIMINARY PENDING FINAL DESIGN, DETAILING AND REQUIREMENTS FROM GEOTECHNICAL CONSULTANT.



SECTION A-A

RECOMMENDED GROUT MIX
1 BAG - PORTLAND CEMENT TYPE III
5 GALLONS - POTABLE WATER
1/2 LB. SIKA ENTRAPLAST "N"

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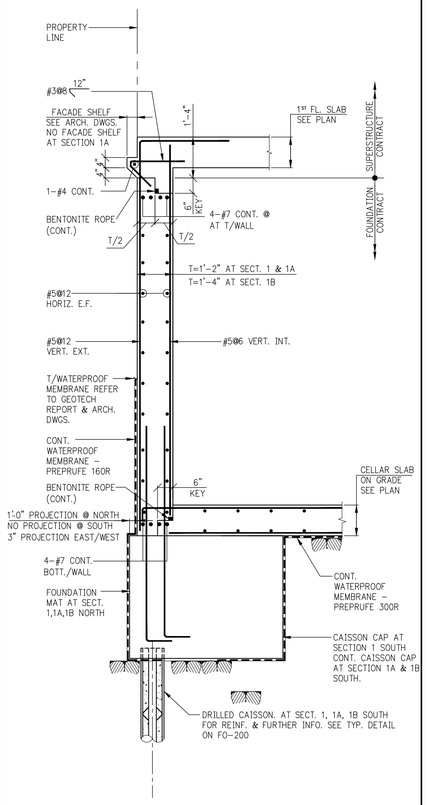
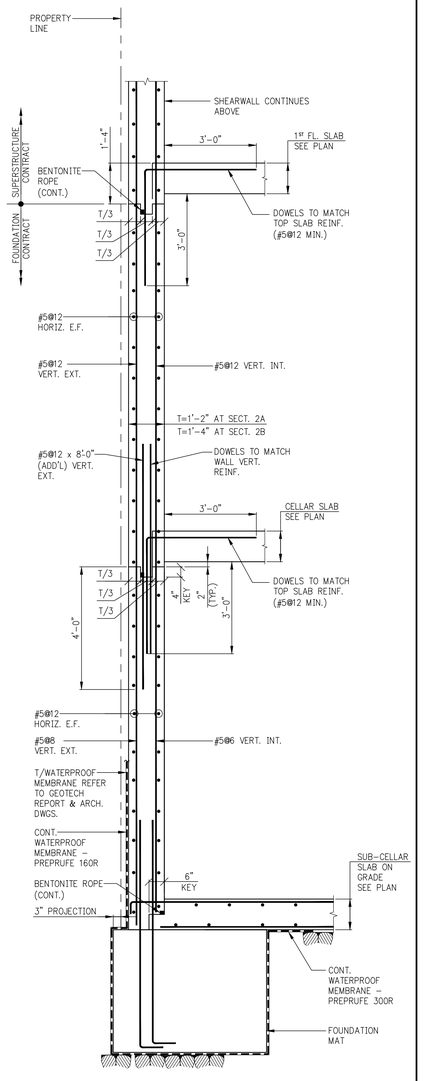


1 FO-300 SECTION @ NORTH & SOUTH FOUNDATION WALLS
SCALE: ½" = 1'-0"

1A FO-300 SECTION @ EAST FOUNDATION WALLS
SCALE: ½" = 1'-0"

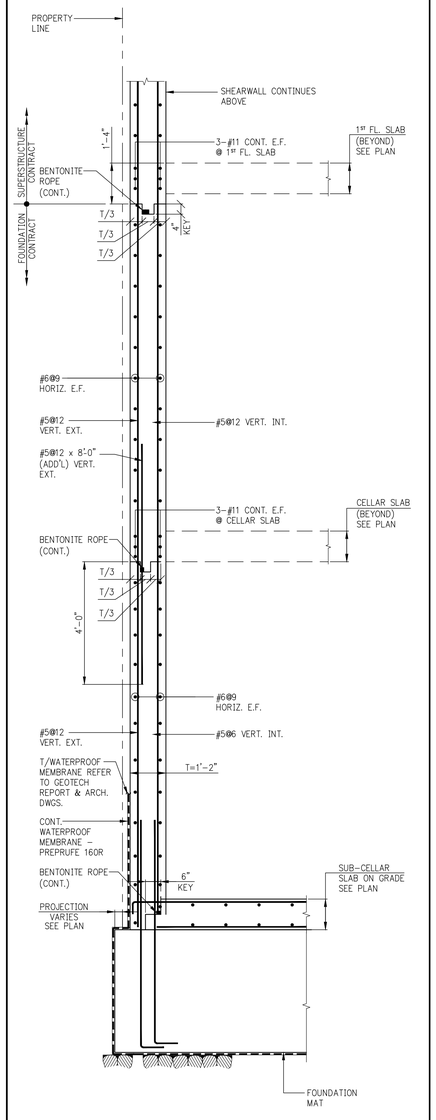
1B FO-300 SECTION @ WEST FOUNDATION WALLS
SCALE: ½" = 1'-0"



2A FO-300 SECTION @ EAST WALLS W/ SHEARWALL ABOVE
SCALE: ½" = 1'-0"

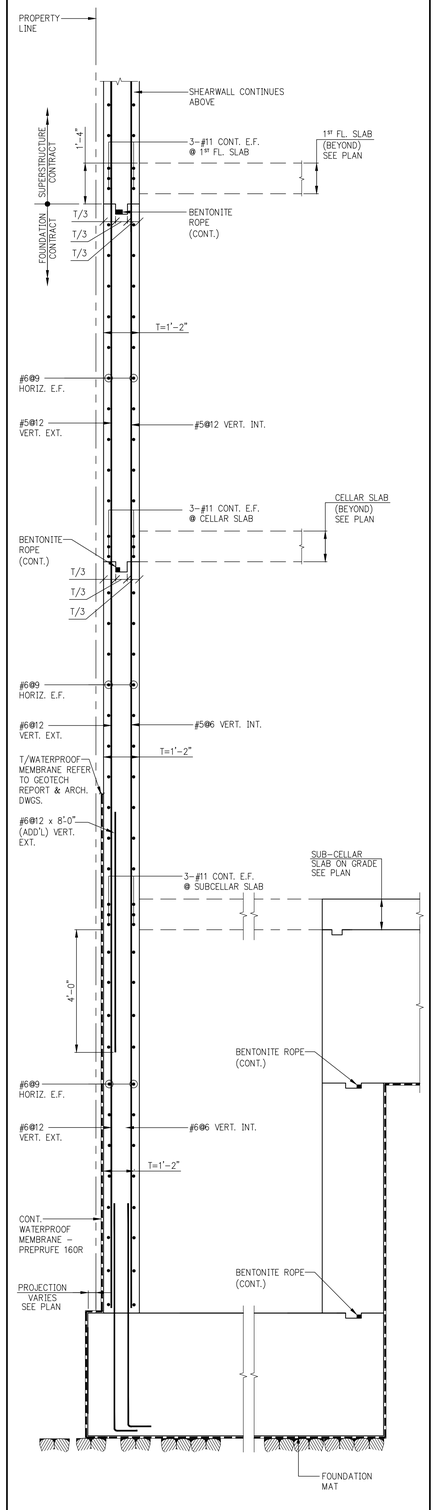
2B FO-300 SECTION @ WEST WALLS W/ SHEARWALL ABOVE
SCALE: ½" = 1'-0"

NOTE:
1. FOUNDATION WALL IS PART OF THE LATERAL SHEARWALL SYSTEM.
FOUNDATION WALL REINFORCEMENT (VERT. & HORIZ.) SHOWN ON THIS SECTION IS MIN. REQUIRED AND SHALL BE COMPARED & COORDINATED WITH SHEARWALL REINFORCEMENT (VERT. & HORIZ.) SHOWN ON S-940 DRAWING.



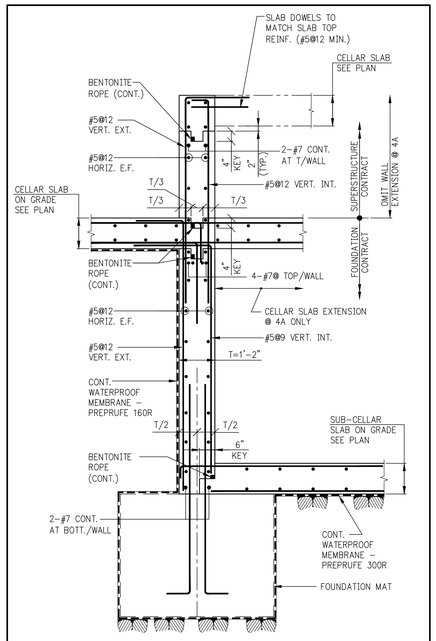
3 FO-300 SECTION @ ELEVATOR BANKS-EAST WALL

NOTE:
1. FOUNDATION WALL IS PART OF THE LATERAL SHEARWALL SYSTEM.
FOUNDATION WALL REINFORCEMENT (VERT. & HORIZ.) SHOWN ON THIS SECTION IS MIN. REQUIRED AND SHALL BE COMPARED & COORDINATED WITH SHEARWALL REINFORCEMENT (VERT. & HORIZ.) SHOWN ON S-940 DRAWING.

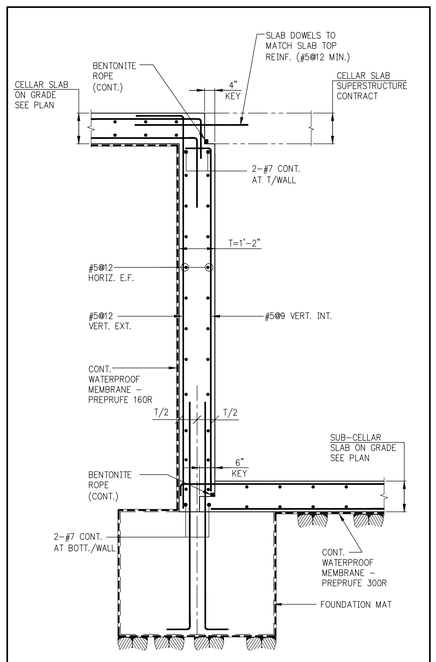


3A FO-300 SECTION @ ELEVATOR BANKS-EAST WALL (ELEVATOR PIT)
SCALE: ½" = 1'-0"

NOTE:
1. FOUNDATION WALL IS PART OF THE LATERAL SHEARWALL SYSTEM.
FOUNDATION WALL REINFORCEMENT (VERT. & HORIZ.) SHOWN ON THIS SECTION IS MIN. REQUIRED AND SHALL BE COMPARED & COORDINATED WITH SHEARWALL REINFORCEMENT (VERT. & HORIZ.) SHOWN ON S-940 DRAWING.



4 FO-300 / 4A FO-300 SECTION @ NORTH SUBCELLAR FOUNDATION WALL
SCALE: ½" = 1'-0"



5 FO-300 SECTION @ SOUTH SUBCELLAR FOUNDATION WALL
SCALE: ½" = 1'-0"

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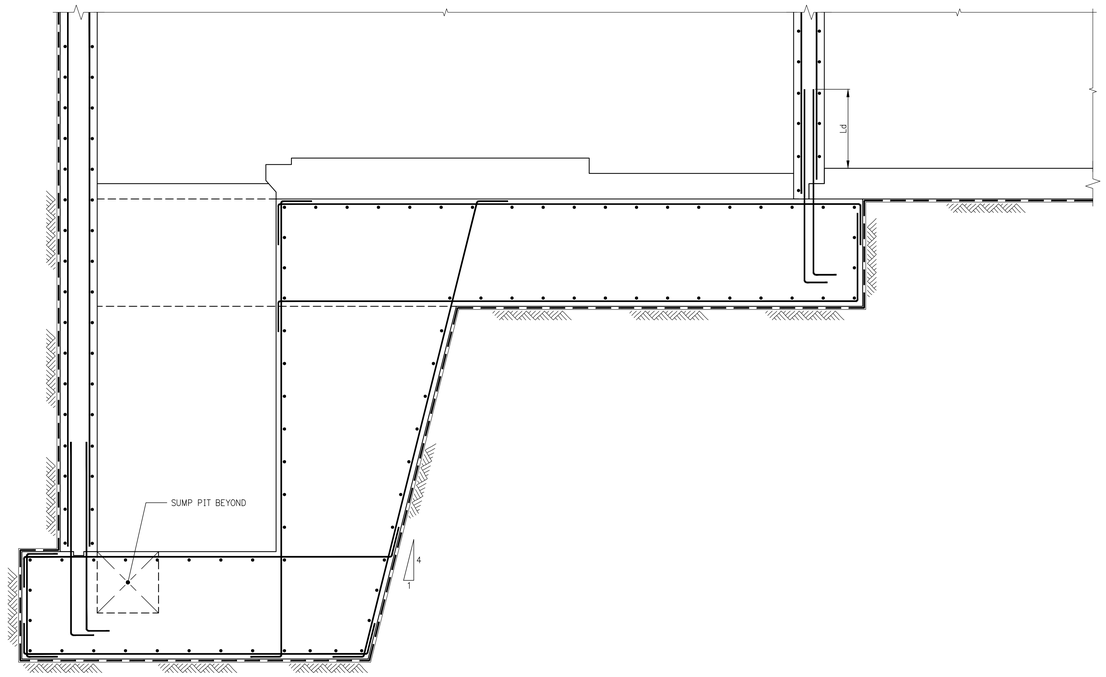

1 / FO-301 SECTION
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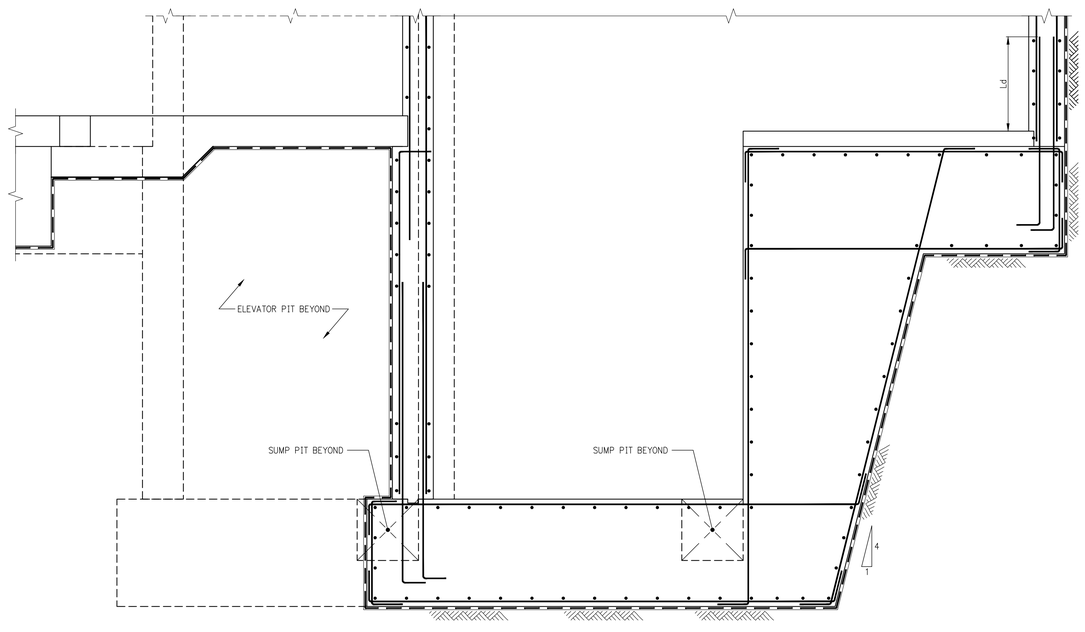

2 / FO-301 SECTION
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FOUNDATION SECTIONS 2

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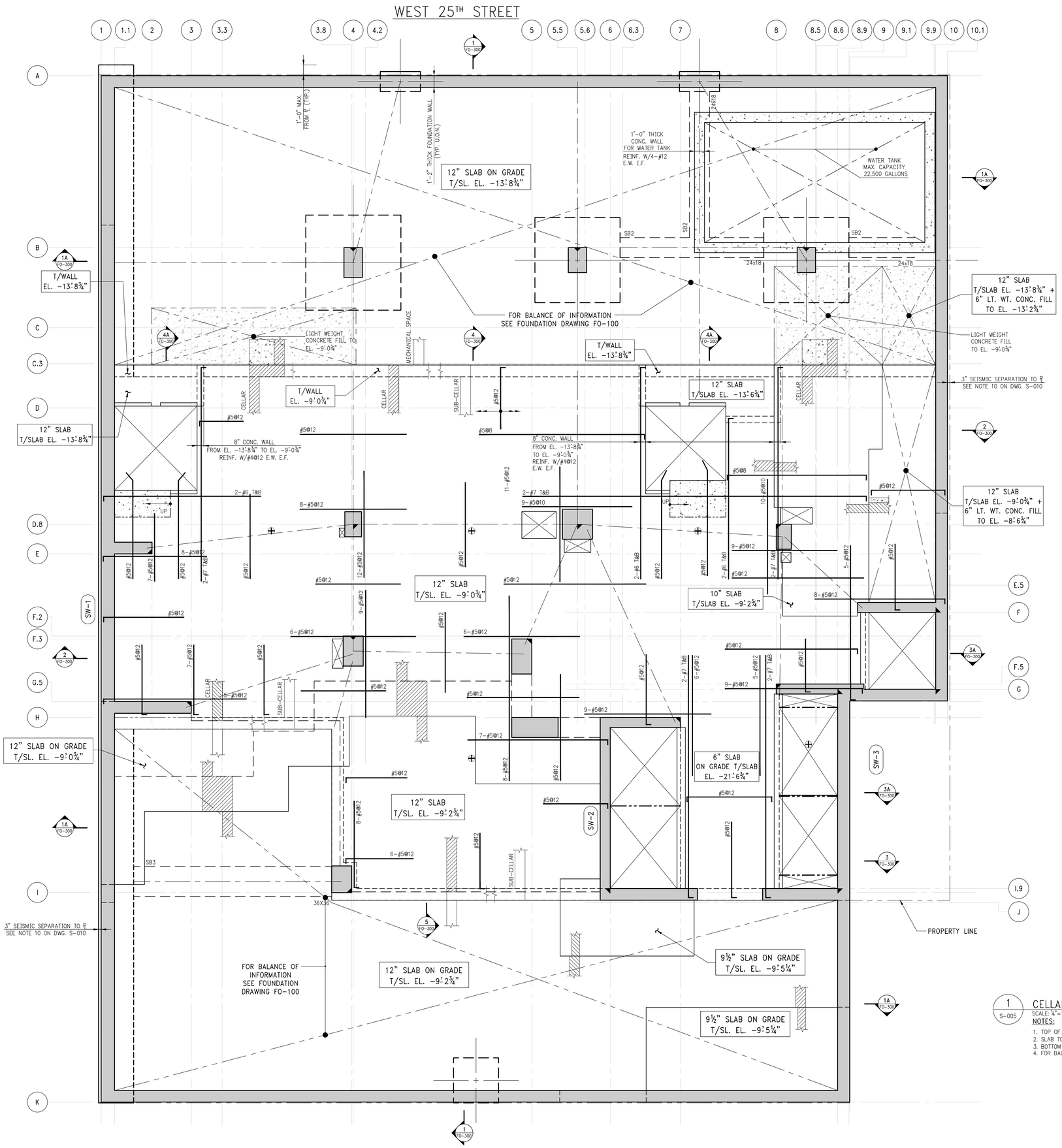

1 / S-005 CELLAR FLOOR FRAMING PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE U.O.N. THUS ▭ ON PLAN
2. SLAB TO BE 12" THICK U.O.N. THUS ▭ ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #5@12 CONT. E.W. FOR 12" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DWG. S-010.

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	04.04.14	100% SD

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SCALE	1/4" = 1'-0"
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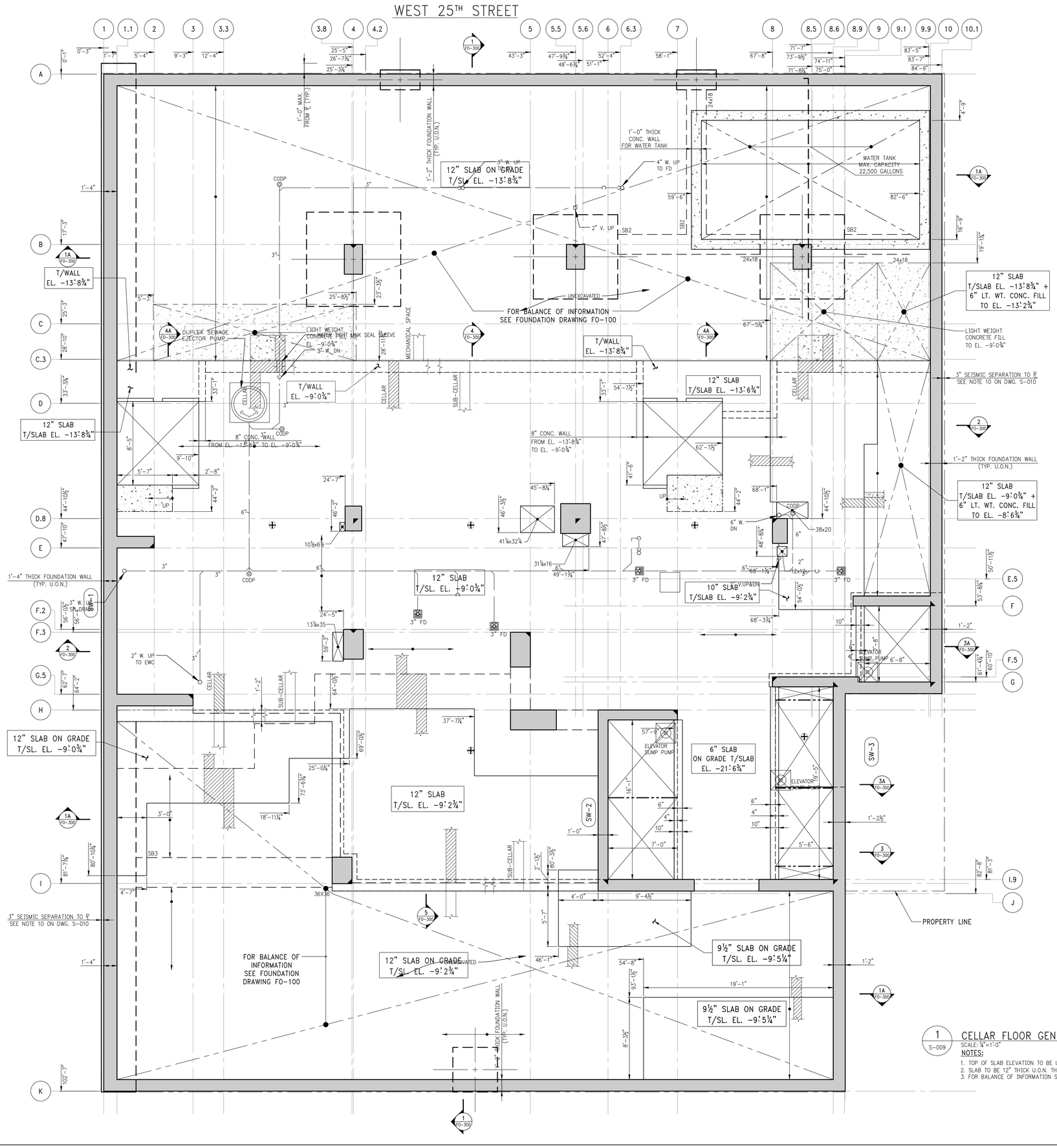
CELLAR FLOOR FRAMING PLAN

DWG. NO.

S-005.00

NYC DOB Number



1 / S-009 CELLAR FLOOR GENERAL ARRANGEMENT PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE U.O.N. THUS ▭ ON PLAN.
2. SLAB TO BE 12" THICK U.O.N. THUS ▭ ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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MEP Engineer
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Interior Designer
Stonehill & Taylor
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Elevator Consultant
Jenkins & Huntington Elevator Consultating
1251 Avenue of the Americas
New York, NY 10020

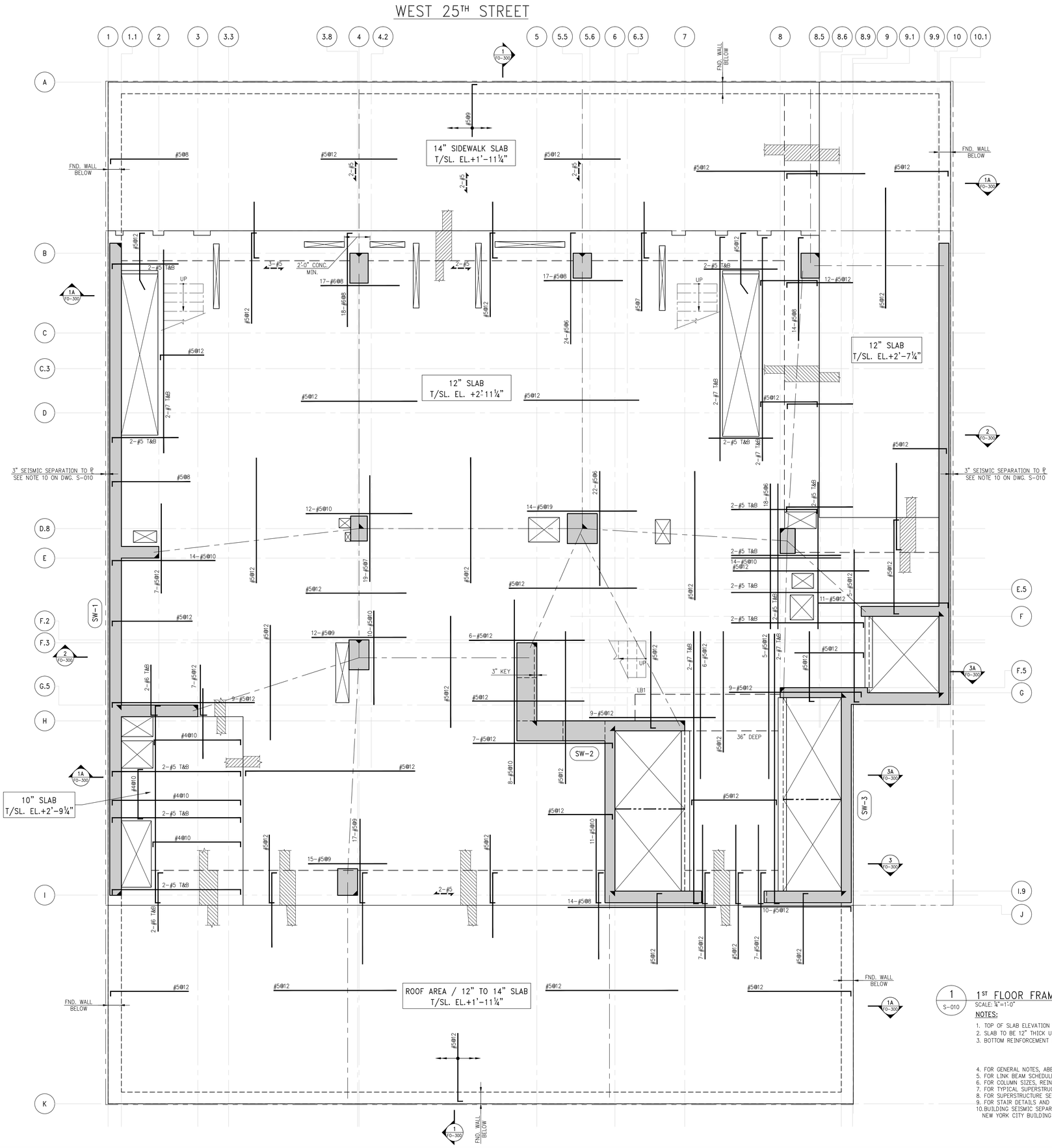
PROJ. NO.	1308890
ISSUE DATE	
SCALE	1/4" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE

CELLAR FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.
S-009.00

NYC DOB Number



1ST FLOOR FRAMING PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE +2'-11¼" U.O.N. [.....] ON PLAN
2. SLAB TO BE 12" THICK U.O.N. THUS [.....] ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 9" SLAB U.O.N.
   #4@10 CONT. E.W. FOR 10" SLAB U.O.N.
   #4@10 CONT. E.W. FOR 11" SLAB U.O.N.
   #5@12 CONT. E.W. FOR 12" SLAB U.O.N.
4. FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND SEE DRAWING F0-001.
5. FOR LINK BEAM SCHEDULE AND SHEARWALL DETAILS SEE S-940 SERIES DRAWINGS.
6. FOR COLUMN SIZES, REINFORCEMENT AND DETAILS SEE S-950 SERIES DRAWINGS.
7. FOR TYPICAL SUPERSTRUCTURE DETAILS SEE S-960 SERIES DRAWINGS.
8. FOR SUPERSTRUCTURE SECTIONS SEE S-970 SERIES DRAWINGS.
9. FOR STAIR DETAILS AND SECTIONS SEE S-980 SERIES DRAWINGS.
10. BUILDING SEISMIC SEPARATIONS HAVE BEEN PROVIDED IN ACCORDANCE TO 2008 NEW YORK CITY BUILDING CODE, CHAPTER BC 1617.3.2.

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REV.	DATE	DESCRIPTION
	03.27.15	REVISED FOUNDATION BID SET
	01.19.15	100% CD ISSUE
	11.07.14	75% CD ISSUE
	08.15.14	50% CD ISSUE
	06.27.14	100% DD ISSUE
	04.04.14	100% SD

112 W 25TH ST HOTEL

112 West 25th Street
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SCALE	1/4" = 1'-0"
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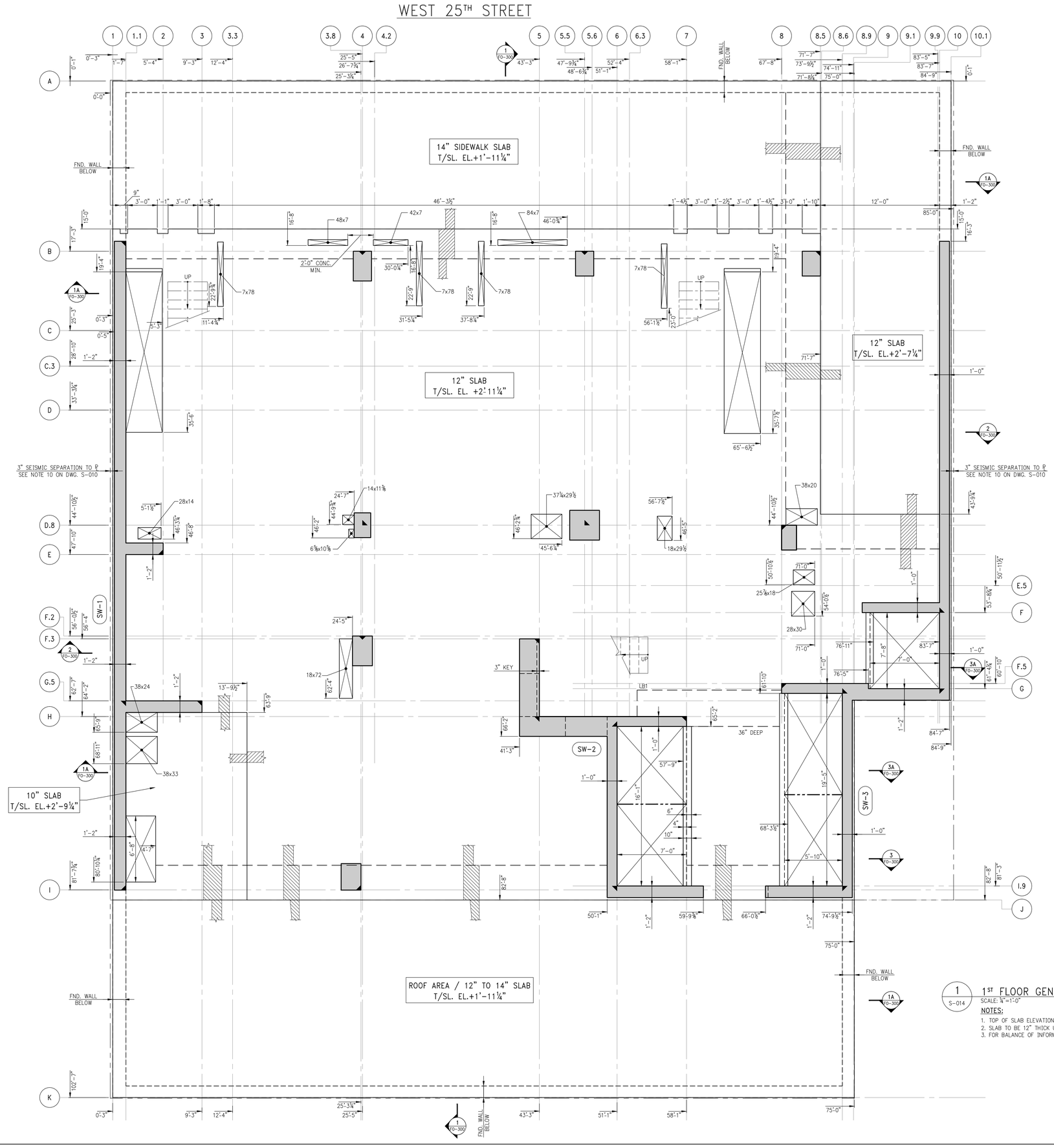
DWG. TITLE

1ST FLOOR FRAMING PLAN

DWG. NO.

S-010.00

NYC DOB Number



1 S-014 1ST FLOOR GENERAL ARRANGEMENT PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE +2'-11¼" U.O.N. THUS ..... ON PLAN.
2. SLAB TO BE 12" THICK U.O.N. THUS ..... ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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New York, NY 10020

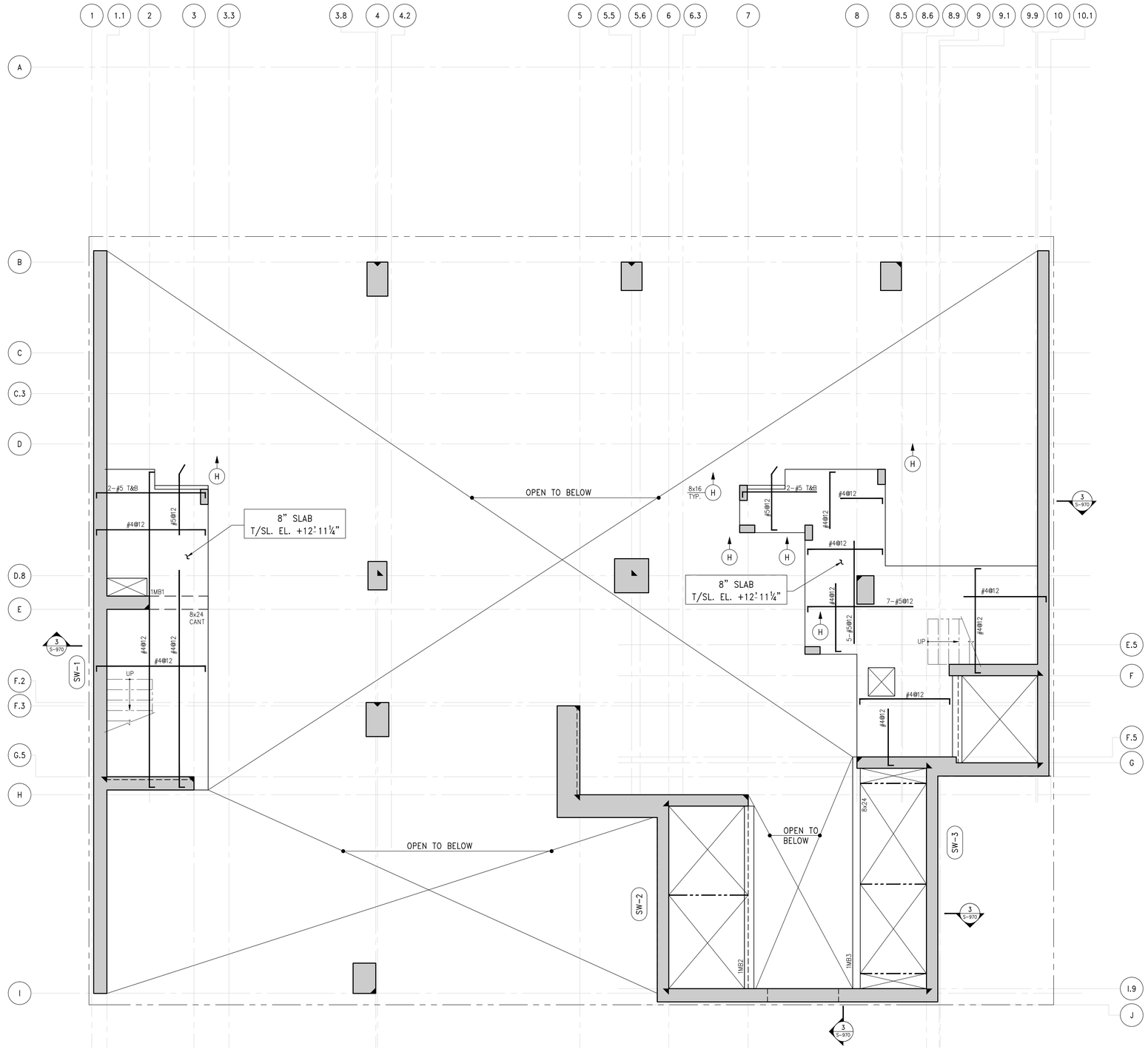
PROJ. NO.	1308890
ISSUE DATE	
SCALE	1/4" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE

1ST FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.
S-014.00

NYC DOB Number



1
S-015

STAIR TRANSFER AT 1ST FLOOR FRAMING PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 12'-11¼" U.O.N. THUS ▭ ON PLAN.
2. SLAB TO BE 8" THICK U.O.N. THUS ▭ ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 8" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

BEAM SCHEDULE

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	REMARKS
1MB1	14	24	2-#10	2-#10		1	#3	@8	CANT.
1MB2	8	24	2-#10	2-#10		1	#3	@8	UPTURNED
1MB3	8	24	2-#10	2-#10		1	#3	@8	UPTURNED

TYPE 1

STIRRUP TYPES

N.T.S.

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	06.27.14	100% DD ISSUE

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Jenkins & Huntington Elevator Consultating
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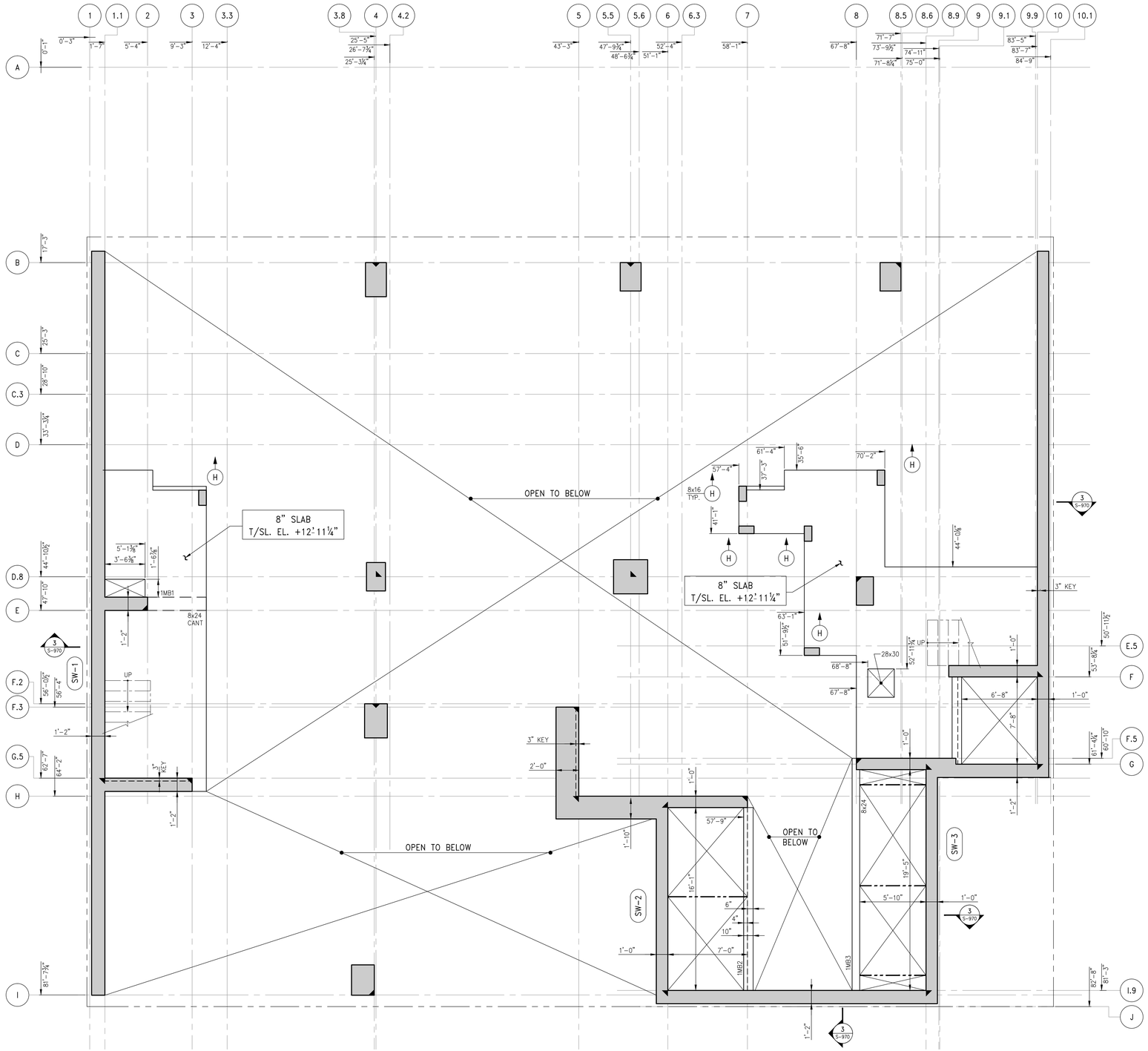
PROJ. NO. 1308890
ISSUE DATE
SCALE 1/4" = 1'-0"
DRAWN
CHECKED

DWG. TITLE
STAIR TRANSFER AT 1ST FLOOR FRAMING PLAN

DWG. NO.
S-015.00

NYC DOB Number



1 S-019 STAIR TRANSFER AT 1ST FLOOR GENERAL ARRANGEMENT PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 12'-11¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 8" THICK U.O.N. THUS [.....] ON PLAN.
3. FOR BALANCE OF INFORMATION CORRESPONDING FRAMING PLAN.

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REV.	DATE	DESCRIPTION
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	11.07.14	75% CD ISSUE

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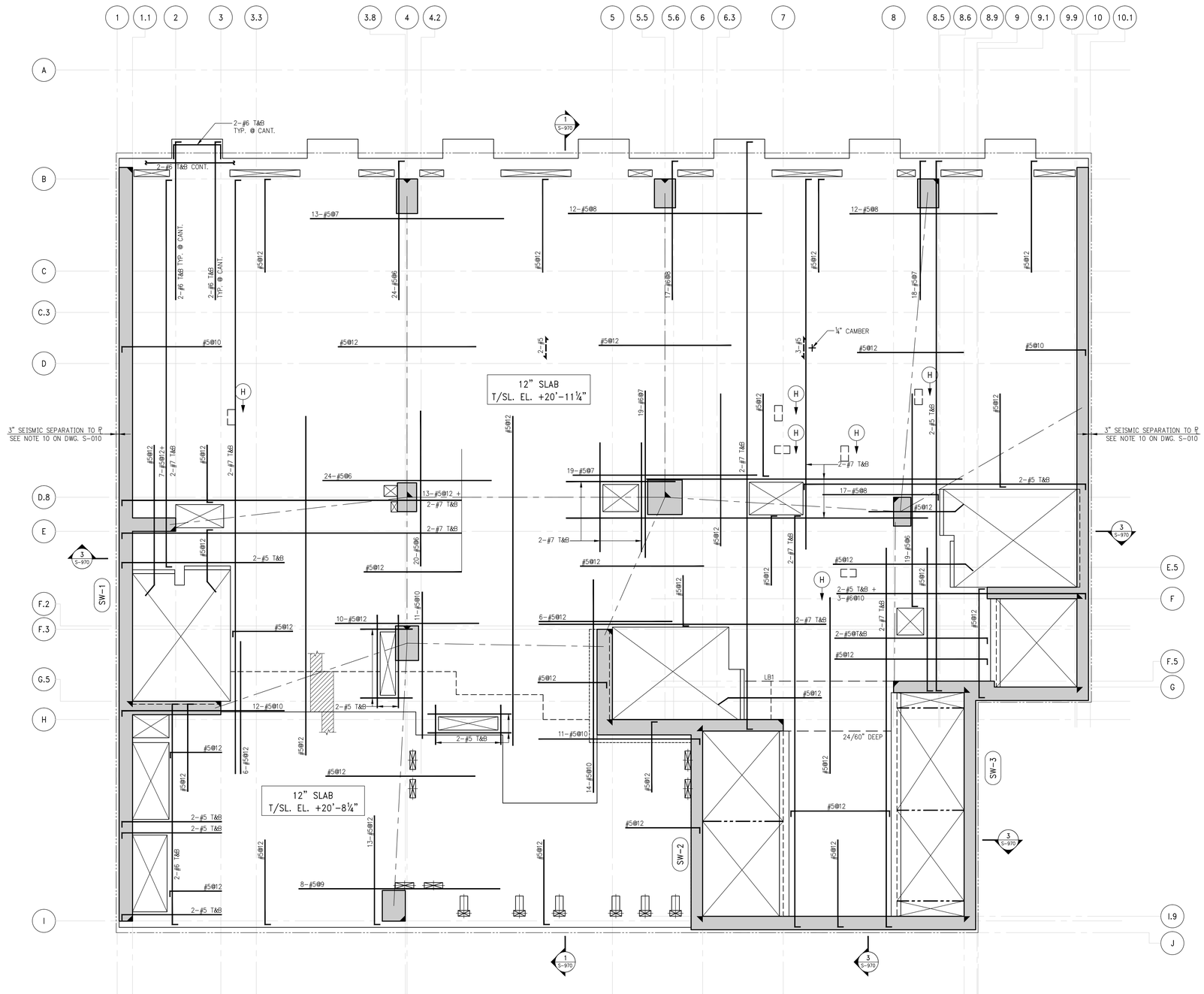
PROJ. NO.	1308890
ISSUE DATE	
SCALE	1/4" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE

STAIR TRANSFER AT 1ST FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.
S-019.00

NYC DOB Number



1 S-020

2ND FLOOR FRAMING PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 20'-11¼" U.O.N. THUS ON PLAN
2. SLAB TO BE 12" THICK U.O.N. THUS ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #5@12 CONT. E.W. FOR 12" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

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	06.27.14	100% DD ISSUE
	04.04.14	100% SD

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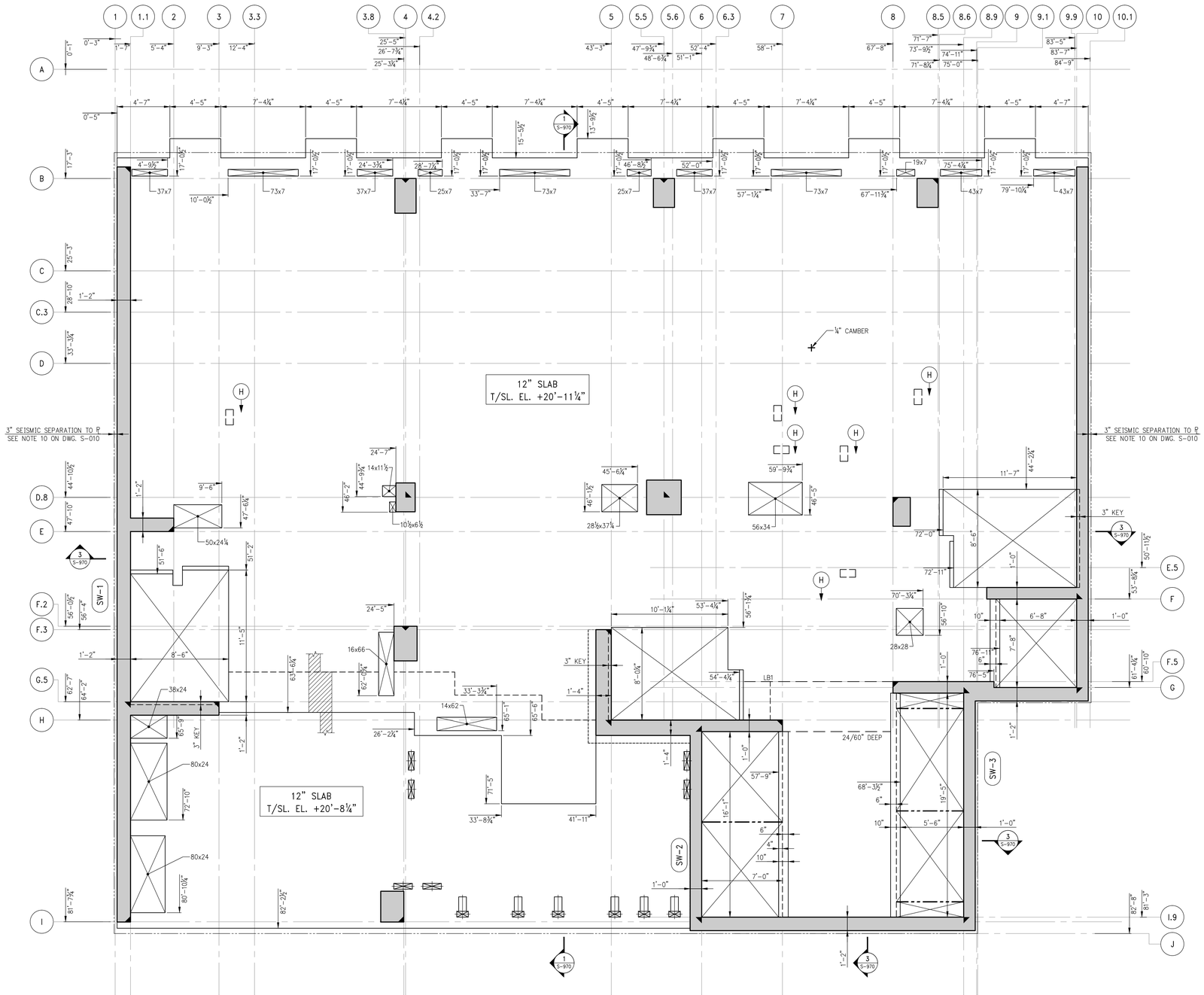
New York, NY 10020

PROJ. NO. 1308890
ISSUE DATE
SCALE 1/4" = 1'-0"
DRAWN
CHECKED

DWG. TITLE
2ND FLOOR FRAMING PLAN

DWG. NO.
S-020.00

NYC DOB Number



1 S-029 **2ND FLOOR GENERAL ARRANGEMENT PLAN**

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 20'-11¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 12" THICK U.O.N. THUS [.....] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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	01.19.15	100% CD ISSUE
	11.07.14	75% CD ISSUE

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Interior Designer
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Elevator Consultant
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New York, NY 10020

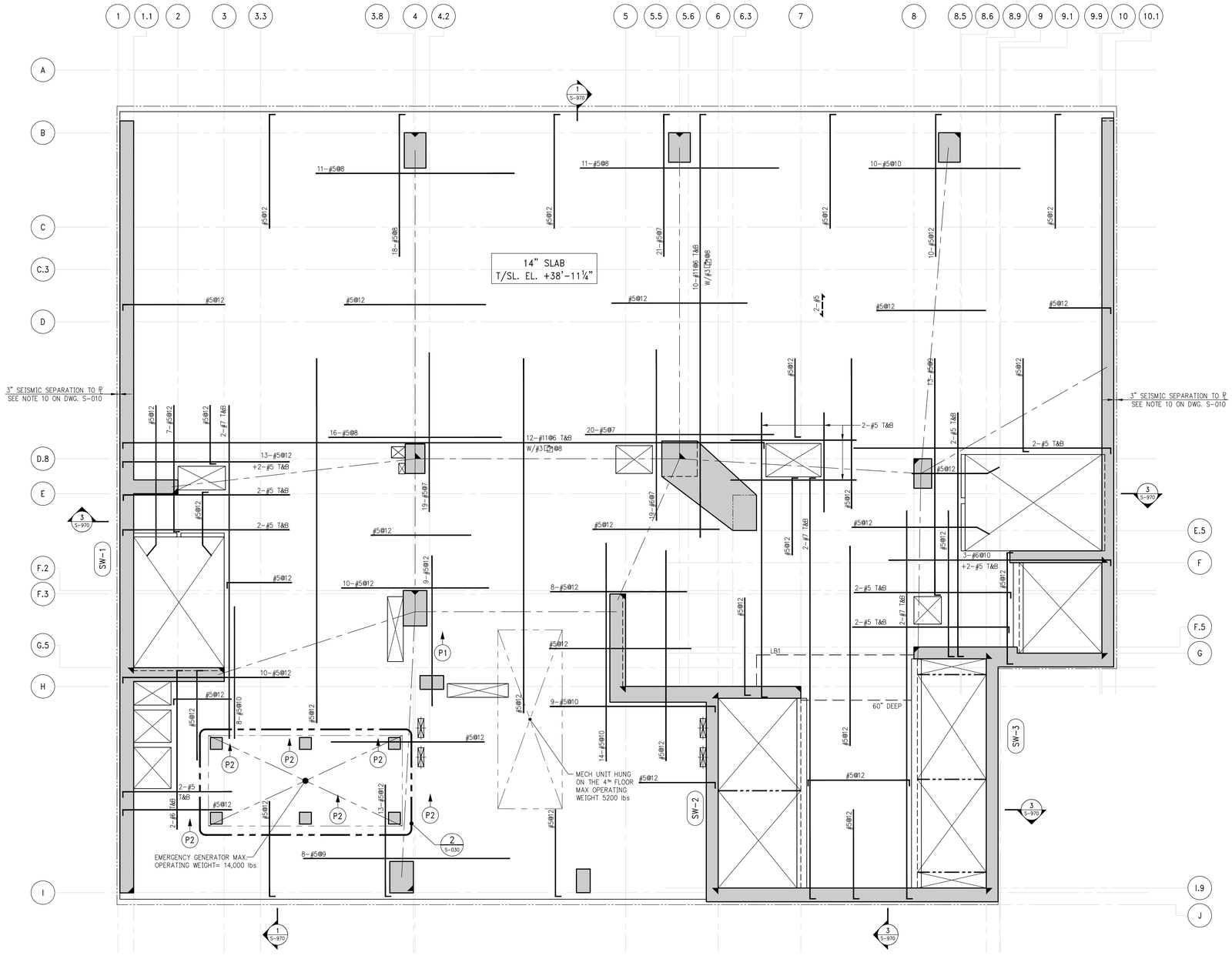
PROJ. NO.	1308890
ISSUE DATE	
SCALE	1/4" = 1'-0"
DRAWN	
CHECKED	

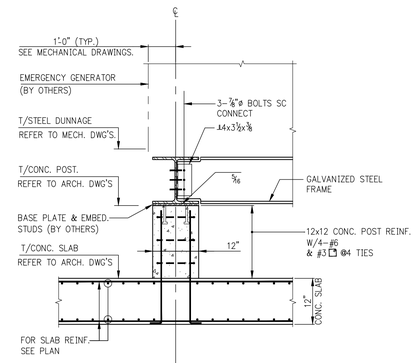
DWG. TITLE

2ND FLOOR GENERAL ARRANGEMENT PLAN

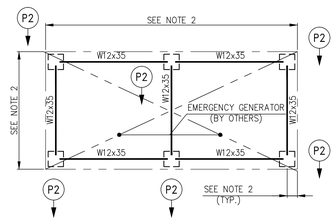
DWG. NO.
S-029.00

NYC DOB Number





3 S-030 SECTION
SCALE: ¾"=1'-0"



2 S-030 EMERGENCY GENERATOR FRAMING PLAN
SCALE: ¼"=1'-0"

NOTES:

1. TOP OF STEEL DUNNAGE EL. SEE ARCH. & MECH. DWG.
2. FOR EMERGENCY GENERATOR OVERALL DIMENSION, BALANCE OF INFORMATION SEE ARCH. & MECH. DWG.
3. EMERGENCY GENERATOR MAX OPERATING WEIGHT= 14,000 LBS.

1 S-030 3RD FLOOR FRAMING PLAN
SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 38'-11¼". U.O.N. THUS ▭ ON PLAN
2. SLAB TO BE 14" THICK U.O.N. THUS ▭ ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #5@12 CONT. E.W. FOR 14" SLAB U.O.N.
4. 12x12 CONC. POST REINF. W/4-#6 & #3▢ @4 TIES
5. 12X24 CONC. POST REINF. W/4-#9 & #3▢ @12 HORIZ. TIES
6. FOR BALANCE OF NOTES SEE DRAWING S-010.

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	06.27.14	100% DD ISSUE
	04.04.14	100% SD

112 W 25TH ST HOTEL

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New York, NY 10020

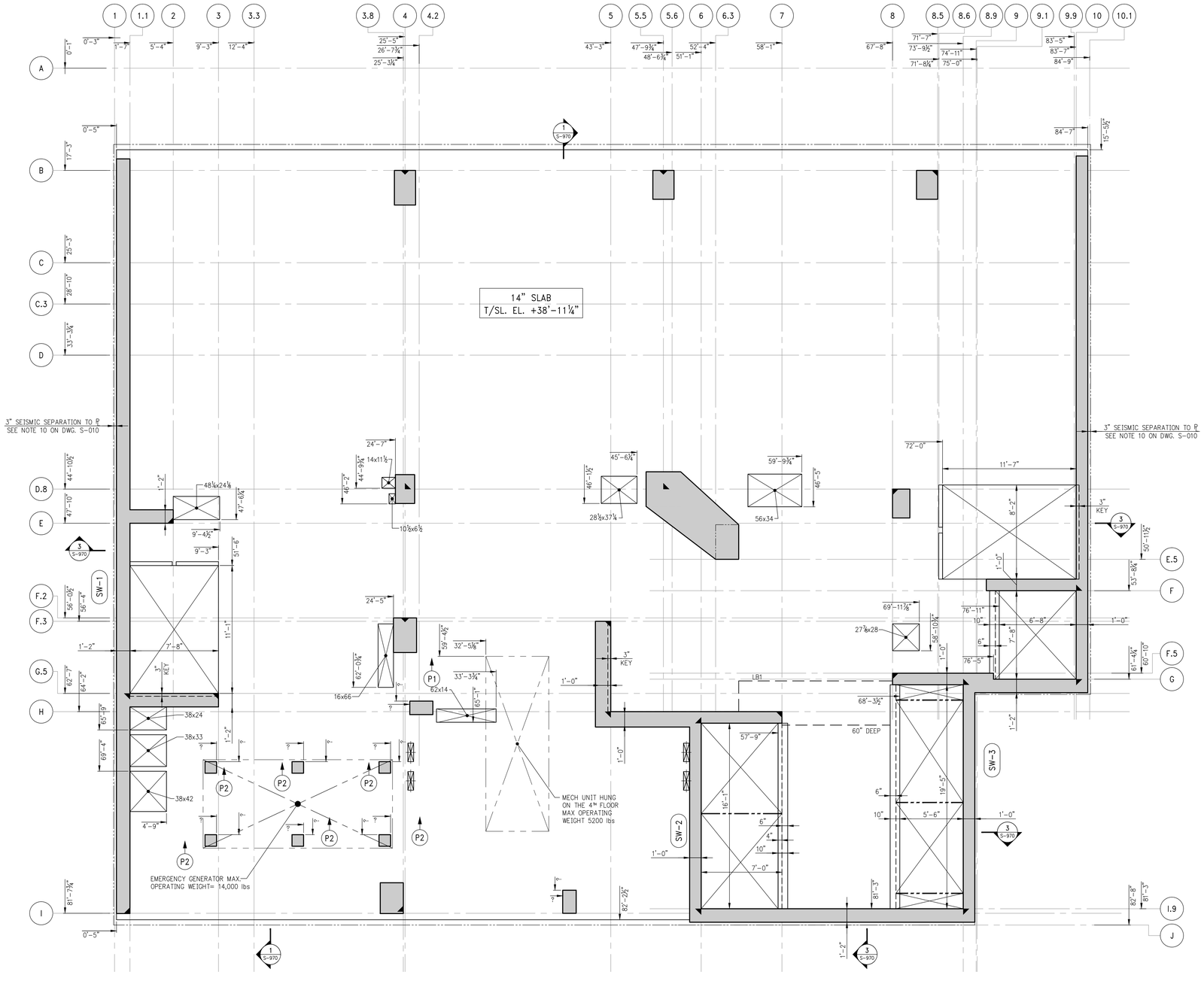
PROJ. NO.	1308890
ISSUE DATE	
SCALE	1/4" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE

3RD FLOOR FRAMING PLAN

DWG. NO.
S-030.00

NYC DOB Number



1 S-034

3RD FLOOR GENERAL ARRANGEMENT PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 38'-11¼". U.O.N. THUS [illegible] ON PLAN.
2. SLAB TO BE 14" THICK U.O.N. THUS [illegible] ON PLAN.
S. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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	01.19.15	100% CD ISSUE
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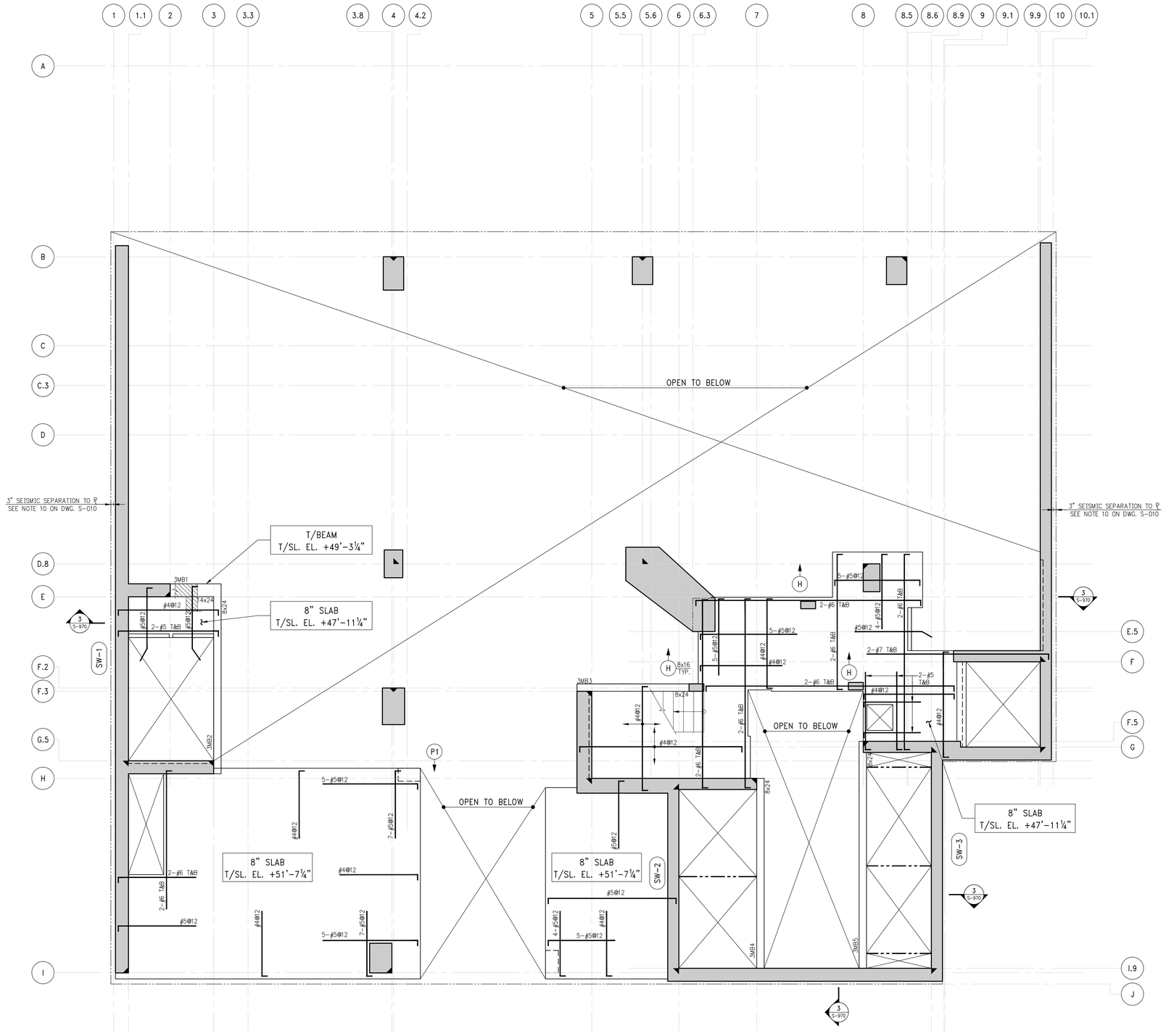
PROJ. NO.	1308890
ISSUE DATE	
SCALE	1/4" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE

3RD FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.
S-034.00

NYC DOB Number



1
S-035

STAIR TRANSFER AT 3RD FLOOR FRAMING PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE +47'-11¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 8" THICK U.O.N. THUS [.....] ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 8" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

BEAM SCHEDULE

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	
3MB1	14	24	2-#10	2-#10		1	#3	@8	UPTURNED
3MB2	8	24	2-#10	2-#10		1	#3	@8	UPTURNED
3MB3	8	24	2-#10	2-#10		1	#3	@8	UPTURNED
3MB4	8	24	2-#10	2-#10		1	#3	@8	UPTURNED
3MB5	8	24	2-#10	2-#10		1	#3	@8	UPTURNED

TYPE 1

STIRRUP TYPES

N.T.S.

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	06.27.14	100% DD ISSUE
	04.04.14	100% SD

112 W 25TH ST HOTEL

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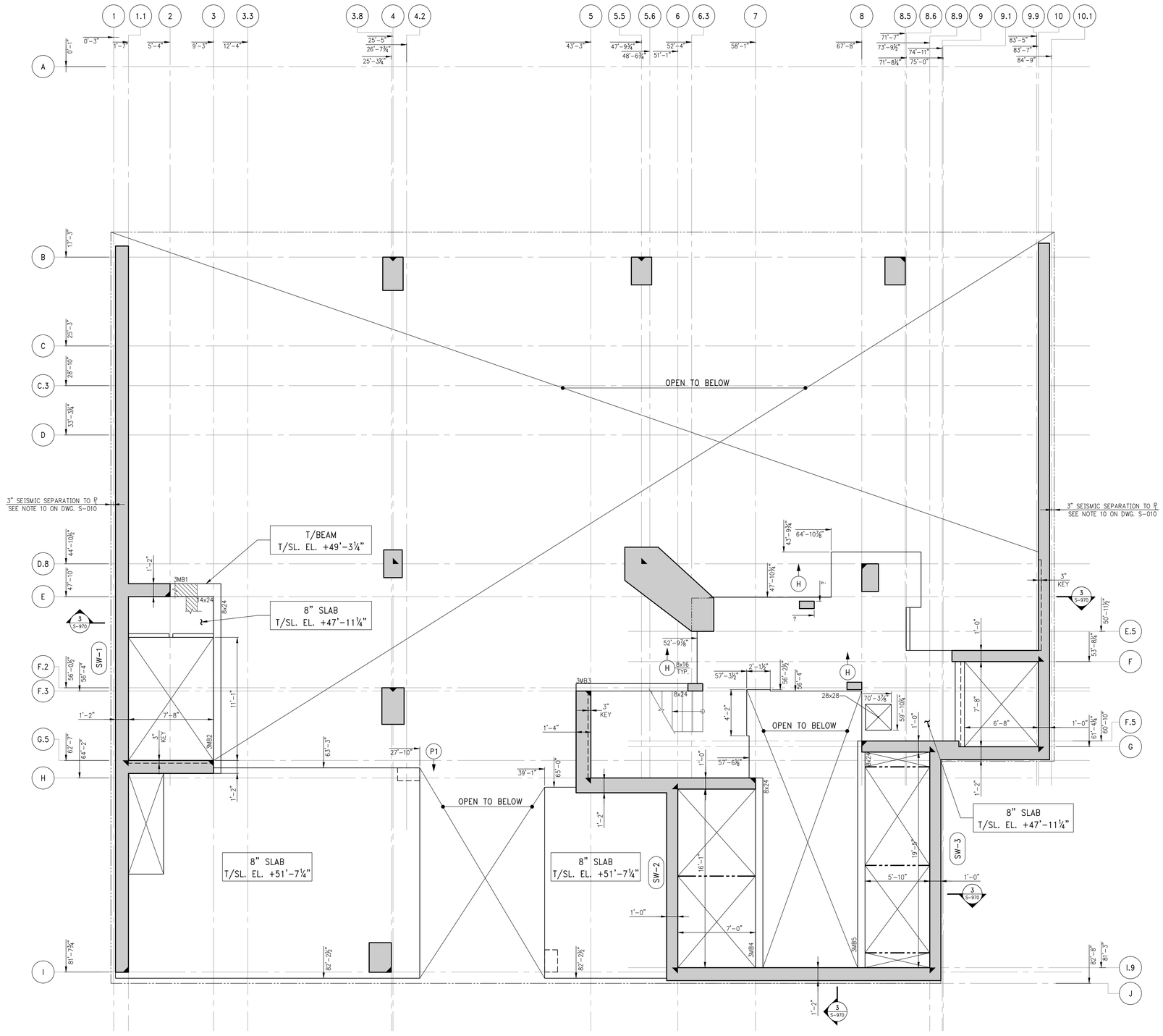
PROJ. NO. 1308890
ISSUE DATE
SCALE 1/4" = 1'-0"
DRAWN
CHECKED

DWG. TITLE
STAIR TRANSFER AT 3RD FLOOR FRAMING PLAN

DWG. NO.
S-035.00

NYC DOB Number



1 / S-039 STAIR TRANSFER AT 3RD FLOOR GENERAL ARRANGEMENT PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE U.O.N. THUS [illegible] ON PLAN.
2. SLAB TO BE 8" THICK U.O.N. THUS [illegible] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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	11.07.14	75% CD ISSUE

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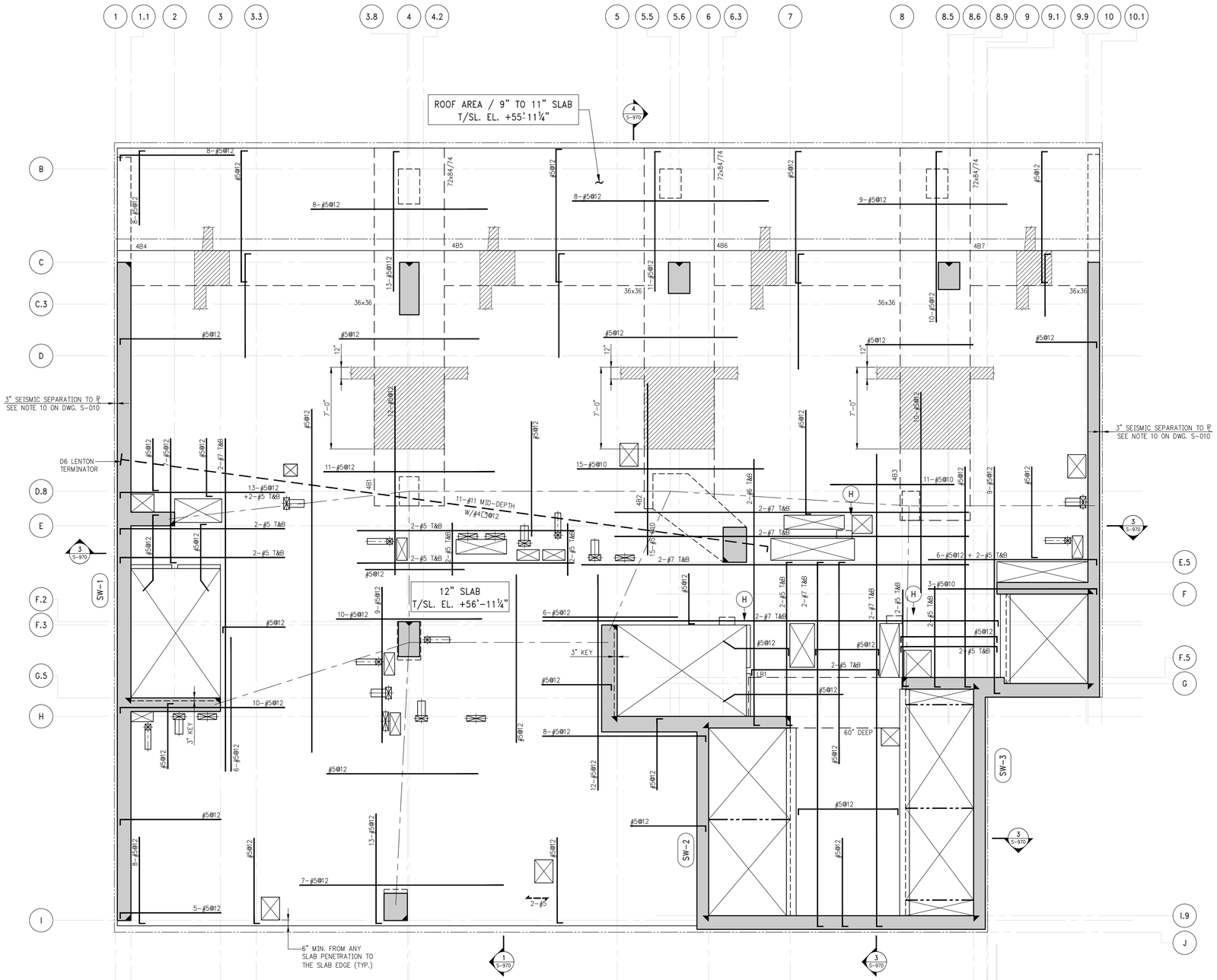
PROJ. NO.	1308890
ISSUE DATE	
SCALE	1/4" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE

STAIR TRANSFER AT 3RD FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.
S-039.00

NYC DOB Number



1 / S-040 — 4TH FLOOR FRAMING PLAN

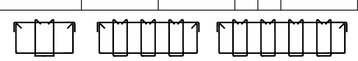
SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 56'-11¼" U.O.N. THUS [.....] ON PLAN
2. SLAB TO BE 12" THICK U.O.N. THUS [.....] ON PLAN.
3. BOTTOM REINFORCEMENT TO BE: #4@12 CONT. E.W. FOR 9" SLAB U.O.N.
   #5@12 CONT. E.W. FOR 12" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

BEAM SCHEDULE

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	REMARKS
4B1	72	84/74	60-#11 (3 LAYERS)	20-#11		5	#6	@ 6"	#5@6 HORIZ. E.F. f'c=7200 PSI MIN.
4B2	72	84/74	44-#11 (2 LAYERS)	15-#11		4	#6	@ 6"	#5@6 HORIZ. E.F. f'c=7200 PSI MIN.
4B3	72	84/74	38-#11 (2 LAYERS)	13-#11		4	#6	@ 6"	#5@6 HORIZ. E.F. f'c=7200 PSI MIN.
4B4	36	36	5-#11	5-#11		2	#4	@ 12"	
4B5	36	36	5-#11	5-#11		2	#4	@ 12"	
4B6	36	36	5-#11	5-#11		2	#4	@ 12"	
4B7	36	36	5-#11	5-#11		2	#4	@ 12"	



TYPE 2 TYPE 4 TYPE 5

STIRRUP TYPES

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112 W 25TH ST HOTEL

112 West 25th Street
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PROJ. NO. 1308890

ISSUE DATE

SCALE 1/4" = 1'-0"

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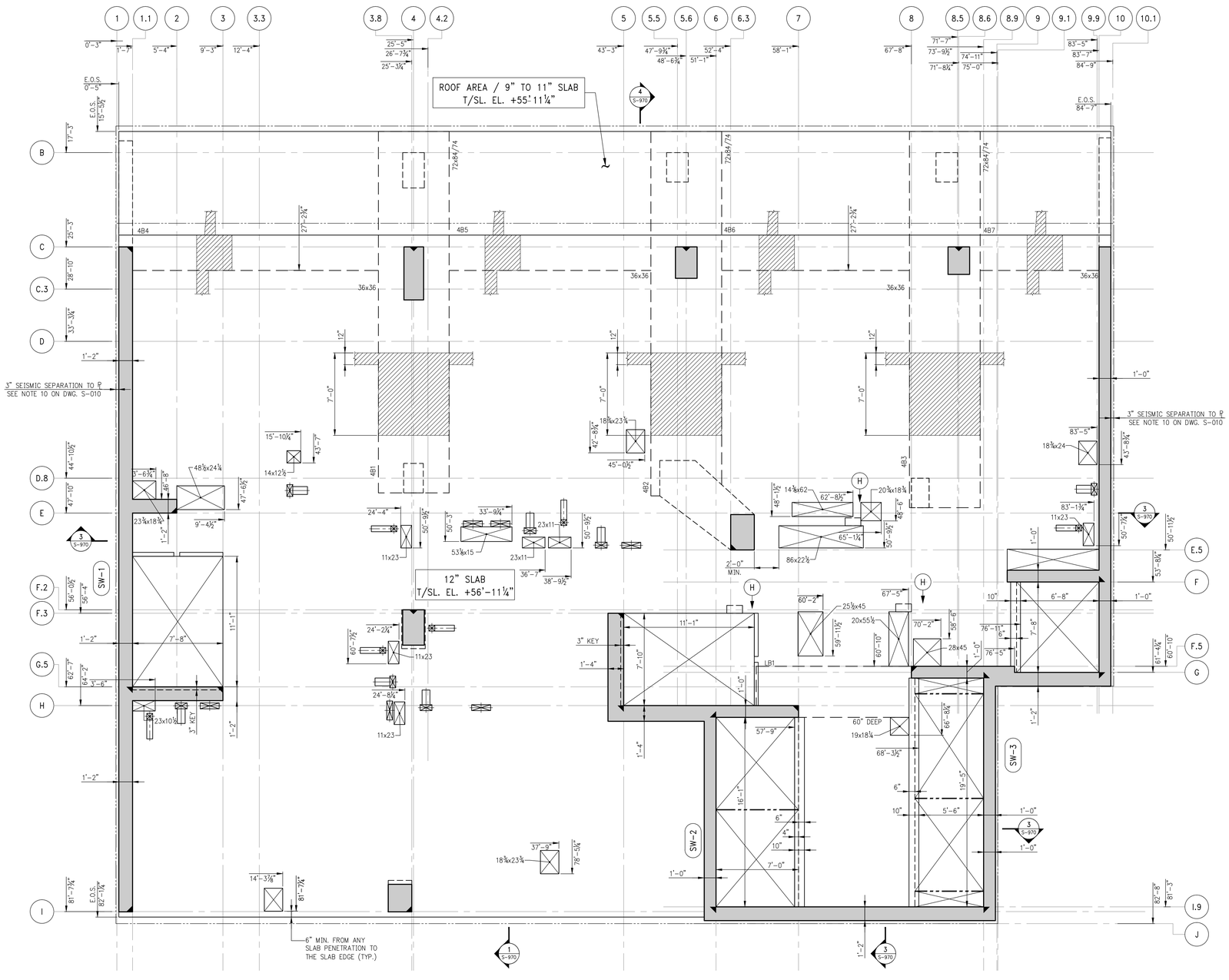
DWG. TITLE

4TH FLOOR FRAMING PLAN

DWG. NO.

S-040.00

NYC DOB Number



1 S-049 **4TH FLOOR GENERAL ARRANGEMENT PLAN**

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 56'-11¼" U.O.N. THUS [illegible] ON PLAN.
2. SLAB TO BE 12" THICK U.O.N. THUS [illegible] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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PROJ. NO.	1308890
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SCALE	1/4" = 1'-0"
DRAWN	
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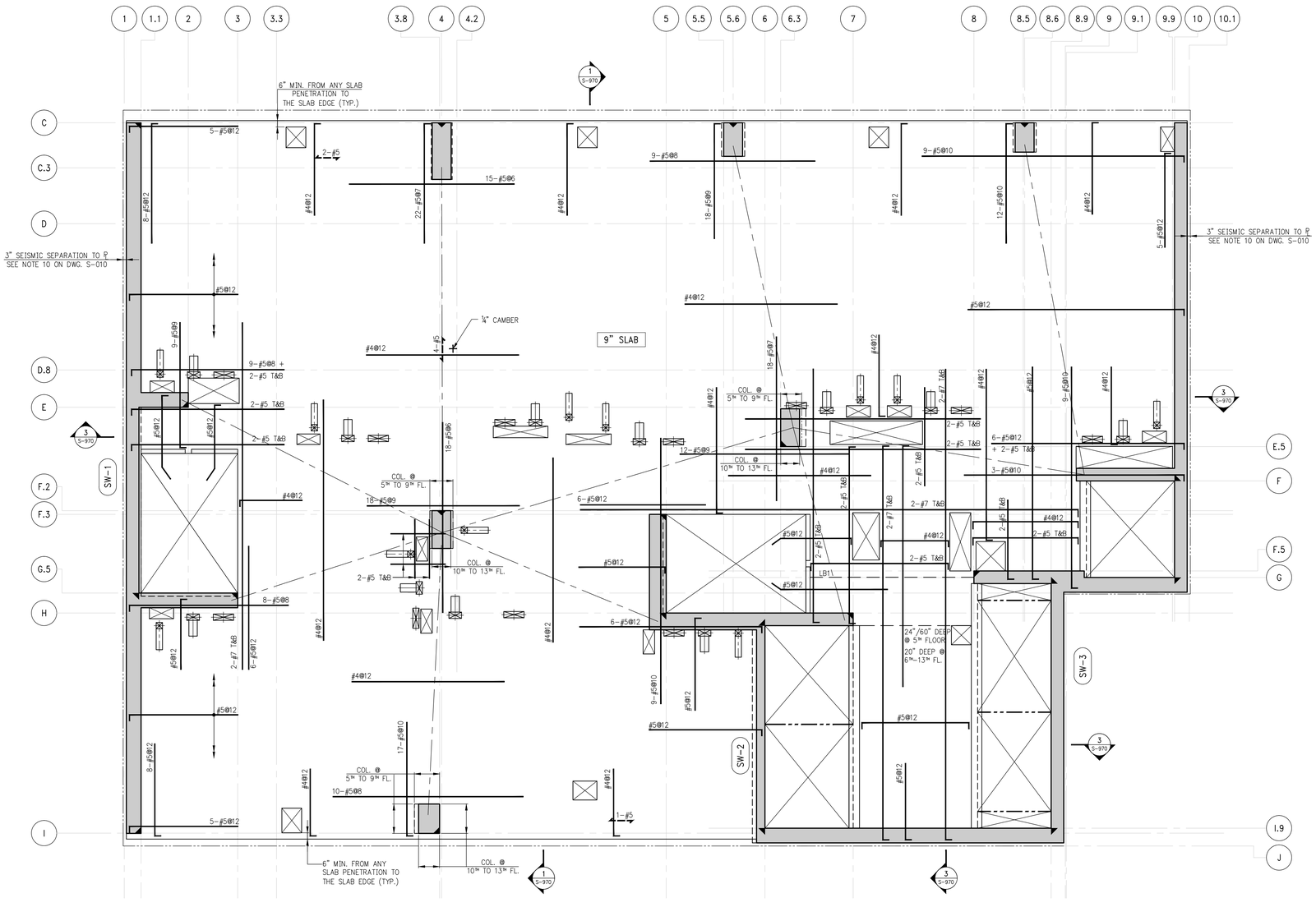
DWG. TITLE

4TH FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.
S-049.00

NYC DOB Number



1 S-050 TYPICAL 5TH–13TH FLOOR FRAMING PLAN (LOW RISE)

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATIONS TO BE AS FOLLOWS U.O.N. THUS [.....] ON PLAN:
   - 5TH FLOOR – 74'-11¼
   - 6TH FLOOR – 84'-3¼"
   - 7TH FLOOR – 93'-7¼"
   - 8TH FLOOR – 102'-11¼
   - 9TH FLOOR – 112'-3¼"
   - 10TH FLOOR – 121'-7¼"
   - 11TH FLOOR – 130'-11¼"
   - 12TH FLOOR – 140'-3¼"
   - 13TH FLOOR – 149'-7¼
2. SLAB TO BE 9" THICK U.O.N. THUS [.....] ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 9" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

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SCALE	1/4" = 1'-0"
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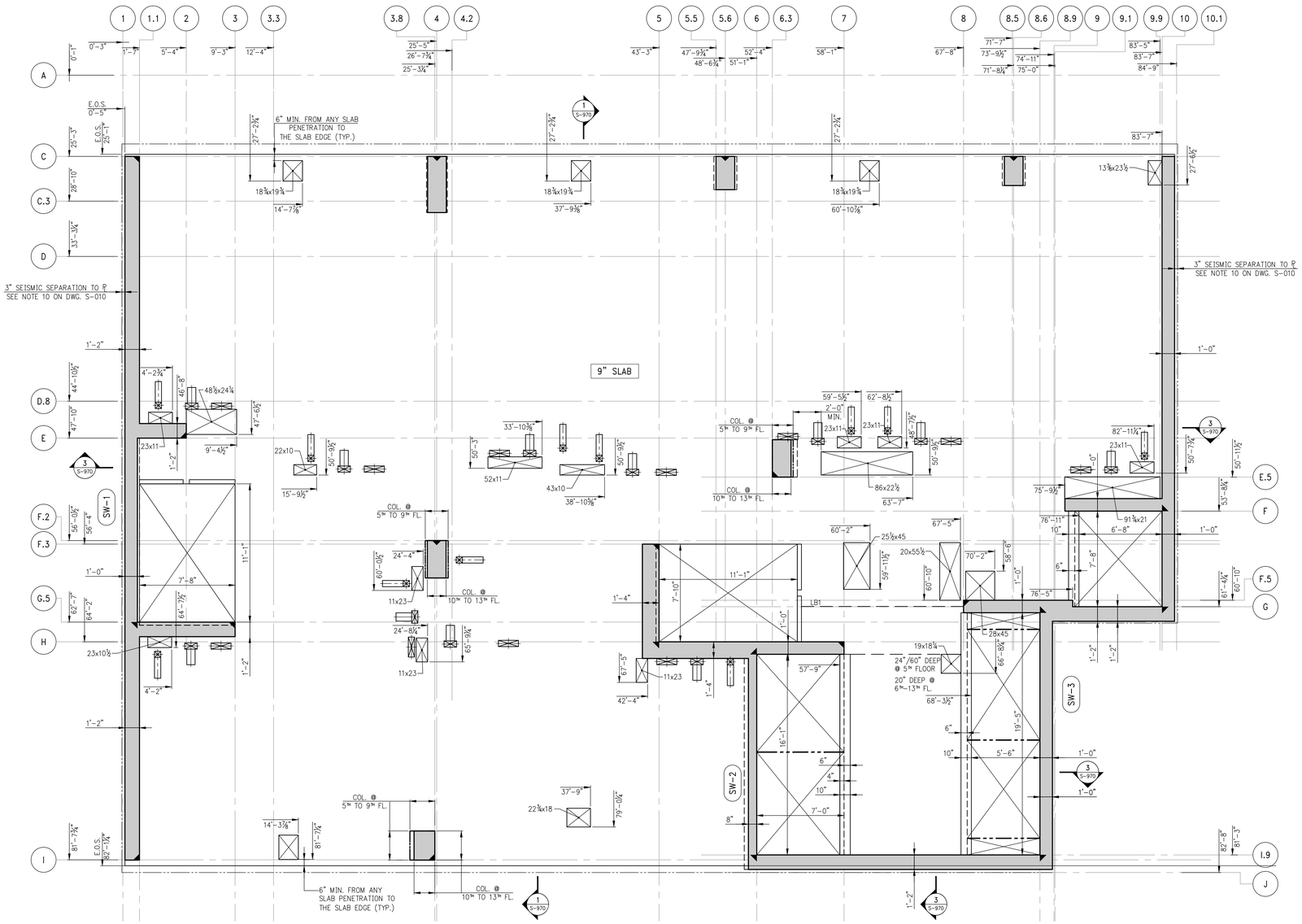
DWG. TITLE
TYPICAL 5TH–13TH FLOOR FRAMING PLAN (LOW RISE)

DWG. NO.
S-050.00

NYC DOB Number



1 S-059 TYPICAL 5TH–13TH FLOOR GENERAL ARRANGEMENT PLAN (LOW RISE)

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATIONS TO BE AS FOLLOWS U.O.N. THUS ON PLAN:
   - 5TH FLOOR – 74'-11¼
   - 6TH FLOOR – 84'-3¼"
   - 7TH FLOOR – 93'-7¼"
   - 8TH FLOOR – 102'-11¼
   - 9TH FLOOR – 112'-3¼"
   - 10TH FLOOR – 121'-7¼"
   - 11TH FLOOR – 130'-11¼"
   - 12TH FLOOR – 140'-3¼"
   - 13TH FLOOR – 149'-7¼
2. SLAB TO BE 9" THICK U.O.N. THUS ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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	04.04.14	100% SD

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SCALE	1/4" = 1'-0"
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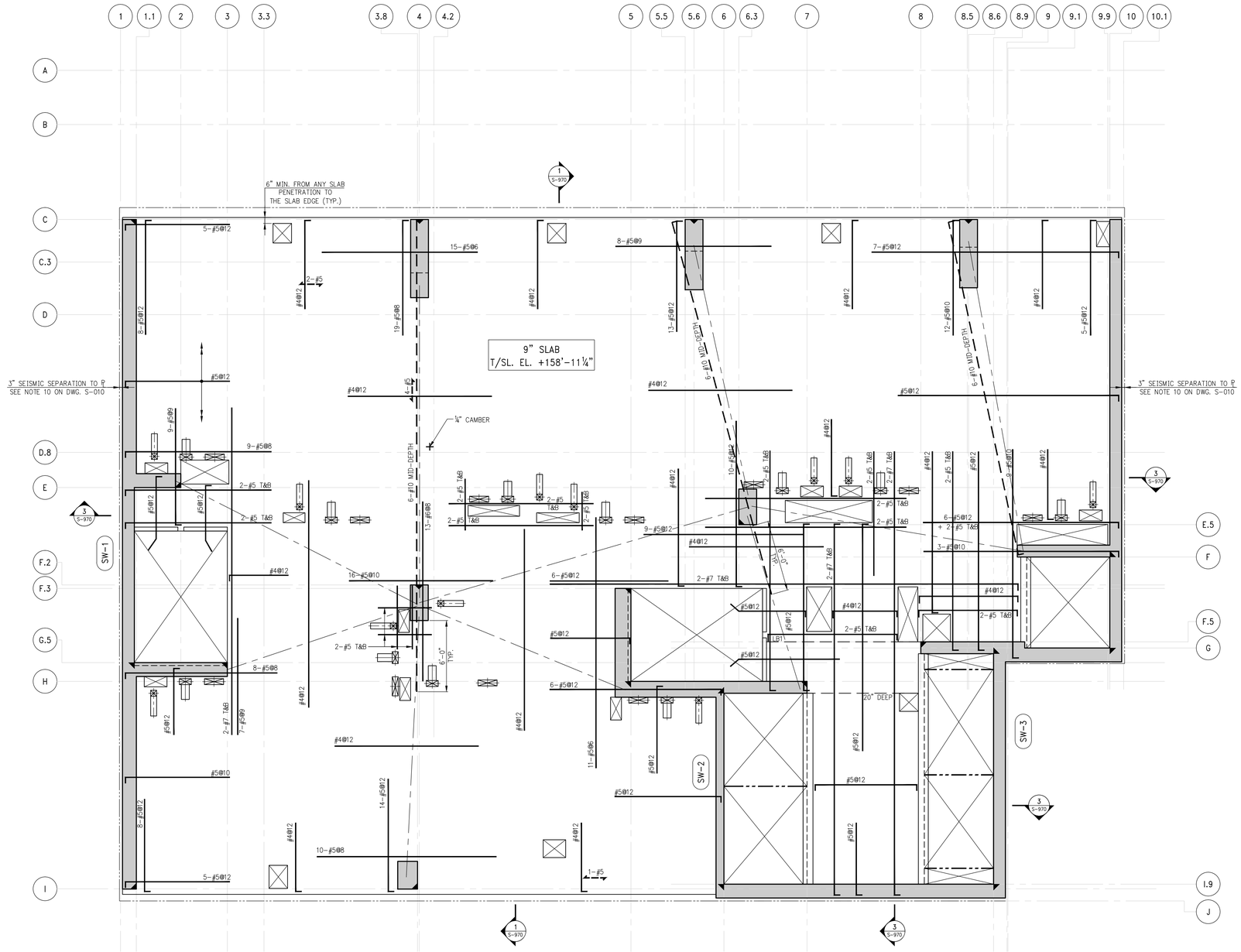
DWG. TITLE

TYPICAL 5TH–13TH FLOOR GENERAL ARRANGEMENT PLAN (LOW RISE)

DWG. NO.
S-059.00

NYC DOB Number



1 / S-140 — 14TH FLOOR FRAMING PLAN (LOW RISE)

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 158'-11¼" U.O.N. THUS [illegible] ON PLAN.
2. SLAB TO BE 9" THICK U.O.N. THUS [illegible] ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 9" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

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PROJ. NO.	1308890
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SCALE	1/4" = 1'-0"
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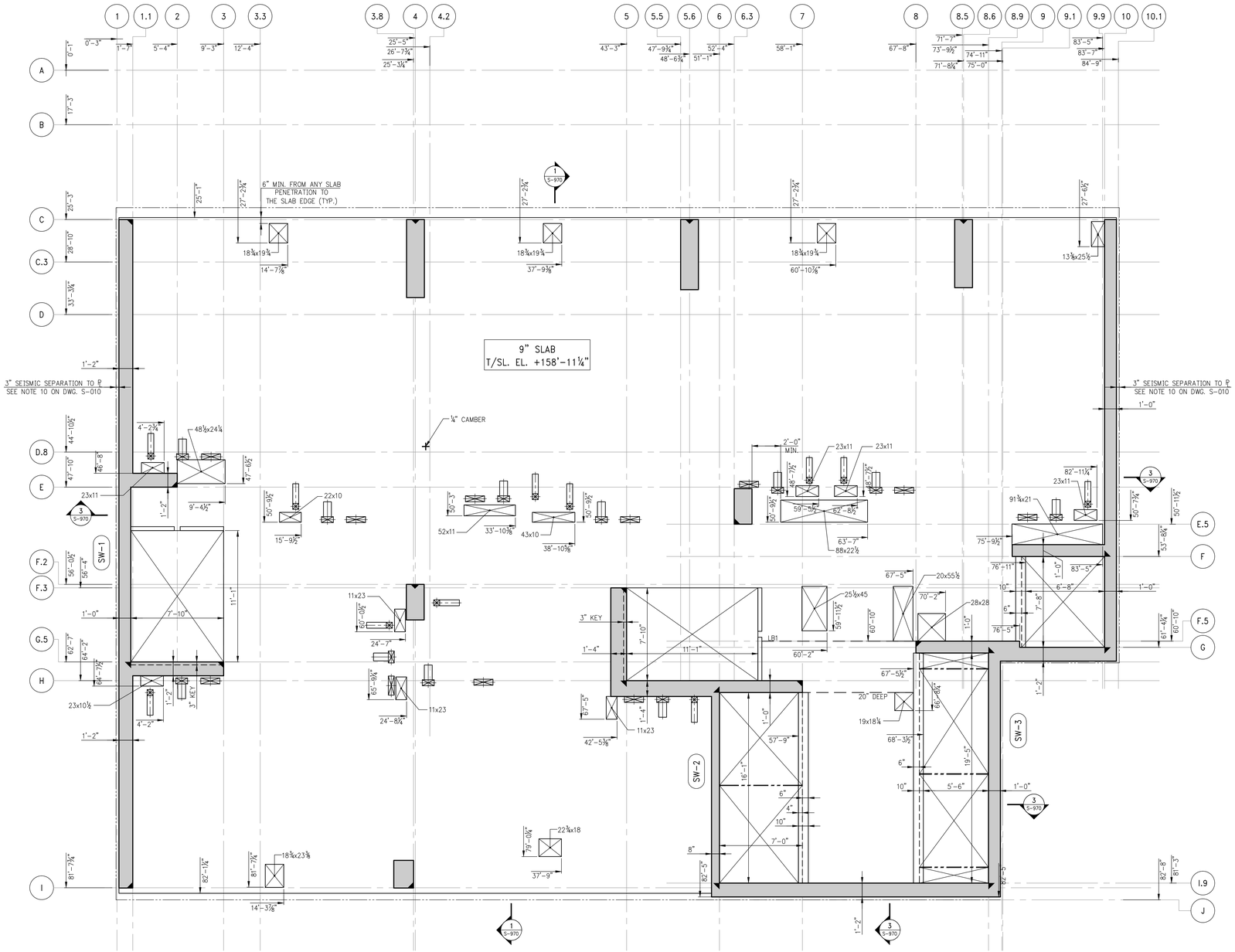
DWG. TITLE

14TH FLOOR FRAMING PLAN (LOW RISE)

DWG. NO.

S-140.00

NYC DOB Number



1 / S-144 **14TH FLOOR GENERAL ARRANGEMENT PLAN (LOW RISE)**

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 158'-11¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 9" THICK U.O.N. THUS [.....] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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SCALE	1/4" = 1'-0"
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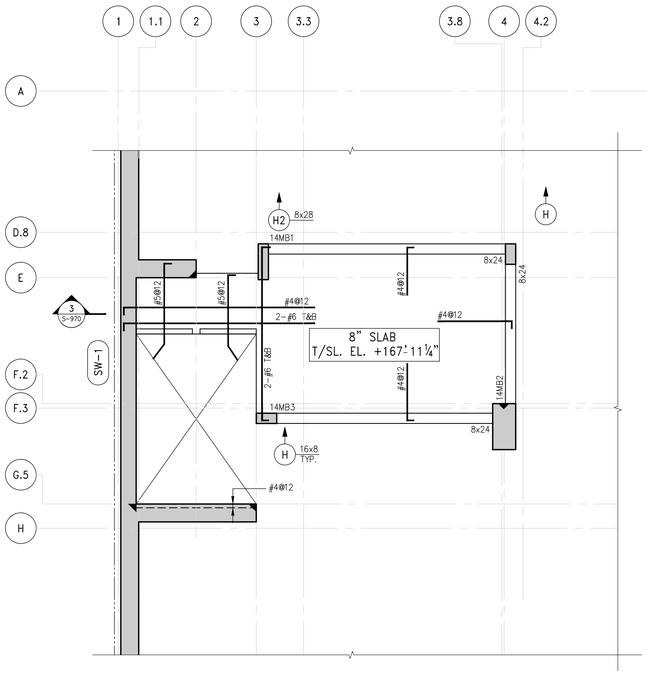
DWG. TITLE

14TH FLOOR GENERAL ARRANGEMENT PLAN (LOW RISE)

DWG. NO.
S-144.00

NYC DOB Number



1
S-145

STAIR TRANSFER AT 14TH FLOOR FRAMING PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE: 167'-11¼" U.O.N. THUS ON PLAN.
2. SLAB TO BE 8" THICK U.O.N. THUS ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 8" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

BEAM SCHEDULE

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	
14MB1	8	24	2-#10	2-#10		1	#3	@ 8"	UPTURNED
14MB2	8	24	2-#10	2-#10		1	#3	@ 8"	UPTURNED
14MB3	8	24	2-#10	2-#10		1	#3	@ 8"	UPTURNED

TYPE 1

STIRRUP TYPES

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New York, NY 10020

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SCALE 1/4" = 1'-0"
DRAWN
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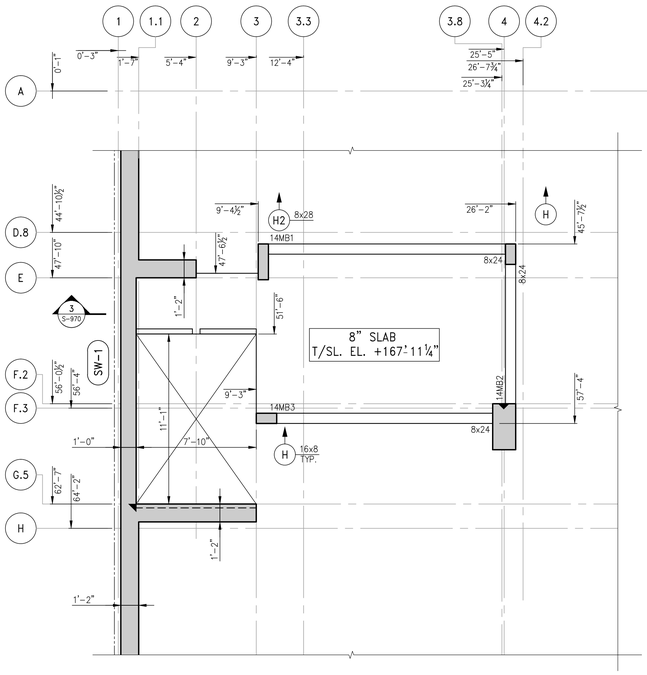
DWG. TITLE
STAIR TRANSFER AT 14TH FLOOR FRAMING PLAN

DWG. NO.
S-145.00

NYC DOB Number



1
S-149

14TH FLOOR MEZZANINE GENERAL ARRANGEMENT PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 167'-11¼" U.O.N. THUS [illegible] ON PLAN.
2. SLAB TO BE 8" THICK U.O.N. THUS [illegible] ON PLAN.
3. FOR BALANCE OF NO INFORMATION CORRESPONDING FRAMING PLAN.

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SCALE	1/4" = 1'-0"
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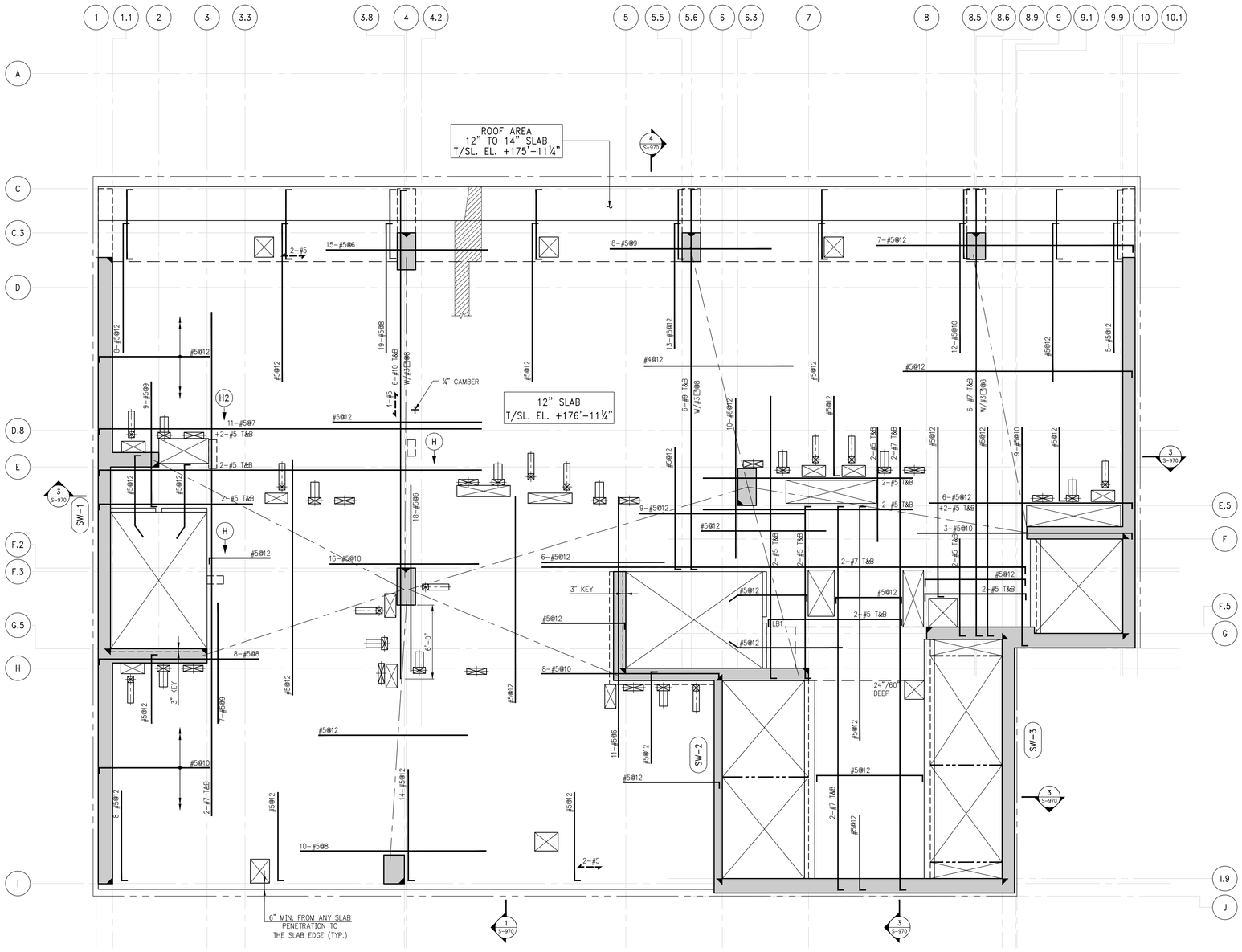
DWG. TITLE

14TH FLOOR MEZZANINE GENERAL ARRANGEMENT PLAN

DWG. NO.
S-149.00

NYC DOB Number



1 S-150 15TH FLOOR FRAMING PLAN (HIGH RISE)

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 176'-11¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 12" THICK U.O.N. THUS [.....] ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #5@12 CONT. E.W. FOR 12" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

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SCALE	¼" = 1'-0"
DRAWN	
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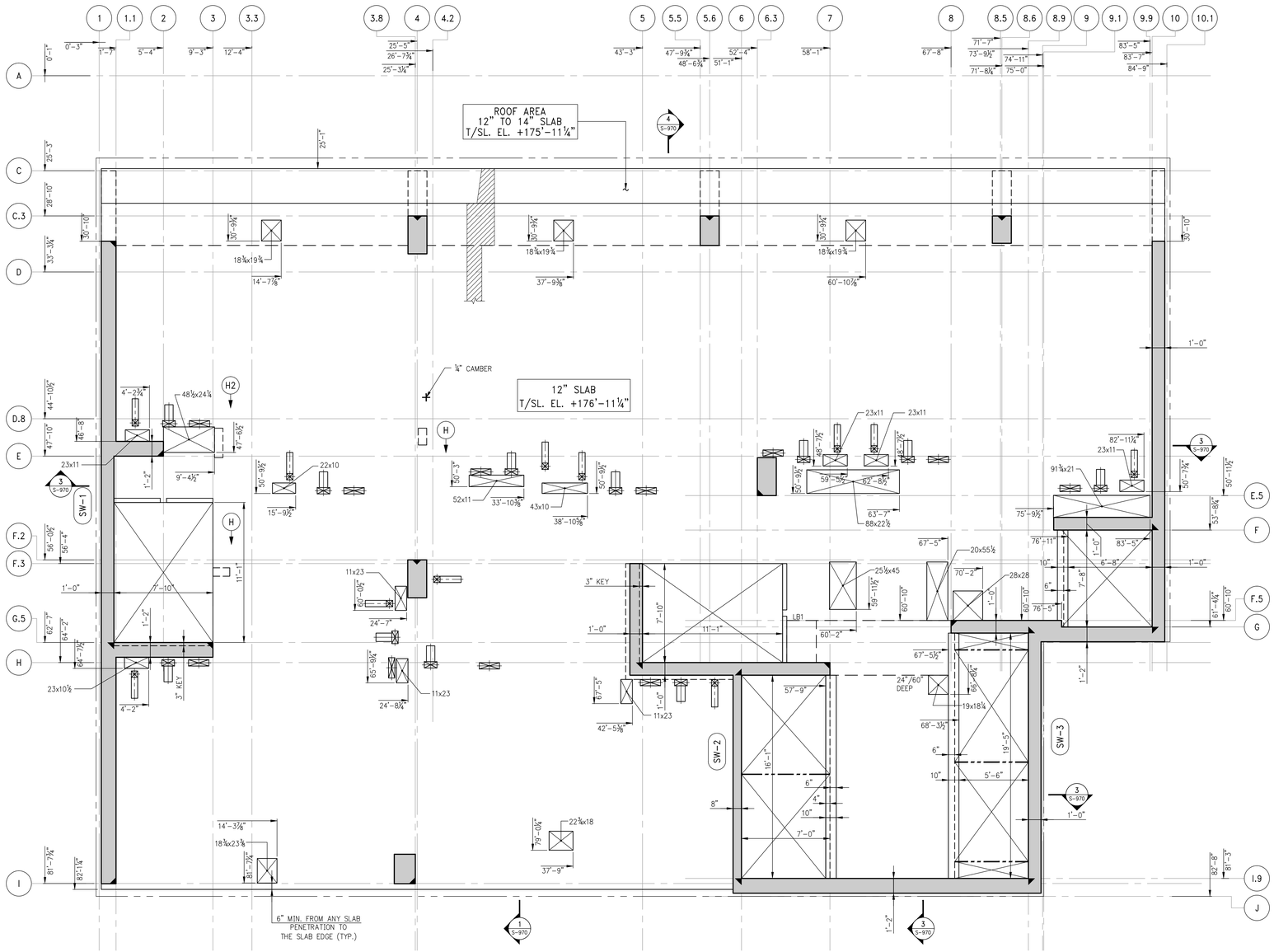
DWG. TITLE

15TH FLOOR FRAMING PLAN (HIGH RISE)

DWG. NO.
S-150.00

NYC DOB Number



1 / S-159 15TH FLOOR GENERAL ARRANGEMENT PLAN (HIGH RISE)

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 176'-11¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 12" THICK U.O.N. THUS [.....] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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PROJ. NO.	1308890
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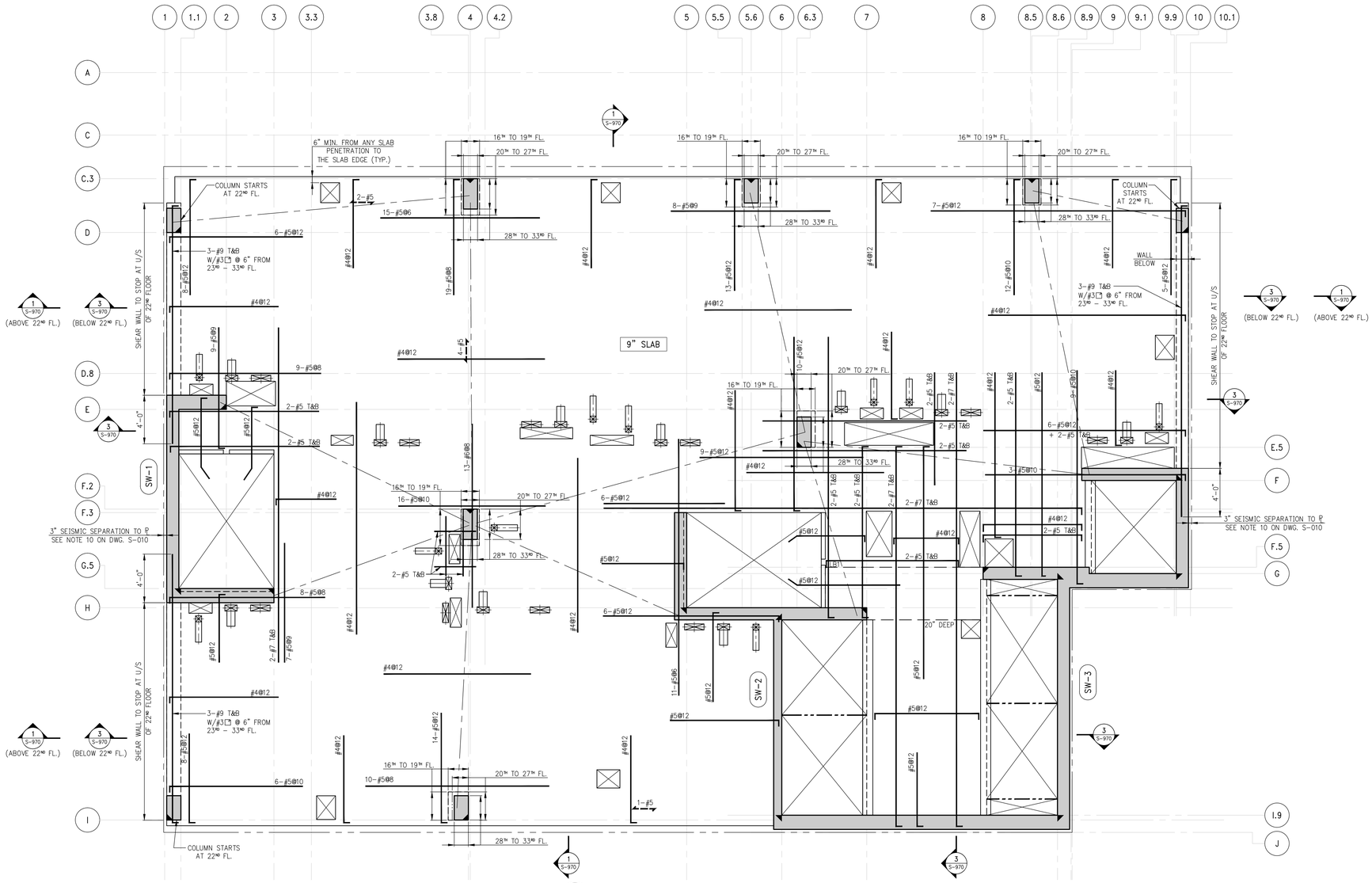
SCALE	1/4" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE

15TH FLOOR GENERAL ARRANGEMENT PLAN (HIGH RISE)

DWG. NO.
S-159.00

NYC DOB Number



1 S-160 TYPICAL 16TH–33RD FLOOR FRAMING PLAN (HIGH RISE)

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE AS FOLLOWS (U.O.N. THUS ON PLAN):
   - 16TH FLOOR – 186'-3¾"
   - 17TH FLOOR – 195'-7¾"
   - 18TH FLOOR – 204'-11¾"
   - 19TH FLOOR – 214'-3¾"
   - 20TH FLOOR – 223'-7¾"
   - 21ST FLOOR – 232'-11¾"
   - 22ND FLOOR – 242'-3¾"
   - 23RD FLOOR – 251'-7¾"
   - 24TH FLOOR – 260'-11¾"
   - 25TH FLOOR – 270'-3¾"
   - 26TH FLOOR – 279'-7¾"
   - 27TH FLOOR – 288'-11¾"
   - 28TH FLOOR – 298'-3¾"
   - 29TH FLOOR – 307'-7¾"
   - 30TH FLOOR – 316'-11¾"
   - 31ST FLOOR – 326'-3¾"
   - 32ND FLOOR – 335'-7¾"
   - 33RD FLOOR – 344'-11¾"
2. SLAB TO BE 9" THICK U.O.N. THUS ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 9" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

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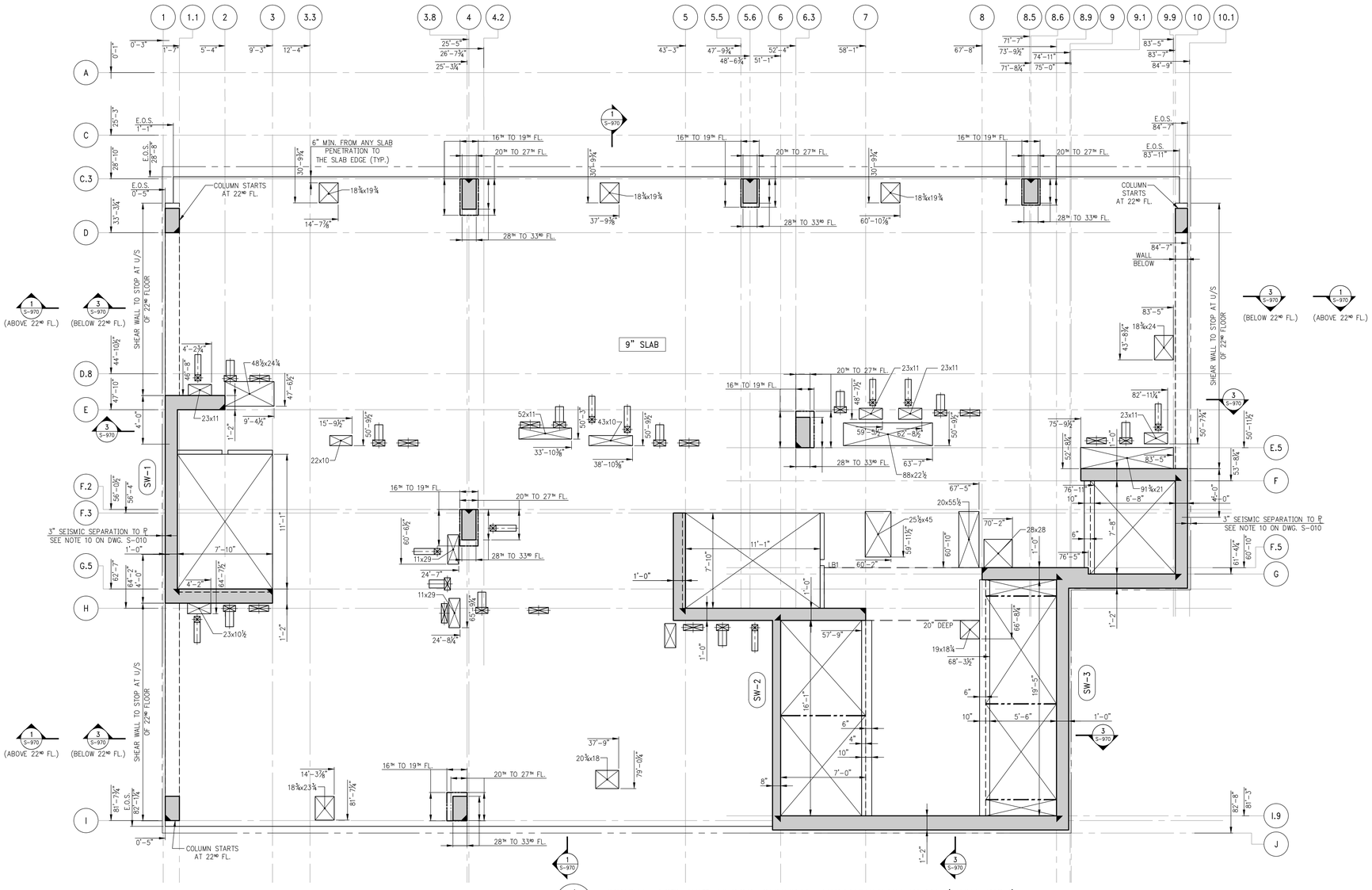
DWG. TITLE
TYPICAL 16TH–33RD FLOOR FRAMING PLAN (HIGH RISE)

DWG. NO.
S-160.00

NYC DOB Number



1 S-169 TYPICAL 16TH–33RD FLOOR GENERAL ARRANGEMENT PLAN (HIGH RISE)

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE AS FOLLOWS (U.O.N. THUS [.....] ON PLAN):
   - 16TH FLOOR – 186'-3¾"
   - 17TH FLOOR – 195'-7¾"
   - 18TH FLOOR – 204'-11¾"
   - 19TH FLOOR – 214'-3¾"
   - 20TH FLOOR – 223'-7¾"
   - 21ST FLOOR – 232'-11¾"
   - 22ND FLOOR – 242'-3¾"
   - 23RD FLOOR – 251'-7¾"
   - 24TH FLOOR – 260'-11¾"
   - 25TH FLOOR – 270'-3¾"
   - 26TH FLOOR – 279'-7¾"
   - 27TH FLOOR – 288'-11¾"
   - 28TH FLOOR – 298'-3¾"
   - 29TH FLOOR – 307'-7¾"
   - 30TH FLOOR – 316'-11¾"
   - 31ST FLOOR – 326'-3¾"
   - 32ND FLOOR – 335'-7¾"
   - 33RD FLOOR – 344'-11¾"
2. SLAB TO BE 9" THICK U.O.N. THUS [.....] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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112 W 25TH ST HOTEL

112 West 25th Street
New York, New York 10001

Owner / Developer:
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202 Centre Street, 6th Floor
New York, New York 10013

Structural Engineer
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New York, NY 10017

MEP Engineer
Edward & Zuck PC Consulting Engineers
315 Park Avenue South
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Interior Designer
Stonehill & Taylor
31 West 27th Street
New York, NY 10001

Elevator Consultant
Jenkins & Huntington Elevator Consultating
1251 Avenue of the Americas
New York, NY 10020

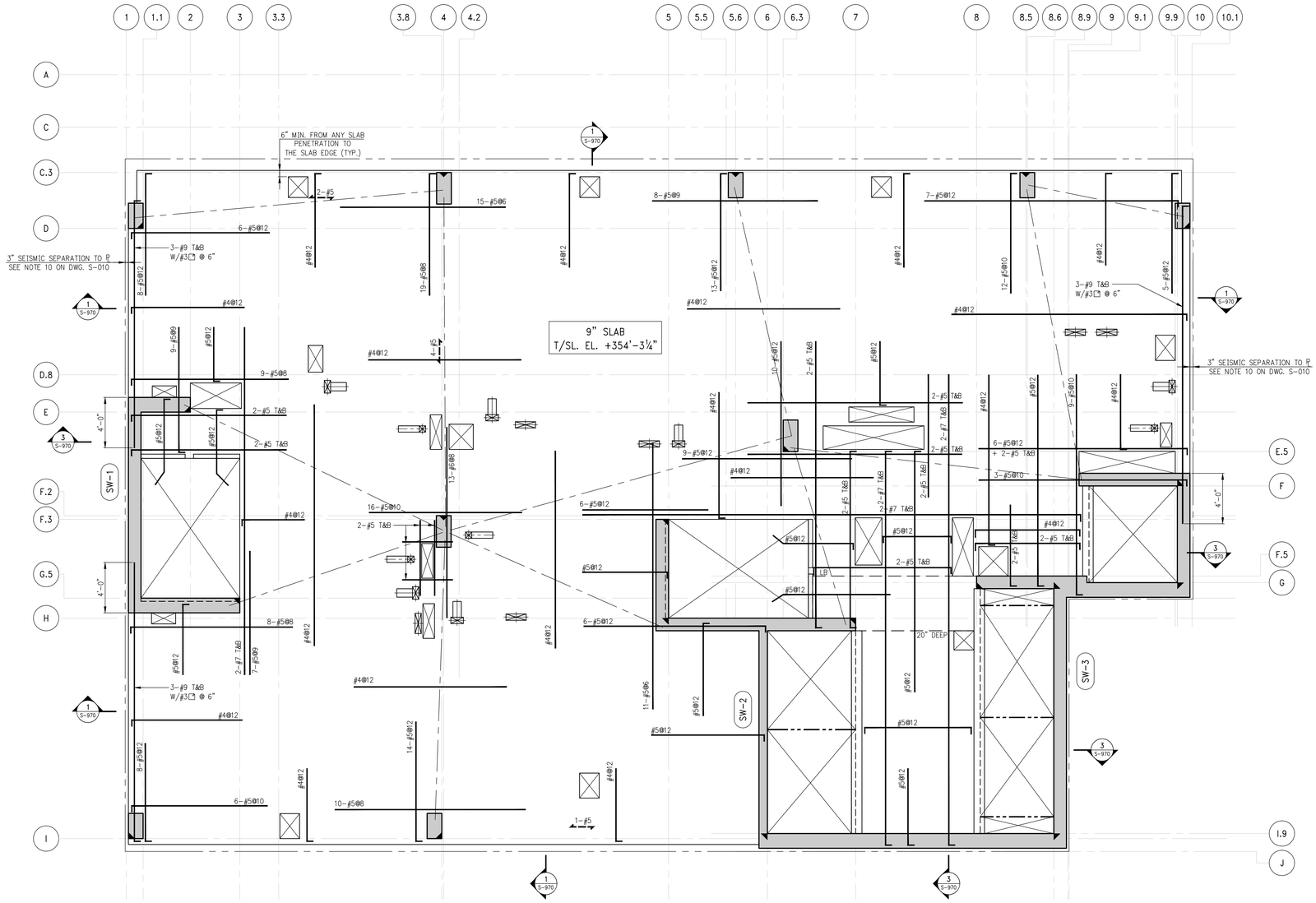
PROJ. NO.	1308890
ISSUE DATE	
SCALE	¼" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE

TYPICAL 16TH–33RD GENERAL ARRANGEMENT PLAN (HIGH RISE)

DWG. NO.
S-169.00

NYC DOB Number



1 / S-340

34TH FLOOR FRAMING PLAN

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 354'-3¼" U.O.N. THUS ON PLAN.
2. SLAB TO BE 9" THICK U.O.N. THUS ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #4Ø12 CONT. E.W. FOR 9" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

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PROJ. NO.	1308890
ISSUE DATE	
SCALE	¼" = 1'-0"
DRAWN	
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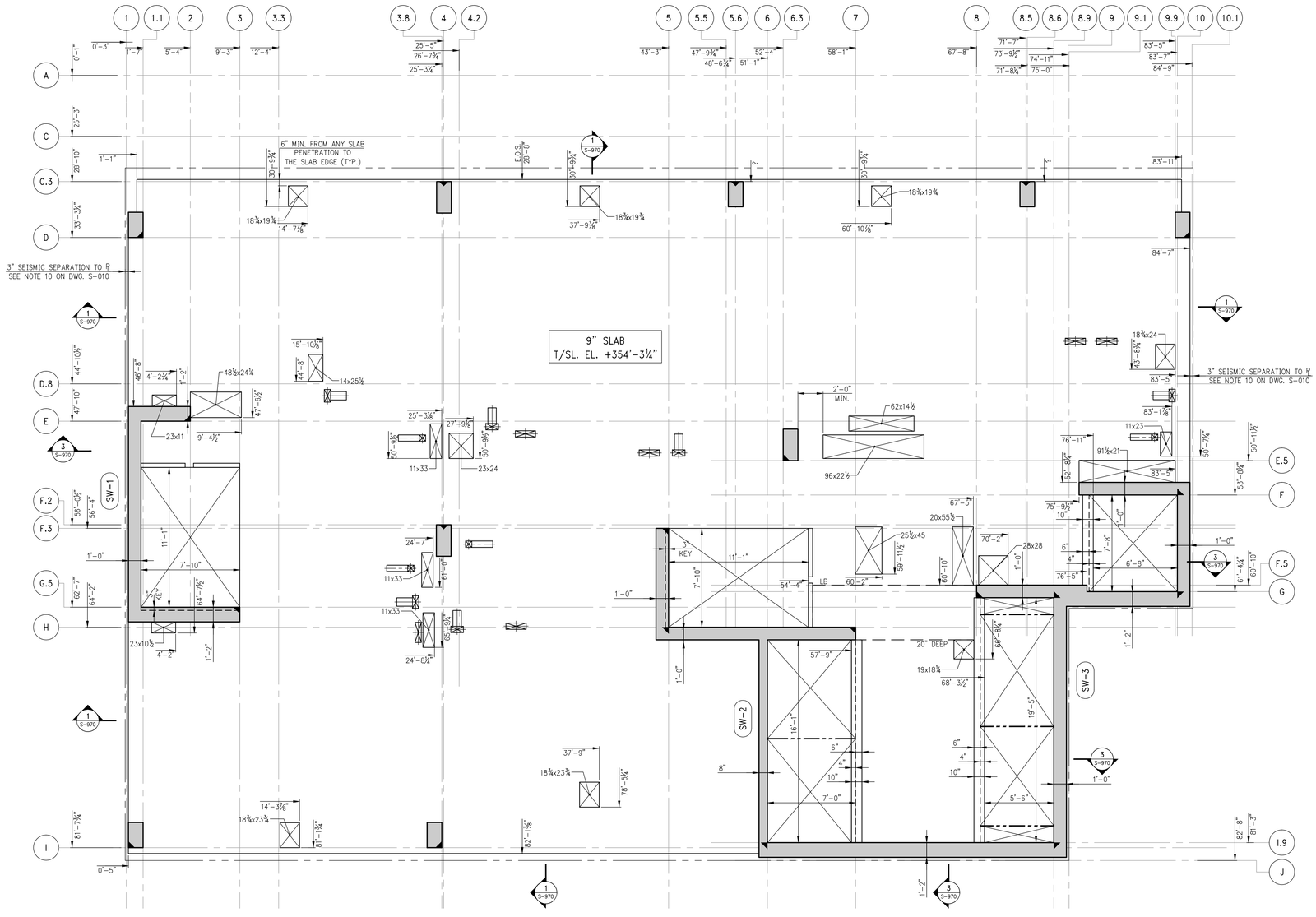
DWG. TITLE

34TH FLOOR FRAMING PLAN

DWG. NO.

S-340.00

NYC DOB Number



1 / S-349 **34TH FLOOR GENERAL ARRANGEMENT PLAN**

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 354'-3¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 9" THICK U.O.N. THUS [.....] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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ISSUE DATE	
SCALE	¼" = 1'-0"
DRAWN	
CHECKED	

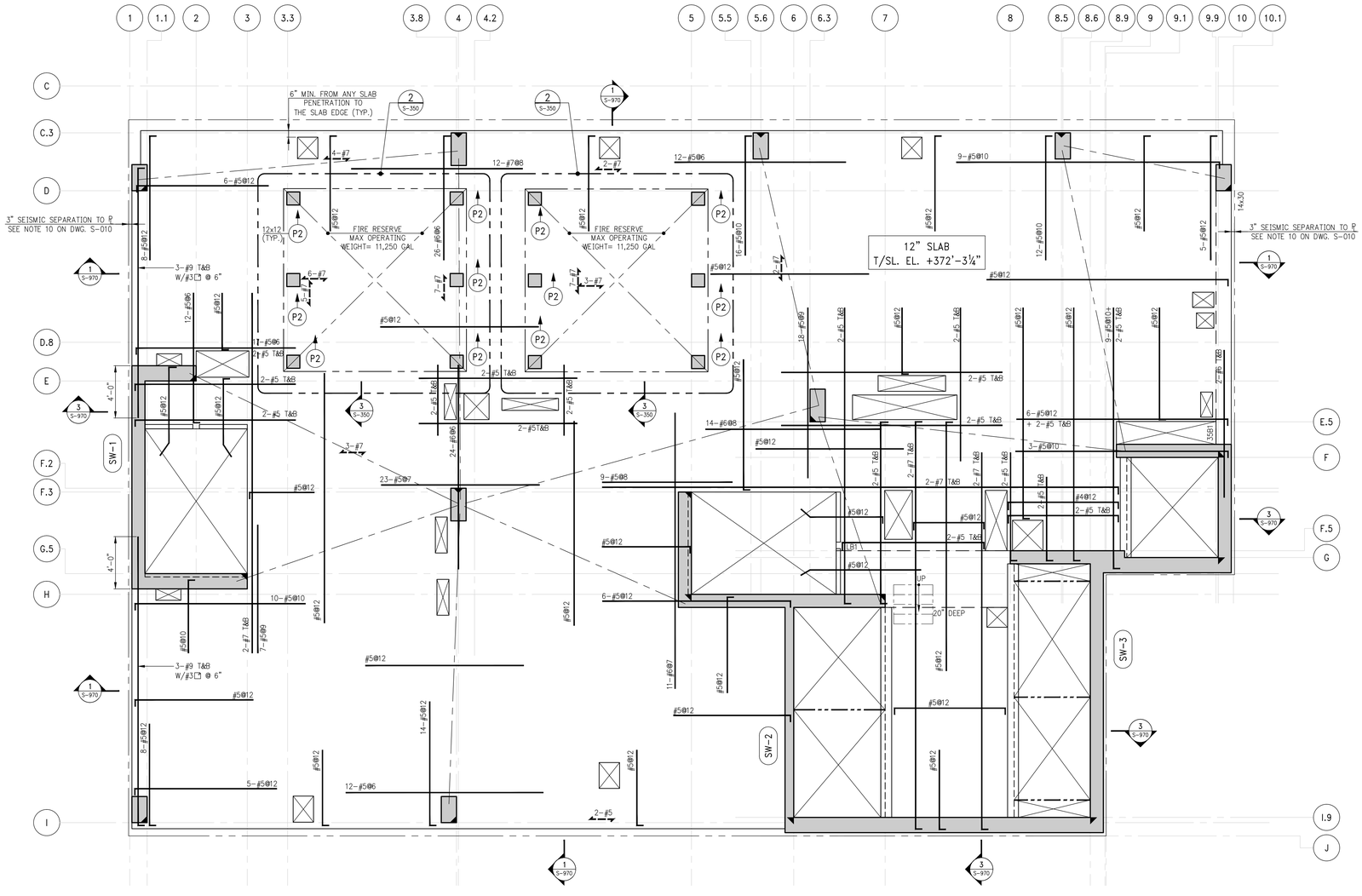
DWG. TITLE

34TH FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.

S-349.00

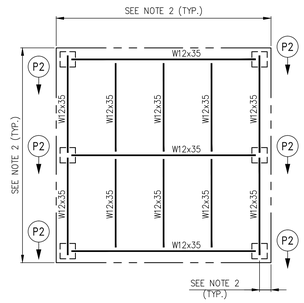
NYC DOB Number



1 S-350 MECHANICAL 35TH FLOOR FRAMING PLAN
SCALE: ¼" = 1'-0"

NOTES:

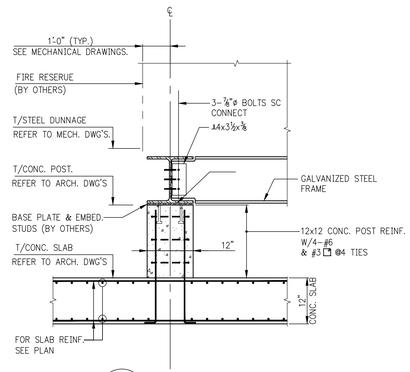
1. TOP OF SLAB ELEVATION TO BE 372'-3¼" U.O.N. THUS [.....] ON PLAN
2. SLAB TO BE 12" THICK U.O.N. THUS [.....] ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #5@12 CONT. E.W. FOR 12" SLAB U.O.N.
4. 12x12 CONC. POST REINF. W/4-#6 & #3 ☐@4 TIES
5. FOR BALANCE OF NOTES SEE DRAWING S-010.



2 S-350 FIRE RESERVE FRAMING PLAN
SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF STEEL DUNNAGE EL. SEE ARCH. & MECH. DWG.
2. FOR FIRE RESERVE OVERALL DIMENSION, BALANCE OF INFORMATION SEE ARCH. & MECH. DWG.
3. FIRE RESERVE MAX OPERATING WEIGHT= 11,250 GAL.



3 S-350 SECTION
SCALE: ¾"=1'-0"

BEAM SCHEDULE

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	
35B1	14	30	3-#11	3-#9		1	#4	@9	

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PROJ. NO. 1308890
ISSUE DATE
SCALE ¼" = 1'-0"
DRAWN
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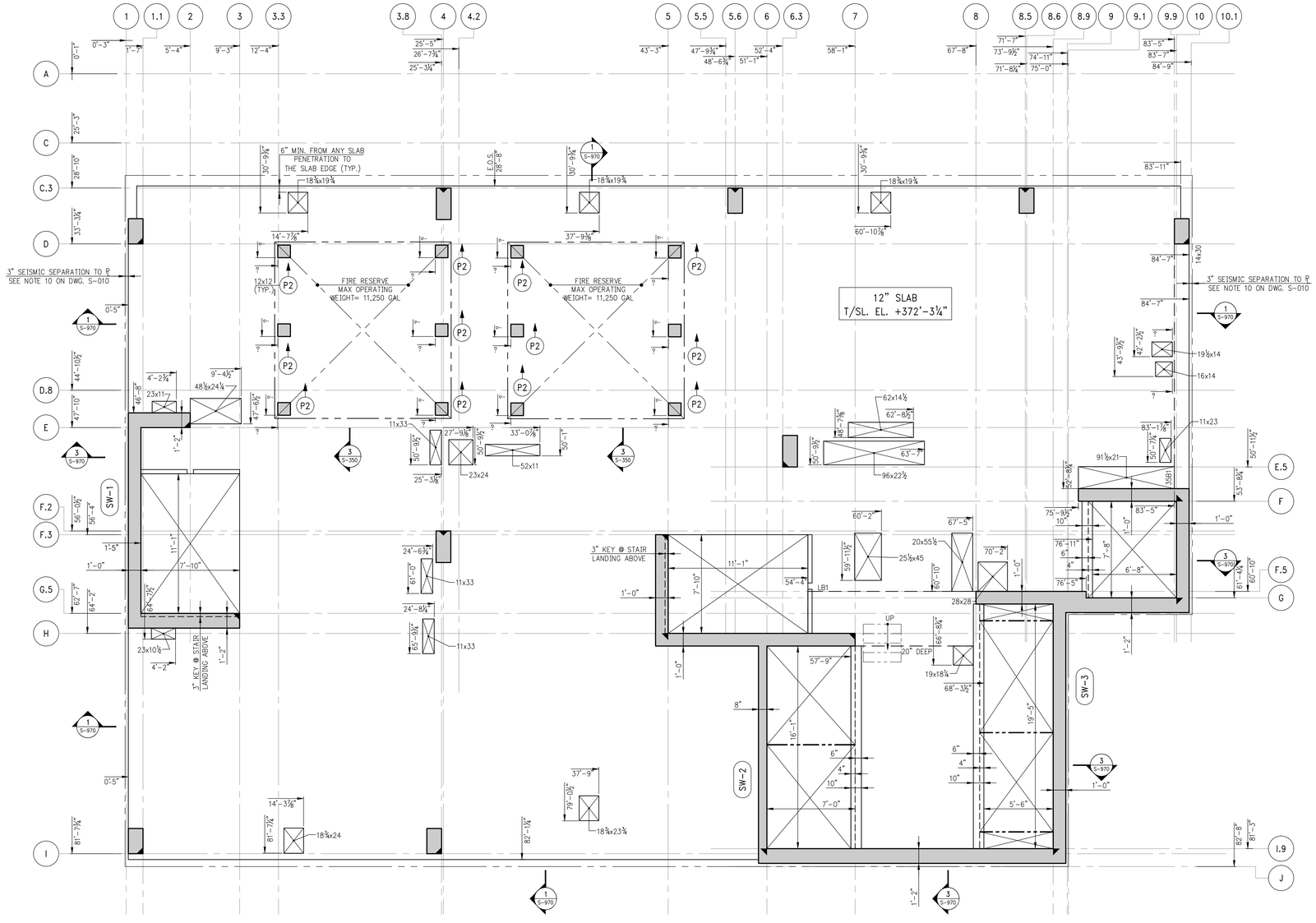
DWG. TITLE
MECHANICAL 35TH FLOOR FRAMING PLAN

DWG. NO.
S-350.00

NYC DOB Number



1 / S-354 MECHANICAL 35TH FLOOR GENERAL ARRANGEMENT PLAN

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 372'-3¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 12" THICK U.O.N. THUS [.....] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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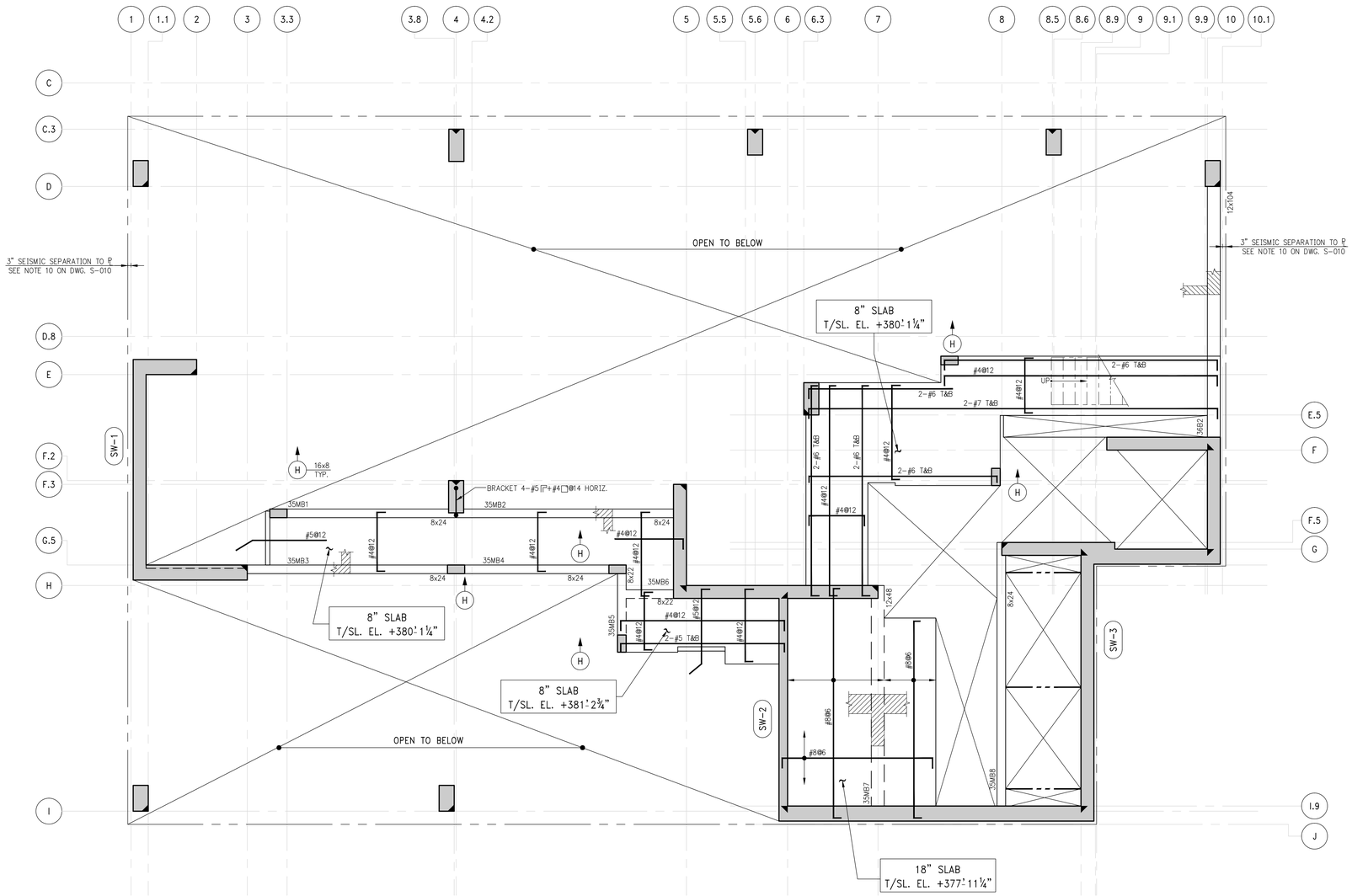
PROJ. NO.	1308890
ISSUE DATE	
SCALE	¼" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE
MECHANICAL 35TH FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.
S-354.00

NYC DOB Number



1 / S-355 STAIR TRANSFER AT 35TH FLOOR FRAMING PLAN

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE: 378'-11¼" U.O.N. THUS ON PLAN
2. SLAB TO BE 8" THICK U.O.N. THUS ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 8" SLAB U.O.N.
   BOTTOM REINFORCEMENT TO BE #8@6 E.W. FOR 18" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

BEAM SCHEDULE

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	REMARKS
35MB1	8	24	2-#10	2-#10		1	#3	@ 8"	UPTURNED
35MB2	8	24	2-#10	2-#10		1	#3	@ 8"	UPTURNED
35MB3	8	24	2-#10	2-#10		1	#3	@ 8"	UPTURNED
35MB4	8	24	2-#10	2-#10		1	#3	@ 8"	UPTURNED
35MB5	8	22	2-#10	2-#10		1	#3	@ 8"	
35MB6	8	22	2-#10	2-#10		1	#3	@ 8"	
35MB7	12	48	2-#11	2-#11		1	#3	@ 6"	
35MB8	8	24	2-#11	2-#11		1	#4	@ 8"	UPTURNED

TYPE 1

STIRRUP TYPES

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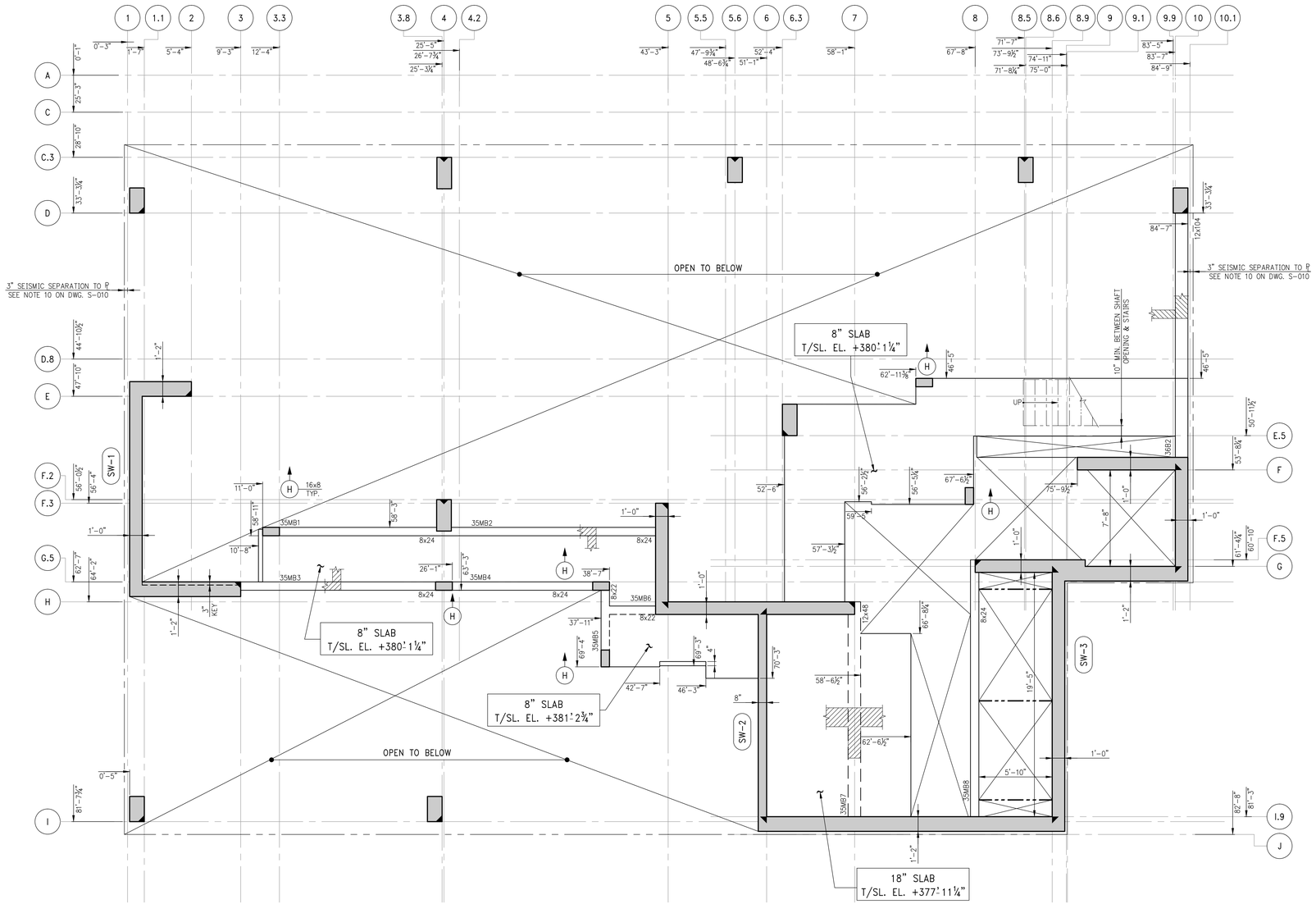
PROJ. NO. 1308890
ISSUE DATE
SCALE ¼" = 1'-0"
DRAWN
CHECKED

DWG. TITLE
STAIR TRANSFER AT 35TH FLOOR FRAMING PLAN

DWG. NO.
S-355.00

NYC DOB Number



1 / S-359 STAIR TRANSFER AT 35TH FLOOR GENERAL ARRANGEMENT PLAN

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE: 378'-11¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 8" THICK U.O.N. THUS [.....] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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New York, NY 10020

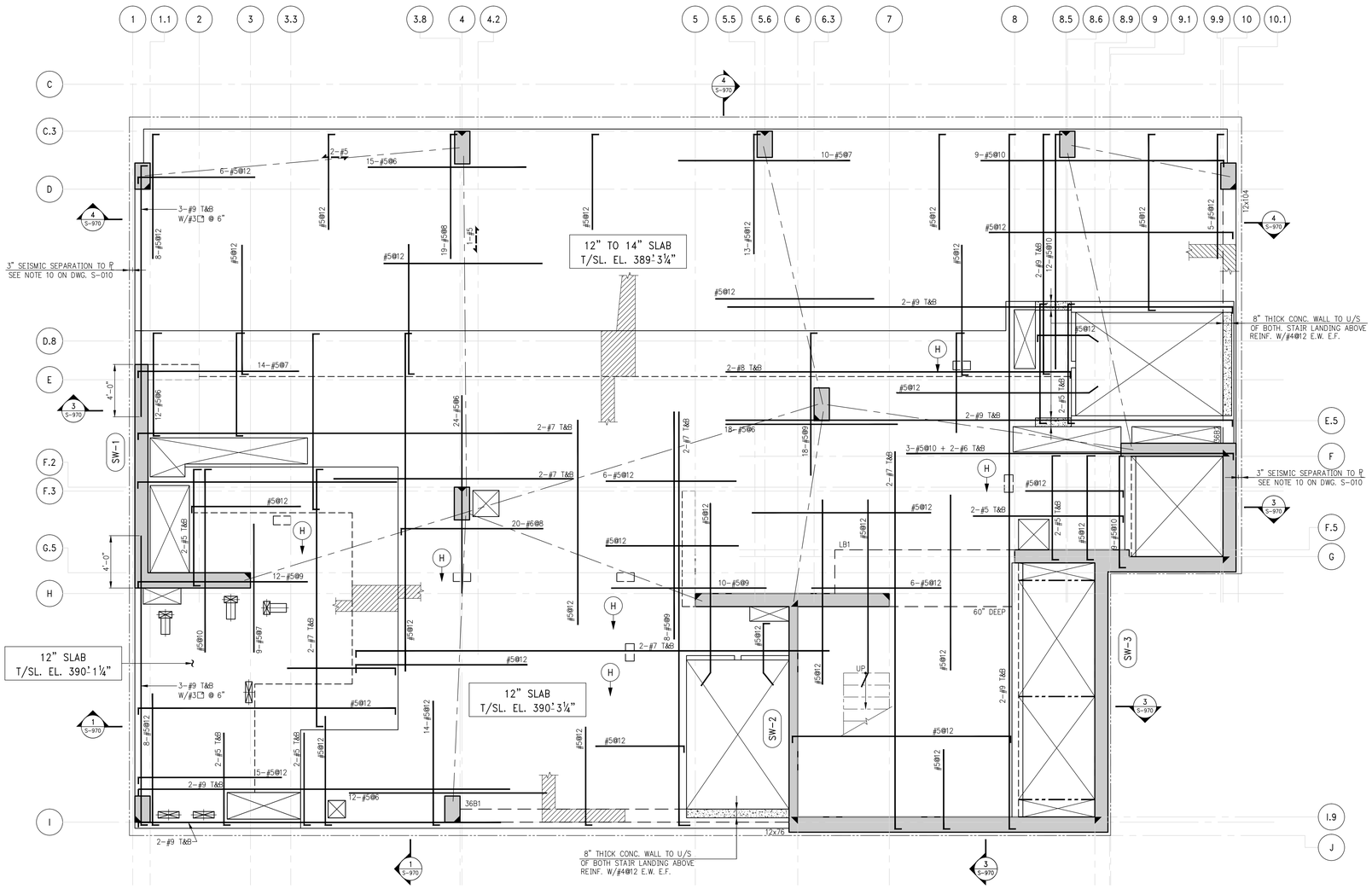
PROJ. NO.	1308890
ISSUE DATE	
SCALE	¼" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE

STAIR TRANSFER AT 35TH FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.
S-359.00

NYC DOB Number



1 / S-360 **36TH FLOOR FRAMING PLAN**

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE: 390'-3¼" U.O.N. THUS ON PLAN
2. SLAB TO BE 12" THICK U.O.N. THUS ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #5@12 CONT. E.W. FOR 12" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

BEAM SCHEDULE

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	
36B1	12	76	4-#11 (2 LAYERS)	3-#9		1	#4	@ 9"	
36B2	12	104	3-#11 (2 LAYERS)	3-#11		1	#4	@ 9"	

TYPE 1

STIRRUP TYPES

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ISSUE DATE
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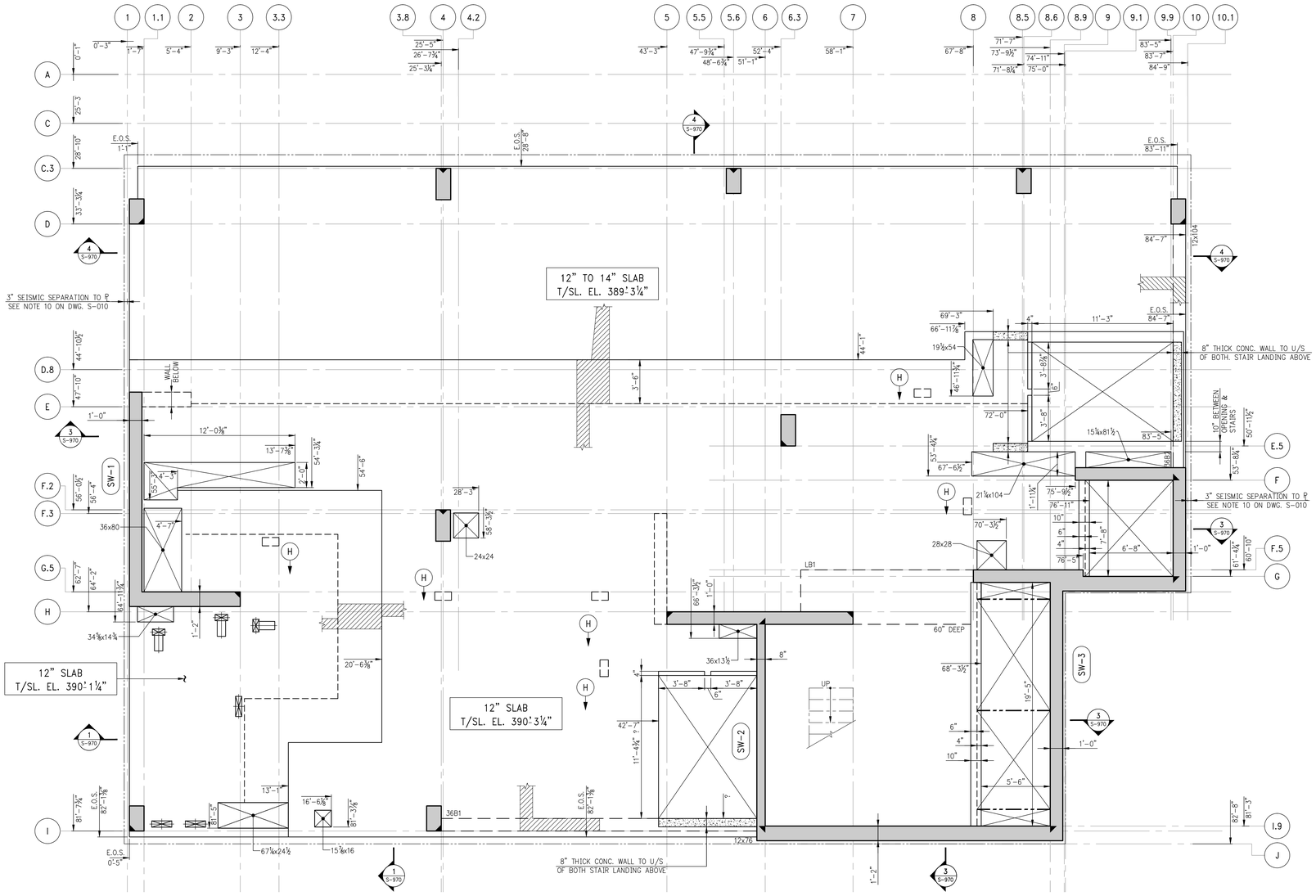
DWG. TITLE
36TH FLOOR FRAMING PLAN

DWG. NO.
S-360.00

NYC DOB Number



1 / S-364 **36TH FLOOR GENERAL ARRANGEMENT PLAN**

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE: 390'-3¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 12" THICK U.O.N. THUS [.....] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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SCALE	¼" = 1'-0"
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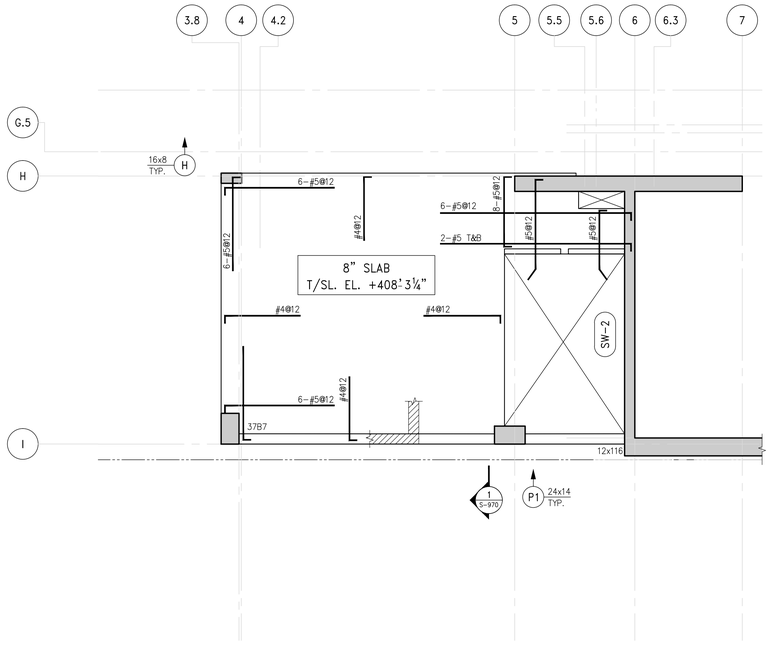
DWG. TITLE

36TH FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.
S-364.00

NYC DOB Number



1 / S-365 STAIR TRANSFER AT 36TH FLOOR FRAMING PLAN

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE: 408'-3¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 8" THICK U.O.N. THUS [.....] ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 8" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

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SCALE	¼" = 1'-0"
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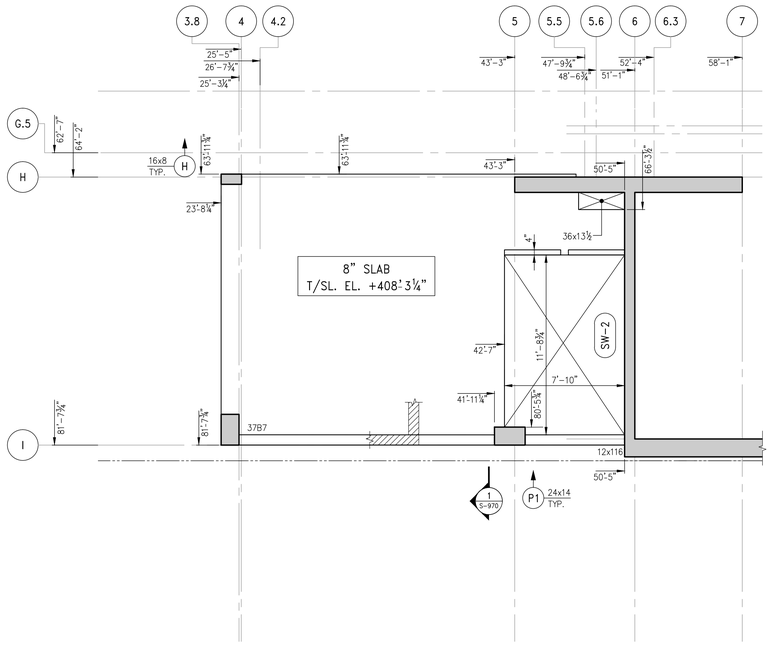
DWG. TITLE

STAIR TRANSFER AT 36TH FLOOR FRAMING PLAN

DWG. NO.

S-365.00

NYC DOB Number



1
S-369

STAIR TRANSFER AT 36TH FLOOR GENERAL ARRANGEMENT PLAN

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE: 408'-3¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 8" THICK U.O.N. THUS [.....] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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31 West 27th Street
New York, NY 10001

Elevator Consultant
Jenkins & Huntington Elevator Consultating
1251 Avenue of the Americas
New York, NY 10020

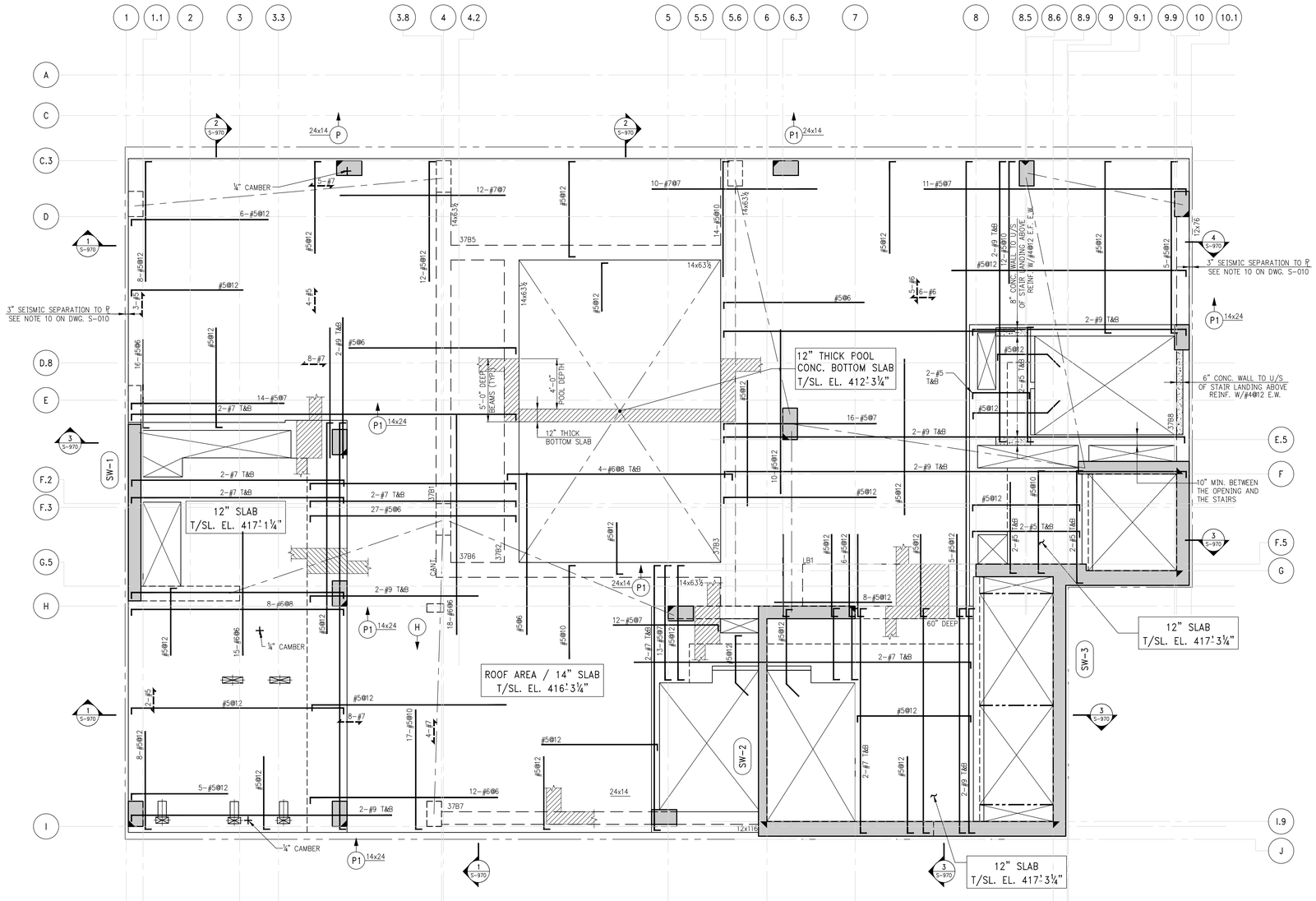
PROJ. NO.	1308890
ISSUE DATE	
SCALE	¼" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE

STAIR TRANSFER AT 36TH FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.
S-369.00

NYC DOB Number



37TH FLOOR FRAMING PLAN

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE +417'-3¼" U.O.N. THUS [.....] ON PLAN
2. SLAB TO BE 14" THICK U.O.N. THUS [.....] ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #5@12 CONT. E.W. FOR 14" SLAB U.O.N.
4. CONCRETE SLAB HAS BEEN DESIGNED WITH PROVISIONS TO RETAIN 3" OF WATER (LL=250psi), AS PART OF THE WATER DETENTION REQUIREMENTS OF THE BUILDING.
5. FOR BALANCE OF NOTES SEE DRAWING S-010.

BEAM SCHEDULE

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	REMARKS
37B1	14	63½	12-#11	4-#11		1	#5	@ 6"	SKIN REINF. #5@10 HORIZ. E.F.
37B2	14	63½	12-#11	4-#11		1	#5	@ 6"	SKIN REINF. #5@10 HORIZ. E.F.
37B3	14	63½	12-#11	4-#11		1	#5	@ 6"	SKIN REINF. #5@10 HORIZ. E.F.
37B4	14	63½	12-#11	4-#11		1	#5	@ 6"	SKIN REINF. #5@10 HORIZ. E.F.
37B5	14	63½	12-#11	4-#11		1	#5	@ 6"	SKIN REINF. #5@10 HORIZ. E.F.
37B6	14	63½	12-#11	4-#11		1	#5	@ 6"	SKIN REINF. #5@10 HORIZ. E.F.
37B7	12	116	3-#11	3-#11		1	#4	@ 8"	SKIN REINF. #5@10 HORIZ. E.F.
37B8	12	76	3-#11	3-#11		1	#4	@ 8"	SKIN REINF. #5@10 HORIZ. E.F.

TYPE 1

STIRRUP TYPES

N.T.S.

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REV.	DATE	DESCRIPTION
	01.19.15	100% CD ISSUE
	11.07.14	75% CD ISSUE
	08.15.14	50% CD ISSUE
	06.27.14	100% DD ISSUE
	04.04.14	100% SD

112 W 25TH ST HOTEL

112 West 25th Street
New York, New York 10001

Owner / Developer:
Lam Group
202 Centre Street, 6th Floor
New York, New York 10013

Structural Engineer
WSP
228 East 45th Street, 3rd Floor
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MEP Engineer
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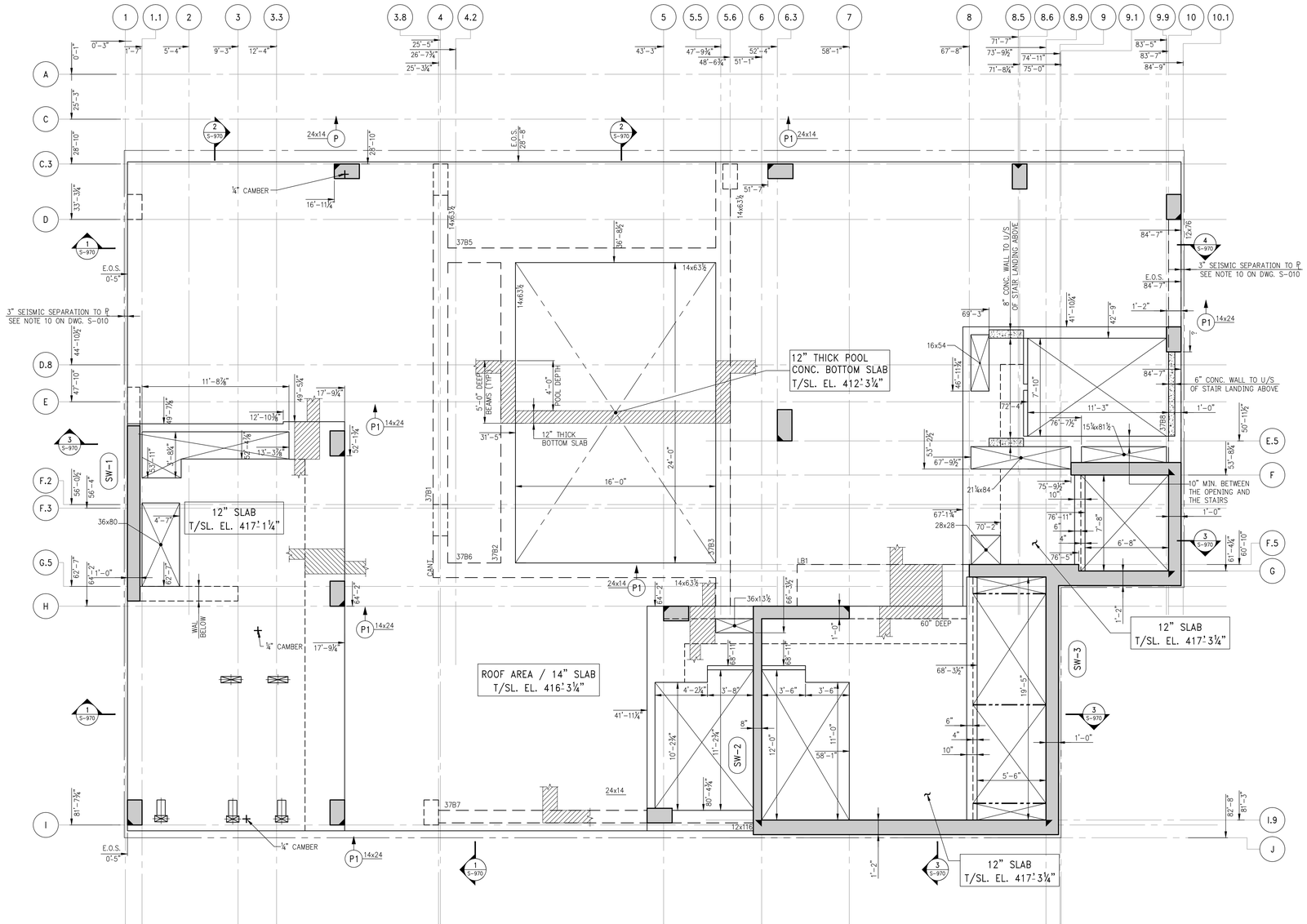
DWG. TITLE
37TH FLOOR FRAMING PLAN

DWG. NO.
S-370.00

NYC DOB Number



1 / S-379 37TH FLOOR GENERAL ARRANGEMENT PLAN

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE +417'-3¼" U.O.N. THUS ON PLAN.
2. SLAB TO BE 14" THICK U.O.N. THUS ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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	11.07.14	75% CD ISSUE

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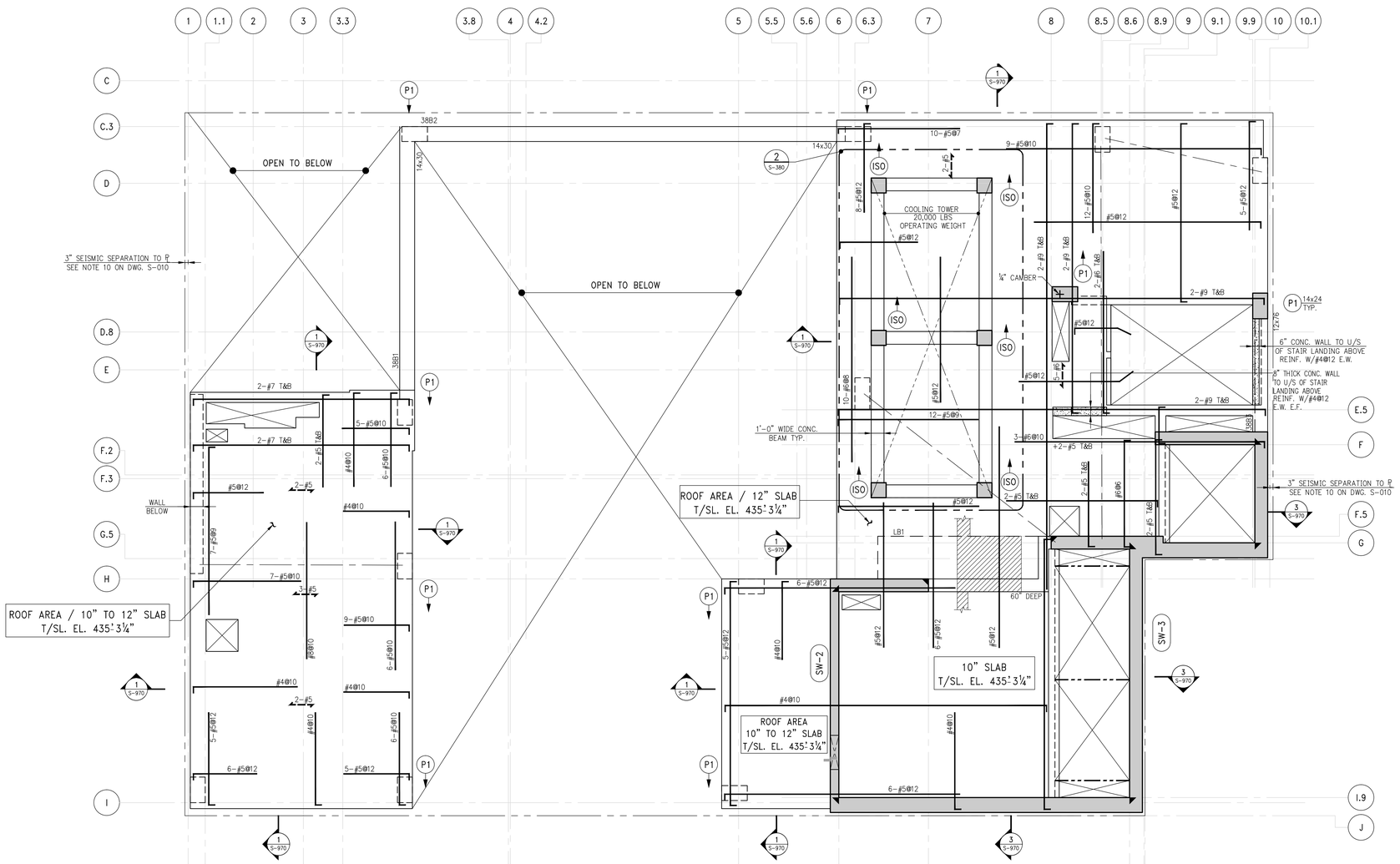
PROJ. NO.	1308890
ISSUE DATE	
SCALE	¼" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE

37TH FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.
S-379.00

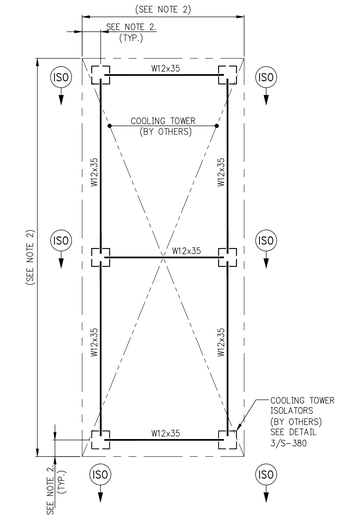
NYC DOB Number



1 S-380 MAIN ROOF FRAMING PLAN
SCALE: ¼" = 1'-0"

NOTES:

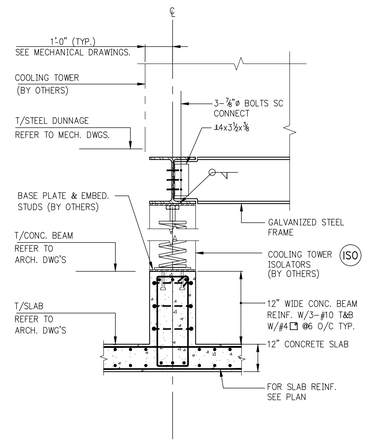
1. TOP OF STEEL DUNNAGE ELEVATION TO BE 435'-3¼" U.O.N. THUS [.....] ON PLAN
2. SLAB TO BE 10" THICK U.O.N. THUS [.....] ON PLAN.
3. BOTTOM REINFORCEMENT TO BE: #4@10 CONT. E.W. FOR 10" SLAB U.O.N.; #5@12 CONT. E.W. FOR 12" SLAB U.O.N.
4. INDICATES COOLING TOWER ISOLATORS TO THE U/S OF STEEL DUNNAGE (BY OTHERS) LOCATION OF ISOLATORS T.B.D.
5. FOR BALANCE OF NOTES SEE DRAWING S-010.



2 S-380 COOLING TOWER FRAMING PLAN
SCALE: ¼" = 1'-0"

NOTES:

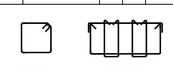
1. TOP OF STEEL DUNNAGE ELEVATION SEE ARCH. & MECH. DWG'S
2. FOR COOLING TOWERS OVERALL DIMENSIONS, BALANCE OF INFO. AND LOCATION OF ISOLATORS SEE ARCH. & MECH. DWGS.
3. COOLING TOWER MAXIMUM OPERATING WEIGHT = 20,000 LBS (EACH UNIT)



3 S-380 DETAIL
SCALE: N.T.S.

BEAM SCHEDULE

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	
38B1	14	30	3-#11	3-#11		1	#4	@ 8"	
38B2	14	30	3-#11	3-#11		1	#4	@ 8"	
38B3	12	76	3-#11 (2 LAYER)	3-#11		1	#4	@ 8"	



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	08.15.14	50% CD ISSUE
	06.27.14	100% DD ISSUE
	04.04.14	100% SD

112 W 25TH ST HOTEL

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Interior Designer
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Elevator Consultant
Jenkins & Huntington Elevator Consultating
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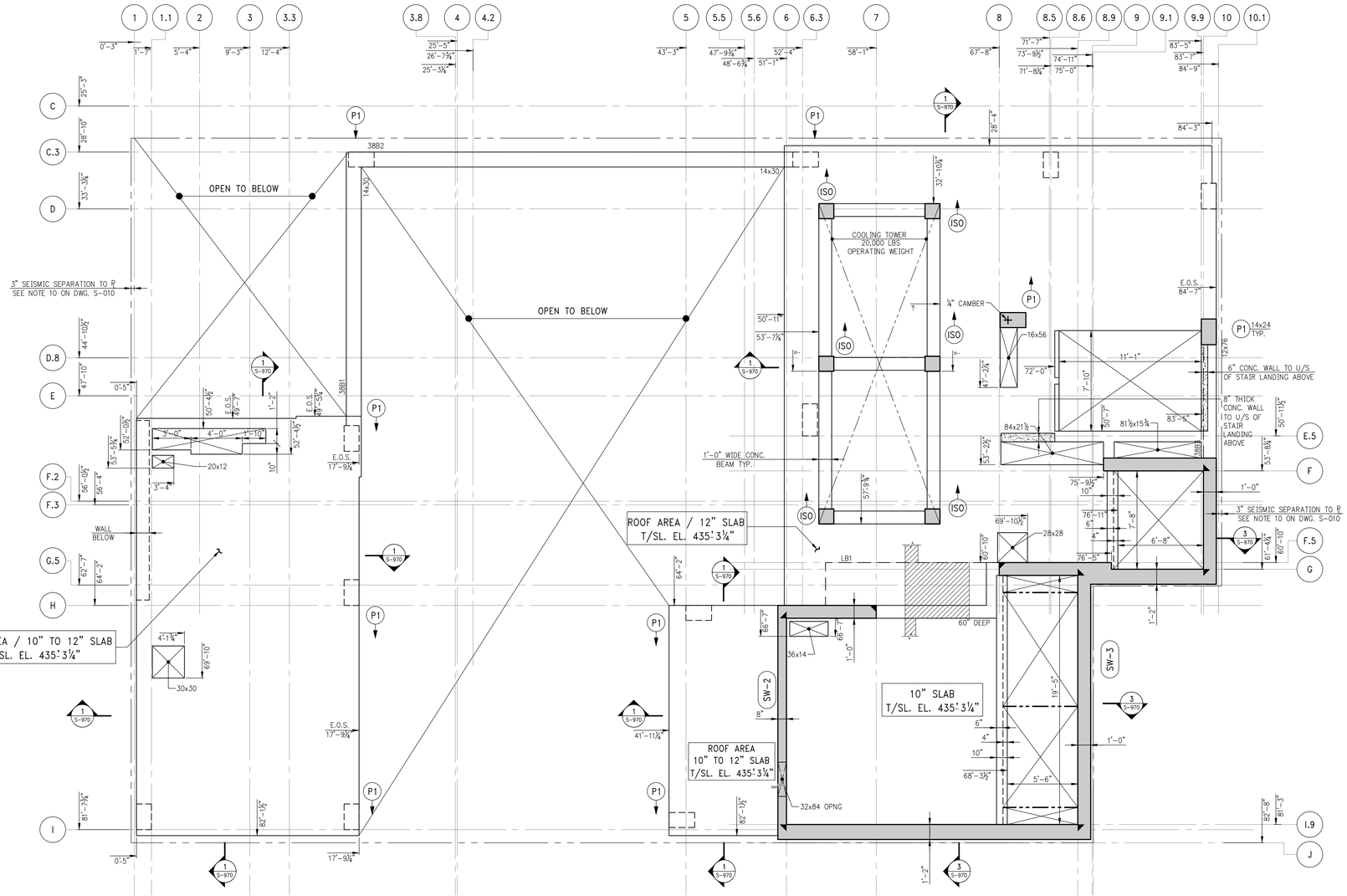
PROJ. NO.	1308890
ISSUE DATE	
SCALE	¼" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE
MAIN ROOF FRAMING PLAN

DWG. NO.
S-380.00

NYC DOB Number



1 / S-389 MAIN ROOF GENERAL ARRANGEMENT PLAN

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 435'-3¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 10" THICK U.O.N. THUS [.....] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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	11.07.14	75% CD ISSUE

112 W 25TH ST HOTEL

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New York, NY 10020

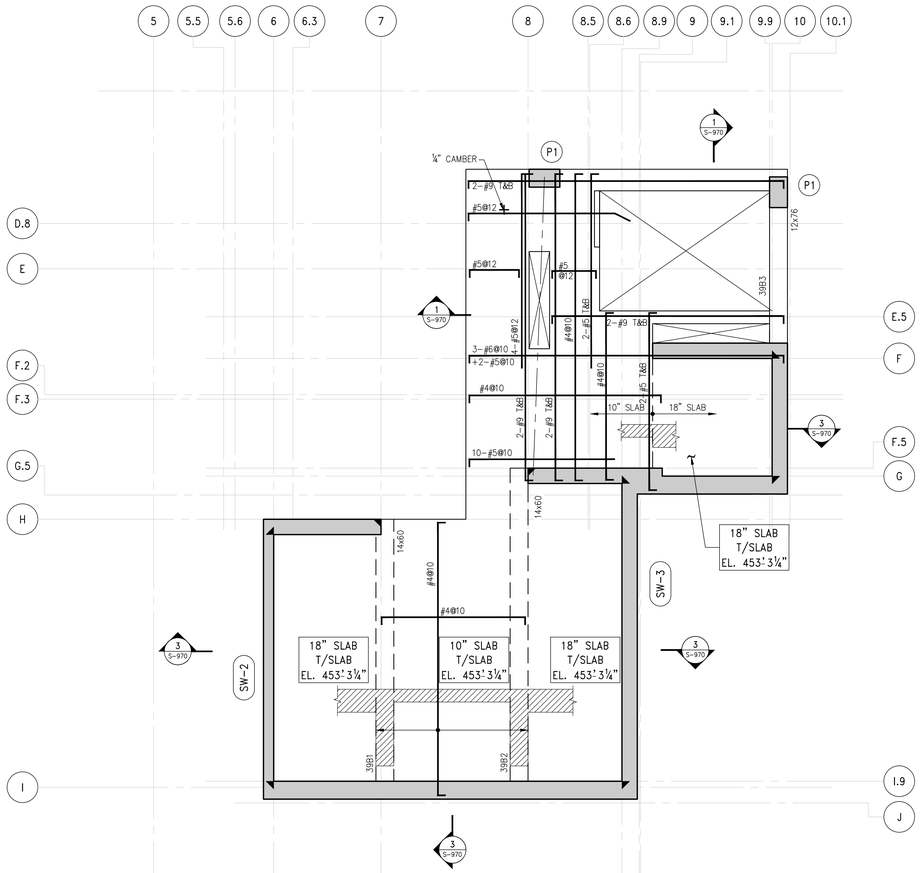
PROJ. NO.	1308890
ISSUE DATE	
SCALE	¼" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE

MAIN ROOF GENERAL ARRANGEMENT PLAN

DWG. NO.
S-389.00

NYC DOB Number

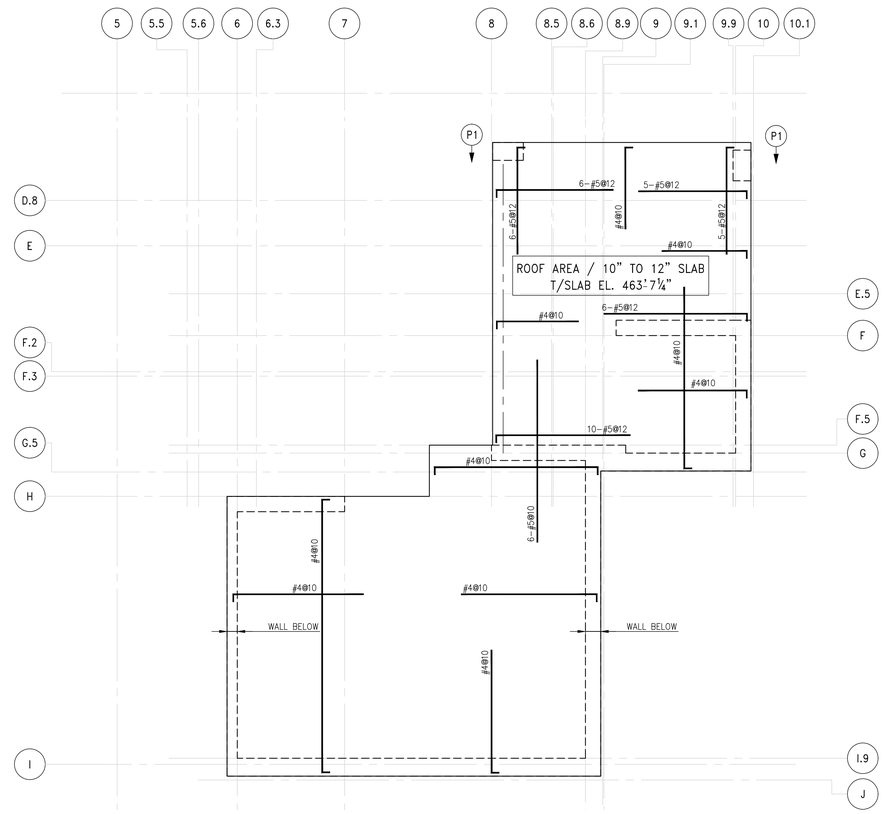


1 S-390 E.M.R. FLOOR FRAMING PLAN

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 453'-3¼" U.O.N. THUS [.....] ON PLAN
2. SLAB TO BE 10" THICK U.O.N. THUS [.....] ON PLAN.
3. BOTTOM REINFORCEMENT TO BE: #4@10 CONT. E.W. FOR 10" SLAB U.O.N.
   #5@6 CONT. T&B E.W. FOR 18" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.



2 S-390 E.M.R. ROOF FRAMING PLAN

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 463'-7¼", U.O.N. THUS [.....] ON PLAN
2. SLAB TO BE 10" THICK U.O.N. THUS [.....] ON PLAN.
3. BOTTOM REINFORCEMENT TO BE: #4@10 CONT. E.W. FOR 10" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

BEAM SCHEDULE

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	REMARKS
39B1	14	60	4-#11 (2 LAYERS)	4-#11 (2 LAYERS)		1	#4	@ 8"	
39B2	14	60	4-#11 (2 LAYERS)	4-#11 (2 LAYERS)		1	#4	@ 8"	
39B3	12	60	3-#11 (2 LAYERS)	3-#11 (2 LAYERS)		1	#4	@ 8"	

TYPE 1

STIRRUP TYPES

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	08.15.14	50% CD ISSUE
	06.27.14	100% DD ISSUE

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Elevator Consultant
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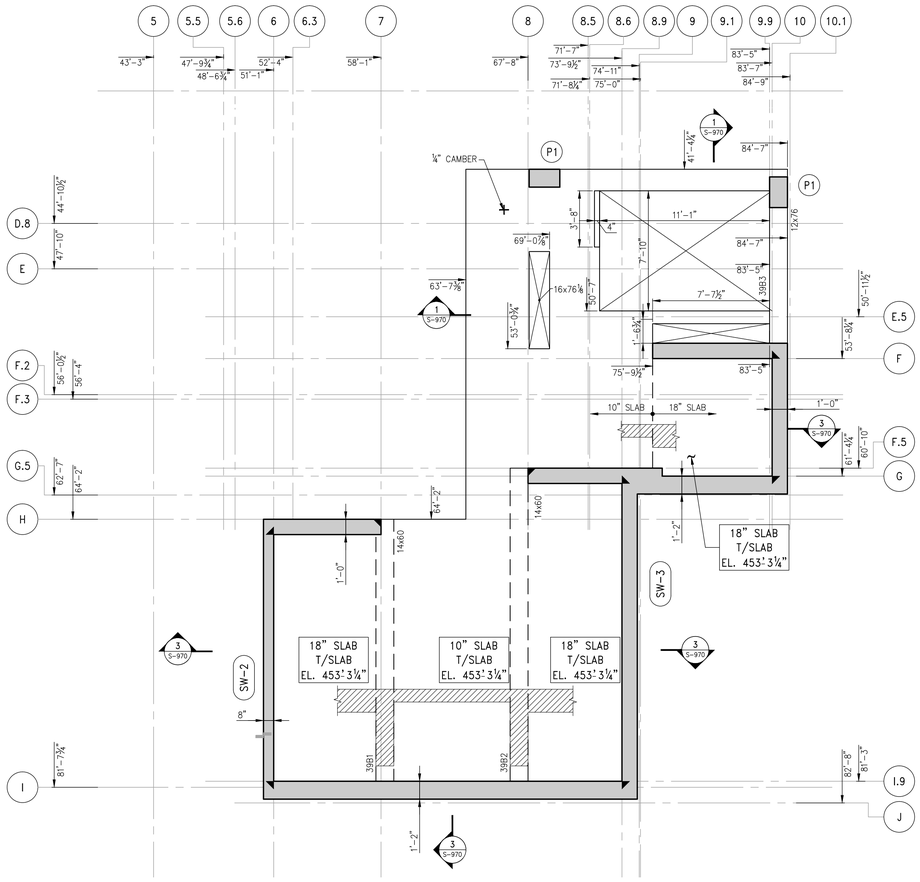
1251 Avenue of the Americas
New York, NY 10020

PROJ. NO. 1308890
ISSUE DATE
SCALE ¼" = 1'-0"
DRAWN
CHECKED

DWG. TITLE
E.M.R. FLOOR & ROOF FRAMING PLANS

DWG. NO.
S-390.00

NYC DOB Number

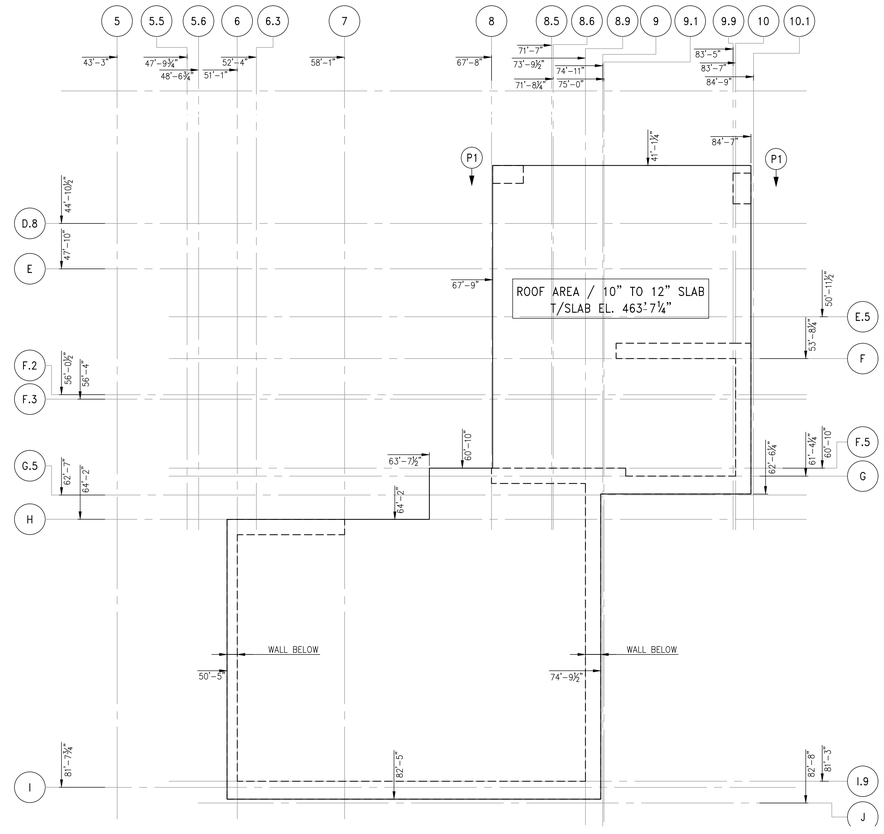


1 / S-399 E.M.R. FLOOR GENERAL ARRANGEMENT PLAN

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 453'-3¼" U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 10" THICK U.O.N. THUS [.....] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.



2 / S-399 E.M.R. ROOF GENERAL ARRANGEMENT PLAN

SCALE: ¼" = 1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 463'-7¼", U.O.N. THUS [.....] ON PLAN.
2. SLAB TO BE 10" THICK U.O.N. THUS [.....] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

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	01.19.15	100% CD ISSUE
	11.07.14	75% CD ISSUE

112 W 25TH ST HOTEL

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PROJ. NO.	1308890
ISSUE DATE	
SCALE	¼" = 1'-0"
DRAWN	
CHECKED	

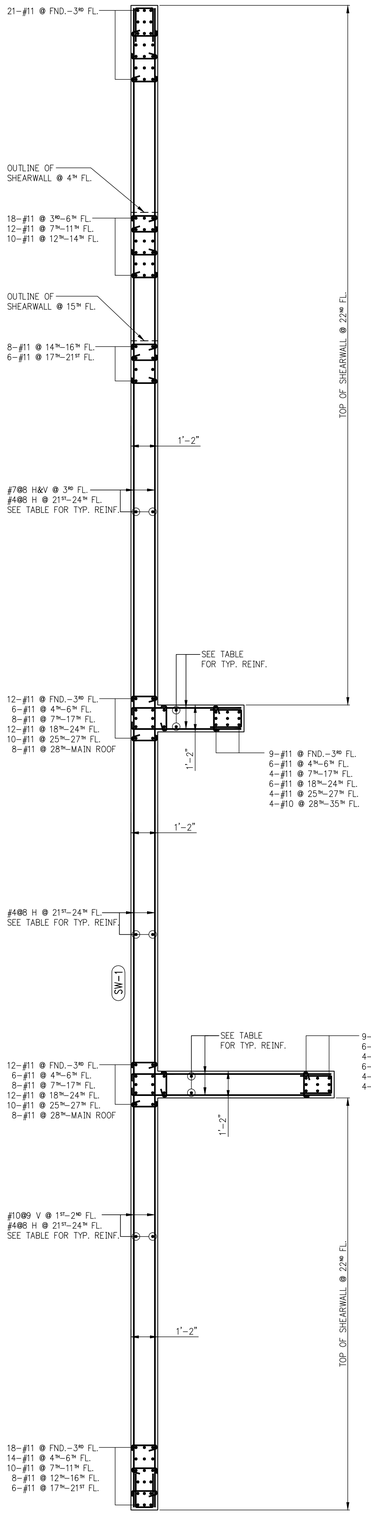
DWG. TITLE

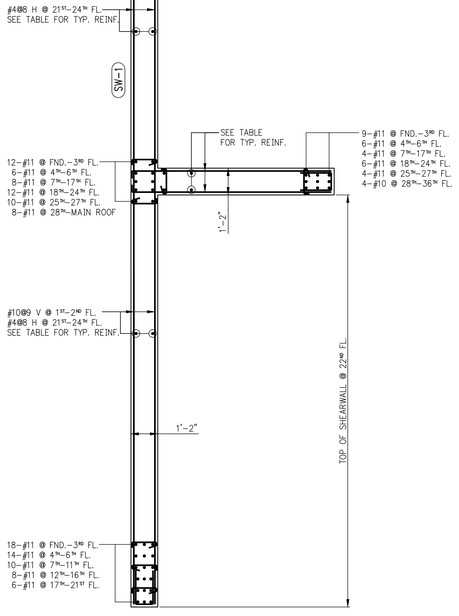
E.M.R. FLOOR & ROOF GENERAL ARRANGEMENT PLANS

DWG. NO.

S-399.00

NYC DOB Number



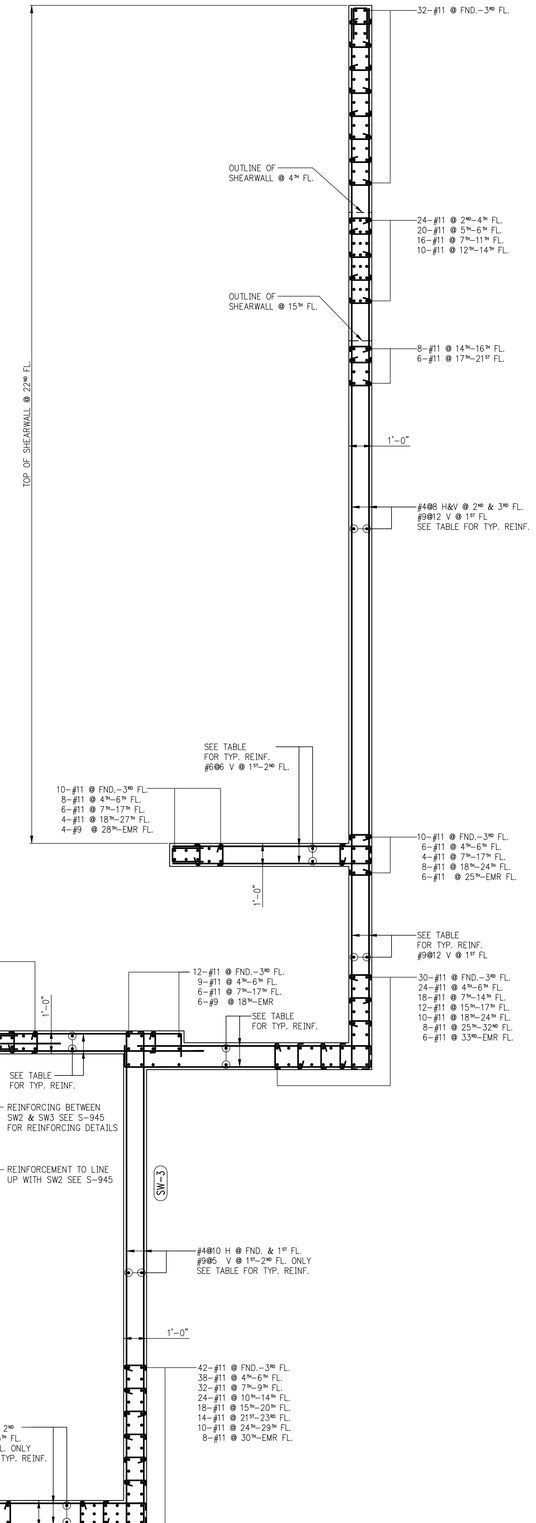


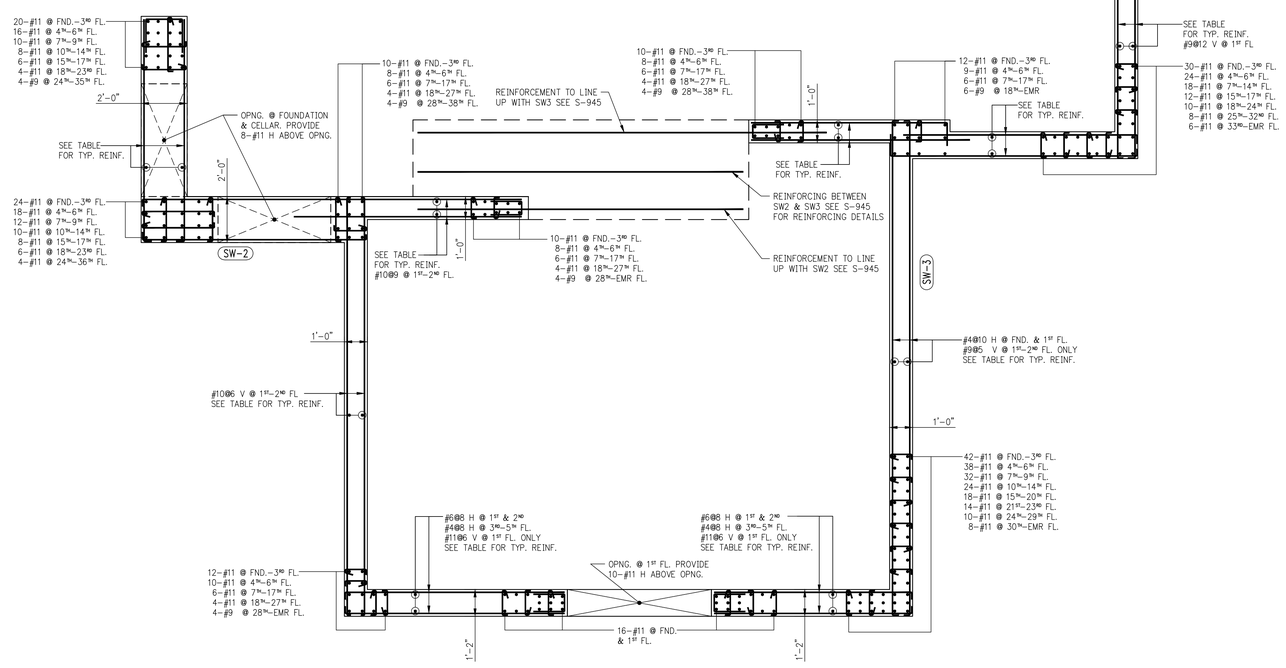
LINK BEAM SCHEDULE

MARK	FLOOR	SIZE (IN.)	T&BREINFORCING (CONT.) LINE WITH SW2	T&B REINFORCING (CONT.) BETWEEN SW2 & 3	T&B REINFORCING (CONT.) LINE WITH SW3	STIRRUP			LONGITUDINAL SKIN REINF.	REMARKS
						SIZE	TYPE	SPACING		
LB1	CELLAR-1	52 x 36	2-#9	3-#6	2-#9	# 4	3	12" O/C		
	2	52 x 24/60	4-#11	3-#6	4-#11	# 4	3	12" O/C	#4@ 8" @ E. F.	2 Layers In Wall
	3	52 x 60	4-#11	3-#6	4-#11	# 4	3	12" O/C	#4@ 8" @ E. F.	2 Layers In Wall
	4	52 x 60	6-#11	3-#6	6-#11	# 4	3	12" O/C	#4@ 8" @ E. F.	2 Layers In Wall
	5	52 x 24/60	6-#11	3-#6	6-#11	# 4	3	12" O/C		
	6 – 12	52 x 20	2-#9	3-#6	2-#9	# 4	3	8" O/C		
	13 – 14	52 x 20	2-#10	3-#6	2-#10	# 4	3	8" O/C		
	15	52 x 24/60	8-#11	3-#6	8-#11	# 4	3	6" O/C	#4@ 8" @ E. F.	4 Layers In Wall
	16 – 20	52 x 20	2-#10	3-#6	2-#10	# 4	3	8" O/C		
	21 – 31	52 x 20	2-#11	3-#6	2-#11	# 4	3	8" O/C		
	32 – 35	52 x 20	4-#11	3-#6	4-#11	# 4	3	6" O/C		2 Layers In Wall
	36	52 x 60	8-#11	3-#6	8-#11	# 4	3	6" O/C	#4@ 8" @ E. F.	4 Layers In Wall
	37-MAIN ROOF	52 x 60	6-#11	3-#6	6-#11	# 4	3	8" O/C	#4@ 8" @ E. F.	3 Layers In Wall
	EMR	52 x 60	4-#11	3-#6	4-#11	# 4	3	8" O/C	#4@ 8" @ E. F.	2 Layers In Wall

TYPE 3

STIRRUP TYPES
N.T.S.





1 / S-940 SHEARWALL REINFORCEMENT PLAN
SCALE: 3/8"=1'-0"

NOTE:
1. FOR OPENING LOCATIONS & SIZES SEE CORRESPONDING FLOOR PLAN.
2. SEE S-945 FOR TABLES & SCHEDULE.

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REV.	DATE	DESCRIPTION
	03.27.15	REVISED FOUNDATION BID SET
	01.19.15	100% CD ISSUE
	11.07.14	75% CD ISSUE
	08.15.14	50% CD ISSUE
	06.27.14	100% DD ISSUE

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PROJ. NO.	1308890
ISSUE DATE	
SCALE	3/8"=1'-0"
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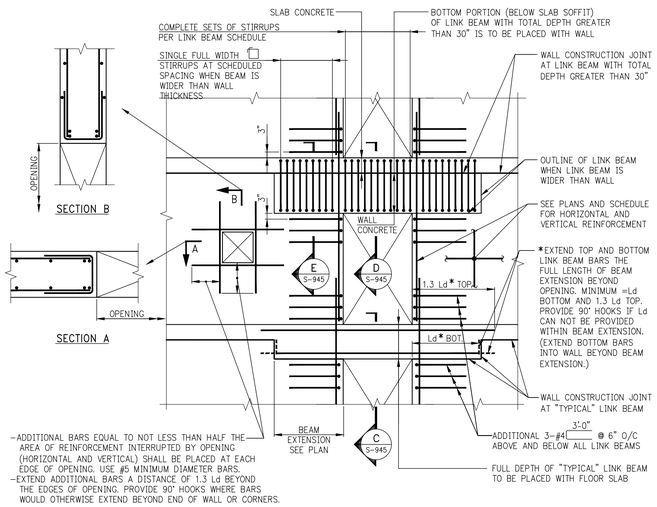
DWG. TITLE
SHEARWALL REINFORCEMENT PLAN AND LINK BEAM SCHEDULE

DWG. NO.
S-940.00

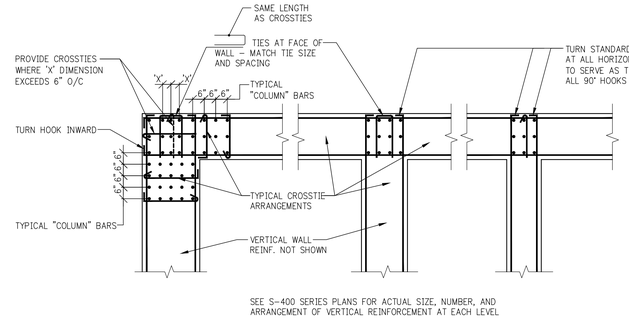
NYC DOB Number



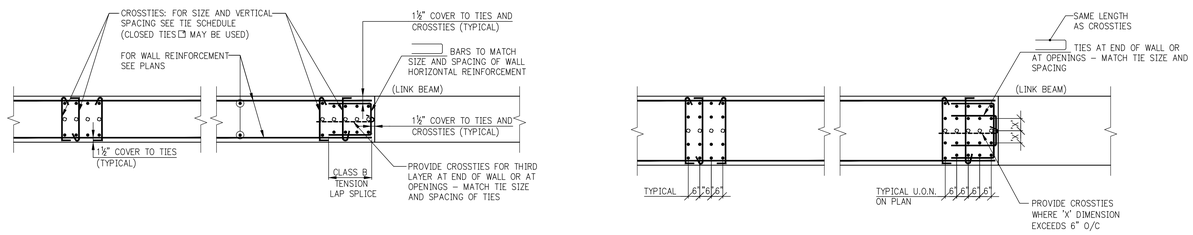
TYPICAL REINFORCEMENT AT LINK BEAMS AND AROUND SHEARWALL OPENINGS

SHEARWALL NOTES:

1. ALL SHEARWALL REINFORCEMENT (HORIZONTAL AND VERTICAL) IS TO BE TENSION LAP SPLICED. SEE LAP SPLICE IN S-600 SERIES DRAWINGS.
2. ALL NON-TYPICAL VERTICAL BARS UNSUPPORTED BY A LATERAL TIE SHALL BE SPACED NO MORE THAN 6" CLEAR ON BOTH SIDES FROM SUCH LATERALLY SUPPORTED BARS.
3. ALTERNATE 90° AND 135° ENDS ON CONSECUTIVE SINGLE LEG CROSSTIES THROUGHOUT HEIGHT OF WALL.
4. FOR MINIMUM TYPICAL REINFORCEMENT SEE SCHEDULE ON THIS DRAWING.
5. WHERE HEAVIER REINFORCEMENT IS SHOWN ON S-940 SERIES ELEVATIONS OR DETAILS, THE HEAVIER REINFORCEMENT SHAL BE USED IN LIEU OF REINFORCEMENT SHOWN ON SHEARWALL PLANS, UNLESS NOTED AS "ADDITIONAL". (AN ASTERISK (*) MAY BE SHOWN TO DENOTE SUCH SUBSTITUTIONS).
6. NO OPENING OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS MAY BE PLACED WITHOUT APPROVAL OF THE ENGINEER OF RECORD.
7. CONTRACTOR SHALL SUBMIT CONSOLIDATED SHOP DRAWINGS FOR ALL OPENINGS PROPOSED (SUCH AS STRUCTURAL, ARCHITECTURAL, MEP) TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL.
8. NO VERTICAL CONSTRUCTION JOINTS ARE PERMITTED IN SHEARWALLS WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER OF RECORD. KEYS AND DOWELS MUST BE AS DEFINED BY THE E.O.R.
9. SEE PLANS AND ELEVATIONS FOR SHEARWALL LOCATIONS, DIMENSIONS, REINFORCEMENT, OPENINGS, LINK BEAM LOCATIONS, ETC.
10. FOR MINIMUM REQUIRED MODULUS OF ELASTICITY OF CONCRETE, SEE SCHEDULE ON THIS DRAWING.

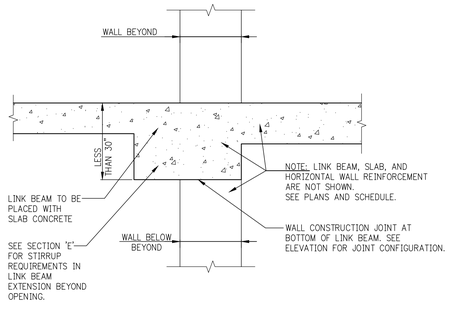


CORNER 'T' INTERSECTIONS

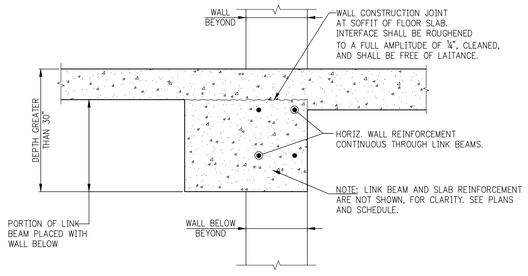


TWO OR THREE LAYERS FOUR OR MORE LAYERS

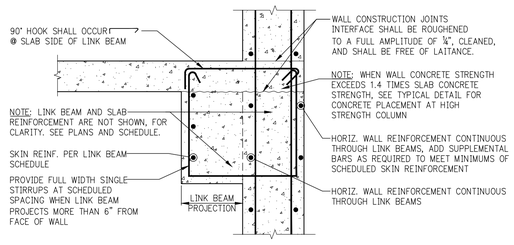
TIE ARRANGEMENTS AT "COLUMN" VERTICAL REINFORCEMENT



C S-945 SECTION THROUGH LINK BEAM PLACED WITH SLAB



D S-945 SECTION THROUGH LINK BEAM WITH DEPTH >30" PLACED PARTIALLY WITH WALL



E S-945 SECTION THROUGH WALL AT LINK BEAM EXTENSION BEYOND OPENING

***TYPICAL MINIMUM SHEARWALL REINFORCEMENT**

WALL THICKNESS (INCHES)	HORIZONTAL AND VERTICAL EACH FACE
UP TO 12	#4@12
12+ TO 16	#4@10
16+ TO 20	#5@12
20+ TO 24	#5@10
24+ TO 28	#6@12

*THE REINFORCEMENT SHOWN IN THIS TABLE IS THE MINIMUM AMOUNT THAT MUST BE PROVIDED. HEAVIER REINFORCEMENT AND "ADDITIONAL" REINFORCEMENT MAY BE CALLED FOR ON PLANS, ELEVATIONS, OR IN SECTIONS AND DETAILS.

SHEARWALL TIE SCHEDULE

NON-TYPICAL VERTICAL BAR SIZE	#4 TIES VERTICAL SPACING(S), BUT NOT TO EXCEED WALL THICKNESS (INCHES)
#6	12
#7	14
#8	16
#9	18
#10	20
#11	22

NOTES:
1. LOCATE LOWEST SET OF TIES S/2 ABOVE TOP OF SLAB.
2. LOCATE TOP SET OF TIES WITHIN S/2 OF BOTTOM REINFORCEMENT IN SLAB OR LINK BEAM.

SHEARWALL CONCRETE MINIMUM REQUIREMENTS

FLOOR	COMPRESSIVE STRENGTH f'c (ksi)	MODULUS OF ELASTICITY E (ksi)
FDN. - 15TH	10	6000
15TH - 25TH	9	5700
25TH - 33RD	8	5350
33RD - T.O.B.	6	4415

NOTE:
COLUMN CONCRETE STRENGTH REQUIRED AT EACH LEVEL IS DEFINED ON THE COLUMN SCHEDULE(S) IN THE S-500 SERIES DRAWINGS.

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TYPICAL SHEARWALL DETAILS

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COLUMN SCHEDULE

FLOOR	COL. NO. 4	5.5	8.5	4	5.6	8.6	1.1	10.1	4	5.5	6.3	8	4	1.1	3.8
	B			C			D		D.8		E.5	D.8	F.2	I	
CONT.															
18TH FLOOR (f'c= 9000 psi)				2138	1684	1608					2029		2249		1802
17TH FLOOR				2230	1753	1670					2108		2336 6-#9		1876
16TH FLOOR				2322	1823	1732					2187		2422 6-#10		1950
15TH FLOOR (f'c= 9000 psi, 9'-4")				2414 18 x 36	1892 18 x 28 10-#10	1793 18 x 26 6-#9 6-#8					2266 6-#9		2509 6-#10		2025 6-#9
14TH FLOOR (f'c= 10000 psi, 18'-0")				2552 18 x 79 DET. B 10-#10 10-#9	2001 18 x 60 DET. B 10-#9 10-#8	1895 18 x 60 DET. B 10-#9 10-#8					2362 12-#11		2604 12-#11		2118 12-#9
13TH FLOOR (9'-4")				2656 18 x 54 8-#10 8-#9	2078 18 x 32 6-#9	1965 18 x 28 6-#8					2451 6-#9		2694 6-#11		2193 6-#9
12TH FLOOR				2760	2154	2034					2539		2785		2269
11TH FLOOR				2864	2231	2103 6-#8					2628 6-#9		2876		2344
10TH FLOOR				2968	2308	2172 6-#9					2717 18 x 36 6-#10		2966 18 x 36		2419 20 x 28
9TH FLOOR				3071	2385	2241					2807 20 x 36		3059 22 x 36		2496 24 x 28
8TH FLOOR				3175	2461	2311 6-#9					2896		3151		2572
7TH FLOOR				3279	2538	2380 6-#10					2986		3244		2649
6TH FLOOR				3383	2615 6-#9	2449 8-#11					3075		3336		2726 6-#9
5TH FLOOR (9'-4")				3487 18 x 54 8-#10	2691 18 x 32 8-#11	2518 18 x 28 10-#11					3165 20 x 36 6-#10		3428		2802 6-#10
4TH FLOOR (18'-0")				3617 20 x 54 8-#11	2788 22 x 32 8-#11	2605 22 x 28 10-#11					3263 24 x 36 8-#11		3530 22 x 36		2898 24 x 28
3RD FLOOR	3012 22 x 36 8-#9	2380 22 x 30 6-#9	2224 22 x 30 6-#9						1473 20 x 30 6-#8	4451 DET. 9 DET. A 18 x 30	1107 6-#8		3620 24 x 36		3010 24 x 32
2ND FLOOR T/SLAB EL. + 20'-11¼"	3226 8-#9	2578 6-#9	2392 6-#9						1669 6-#9	4683 36 x 36	1286		3766		3184
1ST FLOOR (18'-0")	3426	2763 10-#10	2548 8-#9						1851	4899	1451 6-#8		3902 6-#11		3346 6-#10
Cellar (12'-0")	3837 22 x 36 14-#11	3150 22 x 30 10-#11	2870 22 x 30 8-#9						2027	5105	1612 6-#9		4031 10-#11		3590 24 x 32 10-#11
Subcellar (f'c= 10000 psi, 12'-0")									2218 20 x 30 6-#9	5327 36 x 36 8-#11	1787 18 x 30		4169 22 x 36 10-#11		3838 B32 x 48 12-#11
FND (SERVICE LOADS)	3201	2646	2388						1836	4286	1479		3356		3071
FLOOR / COL. NO.	4	5.5	8.5	4	5.6	8.6	1.1	10.1	4	5.5	6.3	8	4	1.1	3.8
	B			C			D		D.8		E.5	D.8	F.2	I	

COLUMN SCHEDULE

FLOOR	COL. NO. 4	5.5	8.5	4	5.6	8.6	1.1	10.1	4	5.5	6.3	8	4	1.1	3.8
	B			C			D		D.8		E.5	D.8	F.2	I	
39TH FLOOR															
38TH FLOOR (f'c= 6000 psi, 18'-0")															
37TH FLOOR (18'-0")						239 14 x 24 4-#6		180 14 x 24 4-#6			288 14 x 30 6-#6			166 14 x 24 4-#6	
36TH FLOOR (27'-0")				366 14 x 30 6-#6	335 14 x 24 4-#6	404 14 x 24 4-#6	195 14 x 24 4-#6	289			520 6-#7		587 14 x 30 6-#6	267	368 14 x 24 4-#7
35TH FLOOR (18'-0")				566 6-#7	490 4-#7	544 4-#7	292 4-#6	378 4-#6			695 6-#9		776 6-#7	351 4-#6	532 4-#8
34TH FLOOR (18'-0")				693 6-#9	589 4-#8	635 4-#8	360 4-#7	442 4-#7			797 6-#11		887 6-#8	410 4-#7	638 4-#10
33RD FLOOR (f'c= 6000 psi, 9'-4")				783 6-#7	657	698 4-#7	405	485			873 6-#9		971	450	711 4-#8
32ND FLOOR (f'c= 8000 psi)				872	725	758	449	527			950 6-#8		1055	489	782
31ST FLOOR				962	793	818 4-#7	492	568			1026		1139	527	854
30TH FLOOR				1051 6-#7	861	879 4-#8	534	608			1102		1223	565	926
29TH FLOOR				1141 6-#8	929	939	575	648			1178		1307	602	997
28TH FLOOR				1230 14 x 30	997 14 x 24 4-#8	999 14 x 24 4-#8	617	687			1254 14 x 30		1391 14 x 30	638	1069 14 x 24 4-#8
27TH FLOOR				1320 14 x 36	1065 14 x 28 6-#8	1060 14 x 26 6-#8	659	726			1331 14 x 36		1477 18 x 30	674	1142 16 x 28 6-#9
26TH FLOOR				1411	1134	1120	701	765 4-#7			1408		1562	711	1215
25TH FLOOR (f'c= 8000 psi)				1501	1202	1181	742	804 4-#8			1486		1648	747	1288
24TH FLOOR (f'c= 9000 psi)				1592	1270	1242	784	843			1563		1733	784	1361
23RD FLOOR				1682	1339	1302	826	882			1640		1819 6-#8	820	1434
22ND FLOOR				1773 6-#8	1407	1363	868 14 x 24 4-#7	921 14 x 24 4-#8			1717		1904 6-#9	856 14 x 24 4-#7	1507
21ST FLOOR				1863 6-#9	1476 6-#8	1424					1794 6-#8		1990		1580
20TH FLOOR				1954 14 x 36	1544 6-#10 14 x 28	1484 6-#9 14 x 26					1871 14 x 36 6-#9		2075 18 x 30		1653 16 x 28
19TH FLOOR (f'c= 9000 psi)				2046 18 x 36	1614 18 x 28	1546 18 x 26					1950 18 x 36		2162 18 x 36		1727 20 x 28
CONT.															
FLOOR / COL. NO.	4	5.5	8.5	4	5.6	8.6	1.1	10.1	4	5.5	6.3	8	4	1.1	3.8
	B			C			D		D.8		E.5	D.8	F.2	I	

NOTES:

1. FIRST COLUMN DIMENSION SHOWN IN SCHEDULE IS IN THE EAST-WEST DIRECTION.
2. LOADS ON FOUNDATIONS ARE SERVICE LOADS IN KIPS.
3. LOADS ARE GIVEN IN KIPS, AND ARE ULTIMATE LOADS U.O.N.
4. FOR CONCRETE STRENGTH REQUIRED SEE COLUMN SCHEDULES.
5. COLUMN SIZES AND REINFORCEMENT ARE SHOWN ONLY WHERE SIZES START AND STOP. BLANK SPACES IN BETWEEN INDICATE SAME SIZE AS INDICATED ABOVE AND BELOW.
6. HEAVY LINE AT TOP INDICATES TOP OF COLUMN.
7. FOR GENERAL NOTES SEE DWG. FO-001
8. FOR SHEARWALL DETAILS SEE DRAWING S-420.
9. FOR COLUMN AND REINFORCING DETAILS SEE DRAWING S-965.
10. BUTTRESS INDICATED AS "B" IN COLUMN SCHEDULE
11. ★ INDICATES TENSION SPLICE REBARS.
12. INDICATE SHEARWALLS.
13. INDICATES COLUMN BEING PICKED UP BY BEAM OR SLAB.
14. INDICATES CHANGES IN HELD FACE OF COLUMN.
15. INDICATES ADDITIONAL LOAD FROM PICK-UP BEAM OR SLAB.

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COLUMN SCHEDULE

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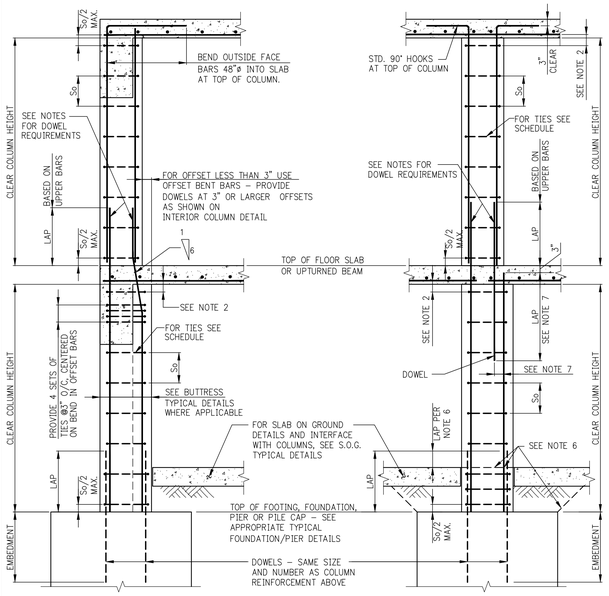


EXTERIOR COLUMN OR BUTTRESS

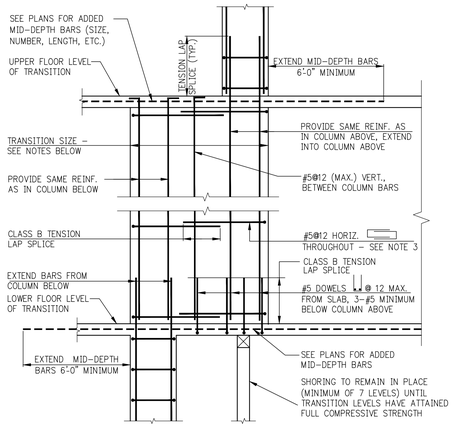
INTERIOR COLUMN

COLUMN DETAILS

COLUMN TIE SCHEDULE			
VERTICAL BAR SIZE	SIZE AND SPACING (So) OF TIES IN INCHES (MAX. SPACING NOT TO EXCEED LEAST COL. DIM.)		
	#3	#4	#5
#5	10	–	–
#6	12	–	–
#7	14	–	–
#8	16	16	–
#9	18	18	–
#10	18	20	–
#11	*	22	–
#14	*	24	27
#18	*	34	30

NOTES:

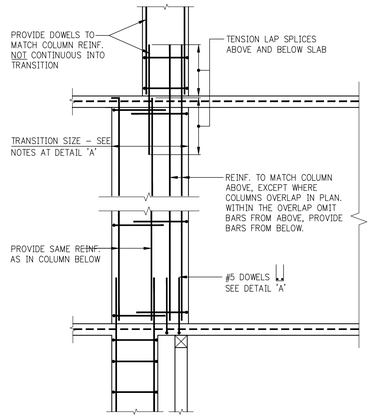
1. * #3 TIES NOT PERMITTED FOR #11, #14, #18 OR BUNDLED VERTICAL BARS.
2. LOCATE TOP SET OF TIES So/2 MAX. BELOW THE LOWEST HORIZONTAL REINFORCEMENT IN SLAB OR DROP PANEL. WHERE BEAMS FRAME FROM FOUR DIRECTIONS INTO COLUMN, TIES MAY TERMINATE NOT MORE THAN 3" BELOW LOWEST REINFORCEMENT IN SHALLOWEST OF SUCH BEAMS.
3. WHERE AREA OF VERTICAL REINFORCEMENT IN LOWER COLUMN IS GREATER THAN THAT OF UPPER COLUMN, EXTEND AREA OF REINFORCEMENT AT LEAST EQUAL TO THAT OF UPPER COLUMN.
4. WHERE AREA OF REINFORCEMENT IN LOWER COLUMN IS LESS THAN THAT OF UPPER COLUMN, PROVIDE ADDITIONAL DOWELS TO MAKE UP THE DIFFERENCE.
5. ALL LAP SPLICES AND EMBEDMENTS TO BE COMPRESSION UNLESS OTHERWISE NOTED IN COLUMN SCHEDULE.
6. WHERE SLAB IS POURED OVER FOUNDATION PRIOR TO COLUMN, VERTICAL REINFORCEMENT AND DOWEL LAP TO START AT TOP OF SLAB.
7. IF OFFSET OF DOWEL IS MORE THAN 6", LAP SHALL BE TWICE THE COMPRESSION DEVELOPMENT LENGTH OF THE SMALLER BAR.



DETAIL A – ELEVATION OF "WALKING" COLUMN TRANSITION

NOTES:

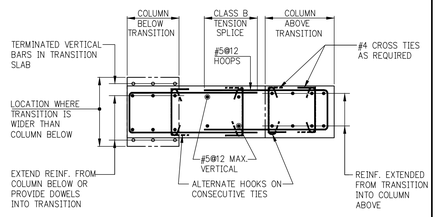
1. FOR DIMENSIONS AND LOCATION OF TRANSITION SEE COLUMN LOCATION PLANS AND/OR COLUMN SCHEDULE.
2. VERTICAL REINFORCEMENT IN TRANSITION TO BE AS SHOWN IN DETAILS 'A' AND 'B' UNLESS THE COLUMN SCHEDULE CALLS FOR SPECIFIC VERTICAL REINFORCEMENT WITHIN THE TRANSITION.
3. IN ADDITION TO #5@12 HORIZONTAL HOOPS, PROVIDE HOOPS AND CROSSTIES TO SATISFY TIEING REQUIREMENTS OF TYPICAL COLUMN DETAILS FOR ALL VERTICAL REINFORCEMENT.



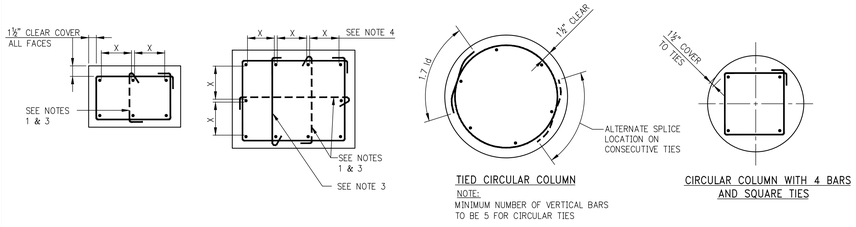
DETAIL B

USE THIS DETAIL WHERE COLUMNS ABOVE AND BELOW TRANSITION OVERLAP IN PLAN

FOR ALL OTHER INFORMATION AND REQUIREMENTS, SEE DETAIL 'A'



DETAIL C – HORIZONTAL SECTION THROUGH "WALKING" COLUMN TRANSITION



TIED CIRCULAR COLUMN

NOTE:
MINIMUM NUMBER OF VERTICAL BARS TO BE 5 FOR CIRCULAR TIES

CIRCULAR COLUMN WITH 4 BARS AND SQUARE TIES

COLUMN REINFORCEMENT AND TIES ARRANGEMENT

NOTES:

1. SINGLE LEG CROSSTIES SHOWN DASHED MAY BE OMITTED WHEN THE VERTICAL BAR IS NO FARTHER THAN 6" CLEAR ON EACH SIDE FROM ADJACENT TIED BARS.
2. WHEN THERE IS A SERIES OF VERTICAL BARS (SUCH AS IN WALL-LIKE COLUMNS) AND BARS ARE SPACED NOMINALLY AT 6" O/C, EVERY OTHER VERTICAL BAR WILL REQUIRE A CROSSTIE.
3. ALTERNATE 90° AND 135° ENDS ON CONSECUTIVE SINGLE LEG CROSSTIES THROUGHOUT HEIGHT OF MEMBER.
4. DETAILER SHALL SPACE BARS EQUIDISTANT ON ALL FACES UNLESS OTHERWISE SHOWN IN DETAILS.

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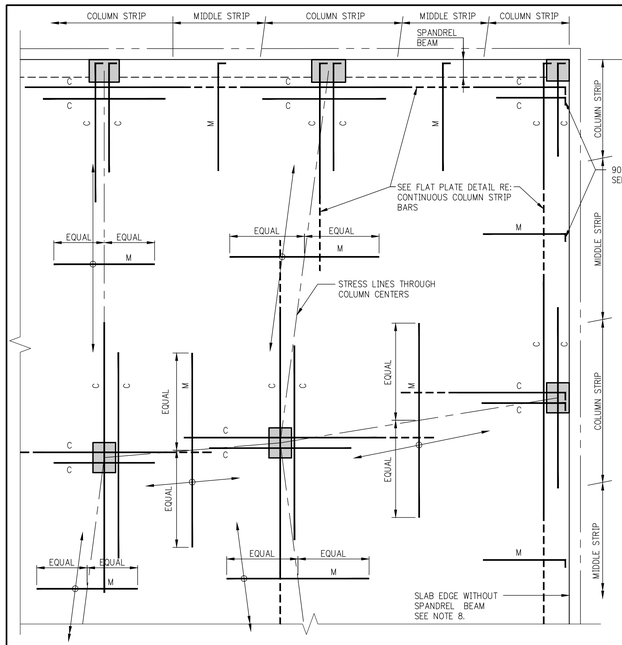
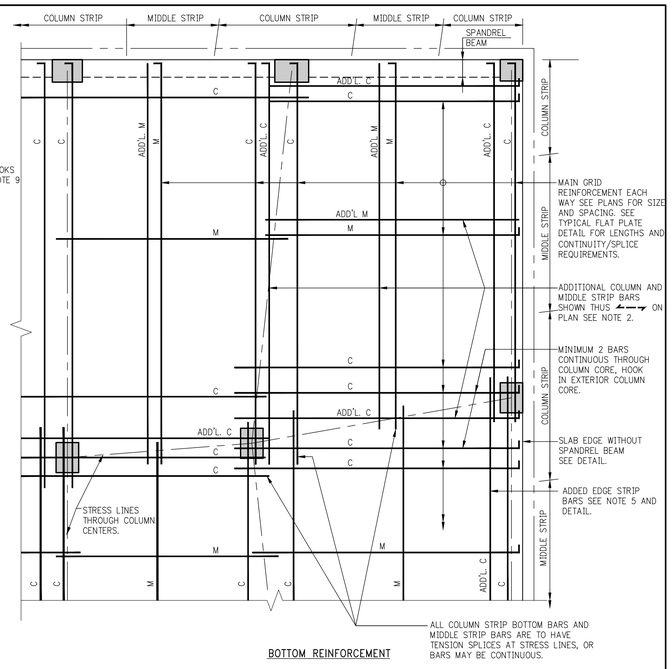


TOP REINFORCEMENT



BOTTOM REINFORCEMENT

NOTES FOR TOP REINFORCEMENT

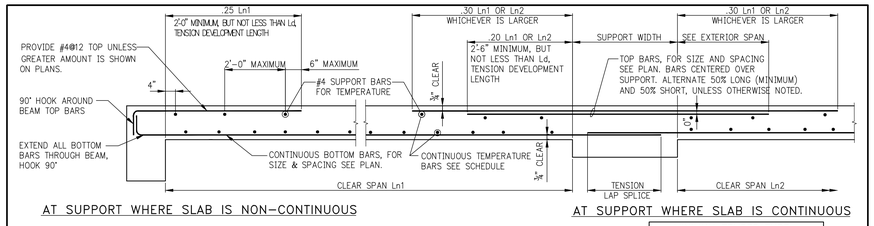
1. 'C' DENOTES COLUMN STRIP BARS (LONG AND SHORT BARS ARE ALTERNATED). 'M' DENOTES MIDDLE STRIP BARS.
2. FOR SIZE, SPACING, NUMBER, ETC. OF REINFORCING BARS, SEE FRAMING PLANS.
3. WHERE COLUMN STRIP BAR LENGTHS ARE SHOWN ON FRAMING PLANS THEY ARE FOR LONGER BARS, WHICH ARE TO BE ALTERNATED WITH SHORTER BARS. SEE TYPICAL FLAT PLATE DETAIL.
4. COLUMN STRIP BARS ARE TO BE CENTERED OVER COLUMNS UNLESS OTHERWISE INDICATED ON PLANS.
5. MIDDLE STRIP BARS ARE TO BE CENTERED OVER STRESS LINES UNLESS OTHERWISE INDICATED ON PLANS.
6. MIDDLE STRIP BARS ARE TO BE SPACED AS SHOWN ON PLANS. FIRST BAR IS TO BE LOCATED A DISTANCE FROM LAST COLUMN STRIP BAR NOT TO EXCEED MIDDLE STRIP BAR SPACING.
7. COLUMN STRIP BARS PARALLEL TO SPANDREL BEAMS ARE TO HAVE FIRST BAR LOCATED AT ONE-HALF SCHEDULED SPACING FROM INSIDE FACE OF BEAM, SIX INCHES MAXIMUM.
8. AT SLAB EDGES WITHOUT SPANDREL BEAMS, SEE TYPICAL DETAIL FOR ADDITIONAL CONTINUOUS EDGE BARS AND FOR COLUMN STRIP BAR PLACEMENT PARALLEL TO SLAB EDGE.
9. PROVIDE 90 DEGREE HOOK AT EVERY DISCONTINUOUS TOP BAR, COLUMN AND MIDDLE STRIPS, AT EDGE OF SLAB, WITH OR WITHOUT SPANDREL BEAMS (2" CLEAR COVER TO HOOK)

BAR LENGTH EXTENSIONS REQUIRED AT EPOXY COATED REINFORCEMENT (WHERE SPECIFIED ON PLANS)
1. TO REINFORCING BAR LENGTHS SHOWN ON PLAN OR AS DETERMINED FROM TYPICAL DETAILS, ADD AN ADDITIONAL LENGTH AT EACH END (EXCEPT AT HOOKED BARS) EQUAL TO 50% OF BAR DEVELOPMENT LENGTH (SEE TABLE #2)
2. DEVELOPMENT LENGTHS AND LAP SPLICE LENGTHS SHOWN ARE TO BE INCREASED, IN CONFORMANCE WITH TABLES 1 & 2 IN TYPICAL DETAILS FOR REINFORCEMENT DEVELOPMENT AND SPLICE LENGTHS, OVER VALUES FOR UNCOATED BARS.

NOTES FOR BOTTOM REINFORCEMENT:

1. 'C' DENOTES A COLUMN STRIP BAR, PART OF MAIN GRID, 'ADD'L. C' DENOTES COLUMN STRIP BARS ADDITIONAL TO MAIN GRID BARS. 'M' DENOTES A MIDDLE STRIP BAR, PART OF MAIN GRID. 'ADD'L M' DENOTES MIDDLE STRIP BARS ADDITIONAL TO MAIN GRID BARS.
2. PLACE ADDITIONAL BARS BETWEEN MAIN GRID BARS. IN COLUMN STRIPS GROUP ABOUT STRESS LINE. IN MIDDLE STRIPS DISTRIBUTE THROUGHOUT STRIP.
3. ALL COLUMN STRIP BOTTOM BARS ARE TO BE CONTINUOUS AND HOOKED 90° AT EDGES OF SLAB OR AT SLAB OPENINGS, OR AT OTHER DISCONTINUITIES.
4. ALL MIDDLE STRIP BOTTOM BARS ARE TO BE CONTINUOUS AND ARE TO EXTEND TO EDGE OF SLAB WHERE 50% OF BARS ARE TO BE HOOKED.
5. IN EDGE STRIP WITHOUT SPANDREL BEAMS START ADDITIONAL BARS TWO INCHES FROM CONTINUOUS EDGE BARS SEE FLAT PLATE DETAIL AT EDGE OF SLAB.

FLAT SLAB REINFORCEMENT DETAILS

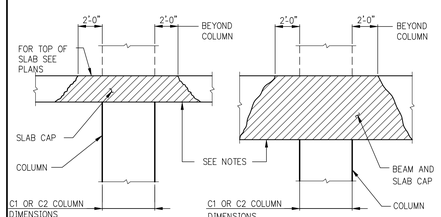


AT SUPPORT WHERE SLAB IS NON-CONTINUOUS

AT SUPPORT WHERE SLAB IS CONTINUOUS

ONE WAY CONCRETE SLAB

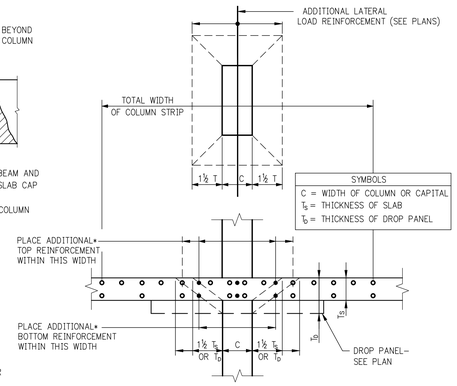
MINIMUM TEMPERATURE REINFORCEMENT (BOTTOM) ONE WAY SLABS	
SLAB THICKNESS	MIN. TEMPERATURE REINFORCEMENT
UP TO 6"	#4@18
6"+ TO 7"	#4@16
7"+ TO 8"	#4@14
8"+ TO 9"	#4@12
9"+ TO 10"	#4@10 OR #5@15
10"+ TO 12"	#4@9 OR #5@14
12"+ TO 14"	#4@8 OR #5@12
14"+ TO 16"	#5@10
OVER 16"	BY DESIGNER



BEAM AND SLAB CONCRETE PLACEMENT AT HIGH STRENGTH CONCRETE COLUMN OR WALL

NOTES:

1. IN CONFORMANCE WITH 10.13 OF ACI 318-89 (10.15 in 2002 CODE), USE THIS DETAIL WHEN THE SPECIFIED CONCRETE STRENGTH IN COLUMN/WALL IS GREATER THAN 1.4 TIMES THAT SPECIFIED FOR THE FLOOR SYSTEM.
2. CAP SHALL BE NORMAL-WEIGHT STONE CONCRETE, EQUAL IN STRENGTH TO THAT SPECIFIED FOR THE COLUMN/WALL. CAP SHALL EXTEND BEYOND COLUMN/WALL IN ALL DIRECTIONS AS SHOWN ABOVE.
3. CAP CONCRETE SHALL NOT BE PLACED OVER THE COLUMN/WALL UNTIL COLUMN/WALL CONCRETE IS NO LONGER PLASTIC, BUT IN NO CASE LESS THAN TWO HOURS AFTER COLUMN/WALL CONCRETE PLACEMENT HAS BEEN COMPLETED.
4. THE BALANCE OF CONCRETE IN SLAB AND BEAMS SHALL BE PLACED WHILE CAP CONCRETE IS STILL IN A WORKABLE PLASTIC CONDITION, BEFORE INITIAL SET. RETEMPERING OF CONCRETE WILL NOT BE PERMITTED.
5. IN LIEU OF PLACING TWO DIFFERENT STRENGTHS OF CONCRETE WITHIN THE SAME FLOOR SYSTEM, THE CONTRACTOR MAY ELECT (AT NO ADDITIONAL COST TO THE OWNER) TO PLACE ONE STRENGTH THROUGHOUT THE ENTIRE FLOOR. THE MINIMUM FLOOR CONCRETE STRENGTH REQUIRED BY ACI CODE WOULD BE 0.72 TIMES THE SPECIFIED STRENGTH OF CONCRETE IN THE COLUMNS/WALLS, UP TO 10,000 PSI COLUMN/WALL CONCRETE.
6. WHEN COLUMN/WALL CONCRETE STRENGTH EXCEEDS 10,000 PSI, THE CAP DETAILS SHOWN ABOVE MUST BE FOLLOWED, USING CAPS OF SAME CONCRETE STRENGTH AS IN COLUMNS/WALLS, AND THE STRENGTH SPECIFIED ON THE DRAWINGS FOR THE BALANCE OF THE FLOOR SYSTEM.

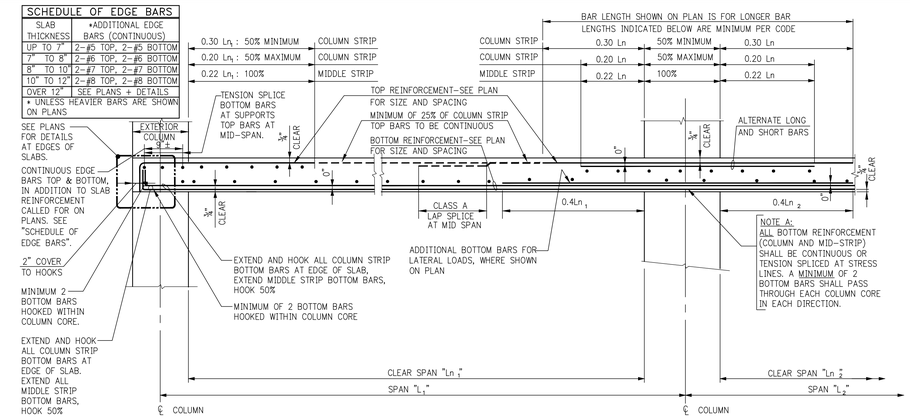


ADDITIONAL COLUMN STRIP REINFORCEMENT DUE TO LATERAL LOAD (WIND OR SEISMIC)

NOTE:

ADDITIONAL TOP OR BOTTOM BARS ARE NOTED ON PLAN WITH AN ASTERISK *.

SCHEDULE OF EDGE BARS	
SLAB THICKNESS	*ADDITIONAL EDGE BARS (CONTINUOUS)
UP TO 7"	2-#5 TOP, 2-#5 BOTTOM
7" TO 8"	2-#6 TOP, 2-#6 BOTTOM
8" TO 10"	2-#7 TOP, 2-#7 BOTTOM
10" TO 12"	2-#8 TOP, 2-#8 BOTTOM
OVER 12"	SEE PLANS + DETAILS
* UNLESS HEAVIER BARS ARE SHOWN ON PLANS	

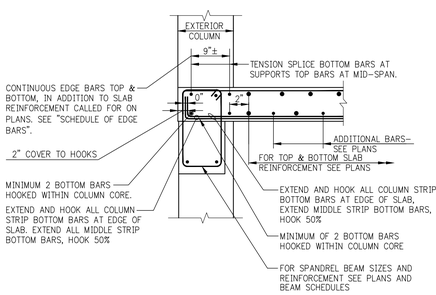


EXTERIOR SUPPORT

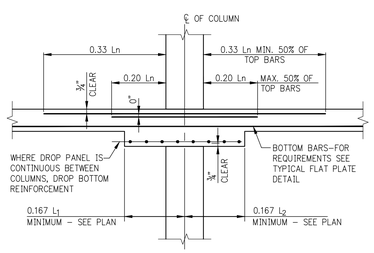
FLAT PLATE DETAIL

(FOR DROP PANEL SEE DETAIL)
AT INTERIOR SUPPORTS USE LARGER OF Ln1 OR Ln2 FOR Ln

INTERIOR SUPPORT

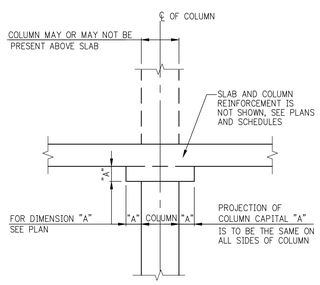


EDGE OF SLAB WITH SPANDREL BEAM



FLAT SLAB WITH DROP PANELS AT COLUMN STRIP

(MID-STRIP BARS SAME AS TYPICAL FLAT PLATE DETAIL)



COLUMN WITH CAPITAL

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REV.	DATE	DESCRIPTION
	01.19.15	100% CD ISSUE
	11.07.14	75% CD ISSUE
	08.15.14	50% CD ISSUE
	06.27.14	100% DD ISSUE
	04.04.14	100% SD

112 W 25TH ST HOTEL

112 West 25th Street
New York, New York 10001

Owner / Developer:
Lam Group
202 Centre Street, 6th Floor
New York, New York 10013

Structural Engineer
WSP
228 East 45th Street, 3rd Floor
New York, NY 10017

MEP Engineer
Edward & Zuck PC Consulting Engineers
315 Park Avenue South
New York, NY 10010

Interior Designer
Stonehill & Taylor
31 West 27th Street
New York, NY 10001

Elevator Consultant
Jenkins & Huntington Elevator Consultating
1251 Avenue of the Americas
New York, NY 10020

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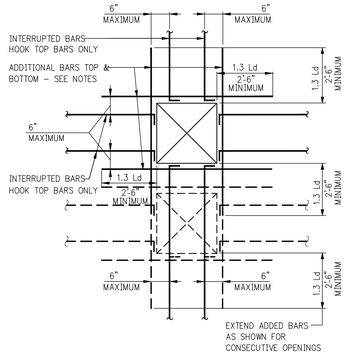
DWG. TITLE
TYPICAL SUPERSTRUCTURE DETAILS 1

DWG. NO.
S-960.00

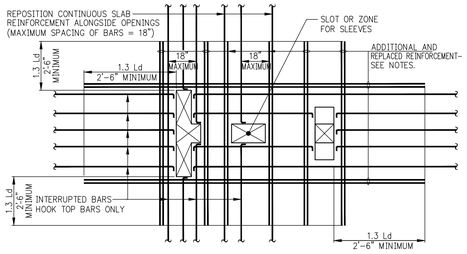
NYC DOB Number



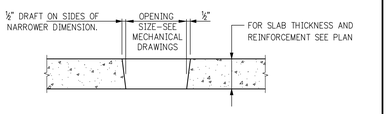
ADDED REINFORCEMENT AT OPENINGS IN FLOOR SLAB

NOTES:

1. ADDITIONAL BARS EQUAL IN AREA TO AREA OF REINFORCEMENT INTERRUPTED BY OPENING(S) SHALL BE PLACED ALONGSIDE OPENING(S), ONE HALF ON EACH SIDE (#5 MINIMUM DIAMETER), TOP AND BOTTOM.
2. ADD 1–#5 TOP AND BOTTOM EACH SIDE OF OPENING, ADDITIONAL TO REPLACEMENT BARS.
3. WHERE OPENINGS ARE NEAR OR AGAINST EXTERIOR BEAMS OR COLUMNS AND ADDED REINFORCEMENT CAN NOT BE EXTENDED AS SHOWN, HOOK EXTERIOR END.
4. AT OPENINGS SMALLER THAN THE SLAB THICKNESS (10" MAXIMUM), NO ADDITIONAL REINFORCEMENT IS REQUIRED, PLACE NORMAL REINFORCEMENT ALONGSIDE OPENING.
5. Ld = TENSION DEVELOPMMENT LENGTH, SEE TABLES.



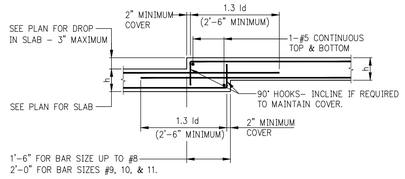
SLAB OPENINGS AT BATHROOM



PLUMBING OPENING (SLOT) IN SLAB

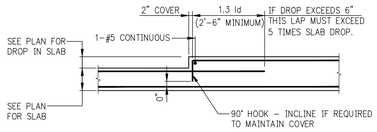
NOTES:

1. FOR LOCATIONS AND DIMENSIONS OF PLUMBING OPENINGS SEE MECHANICAL AND/OR ARCHITECTORAL DRAWINGS.
2. FILL ALL OPENINGS WITH CONCRETE AFTER PIPING HAS BEEN INSTALLED.
3. FOR SLAB REINFORCEMENT DETAILS ALONGSIDE OPENINGS SEE DETAIL OF "ADDED REINFORCEMENT AT OPENINGS IN FLOOR SLAB".
4. MINIMUM REQUIREMENTS ARE SHOWN IN THESE DETAILS. SEE PLAN FOR ADDITIONAL REQUIREMENTS.



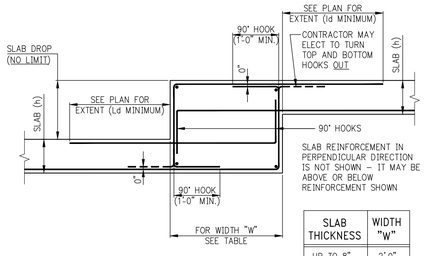
DROP IN TOP AND BOTTOM OF SLAB

(MAXIMUM DROP = 3")



DROP IN TOP OF SLAB

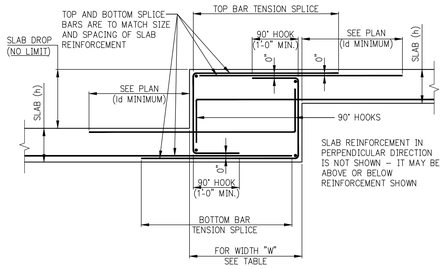
NOTE:
BARS IN OTHER DIRECTION ARE NOT SHOWN – SEE PLANS.



SLAB THICKNESS	WIDTH "W"
UP TO 8"	2'-0"
8"+ TO 10"	2'-6"
OVER 10"	3'-0"

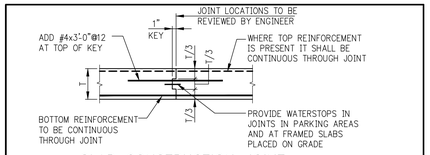
DROP IN TOP AND BOTTOM OF SLAB

(DROP GREATER THAN 3")



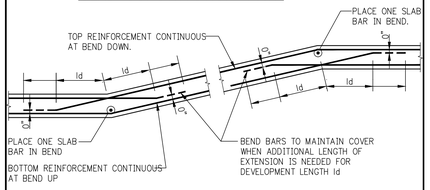
ALTERNATIVE DROP IN TOP AND BOTTOM OF SLAB USING SPLICE BARS

(DROP GREATER THAN 3")



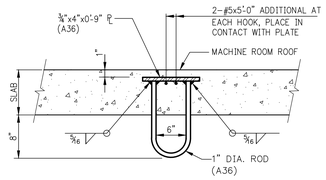
SLAB CONSTRUCTION JOINT

HOIST BEAM DETAIL



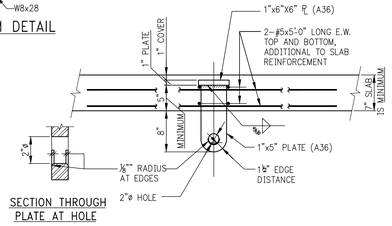
BEND IN SLAB

NOTE:
BARS IN OTHER DIRECTION ARE NOT SHOWN– SEE PLANS.



LIFTING HOOK AT ELEVATOR

MAXIMUM SERVICE LOAD LIFTING CAPACITY = 2,000 POUNDS.
FOR HEAVIER LOADS A SOLID PLATE WITH HOLE MUST BE PROVIDED.

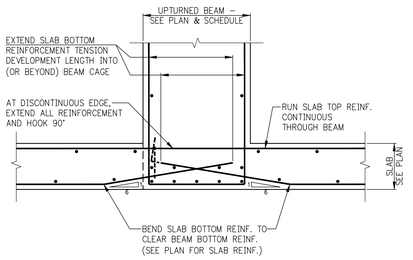


HEAVY LIFTING "PADEYE" PLATE AT ELEVATOR

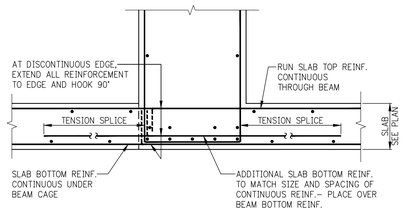
MAXIMUM SERVICE LOAD LIFTING CAPACITY = 10,000 POUNDS.

NOTES:

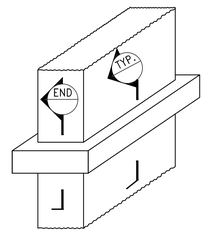
1. SLAB REINFORCEMENT IS NOT SHOWN.
2. PLACE ADDITIONAL #5 BOTTOM BARS IN THE SAME PLANE(S) AS SLAB BOTTOM REINFORCEMENT.



SLAB BOTTOM REINFORCEMENT AT A FULLY UPTURNED BEAM



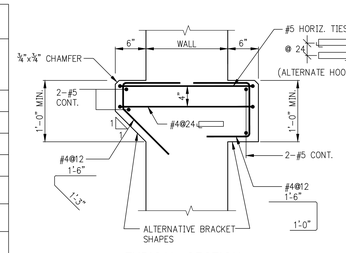
ALTERNATIVE SLAB BOTTOM REINFORCEMENT AT A FULLY UPTURNED BEAM



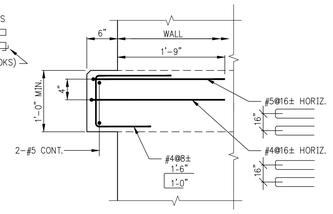
VIEW OF WALL/COLUMN BRACKET

BRACKET SCHEDULE

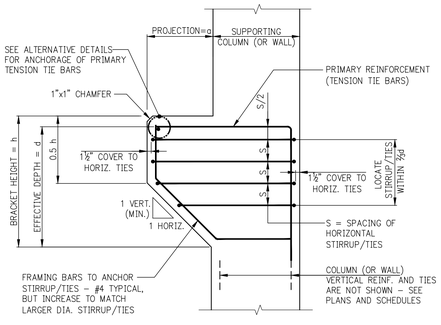
REQUIREMENT \ BRACKET NUMBER				
LOCATION OF BRACKET				
PROJECTION 'a'				
WIDTH 'b'				
TOTAL HEIGHT 'h'				
PRIMARY REINFORCEMENT TOP TENSION TIE BARS				
HORIZONTAL STIRRUP/TIES NUMBER, SIZE, SPACING				
EMBEDED STEEL BEARING PLATE SIZE				
DOWELS (WHERE REQUIRED)				
REMARKS				



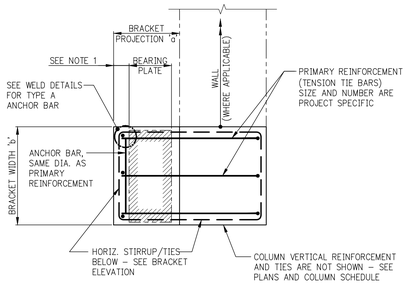
TYPICAL SECTION



END SECTION

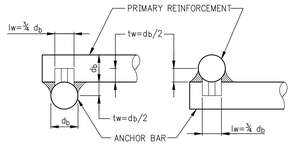


BRACKET



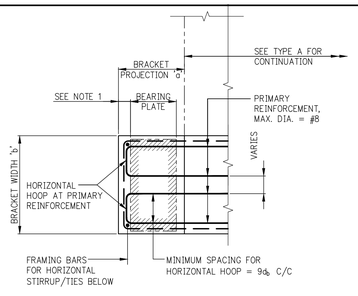
NOTES:

1. BEARING AREA SHALL NOT PROJECT BEYOND INTERIOR FACE OF ANCHOR BAR.
2. PROVIDE POSITIVE ANCHORAGE BETWEEN BEARING PLATE AND BRACKET, SUCH AS STUDS, REBAR WELDED TO PLATE, ETC.



TYPE A: ANCHORAGE OF BRACKET PRIMARY REINFORCEMENT BY WELDED ANCHOR BAR (ACI 11.9.6a)

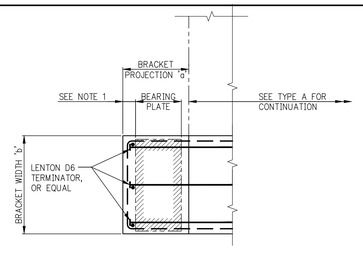
NOTE:
AT WELDED ANCHORAGE, BOTH PRIMARY REINFORCEMENT AND ANCHOR BAR SHALL CONFORM TO ASTM A706, GRADE 60. ELECTRODES SHALL BE E90XX, LOW HYDROGEN. CONFORM TO AWS D1.4.



NOTES:

1. BEARING AREA SHALL NOT PROJECT BEYOND INTERIOR FACE OF HORIZONTAL HOOPS.
2. PROVIDE POSITIVE ANCHORAGE BETWEEN BEARING PLATE AND BRACKET, SUCH AS STUDS, REBAR WELDED TO PLATE, ETC.

TYPE B: ANCHORAGE OF BRACKET PRIMARY REINFORCEMENT BY USE OF HORIZONTAL HOOPS (ACI 11.9.6b)



NOTES:

1. BEARING AREA SHALL NOT PROJECT BEYOND INTERIOR FACE OF D6 TERMINATOR.
2. PROVIDE POSITIVE ANCHORAGE BETWEEN BEARING PLATE AND BRACKET, SUCH AS STUDS, REBAR WELDED TO PLATE, ETC.

TYPE C: ANCHORAGE OF BRACKET PRIMARY REINFORCEMENT BY LENTON D6 TERMINATORS (OR EQUAL) (ACI 11.9.6c)

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REV.	DATE	DESCRIPTION
	01.19.15	100% CD ISSUE
	11.07.14	75% CD ISSUE
	08.15.14	50% CD ISSUE
	06.27.14	100% DD ISSUE
	04.04.14	100% SD

112 W 25TH ST HOTEL

112 West 25th Street
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Owner / Developer:
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New York, New York 10013

Structural Engineer
WSP
228 East 45th Street, 3rd Floor
New York, NY 10017

MEP Engineer
Edward & Zuck PC Consulting Engineers
315 Park Avenue South
New York, NY 10010

Interior Designer
Stonehill & Taylor
31 West 27th Street
New York, NY 10001

Elevator Consultant
Jenkins & Huntington Elevator Consultating
1251 Avenue of the Americas
New York, NY 10020

PROJ. NO. 1308890
ISSUE DATE
SCALE N.T.S.
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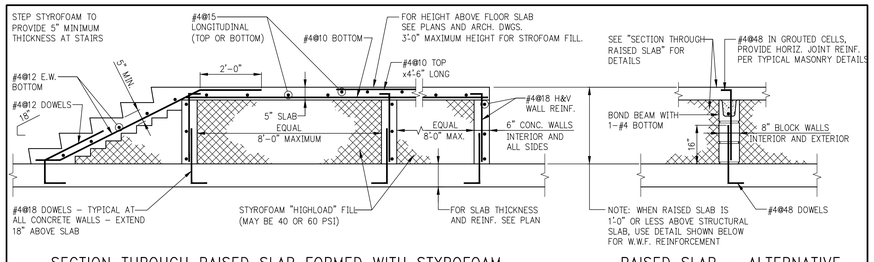
CHECKED

DWG. TITLE
TYPICAL SUPERSTRUCTURE DETAILS 2

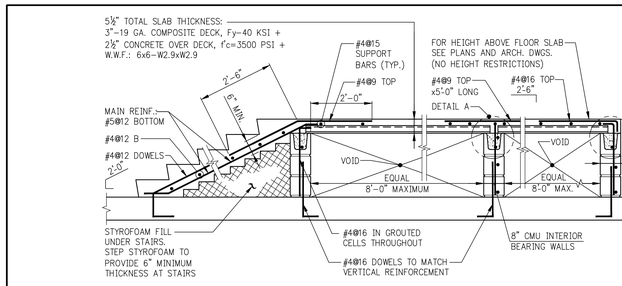
DWG. NO.
S–961.00

NYC DOB Number

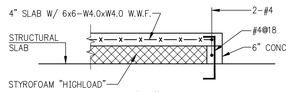


SECTION THROUGH RAISED SLAB FORMED WITH STYROFOAM

NOTES:
1. FOR STAIR TREADS, RISERS, AND WIDTH SEE ARCH. DWGS.
2. WHEN REQUIRED HEIGHT OF RAISED SLAB EXCEEDS 3'-0" USE STEEL DECK FORMS ALTERNATIVE. (STEEL DECK FORMED SLABS HAVE NO HEIGHT RESTICTIONS, MINIMUM OR MAXIMUM)



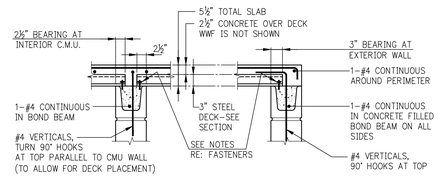
RAISED SLAB - ALTERNATIVE SUPPORTING WALL



RAISED SLAB - 1'-0" OR LESS IN HEIGHT ABOVE STRUCTURAL SLAB

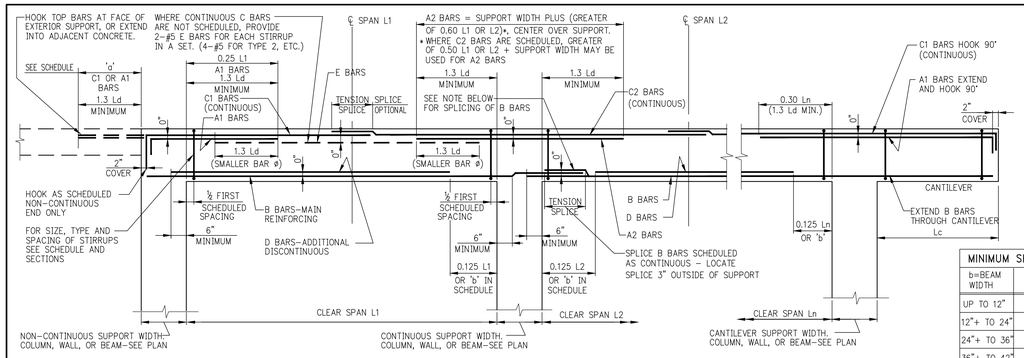
SECTION THROUGH RAISED SLAB ON STEEL DECK FORMS

NOTES:
1. FOR STAIR TREADS, RISERS AND WIDTH SEE ARCH. DWGS.



DETAIL A (INTERIOR SUPPORT) DETAIL B (END SUPPORT)

NOTES:
1. SECURE DECK WITH POWDER ACTUATED FASTENERS AT 12" O/C AT END SUPPORTS AND AT 2'-6" O/C AT SIDE WALLS.
2. USE: A. HILTI "X-U" OR B. POWERS 8MM PINS, PROVIDE WASHERS WITH EITHER.

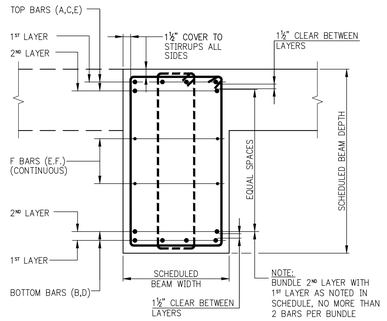


NOTE:
USE TYPICAL CUTOFF LENGTHS SHOWN UNLESS 'a' OR 'b' DIMENSIONS OR OTHER DIMENSIONS ARE GIVEN IN THE BEAM SCHEDULE

TYPICAL BEAM ELEVATION

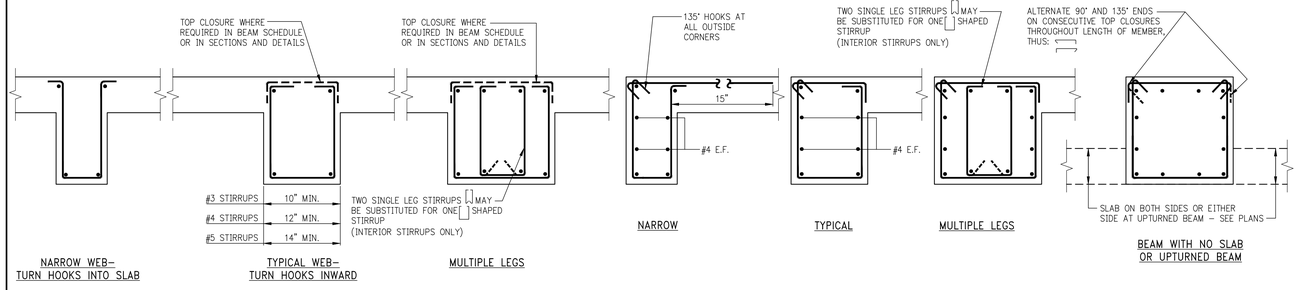
MINIMUM SHEAR REINFORCEMENT FOR DEEP BEAMS (D ≥ Ln/4)		
b=BEAM WIDTH	MINIMUM STIRRUPS(Av) (SPACING = S)*	MINIMUM F BARS (Avh) (SPACING = S2)*
UP TO 12"	1-#4 @ 12" MAX.	#4 E.F. @ 12" MAX.
12"+ TO 24"	2-#4 @ 12" MAX.	#4 E.F. @ 12" MAX.
24"+ TO 36"	3-#4 OR 2-#5 @ 12" MAX.	#5 E.F. @ 12" MAX.
36"+ TO 42"	2-#5 @ 12" MAX.	#6 E.F. @ 12" MAX.
42"+ TO 48"	4-#4 OR 3-#5 @ 12" MAX.	#6 E.F. @ 12" MAX.
OVER 48"	← DESIGNER TO PROVIDE →	

* PER ACI 11.8.4 AND 11.8.5, SPACINGS S AND S2 "SHALL NOT EXCEED D/5, NOR 12 INCHES."



TYPICAL BEAM SECTION

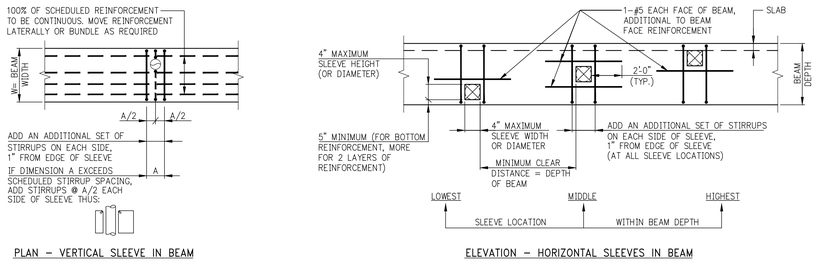
NOTES:
1. WHERE BARS ARE PLACED IN TWO LAYERS THE MINIMUM CLEAR DISTANCE BETWEEN LAYERS SHALL BE 1½".
2. BEAM REINFORCEMENT SHALL BE LOCATED LATERALLY AS REQUIRED TO CLEAR COLUMN VERTICAL REINFORCEMENT.
3. WHERE BEAMS MEET AND CROSS EACH OTHER AT A SUPPORT, THE SHALLOWER BEAM SHALL HAVE ITS TOP REINFORCEMENT PLACED IN THE OUTERMOST (TOP) LAYER.
4. IN THE EVENT ONE CROSSING BEAM IS A CANTILEVER, THE CANTILEVER BEAM SHALL HAVE ITS TOP REINFORCEMENT PLACED IN THE OUTERMOST (TOP) LAYER.
5. WHERE F BARS (FACE OR "SKIN" BARS) ARE INDICATED IN THE BEAM SCHEDULE, THEY SHALL BE UNIFORMLY SPACED ON BOTH BEAM FACES AND SHALL BE CONTINUOUS, WITH STAGGERED TENSION SPLICES.
6. SEE SCHEDULE OF SHEAR REINFORCEMENT FOR DEEP BEAMS (D> Ln/4) FOR MINIMUM STIRRUP AND FACE BAR REQUIREMENTS.
7. THE FIRST STIRRUP AT EACH END SHALL BE PLACED AT ½ THE FIRST SCHEDULED SPACE FROM THE FACE OF SUPPORTING MEMBER. SUBSEQUENT STIRRUPS SHALL BE SPACED AS INDICATED IN THE BEAM SCHEDULE.
8. WHERE MORE THAN ONE STIRRUP IS INDICATED IN A SET, PLACE EACH SET AT THE SCHEDULED SPACING.
9. SCHEDULED STIRRUP SPACING IS THE SAME AT EACH END UNLESS OTHERWISE NOTED.



INTERIOR BEAMS

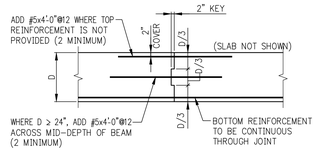
EDGE/SPANDREL BEAMS

NOTES:
1. TOP CLOSURES REQUIRED IN ALL EDGE/SPANDREL BEAMS.
2. 2-#4 E.F. IS MINIMUM FACE REINF. REQUIRED, UNLESS BEAM SCHEDULE (OR DETAIL) CALLS FOR HEAVIER REINF.



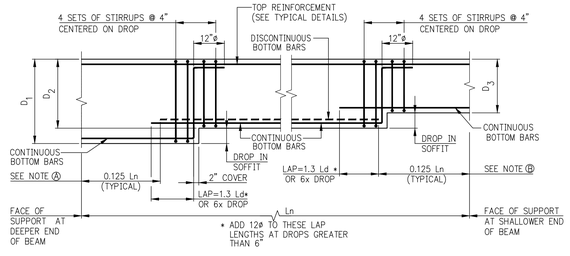
SLEEVE PENETRATIONS THROUGH BEAMS

NOTES:
1. ALL SCHEDULED BEAM REINFORCEMENT (NOT SHOWN) IS TO BE CONTINUOUS
2. NO OPENINGS LARGER THAN 4" (SQUARE OR ROUND) ARE PERMITTED UNLESS SPECIFICALLY INDICATED ON STRUCTURAL PLANS.



ELEVATION - BEAM CONSTRUCTION JOINT

NOTE:
CONTRACTOR MUST SUBMIT LOCATIONS OF ALL CONSTRUCTION JOINTS TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.

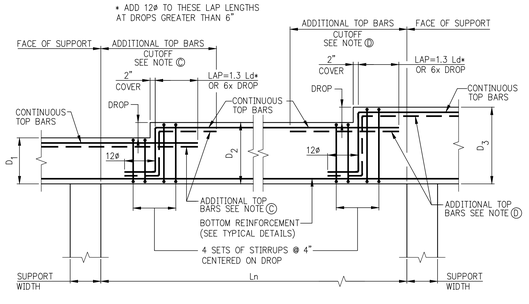


ELEVATION - DROP IN BEAM SOFFIT

(SLAB NOT SHOWN)

NOTE Ⓐ:
IF DISCONTINUOUS BOTTOM BARS ARE CUT OFF WITHIN SPLICE LENGTH OF CONTINUOUS BOTTOM BARS, THEN DISCONTINUOUS BOTTOM BARS NEED NOT BE CONTINUED AT BOTTOM OF DEEPER PORTION OF BEAM (D_1)

NOTE Ⓑ:
IF DROP OCCURS WITHIN TYPICAL CUTOFF OF DISCONTINUOUS BOTTOM BARS, THEN DISCONTINUOUS BOTTOM BARS NEED NOT BE CONTINUED IN SHALLOWER PORTION OF BEAM (D_3)



ELEVATION - DROP AT TOP OF BEAM

(SLAB NOT SHOWN)

NOTE Ⓒ:
IF LAP LENGTH OF LOWER ADDITIONAL TOP BARS (D_1) EXTENDS BEYOND THE CUTOFF LENGTH, THEN ADDITIONAL TOP BARS NEED NOT BE PLACED AT TOP OF DEEPER PORTION OF BEAM (D_2)

NOTE Ⓓ:
IF DROP OCCURS BEYOND THE CUTOFF LENGTH OF UPPER LEVEL ADDITIONAL TOP BARS (D_3), THEN ADDITIONAL TOP BARS NEED NOT BE PLACED IN SHALLOWER PORTION OF BEAM (D_2)

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	01.19.15	100% CD ISSUE
	11.07.14	75% CD ISSUE
	08.15.14	50% CD ISSUE
	06.27.14	100% DD ISSUE
	04.04.14	100% SD

112 W 25TH ST HOTEL

112 West 25th Street
New York, New York 10001

Owner / Developer:
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202 Centre Street, 6th Floor
New York, New York 10013

Structural Engineer
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MEP Engineer
Edward & Zuck PC Consulting Engineers
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Interior Designer
Stonehill & Taylor
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New York, NY 10001

Elevator Consultant
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1251 Avenue of the Americas
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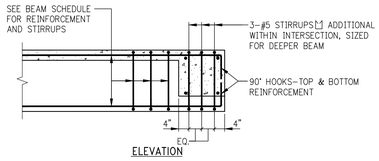
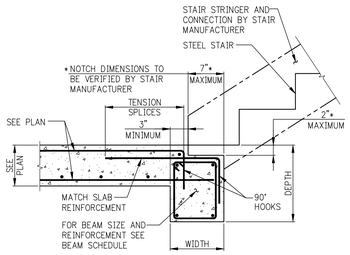
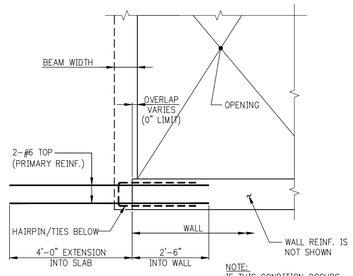


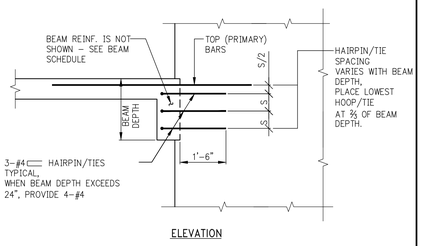
DEEP BEAM FRAMING INTO SHALLOW BEAM



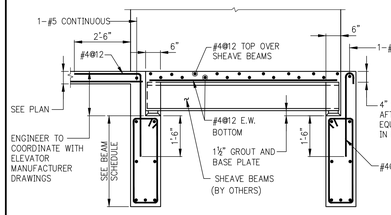
EDGE BEAM AT STEEL STAIR SUPPORT



NOTE:
IF THIS CONDITION OCCURS AT A COLUMN, PROVIDE 90° HOOKS ON BRACKET REINF. IF EMBEDMENT IS LIMITED.

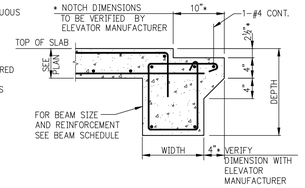


BEAM SUPPORT BRACKET AT END OF WALL

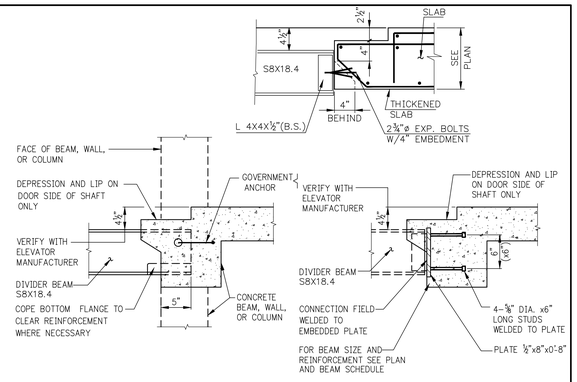


ELEVATOR SHEAVE BEAM

NOTE:
SHEAVE BEAMS TO BE SET BY ELEVATOR CONTRACTOR.

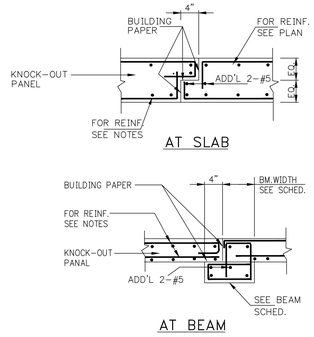


BEAM AT ELEVATOR SILL

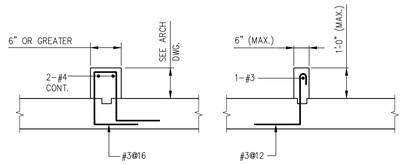


ELEVATOR DIVIDER BEAM CONNECTION

ALTERNATIVE ELEVATOR DIVIDER BEAM CONNECTION

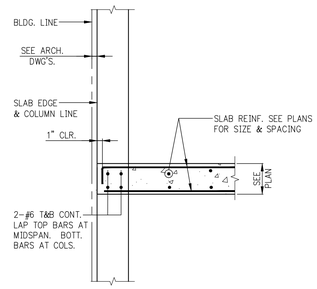


TYPICAL DETAILS OF EDGE SUPPORT FOR KNOCK-OUT PANELS

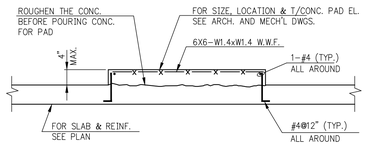


TYPICAL CONCRETE CURB DETAILS

NOTE:
FOR LOCATION SEE ARCH./MECH'L DWGS



TYPICAL SECTION AT EDGE OF SLAB



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TYPICAL SUPERSTRUCTURE DETAILS 4

DWG. NO.
S-963.00

NYC DOB Number

TABLE #1:
TENSION LAP SPLICE LENGTHS (CLASS B MINIMUM)

TABLE 1.A: ¾" COVER TO OUTER LAYER BARS
OUTER LAYER LAP LENGTHS (IN INCHES)

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000*
#3	16	16	16	16	16	16	16	16
#4	21	20	20	20	20	20	20	20
#5	31	27	24	24	24	24	24	24
#6	43	37	33	30	29	29	29	29
#7	69	60	53	49	45	42	40	38
#8	85	74	66	60	56	52	49	47
#9	103	89	80	73	67	63	59	56
#10	121	105	94	86	79	74	70	66
#11	140	122	109	99	92	86	81	77

TABLE 1.C: 1½" COVER TO OUTER LAYER BARS
OUTER LAYER LAP LENGTHS (IN INCHES)

NOTE: USE TABLE 1.A IF BAR SPACING IS LESS THAN 4" O/C UP TO #8, 5" O/C FOR #9, #10, #11

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000*
#3	16	16	16	16	16	16	16	16
#4	20	20	20	20	20	20	20	20
#5	24	24	24	24	24	24	24	24
#6	29	29	29	29	29	29	29	29
#7	37	34	34	34	34	34	34	34
#8	43	39	39	39	39	39	39	39
#9	53	46	44	44	44	44	44	44
#10	64	55	49	49	49	49	49	49
#11	75	65	58	54	54	54	54	54

TABLE 1.B: ¾" COVER TO OUTER LAYER BARS
INNER LAYER LAP LENGTHS (IN INCHES)

NOTE: USE TABLE 1.A IF BAR SPACING IS LESS THAN 4" O/C UP TO #8, 5" O/C FOR #9, #10, #11

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000*
#3	16	16	16	16	16	16	16	16
#4	20	20	20	20	20	20	20	20
#5	24	24	24	24	24	24	24	24
#6	30	29	29	29	29	29	29	29
#7	48	42	38	34	34	34	34	34
#8	61	53	47	43	40	39	39	39
#9	75	65	58	53	49	46	44	44
#10	89	77	69	63	58	55	51	49
#11	104	90	81	74	68	64	60	57

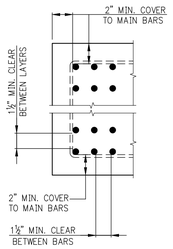
TABLE 1.D: 1½" COVER TO OUTER LAYER BARS
INNER LAYER LAP LENGTHS (IN INCHES)

NOTE: USE TABLE 1.A IF BAR SPACING IS LESS THAN 5" O/C UP TO #8, 6" O/C FOR #9, #10, #11

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000*
#3	16	16	16	16	16	16	16	16
#4	20	20	20	20	20	20	20	20
#5	24	24	24	24	24	24	24	24
#6	29	29	29	29	29	29	29	29
#7	37	34	34	34	34	34	34	34
#8	43	39	39	39	39	39	39	39
#9	53	46	44	44	44	44	44	44
#10	64	55	49	49	49	49	49	49
#11	75	65	58	54	54	54	54	54

NOTES FOR TENSION LAP SPLICES

1. REINFORCEMENT IS UNCOATED, WITH Fy=60,000 PSI.
2. CONCRETE IS NORMAL WEIGHT (144–150#/C.F.).
3. "TOP"' REINFORCEMENT:
   a. WHERE HORIZONTAL REINFORCEMENT IS PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE SPLICE, TABULATED LENGTHS MUST BE MULTIPLIED BY 1.3.
   b. SUCH LOCATIONS INCLUDE, BUT ARE NOT LIMITED TO, BEAMS, SLABS, FOOTINGS, MATS, AND WALLS.
   c. WALL HORIZONTAL REINFORCEMENT INCLUDE BARS EACH FACE , ADDED BARS, CORNER BARS, "U" BARS, ETC.
   d. "FRESH" CONCRETE INCLUDES ALL CONCRETE CAST BELOW "TOP" REINFORCEMENT WITHIN PERIOD OF TWO HOURS.
4. TABULATED LENGTHS MUST BE MULTIPLIED BY THE FOLLOWING MODIFICATION FACTORS:
   a. LIGHTWEIGHT CONCRETE 1.3
   b. EPOXY–COATED BARS:
      1.) BARS WITH COVER < 3db, OR WITH CLEAR SPACING < 6db ...1.5*
      2.) ALL OTHER CONDITIONS 1.2
   * FOR EPOXY–COATED 'TOP' BARS THE MAXIMUM FOR COMBINED FACTORS = 1.7
5. WHERE TENSION DEVELOPMENT LENGTH (Ld) IS REQUIRED ON PLANS OR IN DETAILS, SEE TENSION DEVELOPMENT LENGTH TABLES.
6. CLASS A LAP SPLICE LENGTHS (AS DEFINED AS BY AC1) ARE EQUAL TO TENSION DEVELOPMENT LENGTHS. SEE TABLES FOR TENSION DEVELOPMENT LENGTHS (Ld). APPLY APPROPRIATE MODIFICATION FACTORS TO CLASS A SPLICE LENGTHS.



MULTIPLE LAYERS

PROVIDE MINIMUM COVER AND CLEARANCES SHOWN, USE TABLE 1.A FOR LAP SPLICE LENGTHS.

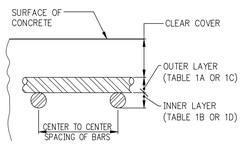


TABLE #2:
TENSION DEVELOPMENT LENGTHS (Ld) (IN INCHES)

TABLE 2.A: ¾" COVER TO OUTER LAYER BARS
OUTER LAYER DEVELOPMENT LENGTHS

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000*
#3	12	12	12	12	12	12	12	12
#4	16	14	13	12	12	12	12	12
#5	24	21	19	17	16	15	14	13
#6	33	28	25	23	22	20	19	18
#7	53	46	41	37	35	32	31	29
#8	66	57	51	46	43	40	38	36
#9	79	69	61	56	52	49	46	43
#10	93	81	72	66	61	57	54	51
#11	108	94	84	76	71	66	62	59

TABLE 2.C: 1½" COVER TO OUTER LAYER BARS
OUTER LAYER DEVELOPMENT LENGTHS

NOTE: USE TABLE 2.A IF BAR SPACING IS LESS THAN 4" O.C. UP TO #8, 5" O.C. FOR #9, #10, #11

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000*
#3	12	12	12	12	12	12	12	12
#4	13	12	12	12	12	12	12	12
#5	16	14	13	13	13	13	13	13
#6	20	17	15	15	15	15	15	15
#7	32	28	25	23	21	20	19	18
#8	41	36	32	29	27	25	24	23
#9	50	44	39	36	33	31	29	28
#10	60	52	47	43	40	37	35	33
#11	71	61	55	50	46	43	41	39

TABLE 2.B: ¾" COVER TO OUTER LAYER BARS
INNER LAYER DEVELOPMENT LENGTHS

NOTE: USE TABLE 2.A IF BAR SPACING IS LESS THAN 4" O.C. UP TO #8, 5" O.C. FOR #9, #10, #11

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000*
#3	12	12	12	12	12	12	12	12
#4	13	12	12	12	12	12	12	12
#5	16	14	13	13	13	13	13	13
#6	23	20	18	16	15	15	15	15
#7	37	32	29	26	24	23	22	20
#8	47	41	36	33	31	29	27	26
#9	57	50	44	41	38	35	33	31
#10	68	59	53	48	45	42	40	38
#11	80	69	62	57	52	49	46	44

TABLE 2.D: 1½" COVER TO OUTER LAYER BARS
INNER LAYER DEVELOPMENT LENGTHS

NOTE: USE TABLE 2.A IF BAR SPACING IS LESS THAN 5" O.C. UP TO #8, 6" O.C. FOR #9, #10, #11

BAR \ f'c	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000*
#3	12	12	12	12	12	12	12	12
#4	13	12	12	12	12	12	12	12
#5	16	14	13	13	13	13	13	13
#6	20	17	15	15	15	15	15	15
#7	29	25	22	20	19	18	18	18
#8	33	28	25	23	22	20	20	20
#9	41	35	31	29	27	25	23	23
#10	49	42	38	35	32	30	28	27
#11	58	50	45	41	38	35	33	32

NOTES FOR TENSION DEVELOPMENT LENGTHS (Ld)

1. REINFORCEMENT IS UNCOATED, WITH Fy=60,000 PSI.
2. CONCRETE IS NORMAL WEIGHT (144–150#/C.F.).
3. "TOP"' REINFORCEMENT:
   a. WHERE HORIZONTAL REINFORCEMENT IS PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE DEVELOPMENT LENGTH, TABULATED LENGTHS MUST BE MULTIPLIED BY 1.3.
   b. SUCH LOCATIONS INCLUDE, BUT ARE NOT LIMITED TO, BEAMS, SLABS, FOOTINGS, MATS, AND WALLS.
   c. WALL HORIZONTAL REINFORCEMENT INCLUDE BARS EACH FACE , ADDED BARS, CORNER BARS, "U" BARS, ETC.
   d. "FRESH" CONCRETE INCLUDES ALL CONCRETE CAST BELOW "TOP" REINFORCEMENT WITHIN PERIOD OF TWO HOURS.
4. TABULATED LENGTHS MUST BE MULTIPLIED BY THE FOLLOWING MODIFICATION FACTORS:
   a. LIGHTWEIGHT CONCRETE 1.3
   b. EPOXY–COATED BARS:
      1.) BARS WITH COVER < 3db, OR WITH CLEAR SPACING < 6db ...1.5*
      2.) ALL OTHER CONDITIONS 1.2
   * FOR EPOXY–COATED 'TOP' BARS THE MAXIMUM FOR COMBINED FACTORS = 1.7
5. WHERE TENSION DEVELOPMENT LENGTH (Ld) IS REQUIRED ON PLANS OR IN DETAILS, SEE TENSION DEVELOPMENT LENGTH TABLES.
6. CLASS A LAP SPLICE LENGTHS (AS DEFINED BY AC1) ARE EQUAL TO TENSION DEVELOPMENT LENGTHS. SEE TABLES FOR TENSION DEVELOPMENT LENGTHS (Ld). APPLY APPROPRIATE MODIFICATION FACTORS TO CLASS A SPLICE LENGTHS.

TABLE #3
TENSION DEVELOPMENT LENGTHS FOR STANDARD END HOOKS (ldh)
(LENGTHS IN INCHES)

BAR SIZE	CONCRETE STRENGTH (PSI) 3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000*
#3	9	7	7	6	6	6	6	6
#4	11	10	9	8	7	7	7	6
#5	14	12	11	10	9	9	8	8
#6	17	15	13	12	11	10	10	9
#7	19	17	15	14	13	12	11	11
#8	22	19	17	16	15	14	13	12
#9	25	22	19	18	16	15	15	14
#10	28	24	22	20	19	17	16	16
#11	31	27	24	22	21	19	18	17
#14	37	32	29	27	25	23	22	21
#18	50	43	39	35	33	31	29	27

NOTES:

1. TABLE #3 CONFORMS TO ACI 318–2002 (AND 2005). TABULATED VALUES ARE BASED UPON ACI 12.5.2 , ASSUMING GRADE 60 REINFORCEMENT AND NORMALWEIGHT CONCRETE.
2. PER ACI 12.5.3 (a), FOR #11 AND SMALLER BARS, IF COVER TO BAR IS 2½ INCHES OR MORE, AND FOR 90 DEGREE HOOK WITH COVER ON BAR EXTENSION BEYOND HOOK NOT LESS THAN 2 INCHES, A MODIFICATION FACTOR OF 0.7 MAY BE APPLIED. MINIMUM ldh SHALL NOT BE LESS THAN 8db NOR 6 INCHES.

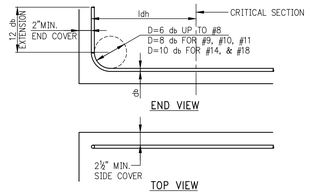


TABLE #4
COMPRESSION LAP SPLICES
(LENGTHS IN INCHES)

BAR SIZE	GRADE OF REINFORCEMENT 60 KSI (30 DIA.)	75 KSI (44 DIA.)	80 KSI (48 DIA.)
#3	12	17	18
#4	15	22	24
#5	19	28	30
#6	23	33	36
#7	27	39	42
#8	30	44	48
#9	34	50	54
#10	38	56	61
#11	43	62	68
#14 AND #18	1. LAP SPLICES ARE NOT PERMITTED. USE MECHANICAL CONNECTIONS OR WELDED SPLICES FOR #14 AND #18, PER ACI 318 (12.14.3). 2. LAP SPLICES OF #14 AND #18 BARS TO #11 AND SMALLER BARS ARE PERMITTED PER ACI 318 (12.16.2).		

3. FOR BARS OF DIFFERENT SIZE, USE LARGER OF: SPLICE LENGTH OF SMALLER BAR (TABLE #4) OR DEVELOPMENT LENGTH OF LARGER BAR (FROM TABLE #5) PER ACI 318 (12.16.2).

NOTE:

TABLE #4 APPLIES FOR NORMALWEIGHT CONCRETE WITH f'c = 3,000 PSI OR GREATER.

TABLE #5
DEVELOPMENT LENGTHS FOR BARS IN COMPRESSION
(LENGTHS IN INCHES)

BAR SIZE	fy = 60,000 PSI CONC. f'c (IN PSI) 3,000	4,000	5,000 OR MORE	fy = 75,000 PSI CONC. f'c (IN PSI) 3,000	4,000	5,000 OR MORE	fy = 80,000 PSI CONC. f'c (IN PSI) 3,000	4,000	5,000 OR MORE
#3	12	12	12	12	12	12	12	12	12
#4	12	12	12	14	12	12	15	13	12
#5	14	12	12	17	15	14	18	16	15
#6	17	15	14	21	18	17	22	19	18
#7	19	17	16	24	21	20	26	22	21
#8	22	19	18	28	24	23	29	25	24
#9	25	22	21	31	27	25	33	28	27
#10	28	24	23	34	30	28	36	31	30
#11	31	27	26	38	33	31	40	34	33
#14	37	32	31	48	42	39	51	44	42
#18	50	43	41	62	54	51	65	56	54

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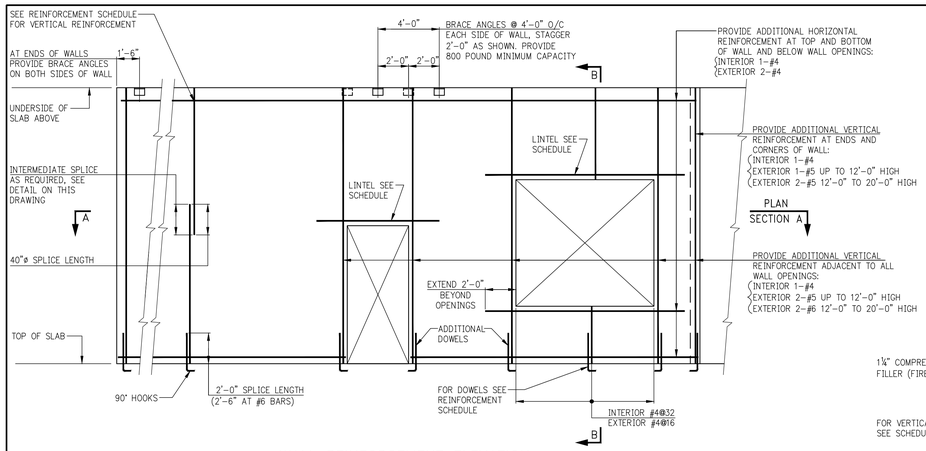
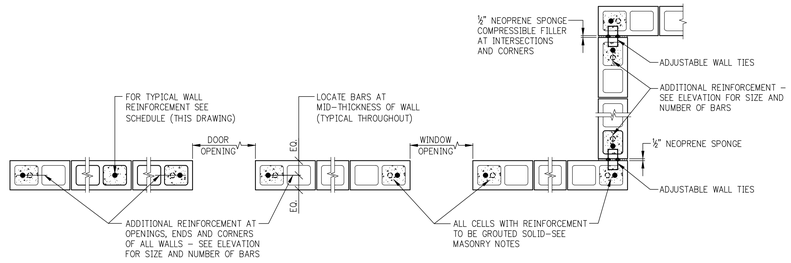


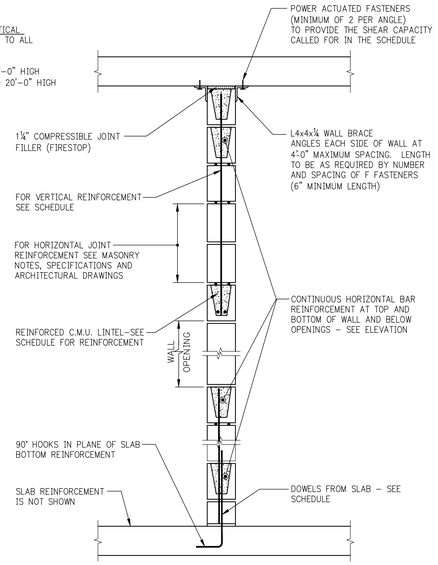
WALL REINFORCEMENT ELEVATION

NOTES:
1. ABOVE DETAIL APPLIES TO ALL MASONRY (C.M.U.) WALLS.
2. FOR MULTIWYTHE EXTERIOR WALLS ABOVE DETAIL APPLIES TO C.M.U. BACKUP WALL ONLY. SEE SECTION BELOW FOR ADDITIONAL INFORMATION

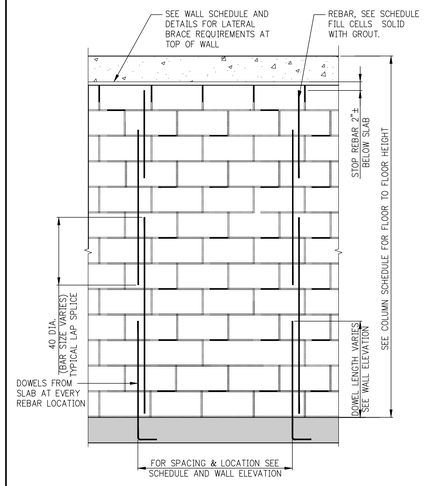


PLAN SECTION A

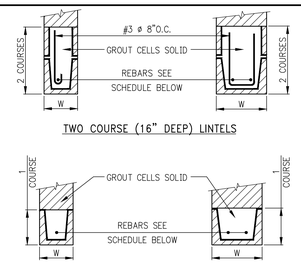
(FOR DOWELS SEE ELEVATION)



SECTION B



SPLICE LENGTH OF REBAR IN CMU WALL



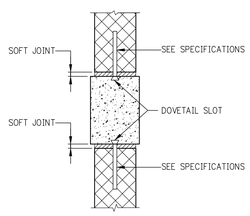
NOTES:
1. PROVIDE BLOCK LINTELS FOR ALL OPENINGS IN INTERIOR BLOCK PARTITIONS, AND EXTERIOR WALLS FOR WHICH STEEL LINTELS ARE NOT SHOWN. REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS. PROVIDE 8" MINIMUM BEARING AT EACH END.
2. W AS PER TABLE (FIRST DIMENSION).
3. GROUT SHALL BE FINE ONLY.

TYPE OF LOADING *	LINTEL SECTION NOMINAL SIZE (IN.)	REQUIRED REINFORCEMENT								
		CLEAR SPAN								
		3'-4"	4'-0"	4'-8"	5'-4"	6'-0"	6'-8"	7'-4"	8'-0"	10'-0"
WALL LOADS	6x8	1-#4	1-#4	1-#4	2-#4	2-#5	–	–	–	–
	6x16	–	–	–	–	2-#4	2-#4	2-#4	2-#4	2-#5
FLOOR & ROOF LOADS	6x16	1-#4	1-#4	1-#4	1-#5	2-#4	2-#4	2-#5	2-#5	2-#6
WALL LOADS	8x8	1-#4	2-#4	2-#4	2-#4	2-#4	2-#5	2-#6	–	–
	8x16	–	–	–	–	–	–	2-#5	2-#5	2-#6
FLOOR & ROOF LOADS	8x8	2-#4	–	–	–	–	–	–	–	–
	8x16	2-#4	2-#4	2-#4	2-#4	2-#4	2-#4	2-#5	2-#5	2-#6

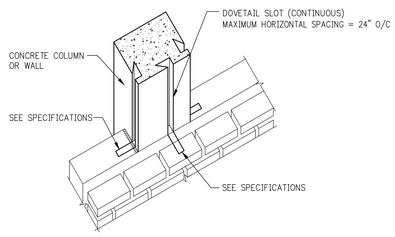
(*) INCLUDES WEIGHT OF LINTEL

NOTES:
1. WALL LOADS ASSUMED 300lbs. PER LINEAR FOOT.
2. FLOOR & ROOF LOADS INCLUDING WALL LOADS ASSUMED 1000lbs. PER LINEAR FOOT.
3. 8" LINTELS ASSUMED TO WEIGH 50#/FT.
4. 16" LINTELS ASSUMED TO WEIGH 100#/FT.
5. IF ACTUAL LOADS EXCEED THOSE ASSUMED, CONTRACTOR IS TO OBTAIN DIRECTION FROM THE ENGINEER.
6. FOR LINTELS OVER 10'-0" LONG, CONTRACTOR IS TO OBTAIN DIRECTION FROM THE ENGINEER.

REINFORCED BLOCK LINTEL



PART PLAN AT INTERIOR COLUMN SHOWING PARTITION ANCHORAGE



ISOMETRIC SHOWING DOVETAIL SLOT ANCHORS IN CONCRETE COLUMN OR WALL

C.M.U. WALL REINFORCEMENT SCHEDULE (AND LATERAL BRACING LOAD AT TOP)

LOCATION AND HEIGHT OF WALL	MINIMUM BLOCK THICKNESS	VERTICAL REINFORCEMENT	DOWELS FROM SLAB	LATERAL BRACING FORCE (TOP) #/FOOT	REMARKS
INTERIOR UP TO 10'-0"	4"	#4@8'-0"	#4@8'-0"		
INTERIOR 10'-1" TO 16'-0"	6"	#4@48	#4@48		
INTERIOR 16'-1" TO 20'-0"	8"	#4@48	#4@48		
EXTERIOR UP TO 8'-0"	4"	#4@32	#4@16		
EXTERIOR 8'-1" TO 10'-0"	6"	#4@32	#4@16		
EXTERIOR 10'-1" TO 12'-0"	8"	#4@32	#4@16		
EXTERIOR 12'-1" TO 16'-0"	8"	#4@16	#5@16		
EXTERIOR 16'-1" TO 20'-0"	12"	#4@16	#5@16		
EXTERIOR CANTILEVER (PARAPET, ETC.) UP TO 8'-0"	8"	#4@16	#5@16		

LOOSE LINTEL SCHEDULE

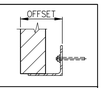
(ANGLES OR W-SHAPE PLUS PLATE)

MASONRY OPENING	ANGLE SIZE PER EACH 4" WIDTH OF MASONRY (OR W + PL)	ANGLE SIZE FOR 6" WIDTH OF MASONRY
UP TO 5'-0"	L3½ x 3½ x 5/16	L6 x 4 x ⅜
5'-1" TO 8'-0"	L6 x 3½ x 5/16	L6 x 4 x ½
8'-1" TO 10'-8"	L6 x 3½ x ⅜	–
10'-9" TO 14'-0"	W8x15 + BOTTOM PL ⅜ x 7 (WELD PLATE TO BOTTOM FLANGE)	–

NOTES:
1. ANGLE LENGTH = MASONRY OPENING PLUS 1'-0" (6" BEARING AT EACH END).
2. ANGLE LONG LEG IS VERTICAL.
3. W8 + PL TO BE USED AT 8" WIDE WALL ONLY.
4. PROVIDE FIREPROOFING ON LINTELS FOR MASONRY OPENINGS GREATER THAN 4'-0", AS REQUIRED BY CODE.
5. JOINTS SHALL NOT BE LOCATED OVER THE MASONRY OPENING.

SCHEDULE OF BRICK RELIEVING ANGLES FOR VARYING OFFSETS

(OUTSIDE FACE OF BRICK TO FACE OF SUPPORT)



OFFSET DIMENSION	RELIEVING ANGLE SIZE	H & B LW-340 INSERT SPACING VS. BRICK HEIGHT		REMARKS
		BRICK HEIGHT (FL-FL TYPICAL)	INSERT SPACING	
5 IN	L6 x 4 x 5/16 LLV	UP TO 12F	32" O/C	
		12F TO 16F	24" O/C	
6 IN	L5 x 5 x 5/16	UP TO 12F	32" O/C	
		12F TO 16F	24" O/C	
7 IN	L6 x 6 x ⅜	UP TO 12F	32" O/C	
		12F TO 16F	24" O/C	
8 IN	L8* x 6 x 7/16 LLH	UP TO 12F	32" O/C	*TRIM 1" FROM 8" LEG
		12F TO 16F	24" O/C	

NOTES:
1. ALL BOLTS ¾" DIAMETER.
2. ALL ANGLES TO BE A36, ANGLES, BOLTS AND SHIMS TO BE GALVANIZED.

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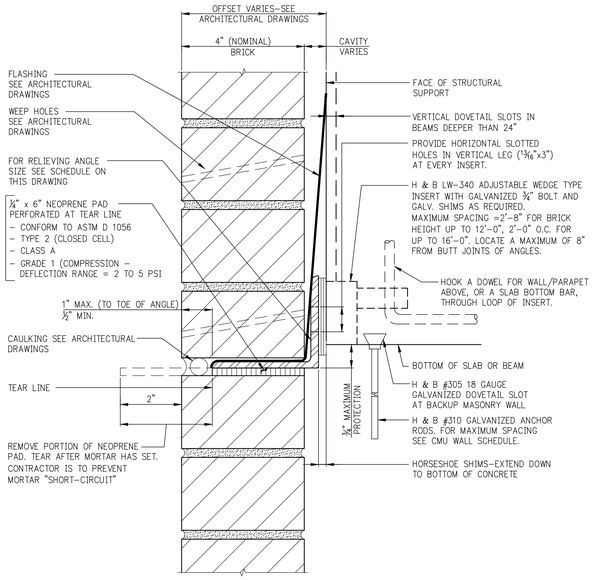
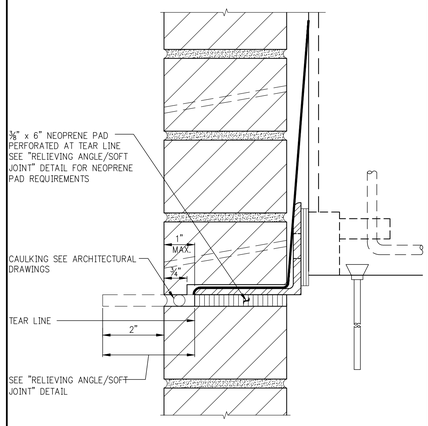


RELIEVING ANGLE/SOFT JOINT

NOTES:

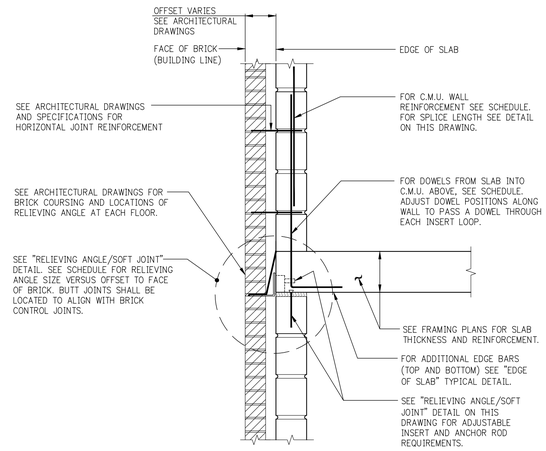
1. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND FURTHER MASONRY REQUIREMENTS.
2. PROVIDE AT EVERY FLOOR AND AT INTERMEDIATE LEVELS.
3. "H&B" REPRESENTS HOHMANN & BARNARD INC. OR APPROVED EQUAL.



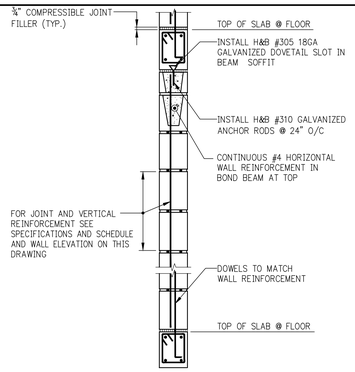
SOFT JOINT WITH LIP BRICK

NOTE:

FOR ALL DETAILS OTHER THAN LIP BRICK AND NEOPRENE PAD, SEE "RELIEVING ANGLE/SOFT JOINT" DETAIL ON THIS DRAWING.



SLAB EDGE AT BRICK CAVITY WALL



WALL ANCHORAGE AT BEAMS BETWEEN SCISSOR STAIRS

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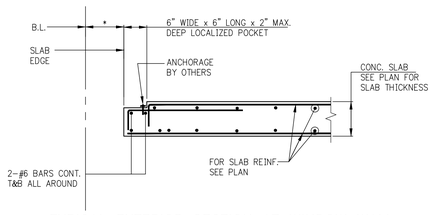
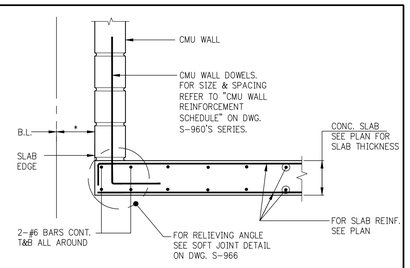


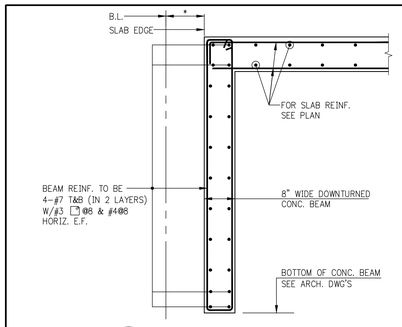
TYPICAL EXTERIOR SECTION AT WINDOW WALL



TYPICAL SECTION AT CMU WALL

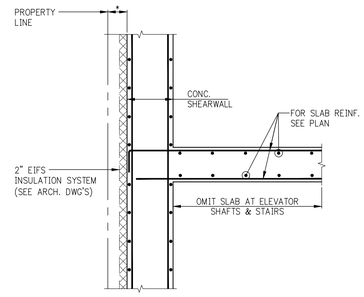
1 / S-970 SECTION
SCALE: ¾"=1'-0"

NOTES:
1. SPLICE TOP BARS AT MIDSPAN
   SPLICE BOTTOM BARS AT COLUMN
2. * INDICATES SEE ARCH. DWGS.
3. FOR LOCATION OF APPLICABLE SECTIONS SEE ARCH. DWGS.
4. FOR BRICK WALL & RELIEVING ANGLE DETAILS REFER TO DRAWING S-966.



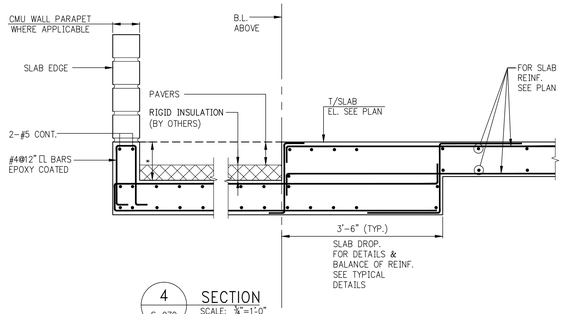
2 / S-970 SECTION
SCALE: ¾"=1'-0"

NOTES:
1. SPLICE TOP BARS AT MIDSPAN
   SPLICE BOTTOM BARS AT COLUMN
2. * INDICATES SEE ARCH. DWGS.
3. FOR LOCATION OF APPLICABLE SECTIONS SEE ARCH. DWGS.



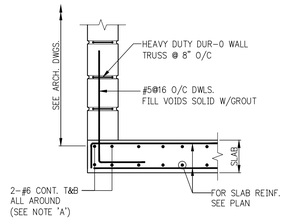
3 / S-970 SECTION
SCALE: ¾"=1'-0"

NOTES:
1. SPLICE TOP BARS AT MIDSPAN
   SPLICE BOTTOM BARS AT COLUMN
2. * INDICATES SEE ARCH. DWGS.
3. FOR LOCATION OF APPLICABLE SECTIONS SEE ARCH. DWGS.



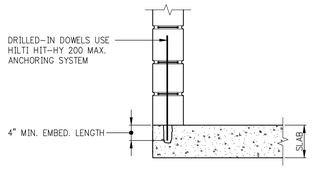
4 / S-970 SECTION
SCALE: ¾"=1'-0"

NOTES:
1. SPLICE TOP BARS AT MID-SPAN.
   SPLICE BOTTOM BARS AT COLUMN.
2. * INDICATES SEE ARCH DWGS



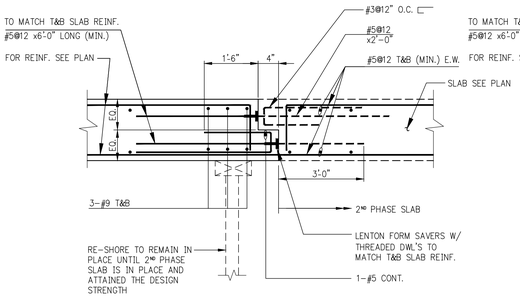
5 / S-970 SECTION
SCALE: ¾"=1'-0"

NOTE 'A':
SPLICE TOP BARS AT MIDSPAN.
SPLICE BOTTOM BARS AT COLUMNS.

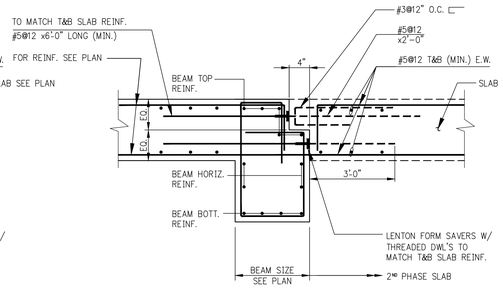


5 / S-970 SECTION (ALT.)
SCALE: ¾"=1'-0"

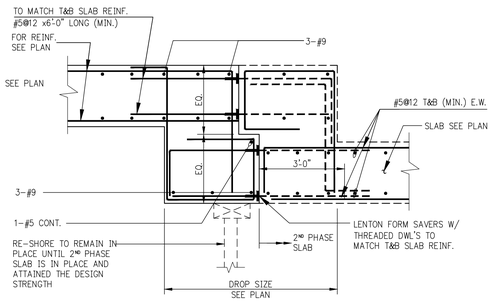
NOTES:
1. ALTERNATIVELY, CMU WALL DOWELS CAN BE DRILLED IN AFTER CONC. SLAB IS POURED. THIS DETAIL IS LIMITED TO CMU DOWELS AND CANNOT BE IMPLEMENTED WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.



TYPICAL DETAIL TEMPORARY SLAB OPENING



TYPICAL DETAIL TEMPORARY SLAB OPENING ALONG BEAM



TYPICAL DETAIL TEMPORARY SLAB OPENING ALONG FOLDED SLAB

6 / S-970 TYPICAL DETAIL TEMPORARY SLAB OPENING
SCALE: ¾"=1'-0"

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	01.19.15	100% CD ISSUE
	11.07.14	75% CD ISSUE
	08.15.14	50% CD ISSUE
	06.27.14	100% DD ISSUE

112 W 25TH ST HOTEL

112 West 25th Street
New York, New York 10001

Owner / Developer:
Lam Group
202 Centre Street, 6th Floor
New York, New York 10013

Structural Engineer
WSP
228 East 45th Street, 3rd Floor
New York, NY 10017

MEP Engineer
Edward & Zuck PC Consulting Engineers
315 Park Avenue South
New York, NY 10010

Interior Designer
Stonehill & Taylor
31 West 27th Street
New York, NY 10001

Elevator Consultant
Jenkins & Huntington Elevator Consultating
1251 Avenue of the Americas
New York, NY 10020

PROJ. NO.	1308890
ISSUE DATE	
SCALE	AS NOTED
DRAWN	
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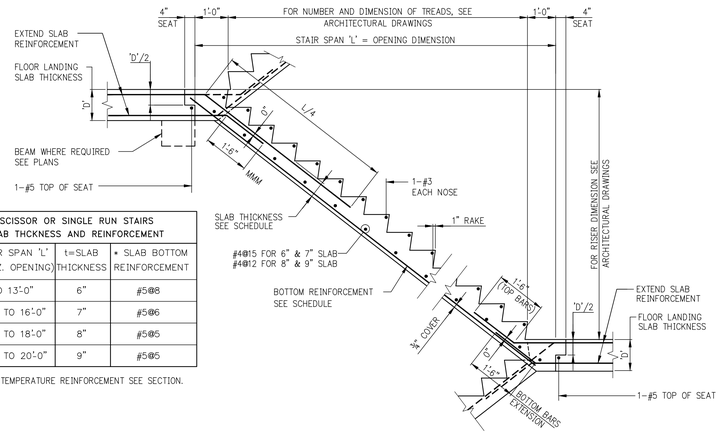
DWG. TITLE
SUPERSTRUCTURE SECTIONS

DWG. NO.
S-970.00

NYC DOB Number



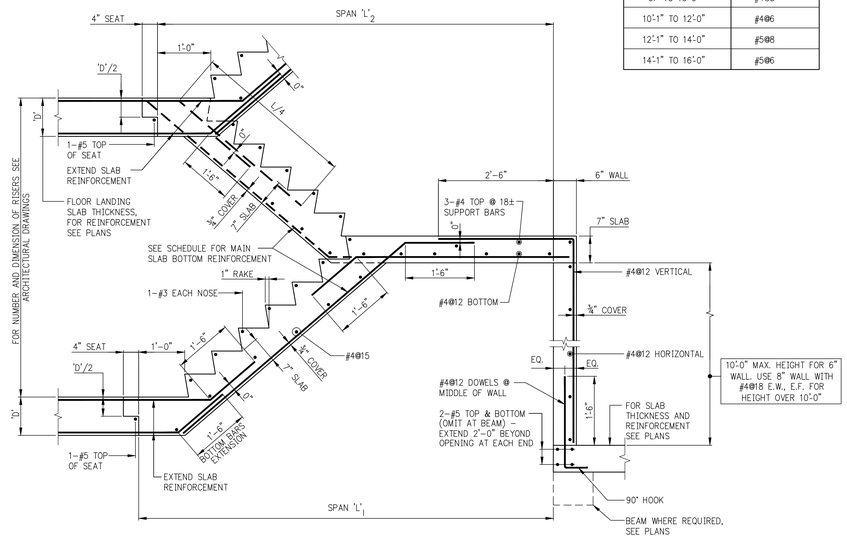
SCISSOR OR SINGLE RUN STAIRS SLAB THCKNESS AND REINFORCEMENT		
CLEAR SPAN 'L' (HORIZ. OPENING)	t=SLAB THICKNESS	* SLAB BOTTOM REINFORCEMENT
UP TO 13'-0"	6"	#5@8
13'-1" TO 16'-0"	7"	#5@6
16'-1" TO 18'-0"	8"	#5@5
18'-1" TO 20'-0"	9"	#5@5

* FOR TEMPERATURE REINFORCEMENT SEE SECTION.

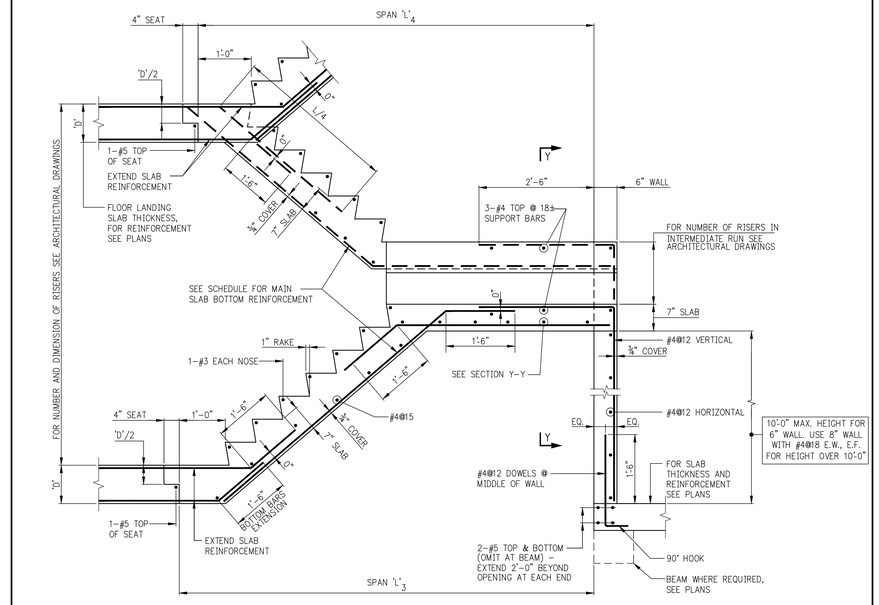
SCISSOR OR SINGLE RUN STAIR

FOR FLOOR REINFORCEMENT EXTENDED INTO STAIR SLAB, SEE FRAMING PLANS.

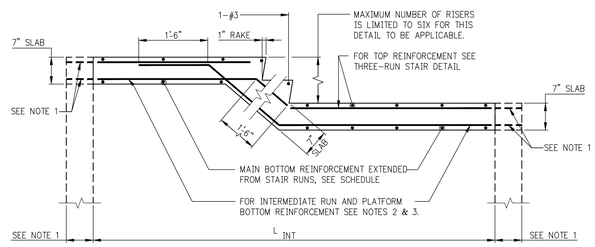
TWO-RUN OR THREE-RUN STAIRS REINFORCEMENT FOR SLAB 'T' = 7"	
CLEAR SPAN L_1, L_2, L_3, L_4 (HORIZONTAL OPENING)	SLAB MAIN BOTTOM REINFORCEMENT
UP TO 10'-0"	#4@8
10'-1" TO 12'-0"	#4@6
12'-1" TO 14'-0"	#5@8
14'-1" TO 16'-0"	#5@6



TWO-RUN STAIR



THREE-RUN STAIR

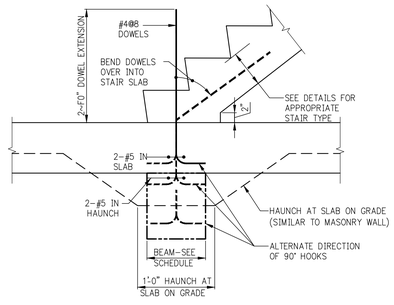


SECTION Y-Y

(AT THREE-RUN STAIR)

NOTES:

1. EXTEND SLAB AND REINFORCEMENT OVER SUPPORT WALLS WHERE WALLS ARE SHOWN ON PLANS.
2. WHERE L_{INT} IS NOT SUPPORTED AT ENDS, PROVIDE: #4@12 BOTTOM
3. WHERE L_{INT} IS SUPPORTED, PROVIDE: #4@8 FOR L_{INT} UP TO 10'-0", #4@6 FOR L_{INT} BETWEEN 10'-1" AND 12'-0". FOR L_{INT} SPANNING MORE THAN 12'-0", DESIGNER TO PROVIDE DETAILS.



BOTTOM OF STAIR-NO SLAB OPENING

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Jenkins & Huntington Elevator Consultating
1251 Avenue of the Americas
New York, NY 10020

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ISSUE DATE	
SCALE	N.T.S.
DRAWN	
CHECKED	

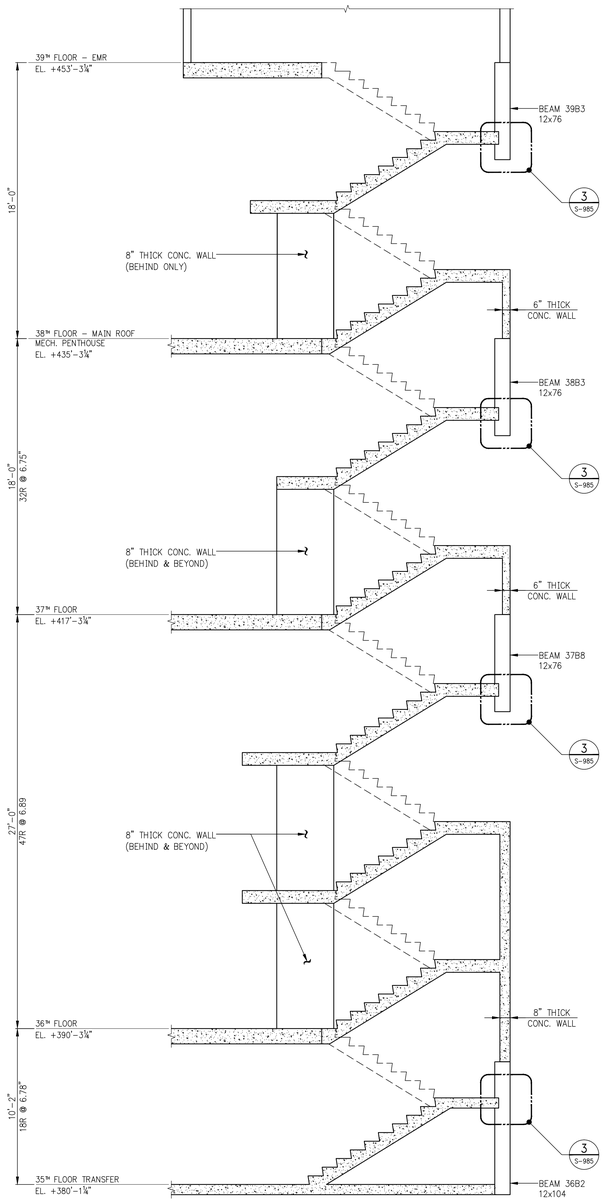
DWG. TITLE

TYPICAL STAIR DETAILS

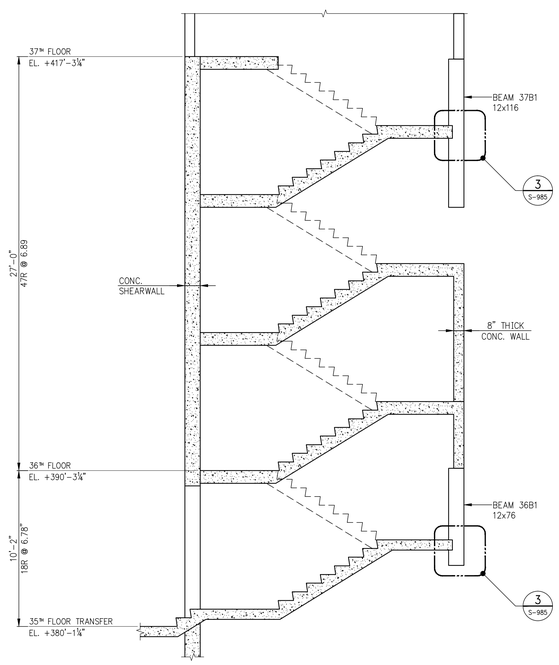
DWG. NO.

S-980.00

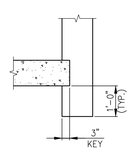
NYC DOB Number



1 S-985 STAIR A SCHEMATIC ELEVATION
SCALE: ¼"=1'-0"



2 S-985 STAIR B SCHEMATIC ELEVATION
SCALE: ¼"=1'-0"



3 S-985 DETAIL
SCALE: ½"=1'-0"

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PROJ. NO. 1308890
ISSUE DATE
SCALE N.T.S.
DRAWN
CHECKED

DWG. TITLE
STAIR A & B SCHEMATIC ELEVATION

DWG. NO.
S-985.00

NYC DOB Number

APPENDIX 3
July 2006 Phase I Environmental Site Assessment (ESA) (Merritt)

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

112-118 WEST 25TH STREET
AKA:113-117 WEST 24TH STREET
NEW YORK, NEW YORK 10001

PREPARED FOR

MEC PROJECT:

MEC

MERRITT ENGINEERING CONSULTANTS, P.C.
Environmental Engineering Asbestos Lead

28-08 Bayside Lane, Bayside, NY 11358
(718) 767-7997 Fax (718) 767-7796

ASTM :

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

Site Address

112-118 West 25th Street
AKA: 113-117 West 24th Street
New York, New York 10001

Prepared for

Prepared By

Merritt Engineering Consultants, P.C.
28-08 Bayside Lane
Bayside, New York 11358
(718) 767-7997
(718) 767-7796 Fax

MEC Project No	Project I
Inspection Date	June 20, 2006
Summary Date	June 23, 2006
Final Report Date	July 14, 2006

EXECUTIVE SUMMARY

Merritt Engineering Consultants, P.C., was retained by a Phase I Environmental Site Assessment (ESA) at 112-118 West 25th Street, AKA 113-117 West 24th Street, New York, New York 10001.

The on site investigation was conducted on June 20, 2006

Based on our site reconnaissance, database review and historical investigation, the following Recognized Environmental Conditions (RECs) were noted at the time of our inspection.

A Recognized Environmental Condition means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under compliance with laws.

	ITEM	APPROXIMATE COST	PAGE
1A	There appears to be eight (8) abandoned underground storage tanks (USTs) holding gasoline located under the basement floor. In addition, Sanborn Maps for the years 1930-1996 also identified eight (8) gasoline tanks buried on site. It is recommended that the owner supply documentation indicating proper abandonment of the tanks.	Cost not determined	15
1B	Should no documentation be available, it is recommended that a Phase II investigation, including soil borings and a ground penetrating radar (GPR) scan be conducted to determine if any buried tanks or sub-surface contamination is present.	$10,000-$15,000	15
2A	Provide documentation for abandoned hydraulic lift on site.	Cost not determined	14
2B	Should no documentation be available, soil borings should be conducted around the area of the lift to determine if any sub surface contamination is present.	$1,500-$2,500	14

The following de minimis conditions were noted but are not considered Recognized Environmental Conditions (RECs).

A de minimis condition is one that generally does not present a material risk of harm to public health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies (excluding local asbestos & lead situations).

	ITEM	APPROXIMATE COST	PAGE
1	Further evaluation of abandoned boiler room located in the West 25th Street sidewalk vault. There as no access at the time of the inspection.	$250 Re-inspection Fee	14

No Historical Recognized Environmental Conditions (HRECs) were reported. In addition no evidence of HRECs were observed during our on-site inspection/ identified in our database search/historical review.

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2) INTRODUCTION

2.1 PURPOSE

The report was prepared by Merritt Engineering Consultants, P.C., whose purpose is to provide comprehensive Phase I Environmental Site Assessments (ESA) in accordance with American Society of Testing Materials (ASTM E 1527-00) standards for a Phase I Environmental Site Assessment. The survey personnel are trained in the field of Environmental Site inspections as Certified Environmental Specialist (CES) by the Environmental Assessment Association as well as asbestos investigators by the Federal Environmental Protection Agency and NY State

2.2 DETAILED SCOPE OF SERVICES

For the Phase I Environmental Site Assessment (ESA), Merritt Engineering Consultants (MEC) performed the following primary tasks:

1. *Physical site inspection by Merritt Engineering Consultants Certified Environmental Specialists (CES) who traversed the interior and exterior areas of the site by foot, in addition to conducting a review of adjacent areas and their exteriors.*
2. *Investigations of historical usage of site based upon:*
   a. *Interview of persons knowledgeable about the sites current and past usage.*
   b. *Review of Sanborn Fire Insurance Maps and/or a review of Local Building Department records and/or Aerial Photographs.*
3. *Review of USGS geologic and 7.5 Minute Topographical Maps.*
4. *Review of the federal and state environmental databases as per ASTM E1527-00 guidelines, as well as a review of pertinent information provided by local government records.*
5. *Limited survey of site for the presence of electrical transformers that may contain Poly-chlorinated biphenyl (PCBs)*
6. *Limited survey for the presence of friable asbestos containing material (ACM).*
7. *Limited survey of site for the presence of lead based paint surfaces within common areas.*
8. *Inspection of water supply, gas supply, garbage disposal practices, groundwater flow, storm and sanitary discharge methods.*
9. *Review of Radon averages.*
10. *Inspection for petroleum storage tanks, above and below grade, stored on site.*
11. *Review of report by a senior certified environmental specialist (CES).*

The following services are not included as part of this Phase I Assessment:

- Lead Based Paint Testing
- Soil Borings
- Testing of Water Main
- Wetlands Evaluation
- ACP-5 Asbestos Report
- High Voltage Power Lines
- Indoor Air Quality
- Radon Testing
- Non-friable Asbestos Testing
- Evaluation of Fluorescent light fixtures that may contain PCBs
- Endangered Species
- Ecological Resources
- Health & Safety
- Industrial Hygiene
- Cultural & Historical Risk
- Regulatory Compliance
- Testing for Mold Spores

2.3 SIGNIFICANT ASSUMPTIONS

Information and records provided by the client and outside vendors retained by Merritt Engineering Consultants are assumed to be correct and complete.

2.4 LIMITATIONS AND EXCEPTIONS

The contents of this report are correct to our knowledge and belief. This report and conclusions stated herein are, however, limited to actual knowledge based upon a visual inspection of the Property, the examination of readily available public records concerning the current and prior use of the Property, and interviews with individuals knowledgeable about present and past property uses.

Merritt Engineering Consultants, P.C., has performed this Phase I Environmental Site Assessment (ESA) of the Property in accordance with the detailed scope of work in section 2.2.

Merritt Engineering Consultants, P.C., cannot guarantee that the Property is completely free of hazardous substances or other materials or conditions that could subject the Client to potential liability. The presence or absence of any such condition can only be confirmed through the collection and analysis of soil and groundwater samples, as well as through testing building materials that may contain asbestos or lead paint. This is beyond the scope of the investigation.

Merritt Engineering Consultants, P.C., has no interest other than professional in this Assessment and neither its performance, nor compensation for same, is contingent upon the findings and recommendations that are represented herein.

2.5 SPECIAL TERMS AND CONDITIONS

There are no special terms or conditions to the content of the report that are in addition to the scope outlined in Section 2.2.

2.6 RELIANCE

This Phase I Assessment was performed at the client's request utilizing methods and procedures that are consistent with acceptable professional standards ASTM-E1527-00.

The report has been prepared for the sole use of MEC's client. No other party may use the report without the written authority of MEC.

3) SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The property address is 112-118 West 25th Street, AKA 113-117 West 24th Street The legal site address is Block 800, Lot 49. The site is located in the Flatiron section of Manhattan.

3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The current site is situated on a plot size 16,875 square feet.

The weather conditions during our on site inspection consisted of sunny skies. The temperature was approximately 89°.

3.3 CURRENT USE OF THE PROPERTY

The current use of the site consists of 3-story commercial parking garage.

The site usage appears to remain similar, since the building's construction (parking garage).

None of the current tenants or their on site operations appear to pose an adverse environmental impact to the property or neighboring sites.

3.4 DESCRIPTIONS OF STRUCTURES, ROADS AND OTHER IMPROVEMENTS

The current site consists of a 3-story commercial parking garage holding 290 cars The site is located on a plot size approximately 16,875 square feet. There is a basement which houses the utilities. The heating system for this site is electric baseboard heaters located in the office area.

3.5 CURRENT USES OF THE ADJOINING PROPERTIES

North	Residential and Commercial Buildings
South	Residential and Commercial Buildings
East	Residential and Commercial Buildings
West	Residential and Commercial Buildings

The adjacent properties do not appear to pose an adverse environmental impact to the site.

4) USER PROVIDED INFORMATION

4.1 TITLE RECORDS

No title records were provided.

4.2 ENVIRONMENTAL LIENS

No environmental liens were indicated.

4.3 SPECIALIZED KNOWLEDGE

No information regarding specialized knowledge was provided.

4.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

No information regarding the valuation reduction for environmental issues was provided by the owner.

4.5 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

The current owner of the site is Edelman Family Limited Partnership

The current property manager is Mr. Irwin Rickman.

The current occupant is a commercial parking garage.

4.6 REASON FOR PERFORMING PHASE I

Merritt Engineering was retained to perform a Phase I Environmental Site Assessment (ESA) as an agent for Soho Properties.

4.7 OTHER/ADDITIONAL INFORMATION PROVIDED

No additional information was provided.

5) RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

The federal government and New York State have compiled database lists of contaminated, potentially hazardous and regulated sites that may impact the subject property. Environmental Data Resources (EDR) has provided this information to Merritt Engineering Consultants.

5.2 DATABASE SEARCHES

The following Federal and State databases were reviewed by Merritt Engineering Consultants on June 23, 2006, with the corresponding distance.

Database	Radius Searched
FEDERAL	
1. Federal National Priority List	1 Mile
2. Federal CERCLIS list	½ Mile
3. Federal RCRA TSD facilities list	½ Mile
4. Federal RCRA generators list	Site & Adjacent Properties
5. Federal ERNS list	Site
STATE	
1. State lists of Haz. Waste Sites	1 Mile
2. State landfill/solid waste site lists	½ Mile
3. State leaking UST lists (LUSTs)	½ Mile
4. State registered tanks	Site & Adjacent Properties

FINDINGS

The closest 100 sites have been included in Appendix A.

Due to the density of the area, several of the site printouts have been omitted from the report.

National Priorities List (NPL) - list compiled by EPA pursuant to CERCLA 42 USC 9605(a)(8)(B) of properties with the highest priority for cleanup pursuant to EPA's Hazard Ranking System.

Findings: No sites located within a 1-mile radius. **(See State Hazardous Waste Sites Maps)**

Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) - the list of sites compiled by EPA that EPA has investigated or is currently investigating for potential hazardous substance contamination for possible inclusion on the National Priorities List

Findings: No sites located within a ½-mile radius.

Resource Conservation Recovery Act (RCRA) Treatment Storage Disposal (TSD) facilities - those facilities on which treatment storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA. Inclusion on the RCRA TSD list does not imply contamination has occurred at the site

Findings: No sites located within a ½-mile radius.

Resource Conservation Recovery Act (RCRA) generators list - list kept by EPA of those persons or entities that generate hazardous wastes as defined and regulated by RCRA. Inclusion on the RCRA list does not imply contamination has occurred at the site.

Findings: No generators listed at property.
107 generators listed within a ¼-mile radius.

Emergency Response Notification System (ERNS) list - list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR Parts 302 & 355.

Findings: Site not listed.

Department of Environmental Conservation (DEC) lists the contaminated sites throughout the State and classifies the degree of contamination. Number 1 being highly contaminated; number 5 being the least hazardous to the public.

code:

1. Causing or presenting an immunent danger of causing irreversible or irreparable damage to the public health or environment - immediate action required;

2. Significant threat to the public health or environment - action required;

2a. Temporary classification assigned to sites that have inadequate and/or insufficient data for inclusion in any of the other classifications.

3. Does not present a significant threat to the public health or the environment - action may be deferred;

4. Site is properly closed - requires continued management;

5. Site is properly closed, no evidence of present or potential adverse impact - no further action is required.

Findings: No sites located within a 1-mile radius. **(See State Hazardous Waste Maps)**

Solid Waste Disposal Site - any place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term landfill and is also known as a garbage dump, trash dump or by similar terms.

Findings: No sites located within a ½-mile radius.

Spill Logs/LUST list - New York Department of Environmental Conservation (NYDEC) has a computerized list of spills that have occurred as of 1986, including the present status of the sites. In addition, the leaking underground storage tank (LUST) database was also reviewed for reported incidents in the area.

Findings: 130 LUSTs located within a ½-mile radius.

55 NY Spills located within a 1/8-mile radius.

The closest sites are.

1) 133 West 25th Street Spill # 0101259 Spill date: 05/02/01 Close date: 06/19/01	2) 127-131 West 170th Street LUST # 9414568 Spill date: 02/04/95 Close date: 02/07/95

Since the spills have been closed by the New York State Department of Environmental Conservation (NYSDEC), they do not appear to adversely affect the subject site

State registered tanks - state lists of storage tanks required to be registered under Subtitle I. Section 9002 of RCRA.

Findings: No registered tanks located on site.
293 registered tank sites located within a 1/8-mile radius.

ECOLOGICAL SENSITIVE AREA

Based on information provided by Environmental Data Resources (EDR), no designated wetlands or flood plains are located in the immediate vicinity of the property.

5.3 DATABASE SITE MAPS

A map provided by Merritt Engineering Consultants indicating the property and surrounding 1-mile radius has been included in Appendix A. The map denotes any National Priority Listed Sites (NPL) and State Hazardous Waste Sites (SHWS) sites within the ASTM radius of 1 mile.

5.4 ORPHAN SITES

Our database review indicated several sites that cannot be positively plotted (orphan sites). A total of 48 sites were classified as orphans.

The subject site does not appear on the orphan list.

5.5 LOCAL AGENCY REVIEW

We have researched the New York City Health & Fire Department records for any information of hazardous operations including, past spills, leaks or violations. The information provided indicated several fire department violations which do not appear to impact the scope of this assessment.

5.6 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

No additional environmental records were researched.

None of the sites on the database or local agency review provided appear to impact the scope of this assessment.

5.7 PHYSICAL SETTING SOURCES

5.8 BODIES OF WATER

The nearest body of water to the subject site is the Hudson River, which is approximately ¼ mile west of the site.

5.9 GROUND WATER FLOW

Through information provided by EDR, hydrological data involving ground water flow has been obtained. Based on our findings, the hydrological groundwater flows in a westerly direction eventually emptying into the Hudson River.

Groundwater in this area is at a depth of approximately 37 feet.

Drinking water for the five boroughs has been supplied by the New York reservoir system for many years (See Map in Appendix A). Groundwater is not a primary source of drinking water for Manhattan. The property is not within a public potable well field protection area and is, therefore, not subject to land use restrictions for such areas.

5.10 SITE GEOLOGY AND TOPOGRAPHY

Information pertaining to the hydrogeologic setting in the vicinity of the subject property was obtained from a review of selected published documents and maps. United States Geological Survey (USGS) 7.5-minute Topographic Maps were used to characterize surface topography, water table elevation and drainage. Subsurface characteristics were obtained from USGS Surficial and Bedrock Geology Maps from the lower Hudson Sheet

5.11 HISTORICAL USE INFORMATION ON THE PROPERTY

A. Sanborn Fire Insurance maps of the site and immediate area were available for the years 1890, 1899, 1911, 1930, 1950, 1976, 1979, 1980, 1982, 1985, 1987, 1988, 1991, 1992, 1993, 1994, 1995 and 1996. The maps indicate the following information:

   1911 Candy and Chocolate Factory
   1930-1996 Garage

   Sanborn Maps for the years 1930-1996 show that there are eight (8) 550 gallon gasoline tanks buried on site. Further evaluation is recommended.

B. Aerial Photographs of the site and immediate area were available for the years 1943, 1953, 1966, 1976, 1984 and 1995. The photos indicate the following information:

   This section of Manhattan has been developed with residential and commercial buildings from 1943 through the latest aerial photo available (1995).

5.12 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

The Sanborn Fire Insurance Maps and Aerial Photos reviewed by Merritt Engineering Consultants cover the adjoining properties on the north, south, east & west. No recognized environmental conditions were noted. (gas tanks, filling station etc.)

6) SITE RECONNAISSANCE

6.1 METHODOLOGY AND LIMITING CONDITIONS

At the time of our inspection, the following areas were accessed by Mr. John Perotti, of our staff: basement areas, roof top, utilities areas, basement elevator motor room, all upper floors and all accessible exterior areas of the site.

6.2 GENERAL SITE SETTING

South side of West 25th Street
Topography is hilly

6.3 EXTERIOR OBSERVATIONS

No potential environmental conditions such as, dead vegetation, gas/chemical spills or storage drums were observed throughout the exterior areas at the time of our inspection.

6.4 INTERIOR OBSERVATIONS

The interior inspection revealed no evidence of any on-site spillage or disposal of chemicals or other hazardous materials.

During our inspection of the basement area it appears there is an abandoned boiler room located in the West 25th Street sidewalk vault with no access.

Floor drains were noted at the time of our inspection of the basement area. No oil or chemical products were noted in or about the drains

No hydraulic equipment was observed on the subject property. The elevator is a hydraulic unit No oil staining or pooling was noted in the elevator motor room at the time of our inspection.

There is an abandoned hydraulic lift on site (See Photo Section). Further evaluation of the lifts and soil sampling around the area around the lift is recommended. If no proof of proper abandonment is available, due to the amount of cars parked in the area it is possible there are more lifts.

6.5 UNDERGROUND STORAGE TANKS (UST) AND DRUMS

Each year, thousands of petroleum leaks and spills are reported to the Department of Environmental Conservation (DEC) / Department of Environmental Protection (DEP). Thousands of others may go unreported mainly because they have not yet been discovered. These leaks can enter the ground, seep into an aquifer and contaminate a water supply. In some places, water wells have been closed down and people have had to vacate their homes. Even small amounts of petroleum in soil or groundwater can be tasted or smelled and can subsequently affect health.

Leaking petroleum storage tanks are a major source of groundwater contamination. The DEC/DEP estimates that there may be as many as 185,000 tanks storing petroleum, which are subject to state regulations. Many of these tanks are bare steel and were installed underground in the 1950's and 1960's. These tanks have weakened by rust and have a fifty percent chance of developing leaks.

FINDINGS

There appears to be eight (8) abandoned underground storage tanks (USTs) holding gasoline located under the basement floor. In addition, Sanborn Maps for the years 1930-1996 show that there are eight (8) gasoline tanks buried on site. It is recommended that the owner supply documentation indicating proper abandonment of the tanks.

Should no documentation be available, it is recommended that a Phase II investigation, including soil borings and a ground penetrating radar (GPR) scan be conducted to determine if any buried tanks or sub-surface contamination is present.

6.6 ABOVEGROUND STORAGE TANKS (AST)

No above ground storage tanks (AST's) or storage drums were observed in any of the accessible areas at the time of our inspection.

6.7 ASBESTOS

The EPA has identified over 3,000 products used in buildings containing asbestos fibers. Our inspection of the premises is to determine the presence of **friable asbestos**, as defined by the Federal Environmental Protection Agency as any material, which may be pulverized with hand pressure. This material has the potential to release asbestos fibers into the atmosphere and in turn may be hazardous to the building occupants' health.

We have not inspected for or included in our report any building materials, which may contain non-friable asbestos such as vinyl asbestos floor tiles, exterior asbestos shingles, asbestos roofing felts, etc. Many of these materials are still manufactured today and not considered hazardous unless the material is cut, sawed, or grounded in a manner that might release asbestos fibers into the atmosphere.

We have used the 4-category system as defined by Asbestos Hazardous Emergency Response Act (AHERA) to designate the different conditions of asbestos noted throughout the areas of the site.

1. *Good Condition*
   Material with no visible damage or deterioration to very limited damage or deterioration.

2. *Fair Condition*
   Material with one or more of the following characteristics:
   - *A few water stains or less than one tenth of insulation with missing jackets.*
   - *Crushed insulation or water stains, gouges, puncture or mars on up to one tenth of the insulation if the damage is evenly distributed (or up to one quarter if the damage is localized).*

3. *Poor Condition*
   Material with one or more of the following characteristics:
   - *Missing jackets on at least one tenth of the piping equipment.*
   - *Crushed or heavily gouged or punctured insulation on at least one tenth of pipe runs/risers, boiler, tank duct, etc., if the damage is evenly distributed (one quarter if the damage is localized).*

4. *Significantly Damaged*
   Thermal systems insulation on pipes, boilers, tanks, ducts, and other thermal system insulation equipment which the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, water-stained, gouged, punctured, missing, or not intact such that is not able to contain fibers. Damage may be further illustrated by occasional puncture, gouges, or other signs of physical injury to ACM; occasional water damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris, originating from the ACM in question may also indicate damage.

ASBESTOS FINDINGS

No friable asbestos containing material was observed in any of the accessible areas of the building.

Many buildings' fireproofing is concealed in a plenum above the ceiling. These areas were not accessible and, therefore, we are unable to determine the type of fireproofing for those areas above the first floor.

6.8 ELECTRICAL TRANSFORMERS (PCBs)

Transformers often contain Poly-chlorinated biphenyl (PCB) Askarel coolant liquid and are generally used in hazardous locations where flammability is of concern. PCB transformers are no longer produced because of EPA's ban on the manufacture of new equipment containing PCB's.

FINDINGS

No electrical transformers were observed on the property. Therefore, the release of toxic P.C.B. chemicals is not a concern.

Per to toxic substance contract act (TSCA) the transformer owner, i.e. Utility Company, is responsible for all transformers maintenance and all spills of PCB's from their transformers.

Fluorescent light fixtures were not inspected for PCB content under the scope of this assessment.

6.9 GARBAGE DISPOSAL

There are no active incinerators located on the property. The garbage to be disposed of is placed in portable cans with covers. These containers are picked up several times per week by private sanitation.

6.10 LEAD BASED PAINT

Lead-based paint (LBP) was used extensively in buildings and structures that were constructed prior to 1978 and can be hazardous when damaged (i.e., chipped, broken, crumbling, pulverized); lead is toxic to humans particularly to children, if ingested, inhaled, or otherwise absorbed. Exposure to lead can cause health problems in children ranging from damage to the brain and nervous system, behavioral and learning problems (such as hyperactivity), slowed growth, hearing problems and headaches. In adults the health problems can range from difficulties during pregnancy, other reproductive problems, high blood pressure, digestive problems, nerve disorders, memory and concentration problems and muscle and joint pain.

Our research indicates the building was constructed **prior to 1978**, and lead based paint is assumed to be present throughout the building.

FINDINGS

The painted surface in the common areas inspected by Merritt Engineering Consultant's staff did not demonstrate signs of peeling or cracking. No samples of the paint were analyzed since this is beyond the scope of a Phase 1 Environmental Assessment.

Research of the Housing Preservation and Development (HPD) Department records did not reveal any lead based paint violations against the subject site (See Appendix A)

In addition, the site is not used for residential purposes.

A lead based paint survey in accordance with The Housing & Urban Development (HUD) guidelines was not conducted under the scope of this assessment.

6.11 NATURAL GAS

There building does not utilize natural gas

6.12 RADON

Radon first gained national attention in early 1984, when extremely high levels of indoor radon were found in areas of Connecticut, Pennsylvania, New Jersey, and New York. Radon is a colorless, odorless radioactive gas Nearly one out of every 15 homes in the U.S. is estimated to have elevated annual average levels of indoor radon. EPA established a Radon Program in 1985 to assist States and homeowners in reducing their risk of lung cancer from indoor radon.

FINDINGS

The New York State Department of Health indicates the average radon level for this area of Manhattan to be 1.4 pico curies per liter (pCi/L), which is below the EPA action level of 4 pCi/L.

A radon canister was not initiated at the time of our inspection since this is beyond the scope of this assessment.

6.13 STORM AND SANITARY DISCHARGE

There are no cesspools or septic tanks located on the property. The sanitary system for this building consists of a combination storm and sanitary drainage system, which empties by gravity into the New York City sewer system located under West 24th and West 25th Street.

6.14 WATER SUPPLY

The U.S. Environmental Protection Agency estimates that drinking water can comprise 20% or more of a person's total exposure to lead. Although lead in drinking water is rarely the single cause of lead poisoning, it can significantly increase a person's total lead exposure. Infants who are fed baby formula or drinks mixed with hot water from the tap are the most vulnerable to lead in drinking water. Lead solder can leach into the water supply. Standing water in the piping system can aid in the leaching process.

The EPA action level for lead in drinking water is 15 parts per billion, (PPB).

A sample with lead levels that equal or exceed 15 PPB is considered to have elevated levels of lead, and it is recommended that response action be taken. This response action may include additional testing, replacement of plumbing components, or an operations and maintenance program.

FINDINGS

The water main enters the property from West 25th Street. The main is connected to water meters located in the basement. The domestic water is supplied by New York City through aqua-ducts from upstate reservoirs.

There are no private ground water wells servicing this property.

No testing of the water was conducted under this scope.

7) INTERVIEWS

7.1 INTERVIEW WITH OWNER

The owner was not present during our inspection.

7.2 INTERVIEW WITH SITE REPRESENTATIVE

During our on-site visit, we interviewed Mr. I[illegible]an, who is the garage manager and is associated with the site for 2 years.

Copies of the above records of communications are included in Appendices, Section 10.6.

7.3 INTERVIEWS WITH OCCUPANTS (TENANTS)

No other individuals were interviewed regarding the facility.

7.4 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

MEC has retained Express Research to provide local government agency information which includes the following.

New York City Health Department
New York City Fire Department
New York City Department of Housing Preservation and Development

Copies of the above records of communications are included in Appendices, Section 10.4

7.5 INTERVIEWS WITH OTHERS

No additional interviews were conducted as part of this assessment.

8) REPORT SUMMARY

Based on our site reconnaissance, database review and historical investigation, the following Recognized Environmental Conditions (RECs) were noted at the time of our inspection.

A Recognized Environmental Condition means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under compliance with laws.

	ITEM	APPROXIMATE COST	PAGE
1A	There appears to be eight (8) abandoned underground storage tanks (USTs) holding gasoline located under the basement floor. In addition, Sanborn Maps for the years 1930-1995 also identified eight (8) gasoline tanks buried on site. It is recommended that the owner supply documentation indicating proper abandonment of the tanks.	Cost not determined	15
1B	Should no documentation be available, it is recommended that a Phase II investigation, including soil borings and a ground penetrating radar (GPR) scan be conducted to determine if any buried tanks or sub-surface contamination is present.	[illegible]	15
2A	Provide documentation for abandoned hydraulic lift on site.	Cost not determined	14
2B	Should no documentation be available, soil borings should be conducted around the area of the lift to determine if any sub surface contamination is present.	$1,500-$2,500	14

The following de minimis conditions were noted but are not considered Recognized Environmental Conditions (RECs).

A de minimis condition is one that generally does not present a material risk of harm to public health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies (excluding local asbestos & lead situations).

	ITEM	APPROXIMATE COST	PAGE
1	Further evaluation of abandoned boiler room located in the West 25th Street sidewalk vault. There as no access at the time of the inspection.	$250 Re-inspection Fee	14

No Historical Recognized Environmental Conditions (HRECs) were reported. In addition no evidence of HRECs were observed during our on-site inspection/ identified in our database search/historical review.

8.2 CONCLUSION

Merritt Engineering Consultants has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E1527 of (112-118 West 25th Street, a/k/a: 113-117 West 24th Street, New York, New York 10001), the property. Any exceptions to, or deletions from, this practice are described in Section [2.2] of this report.

8.3 OPINIONS

Based on our site reconnaissance, database review, historical review and interviews with persons familiar with the subject site and adjacent properties, the above Recognized Environmental Conditions (RECs) and/or de minimis conditions were identified under the scope of services outlined in Section 2.2. Further investigation is recommended.

No Historical Recognized Environmental Conditions were indicated or discovered during our on site inspection / database review / Historical Research.

8.4 DEVIATIONS

The assessment was performed in accordance with the Phase I (ESA) detailed scope of services in section 2.2, and the requirements of the detailed scope of work were met.

8.5 ADDITIONAL SERVICES

No additional services were performed beyond the detailed scope of services in section 2.2.

8.6 REFERENCES

All references relied upon are located in Appendix A.

9) CONSULTANT INFORMATION

9.1 QUALIFICATIONS AND SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

See Appendix A

We thank you for allowing Merritt Engineering Consultants, P.C., to serve as your Environmental Consultant for this project.

Should you have any questions regarding the contents of this report, please feel free to contact us to discuss the report in further detail

Site Inspector:

John Perotti
Certified Environmental Specialist

Reviewed by:

Charles G. Merritt
Certified Environmental Specialist

Charles G Merritt
Environmental Assessment
#10770
Association
Certified Environmental Specialist

10) APPENDICES

10.1 Site Photographs
10.2 Site (Vicinity) Map
10.3 Hazardous Waste Site Map
10.4 Regulatory Records Documentation
10.5 Historical Research Documentation
10.6 Interview Documentation
10.7 Qualifications
10.8 Special Contractual Conditions between User and Environmental Professional (If Applicable)
10.9 Historical Recognized Environmental Condition (HREC) documentation provided (If Applicable)
10.10 Additional information obtained

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APPENDIX 4
August 2006 Environmental Subsurface Assessment (Don Carlo)

1225 Atlantic Avenue
Brooklyn, NY 11216
Tel: 718-857-3100
Fax: 718-857-2100

Environmental Subsurface Assessment Report

Prepared for:

112 West 25th Street,
New York, NY 10001

Prepared by:

Don Carlo Environmental Services, Inc.
1225 Atlantic Avenue
Brooklyn, NY 11216

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Site Description	3
Soil Sampling	4
Soil Analysis	4
Analytical Results	4
Conclusions	5
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Definitions	

Gen Carlo Environmental Services Inc.
1225 Atlantic Avenue
Brooklyn, NY 11216
Tel: 718-857-3100
Fax: 718-857-2100

Wednesday, August 16, 2006

Executive Summary

On August 7, 2006 DCES conducted an Environmental Subsurface Assessment (ESA) at **112 West 25th Street, New York, NY 10001.** All work was done at the request of Mr. Glen Edelman D.b.a. Edelman Family Limited Partnership.

DCES conducts their Environmental Subsurface Assessments (ESA) in accordance with recommendations of the ASTM Practice E1903 and NYSDEC SPCTS Memo 14.

Investigative activities were conducted for assessing the subsurface quality of the soils surrounding the eight (8) 550-gallon gasoline Underground Storage Tanks (USTs) at the subject property. The eight (8) 550-gallon USTs were previously abandoned in place with sand by others. The scope of work was based on visual inspections of the subject property.

In performing our subsurface investigation, limited accessibility was available due to a ramp east of the USTs on the subject property. Our technicians were able to install five (5) bores (B1 through B5) on five (5) separate locations within the south and west perimeters of the tank area on the subject property. Soil sampling was conducted from grade and continuously every four feet (4') to a termination depth of twelve feet (12'). The soil samples collected every four feet (4') were field screened using a Photoionization Detector (PID) model PGM-30. No elevated PID readings were noted. With no PID readings, the deepest soil samples were kept from each bore, accounted for and transmitted to a state certified laboratory for analysis. Five (5) soil samples (B1-S1 and B5-S1) were analyzed under EPA Methods STARS 8021 for Volatile Organic Compounds. All bores were sealed at completion to prevent potential surface contamination.

Findings:

Laboratory analysis of the soil samples did not identify any levels of soil contamination. The laboratory results were compared with NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs).

Recommendations:

Review of the laboratory results and site assessments conducted during the Phase II investigation did not identify any soil contamination for the subject property.
Based on this information, DCES recommends no further assessments needed for the tank area at the subject property.

Romeo Santos, CEPCI NCRS
FDNY Lic.# 6369739
Don Carlo Environmental Services

Don Carlo Environmental Services Inc.
1225 Atlantic Avenue
Brooklyn, NY 11216
Tel: 718-857-3100
Fax: 718-857-2100

Mr. Glen Edelman
Edelman Family Limited Partnership
3000 Marcus Avenue, 2E-7
Lake Success, NY 11042

Re: Environmental Subsurface Assessment
Location: 112 West 25th Street
New York, NY 10001

Dear Mr. Edelman:

Don Carlo Environmental Services, Inc. (DCES) has prepared the following report to document the results of the Environmental Subsurface Assessment (ESA) performed at the above referenced site on August 7, 2006.

Background

The subject property is currently utilized as a parking lot using the address 112 West 25th Street, New York, NY. A site plan is shown on Figure 1.

Site Description

The subject property consists of a parking lot with three (3) levels and offices.

Soil Sampling

[illegible] Scandalios five (5) bores (B1-B5) throughout within an accessible location of the subject property. At each boring, [illegible] soil samples were collected continuously using a truck mounted Geoprobe® system. The Geoprobe® uses direct push technology to drive core samplers to the desired depth for soil sample collection. This method can be performed quickly, so if refusal occurs, a new location can be accessed with minimal effort. Soil samples were collected continuously from grade. Continuous soil samples were collected every four feet (4') to a termination depth of twelve feet (12'). Onsite field screening was conducted on the soil samples for staining or smell for gasoline odor and by using a Photoionization Detector (PID) model PGM 30. Selectively, soil samples were taken, place in laboratory approved glass jars, labeled (B1-S1 and B5-S1) and submitted to York Analytical Laboratories for analysis. Non-disposable sampling equipment was cleaned using a distilled water and Alconox detergent wash followed by a distilled water rinse prior to the collection of each sample. Bores were subsequently sealed with a cementitious mixture to block potential surface contaminants.

Soil Analysis

The deepest sample from each boring was submitted with proper chain of custody to York Analytical Laboratories in Stratford, CT for analysis.

Soil samples were analyzed for petroleum constituents under EPA Method SW846 8021 for Volatile Organic Compounds (VOCs).

Analytical Results

Laboratory analysis of the soil samples did not identify any levels of soil contamination in the five (5) soil samples analyzed.
Analytical results were compared with TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs).

Soil analytical results are summarized on Table 2 and the laboratory reports are included in Appendix A of this report.

Conclusion/Recommendation

Based on the data reviewed, DCES recommends no further assessment is needed for the bank area of the subject property.

FIGURES

SITE PLAN NOT DRAWN TO SCALE

112 WEST 25TH STREET
NEW YORK, NY

TABLES

112 WEST 25TH STREET
NEW YORK, NY 10001

TABLE 1

SOIL ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs)

Contaminants	NYS DEC TAGM (4046)	B1 S1 (8'-12')	B2 S1 (8'-12')	B3 S1 (8'-12')	B4 S1 (8'-12')	B5 S1 (8'-12')
1,2,4-Trimethylbenzene	NS	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NS	ND	ND	ND	ND	ND
Benzene	60	ND	ND	ND	ND	ND
Ethylbenzene	5,500	ND	ND	ND	ND	ND
Isopropylbenzene	NS	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	NS	ND	ND	ND	ND	ND
Naphthalene	NS	ND	ND	ND	ND	ND
n-Butylbenzene	NS	ND	ND	ND	ND	ND
n-Propylbenzene	NS	ND	ND	ND	ND	ND
o-Xylene	1,200	ND	ND	ND	ND	ND
p- & m- Xylenes	1,200	ND	ND	ND	ND	ND
p-Isopropyltoulene	NS	ND	ND	ND	ND	ND
sec-Butylbenzene	NS	ND	ND	ND	ND	ND
tert Butylbenzene	NS	ND	ND	ND	ND	ND
Toulene	1,500	ND	ND	ND	ND	ND

NOTES:
NYSDEC: NYS DEC Recommended Soil Cleanup Objectives (RSCOs) - TAGM 4046
ND - Not Detected
NS - No Standard
Bold Text denotes exceedances
All units are µg/kg
MDL - Method Detection Limits
NA - Not Available

APPENDICES

YORK

ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

Don Carlo Environmental
1225 Atlantic Ave.
Brooklyn, NY 11216
Attention: Danny Singh

Report Date: 8/15/2006
Re: Client Project ID: 112 West 25th St., New York, NY
York Project No.: 06080282

120 Research Drive Stratford, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 8/15/2006
Client Project ID: 112 West 25th St., New York, NY
York Project No.: 06080282

Don Carlo Environmental
1225 Atlantic Ave.
Brooklyn, NY 11216
Attention: Danny Singh

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 08/08/06. The project was identified as your project "112 West 25th St., New York, NY".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			B1-S1 (8-12')		B2-S1 (8-12')	
York Sample ID			06080282-01		06080282-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
Benzene			Not detected	2.00	Not detected	2.00
Ethylbenzene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl-tert-butyl ether			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
o-Xylene			Not detected	10.0	Not detected	10.0
p- & m- Xylenes			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0

YORK

Client Sample ID			B3-S1 (8-12')		B4-S1 (8-12')	
York Sample ID			06080282-03		06080282-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg				
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
Benzene			Not detected	2.00	Not detected	2.00
Ethylbenzene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl-tert-butyl ether			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
o-Xylene			Not detected	10.0	Not detected	10.0
p & m- Xylenes			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0

Client Sample ID			B5-S1 (8-12')	
York Sample ID			06080282-05	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg		
1,2,4-Trimethylbenzene			Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0
Benzene			Not detected	2.00
Ethylbenzene			Not detected	10.0
Isopropylbenzene			Not detected	10.0
Methyl-tert-butyl ether			Not detected	10.0
Naphthalene			Not detected	10.0
n-Butylbenzene			Not detected	10.0
n-Propylbenzene			Not detected	10.0
o-Xylene			Not detected	10.0
p & m- Xylenes			Not detected	10.0
p-Isopropyltoluene			Not detected	10.0
sec-Butylbenzene			Not detected	10.0
tert-Butylbenzene			Not detected	10.0
Toluene			Not detected	10.0

Units Key: For Water/Liquids: ng/L, ppq, ug/L, ppb For Soils/Solids: ng/kg, ppb (ug/kg), ppm (mg/kg)

YORK

Report Date: 8-15-2006
Client Project ID: 112 West 25th St., New York, NY
York Project No.: 06080282

Notes for York Project No. 06080282

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley
Managing Director

Date: 8-15-2006

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

Page ___ of ___

06080282

Company Name	Report To	Invoice To	Project ID/No.	Samples Collected By: Signature
DON CARLO ENV. 1225 ATLANTIC AVE BROOKLYN, NY	←	←	112 WEST 25TH ST. NEW YORK, NY	Name (Print): LUIS GOMEZ

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Descriptions
B_1-S1	(8'-12')	08-07-06		X			STARS 8021	
B_2-S1	(8'-12')	08-07-06		X			" "	
B_3-S1	(8'-12')	08-07-06		X			" "	
B_4-S1	(8'-12')	08-07-06		X			" "	
B_5-S1	(8'-12')	08-07-06		X			" "	

Chain-of-Custody Record

Relinquished by: Sampler	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
Sample Received for Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received for LAB by	Date/Time

Comments/Special instructions

Turn-Around Time

X Standard ___ RUSH: define ___

APPENDIX 5
November 2014 Phase I ESA (Partner)

PARTNER

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

112 West 25th Street
New York, NY 10001

November 7, 2014
Partner Project No. 14-129276.1

Prepared for:

Shanghai Commercial Bank
125 East 56th Street
New York, NY 10022

PARTNER

November 7, 2014

Mr. Joseph Lau
Shanghai Commercial Bank
125 East 56th Street
New York, NY 10022

Subject: Phase I Environmental Site Assessment
112 West 25th Street
New York, NY 10001
Partner Project No. 14-129276.1

Dear Mr. Lau:

Partner Assessment Corporation (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in general conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (646) 683-8537.

Sincerely,

Sarah M. Fonseca
National Client Manager

EXECUTIVE SUMMARY

Partner Assessment Corporation (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Shanghai Commercial Bank for the property located at 112 West 25th Street in the City of New York, New York County, New York (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Shanghai Commercial Bank with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the on the south side of West 25th Street and the north side of West 24th Street within a mixed commercial, industrial and residential area of New York County. Please refer to the table below for further description of the subject property:

Subject Property Data	
Address:	112 West 25th Street, New York, New York
Additional Addresses:	114-118 (even only) West 25th Street 113-117 (odd only) West 24th Street
Property Use:	Vacant
Land Acreage (Ac):	0.38 Ac
Number of Buildings:	One
Number of Floors:	Two-story plus cellar
Gross Building Area (SF):	46,857 SF (Total)
Date of Construction:	Prior to 1880
Assessor's Parcel Number (APN):	Block 800 Lot 49
Type of Construction:	Brick foundation / Concrete steel flooring / Steel framing / Flat roof
Current Tenants:	Currently Vacant
Site Assessment Performed By:	Ryan Reynics of Partner
Site Assessment Conducted On:	November 5, 2014

The subject property is currently occupied by a vacant commercial building which consists of a two-story 46,857 square foot building, with a cellar. Currently the subject property building is vacant; however, the most recent former operations included automotive repair, vehicle parking and a small office space. The subject property is predominantly covered by the subject buildings with no additional improvements.

According to available historical sources, the subject property was formerly developed as a candy and chocolate factory from approximately 1880 to 1911; an automotive repair facility from approximately 1927 to 2013; and, has been vacant since the beginning of 2014.

The immediately surrounding properties consist of commercial and multi-family residential to the north, across West 25th Street; a church, commercial property, and a hotel to the south across West 24th Street; and, mixed residential and commercial properties to the east and west, respectively.

Based on the urban development of the area, groundwater depth and flow below New York City can vary from the surface topography and is often erratic. However, according to information obtained from the United States Geological Survey (USGS), groundwater in the vicinity of the subject property is present at approximately 30 to 40 feet below ground surface (bgs) and flow to the southwest.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner reviewed a previous *Phase I ESA*, dated July 14, 2006, prepared by Merritt Engineering Consultants (MEC) and an *Environmental Subsurface Assessment Report*, dated August 16, 2006 prepared by Don Carlo Environmental Services, Inc (DCES). According to the Phase I ESA, underground storage tanks (USTs) and hydraulic lifts are present on the subject property; however, no closure documentation was available to determine regulatory closure was achieved. According to the review of historical documents, the subject property formerly utilized eight, 550-gallon gasoline USTs. These USTs were identified on Sanborn Fire Insurance Maps as early as 1930 in the northeast corner of the subject property. During site reconnaissance, Partner observed eight vent pipes which further indicates the presence of the USTs. A prior report indicates a subsurface investigation was performed on August 7, 2006. The subsurface investigation included the advancement of five borings in the vicinity of the UST basin. The prior report states the USTs were reportedly filled with sand at an unknown time. There is no mention regarding the confirmed closure of the USTs. Soil samples were collected and analyzed under EPA Method STARS 8021 for Volatile Organic Compounds (VOCs). Laboratory analysis of the soil samples did not identify soil impacts above laboratory reporting limits and the NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs). Although, the analytical results did not identify a release in 2006, it remains unknown if the USTs have been properly abandoned in place. In addition, the subject property is proposed to be demolished, excavated and redeveloped. As such, the USTs will need to be removed and sampling may be required during the removal process in order to confirm no releases have occurred. As such, the USTs at the subject property are considered a recognized environmental condition to the subject property.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to previous report reviewed identified as *Phase I Environmental Site Assessment* conducted by Merritt Engineering Consultants, P.C. dated July 14, 2006, an abandoned hydraulic lift was observed within the subject property building. Based on previous experience with hydraulic lifts, the quantity of hydraulic fluid used with this equipment is small. Based on the small quantity of hydraulic fluid used in connection with the operations of this equipment, the age of the equipment and the inferred depth to groundwater in the vicinity of the subject property, the presence of this equipment is not expected to represent a significant environmental concern. However, soil sampling may be required if the hydraulic lift is planned to be removed in the future.
- According to previous report reviewed identified as an *Asbestos Assessment* conducted by Environmental Consulting & Management Services Inc. dated October 10, 2013, a comprehensive survey was performed at the subject property of which materials identified as Built-up Roofing, North & South Parapet Walls, East & West Parapet Walls, and Stairwell Bulkhead Roof & Walls tested were identified as containing asbestos greater than one percent (> 1%).

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 112 West 25th Street in the City of New York, New York County, New York (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- The USTs should be removed during the redevelopment of the subject property. If warranted, soil and/or groundwater samples may be required by the regulatory agency. At the request of the

User, Partner can provide services, such as a camera scope, of the vent pipes to the USTs in order to determine if the USTs have been properly closed in place.

- An Asbestos Operations and Maintenance (O&M) program should be developed to manage the asbestos-containing materials found at the subject property. The intent of the O&M program is to minimize the potential exposure of building occupants to airborne asbestos fibers. These materials will have to be properly abated prior to any renovation, repairs and/or demolition of the buildings, in accordance with the Asbestos Hazard Emergency Response Act (AHERA - 40 CFR Part 763), the National Emission Standards for Hazardous Air Pollutants (NESHAP - 40 CFR 61, Subpart M), and all applicable local and state regulations.

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1.0 INTRODUCTION

Partner Assessment Corporation (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 112 West 25th Street in the City of New York, New York County, New York (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in general accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential

exposure to hazardous substances or petroleum products in the soil or groundwater on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Shanghai Commercial Bank engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Shanghai Commercial Bank. Either

verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this report was completed. A copy of Partner's standard Terms and Conditions can be found at http://www.partneresi.com/terms-and-conditions.php.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past or current owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner requested information relative to deed restrictions and environmental liens, a title search, and completion of a pre-survey questionnaire from the Report User. This information was not provided at the time of the assessment.
- Partner was not able to document the historical use of the subject property prior to 1880. The following sources were reviewed during the course of this assessment and found to be limited: aerial photographs were not available prior to 1924; city directories were not available prior to 1927; topographic maps prior to 1900; and fire insurance maps prior to 1880. This data failure is not considered critical and does not change the conclusions of this report.
- Partner was unable to determine the property use at 5-year intervals, which constitutes a data gap. Except for property tax files and recorded land title records, which were not considered to be sufficiently useful, Partner reviewed all standard historical sources and conducted appropriate interviews.
- Partner submitted Freedom of Information Act (FOIA) requests to the New York State Department of Environmental Conservation (NYSDEC), the New York City Fire Department (FDNY), the New

York City Department of Health (NYCDOH) and the New York City Department of Environmental Protection (NYCDEP) for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property. As of this writing, the aforementioned agencies have not responded to Partner's request. Based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment. If issues of an environmental concern are identified upon review of these documents, Partner will issue an addendum to this report.

Due to time constraints associated with this report, the Client has requested the report despite the above-listed limitations.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 112 West 25th Street in New York, New York is located on the south side of West 25th Street and the north side of West 24th Street. According to the online research, the subject property is legally described as Block 800 Lot 49, and ownership is currently vested in 112-118 West 25th LLC since 2013.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently a vacant commercial building which consists of a two-story, 46,857 square foot building, with a cellar. Currently, the subject property building is vacant; however, former operations included automotive repair, vehicle parking and a small office space. The subject property is predominantly covered by the subject buildings with no additional improvements.

The subject property is designated for commercial development by the City of New York.

The subject property was identified as an EDR US Historic Auto Station site in the regulatory database report, as further discussed in Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a mixed commercial and residential area of New York County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties	
North:	Commercial (119-125 West 25th Street; 115-117 West 25th Street) and multi-family residential (107-113 West 25th Street)
South:	Church (116 West 24th Street) commercial (112-114 West 24th Street) hotel (108 West 24th Street) and commercial (106 West 24th Street)
East:	Mixed residential and commercial (110 West 25th Street) and commercial (109-111 West 24th Street)
West:	Mixed residential and commercial (120 West 25th Street) and commercial (119-125 West 24th Street)

The adjacent properties were identified as AST, Historical AST, and Spills sites in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Brooklyn, New York* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 35 feet above mean sea level (MSL). The contour lines in the

area of the subject property indicate the area is sloping gently toward the southwest. The subject property is depicted on the 1995 map as shaded indicating dense urban development.

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

According to topographic map interpretation, the direction of groundwater in the vicinity of the subject property is inferred to flow toward the southwest. The nearest surface water in the vicinity of the subject property is the Hudson River located approximately 0.85 miles west of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the New York City Department of Environmental Conservation (NYCDEP) serves the subject property vicinity. According to a representative of the NYCDEP, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. The sources of public water for the City of New York are surface water from the Catskill/Delaware System, located in Delaware, Green Schoharie, Sullivan, and Ulster Counties; and the Croton System, located in Putnam, Westchester and Dutchess counties.

Based on the urban development of the area, groundwater depth and flow below New York City can vary from the surface topography and is often erratic. However, according to information obtained from the United States Geological Survey and topographic map interpretation, groundwater in the vicinity of the subject property is present at approximately 30 to 40 feet below ground surface (bgs).

2.4.3 Geology/Soils

According to the New York State Geological Survey website, the bedrock at the Property is Precambrian in age, approximately one billion years old, and consists of gneiss and schists that are a part of the Manhattan Prong, a portion of the Appalachian Piedmont. The older of the Manhattan Prong sequence found in central Manhattan is the Manhattan Schist, which is overlain by the Hartland Formation, a granulite. Both units are of very high metamorphic grade having been metamorphosed at a great depth in the earth's crust and later thrust to the surface during the Appalachian mountain building episode, about 350 million years ago.

During the last glacial period, ending about 12,000 to 15,000 years ago and termed the Wisconsin, a mantling of glacial drift was deposited over the older bedrock. In places the glacial deposits are unsorted till characterized by boulder to pebble-sized rocks erratically intermixed with a clay matrix, but elsewhere the deposits are sorted and stratified sand and gravel, the result of glacial outwash.

Soils in the vicinity of the Property are classified as Urban Land. Urban Land complex are those soils in which the soil's original structure and content have been so altered by human activities it has lost its original characteristics and is thus unidentifiable. Urban soils consist of nearly level to moderately steep areas where the soils have been altered or obscured by urban works and structures. Buildings and pavement cover more than 85 percent of the surface. Included in this unit in mapping are many small areas where the original soil material has been disturbed by construction and areas where fill has been

added. Also included are small areas of undisturbed soils. The soil properties and characteristics of this unit vary. Onsite investigation is needed to determine the suitability for specific uses and the limitations affecting those uses.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 3604970201F, dated September 5, 2007, the subject property appears to be located in Zone X, an area located outside of the 100-year and 500-year flood plains.

A copy of the reviewed flood map is not included in Appendix B of this report.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information		
Period/Date	**Source**	**Description/Use**
1880-1911	Sanborn Maps, Topographic Maps	Food Production (Candy and Chocolate Factory)
1927-2013	Aerial Photographs, Building Records, City Directories, Interviews, Onsite Observations, Sanborn Maps, Topographic Maps, Prior Reports	Automotive Repair
2013—Present	Interviews, Onsite Observations	Vacant

Tenants on the subject property include a candy and chocolate factory (1880-1911); automotive repair (1927-2013); and, vacant (Present). Potential environmental concerns were identified in association with the current or former use of the subject property, as further discussed in Section 5.2.6.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources, Inc. (EDR) on November 4, 2014. The following observations were noted to be visible on the subject property and adjacent properties during the aerial photograph review:

Date: 1924-2011	*Scale: 1"=500'/1,000'*
Subject Property:	Appears to be developed with the current structure and configuration
North:	Appears to be developed with the current structures and configuration across West 25th Street
South:	Appears to be developed with the current structures and configuration across West 24th Street
East:	Appears to be developed with the current structure and configuration
West:	Appears to be developed with the current structure and configuration

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Partner reviewed the collection of Sanborn Fire insurance maps from EDR on November 4, 2014. The following observations were noted to be depicted on the subject property and adjacent properties during the fire insurance map review:

Date: 1880 and 1899	
Subject Property:	Depicted as developed with several three- to five-story structures identified as a chocolate and candy manufacturer (112-118 West 25th Street and 113-117 West 24th Street)
North:	Depicted as developed with several structures across West 25th Street (111-119 West 25th Street)
South:	Depicted as developed with a four-story music hall (108-110 West 24th Street), a

Date:	***1880 and 1899***
	ten-story store (112-114 West 24th Street), and a four-story school (116 West 24th Street) across West 24th Street
East:	Depicted as developed with a three-story dwelling (108-110 West 25th Street) and a three-story nondescript building (111 West 24th Street)
West:	Depicted as developed with a five-story building with a basement (120 West 25th Street) and a four-story nondescript building (119 West 24th Street)

Date:	***1911***
Subject Property:	No significant structural changes depicted; the subject property is depicted as having a basement, identified as a candy and chocolate factory and identified as having two dwellings (113 & 115 West 24th Street)
North:	Depicted as developed with a six-story mixed use building with a basement (107-113 West 25th Street), a three-story mixed use building with a basement (115 West 25th Street), a two-story veterinary hospital (117 West 25th Street), and an eleven-story mixed use building with a basement (119-125 West 25th Street)
South:	Depicted as developed with a four-story furniture store with a basement (108-110 West 24th Street), a sixteen-story mixed use building with a basement, and a four-story school (116 West 24th Street)
East:	Depicted as developed with a three-story mixed use building (110 West 25th Street) and a seven-story furniture store with a basement (109-111 West 24th Street)
West:	Depicted as developed with a five-story mixed use building with a basement (120 West 25th Street) and four-story mixed use building with a basement at West 24th Street

Date:	***1930 and 1950***
Subject Property:	Depicted as developed with the current building and configuration; the building is depicted as having eight, 550-gallon gasoline USTs (112-118 West 25th Street; 113-117 West 24th Street)
North:	No significant structural changes; the building at 117 West 25th Street is depicted as a mixed use
South:	No significant structural changes;
East:	No significant structural changes; the building at 109-111 West 24th Street is depicted as mixed use
West:	No significant changes along West 25th Street; depicted as developed with a twelve-story mixed use building with a basement (119-125 West 24th Street)

Date:	***1976-2001***
Subject Property:	No significant changes depicted
North:	No significant changes depicted
South:	No significant changes depicted; undeveloped at 110 West 24th Street
East:	No significant changes depicted
West:	No significant changes depicted

Date:	***2002-2005***

Date: 1976-2001	
Subject Property:	No significant changes depicted
North:	No significant changes depicted
South:	No significant changes depicted; depicted as developed with a nineteen-story hotel at 110 West 24th Street
East:	No significant changes depicted
West:	No significant changes depicted

Copies of reviewed Sanborn Maps are included in Appendix B of this report.

3.3 City Directories

Partner reviewed historical city directories obtained from EDR on November 3, 2014 for past names and businesses that were listed for the subject property and adjacent properties. The findings are presented in the following table:

City Directory Search for 112 West 25th Street (Subject Property)	
Year(s)	**Occupant Listed**
1927	El Bee Garage Inc (112 West 25th Street)
1934	El Bee Garage Inc (112 West 25th Street)
1938	Madison Garage Inc (112 West 25th Street)
1942	Madison Garage Inc (112 West 25th Street)
1947	Moes Super Garage (112 West 25th Street)
1950	Super Garage Inc (112 West 25th Street)
1956	Ace Garage Co (112 West 25th Street)
1958	Ace Garage Co (112 West 25th Street)
1963	Ace Garage Co (112 West 25th Street)
1968	Ace Garage Co, Berry Johnnie Inc Exp & Trucking, Holiday Drive Ur Self Inc (112 West 25th Street)
1973	Ace Garage Co, Holiday Drive Ur Self Inc (112 West 25th Street)
1978	Ace Garage Co, Holiday Drive Ur Self Inc (112 West 25th Street)
1983	A-One parking Corp, Ace Garage, All City Fire Extinguisher Co, Holiday Drive Ur Self Inc (112 West 25th Street)
1988	Ace Garage Co, Holiday Drive Ur Self Inc, Square Industries, Square Plus Operation Corp (112 West 25th Street)
1993	Square Industries (112 West 25th Street)
1998	Jamies Auto Body, W 25th Street parking Corp (112 West 25th Street)
2000	Jamies Auto Body, W 25th Street parking Corp (112 West 25th Street)
2006	I R parking Inc, Jamies Auto Body (112 West 25th Street)
2008	Ace Garage Inc, I R Parking, Jamies Auto Body (112 West 25th Street)
2013	I R Parking Incorporated, NY Towing & Auto Repair (112 West 25th Street)

According to the city directory review, the subject property has been occupied by several auto garage and auto repair facilities since at least 1927 as further discussed in Section 5.2.6.

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
1920	North: Multiple commercial tenants (107 West 25th Street)

City Directory Search for Adjacent Properties

Year(s)	Occupant Listed
	East: Multiple commercial tenants (108-110 West 25th Street)
1923	North: Multiple commercial tenants (107 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
1927	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
1934	East: Multiple commercial tenants (108-110 West 25th Street)
1938	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1942	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1947	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1950	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1956	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1958	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1963	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1968	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1973	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1978	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
1983	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial and residential tenants (120 West 25th Street)
1988	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial and residential tenants (120 West 25th Street)
1993	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
	West: Multiple commercial tenants (120 West 25th Street)
1998	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
2000	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
2006	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial and residential tenants (108-110 West 25th Street)
	West: Multiple commercial and residential tenants (120 West 25th Street)
2008	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
2013	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)

According to the city directory review, the adjacent properties have been occupied by various commercial, residential and industrial tenants, including sewing machine, printing, die cutting, photography and clothing tenants. Based on the lack of open releases, and hazardous materials listing in the regulatory database, these adjacent properties are not expected to represent a significant environmental concern to the subject property.

Copies of reviewed city directories are included in Appendix B of this report.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from EDR on November 3, 2014. The following observations were noted to be depicted on the subject property and adjacent properties during the topographic map review:

Date:	*1900-1947*
Subject Property:	Depicted as developed
North:	Depicted as developed across West 25th Street
South:	Depicted as developed across West 24th Street
East:	Depicted as developed
West:	Depicted as developed

Date:	*1956-1995*
Subject Property:	Depicted as shaded indicating dense urban development
North:	Depicted as shaded indicating dense urban development across West 25th Street
South:	Depicted as shaded indicating dense urban development across West 24th Street
East:	Depicted as shaded indicating dense urban development
West:	Depicted as shaded indicating dense urban development

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 State Department

Regulatory Agency Data	
Name of Agency:	New York State Department of Environmental Conservation (NYSDEC)
Point of Contact:	NYSDEC
Agency Address:	47-40 21st Street, Long Island City, New York
Agency Phone Number:	(718) 482-4900
Date of Contact:	November 3, 2014
Method of Communication:	Email
Summary of Communication:	As of the date of this report, Partner has not received a response from the NYSDEC for inclusion in this report. Partner reviewed available records online from the Petroleum Bulk Storage (PBS) database, Spills Incidents database, and Remedial Site database. No records were identified for the subject property.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.2 Health Department

Regulatory Agency Data	
Name of Agency:	New York City Department of Health and Mental Hygiene (NYCDOH)
Point of Contact:	Records Access Officer
Agency Address:	125 Worth Street, New York, New York
Agency Phone Number:	(646) 632-6006
Date of Contact:	November 3, 2014
Method of Communication:	Faxed Request
Summary of Communication:	As of the date of this report, Partner has not received a response from the NYCDOH for inclusion in this report.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.3 Fire Department

Regulatory Agency Data	
Name of Agency:	New York City Fire Department (FDNY)
Point of Contact:	Public Records Unit/Tanks Section
Agency Address:	9 MetroTech Center, Brooklyn NY 11201
Agency Phone Number:	(718) 999-2441
Date of Contact:	November 3, 2014
Method of Communication:	Mailed Request
Summary of Communication:	As of the date of this report, Partner has not received a response from the FDNY for inclusion in this report.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.4 Building Department

Regulatory Agency Data	
Name of Agency:	New York City Building Department (NYCDOB)
Point of Contact:	Online
Agency Address:	N/A
Agency Phone Number:	N/A
Date of Contact:	November 5, 2014
Method of Communication:	Online
Summary of Communication:	Records were available for review, as further discussed in the following table.

Building Records Reviewed for 112 West 25th Street (Subject Property)		
Year(s)	**Permit Numbers**	**Description**
1990	100124740-01-AL	Replace existing steel support brick arch with new reinforced concrete slab and repair sidewalk
1991	100760829-01-EW OT	Alteration – General Construction
1995	100815931-01-AL	Alteration – no work to be performed
1996	100815931-02-PL	Alteration – Plumbing
1996	101078209-01-EW OT	Alteration – sign support
1996	101078218-01-SG	Sign
1996	101311457-01-AL	Alteration – General Construction
1997	101434137-01-EW OT	Alteration - Partitions, create new electric meter enclosure
1999	102201555-01-EW OT	Alteration – structural / Conc
2001	102594694-01-SG	Sign
2001	102594701-01-SG	Sign
2001	102594710-01-SG	Sign
2001	102594729-01-SG	Sign
2006	104273126-01-EQ SH	Alteration- construction equipment – sidewalk shed
2006	104323475-01-EW OT	Alteration – Proposed structural repairs, roof waterproofing, and replacement of fireproofing
2006	104323475-01-EQ FN	Alteration- construction equipment - Fence
2006	104511672-01-EQ SF	Alteration- construction equipment - Scaffold
2012	120622718-01-SG	Sign
2014	140182567-01-EQ SH	Alteration- construction equipment
2014	140188080-01-EQ SF	Alteration- construction equipment

A copy of pertinent documents is not included in Appendix B of this report.

4.1.5 Planning Department

Regulatory Agency Data	
Name of Agency:	New York City Open Accessible Space Information System (OASIS)
Point of Contact:	Online property information
Agency Address:	N/A
Agency Phone Number:	N/A
Date of Contact:	November 5, 2014
Method of Communication:	Online review

Regulatory Agency Data	
Summary of Communication:	According to records reviewed, the subject property is zoned M1-6 for commercial development by the City of New York.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.6 Assessor's Office

Regulatory Agency Data	
Name of Agency:	New York City Department of Finance (NYCDOF)
Point of Contact:	Automated City Register Information System (ACRIS) online
Agency Address:	N/A
Agency Phone Number:	N/A
Date of Contact:	November 5, 2014
Method of Communication:	Online review
Summary of Communication:	According to records reviewed, the subject property is identified by Block 800 Lots 49. Ownership is currently vested in 112-118 West 25th LLC since 2013.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.7 City Department of Environmental Protection

Regulatory Agency Data	
Name of Agency:	New York City Department of Environmental Protection (NYCDEP)
Point of Contact:	Records Officer
Agency Address:	59-17 Junction Boulevard, 19th Floor, Flushing NY 11373
Agency Phone Number:	(718) 595-6543
Date of Contact:	November 3, 2014
Method of Communication:	Faxed Request
Summary of Communication:	As of the date of this report, Partner has not received a response from the NYCDEP for inclusion in this report.

A copy of pertinent documents is not included in Appendix B of this report.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by EDR. Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	N	N	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site	0.50	N	N	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	N	**Y**	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.50	N	**Y**	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
EDR MGP	Varies	N	N	N
EDR US Hist Auto Station	Varies	**Y**	N	N
EDR US Hist Cleaners	Varies	N	N	N

4.2.2 Subject Property Listings

The subject property is identified as an EDR US Historical Auto Station site in the regulatory database report, as discussed below:

- The subject property, at 112 West 25th Street, is identified as a EDR US Historical Auto Station for the tenants identified as Jamie's Auto Body from 1999 to 2008 and NY Towing and Auto Repair in 2011 and 2012. Although hazardous substances and petroleum products were likely associated with the former auto repair operations conducted on the subject property, no evidence of improper storage or handling of these materials was reported to the local regulatory agencies. No evidence of a release was observed during the site reconnaissance. The subject property is not listed for any spills or releases in connection with the use or handling of these materials. During site reconnaissance, Partner observed evidence of eight USTs and eight hydraulic lifts at the subject property. Reportedly, the USTs have been abandoned in place (filled with sand); however, no documentation is available. A prior Phase I ESA and Phase II ESA were performed at the subject property in 2006 in regards to the UST and is further discussed in Section 5.2.6.

4.2.3 Adjacent Property Listings

The adjacent property to the east is identified as an AST site in the regulatory database report, as discussed below:

- The property, identified as Condominium Assoc. at 108 West 25 Street, is located adjacent to the east of the subject property, hydrologically up-gradient. This site reportedly operates a 4,000-gallon #6 Fuel Oil AST (PBS: 2-406848) which was installed December 1, 1973. According to the regulatory database, the tank type is steel/carbon and steel/iron, and equipped with a product level gauge, suction dispenser, and is in a subterranean vault with access for inspections. Based on the location of the tank, and lack of documented releases, this listing is not expected to represent a significant environmental concern.

The adjacent property to the north is identified as an AST and Historical AST site in the regulatory database report, as discussed below:

- The property, identified at 119 W 25th Street, is located adjacent to the north of the subject property, hydrologically cross-gradient. This site reportedly operated a 6,000-gallon #2 Fuel Oil AST (PBS: 2-24389) which was reportedly closed prior to March 1991. According to the regulatory database, the tank type is steel/carbon and steel/iron, and equipped with a product level gauge, suction dispenser, and was in a subterranean vault with access for inspections. Based on the location of the tank, and lack of documented releases, this listing is not expected to represent a significant environmental concern.

The adjacent property to the west is identified as a Spills, AST, and Historical AST site in the regulatory database report, as discussed below:

- The property, identified at 119 West 24th Street, is located adjacent to the west of the subject property, hydrologically down-gradient. This site reported a release (Spill # 8800769) of PCB Oil on March 7, 1988, which reportedly impacted soil. The release was reported to the NYSDEC. According to the regulatory database report, "S&W came up with PCB elevated concentration of contaminated debris upon disposal. Material removed and report given to BECI unit. New tank system installed." The responsible party is identified as F&M Ring, and regulatory closure was obtained on December 29, 1988.

  Additionally, this site reportedly operates a 5,000-gallon #2 Fuel Oil AST (PBS: 2-270121) which has an unknown installation date. According to the regulatory database, the tank type is steel/carbon steel/iron, and equipped with interstitial-electronic monitoring a vent whistle, suction dispenser, and is in contact with soil. Based on the current regulatory status, responsible party identified, and inferred direction of groundwater flow, these listing is not expected to represent a significant environmental concern.

The adjacent property to the north is identified as an AST and Historical AST site in the regulatory database report, as discussed below:

- The property, identified at 107 West 25th Street, is located adjacent to the north of the subject property, hydrologically up-gradient. This site reportedly operated a 3,000-gallon #2 Fuel Oil AST (PBS: 2- 601322) which was installed March 31, 1982. According to the regulatory database, the tank type is steel/carbon steel/iron, and equipped with a product level gauge, suction dispenser, and is in contact with soil. Based on the location of the tank, and lack of documented releases, this listing is not expected to represent a significant environmental concern.

The adjacent property to the east is identified as an AST and Historical AST site in the regulatory database report, as discussed below:

- The property, identified at 109-111 West 25th Street, is located adjacent to the east of the subject property, hydrologically up-gradient. This site reportedly operated a 2,000-gallon #2 Fuel Oil AST (PBS: 2- 606066) which was installed January 1, 1971. According to the regulatory database, the tank type is steel/carbon steel/iron, and equipped with a product level gauge, suction dispenser, and is in a subterranean vault with access for inspections. Based on the location of the tank, and lack of documented releases, this listing is not expected to represent a significant environmental concern.

The adjacent property to the south is identified as a Spills site in the regulatory database report, as discussed below:

- The property, identified as Construction Site at 110 West 24th Street, is located adjacent to the south of the subject property, hydrologically down-gradient. This site reported a release (Spill # 0105588) of Unknown Petroleum on August 15, 2001, which reportedly impacted soil. The release was reported to the New York State Department of Environmental Conservation (NYSDEC). According to the regulatory database report, "S&W came up with PCB elevated concentration of contaminated debris upon disposal. Material removed and report given to BECI unit. New tank system installed." The responsible party is identified as F&M Ring, and regulatory closure was obtained on September 8, 2003. Based on the current regulatory status, responsible party identified, and inferred direction of groundwater flow, these listing is not expected to represent a significant environmental concern.

4.2.4 Sites of Concern Listings

No sites of concern are identified in the regulatory database report.

4.2.5 Orphan Listings

A total of twenty-five (25) orphan listings are identified in the regulatory database report, however, none were identified to be at the subject property or an adjacent property.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from Shanghai Commercial Bank (User of this report).

User Responsibilities				
Item	**Provided By User**	**Not Provided By User**	**Discussed Below**	**Does Not Apply**
Environmental Pre-Survey Questionnaire			**X**	
Title Records, Environmental Liens, and AULs			**X**	
Specialized Knowledge			**X**	
Actual Knowledge			**X**	
Valuation Reduction for Environmental Issues			**X**	
Identification of Key Site Manager	**Section 5.1.3**			
Reason for Performing Phase I ESA	**Section 1.1**			
Prior Environmental Reports		**X**		
Other		**X**		

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property since 2013, identified as 112-118 West 25th LLC, was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User. The information requested was not received prior to the issuance of this report. Because the Report User (Client) is a lender, it is understood that the Report User would not have knowledge of the property that would significantly impact our ability to satisfy the objectives of this assessment. The lack of this information is not considered to represent a significant data gap.

5.1.3 Interview with Key Site Manager

Mr. William Hunsberger, key site manager, indicated that he had no information pertaining to any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

According to Mr. Hunsberger, the subject property was historically used as a parking garage and gasoline filing station which utilized eight gasoline USTs, as further discussed in Section 5.2.6. Additionally, Mr. Hunsberger stated the subject property is slated to be demolished in the upcoming months and redeveloped with a thirty-eight story hotel. In preparation for demolition the subject property has been disconnected from electric and water utilities and the sewer connection is also planned to be disconnected. As part of the redevelopment of the property, Mr. Hunsberger stated that the site may need to be excavated in order to accommodate the new cellar and sub-cellar.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-13, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment. Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.3 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.4 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.5 Previous Reports and Other Provided Documentation

The following information was provided to Partner for review during the course of this assessment:

Phase I Environmental Site Assessment, Merritt Engineering Consultants, P.C. (July 14, 2006)

Merritt Engineering Consultants, P.C. (MEC) prepared this report in general accordance with ASTM Standard E1527-00. Pertinent information contained in this report is summarized below:

- At the time of the 2006 assessment, the subject property was occupied by a three-story commercial parking garage with a 290 car capacity.
- The basement houses the main utilities and heating for the site is via electric baseboard heaters located in the office area.
- MEC identified one abandoned hydraulic lift onsite. MEC stated if no documentation was provided on the abandonment further evaluation of the lift is necessary.
- MEC indicated during the inspection of the basement area that no access to the boiler room vault was available and additional investigation is necessary.
- MEC identified the presence of eight 550-gallon gasoline USTs under the basement floor. In addition, Sanborn Maps for the years 1930-1996 identify the presence of the eight gasoline tanks buried onsite. No documentation of the abandonment of the USTs was provided and a subsurface investigation was recommended.

Environmental Subsurface Assessment Report, Don Carlo Environmental Services, Inc (August 16, 2006)

Don Carlo Environmental Services, Inc (DCES) prepared this report in general accordance with ASTM Practice E 1903 and NYDEC SPOTS Memo 14. Pertinent information contained in this report is summarized below:

- Investigative activities were conducted for assessing the subsurface quality of the soils surrounding the eight, 550-gallon USTs were previously abandoned in place with sand by others. However, no documentation was available in order to confirm the abandonment.
- DCES advanced five borings (B1-B5) on within the south and west perimeters of the tank area on the subject property. Five soil samples (B1-S1 and B5-S1) collected from the terminus of the boring and were analyzed under EPA Methods STARS 8021 for Volatile Organic Compounds.
- Laboratory analysis of the soil samples did not identify impacts above the laboratory reporting limits or the NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs).

Asbestos Assessment, Environmental Consulting & Management Services Inc. (October 10, 2013)

Environmental Consulting & Management Services Inc. prepared this report in response to upcoming planned demolition activities and as such, in accordance with The New York State Department of Labor and New York City DEP along with OSHA and EPA requirements, the property or areas scheduled to undergo renovation/demolition must be completely inspected and all asbestos containing materials abated prior to demolition or any renovation activities that would damage any materials found to contain asbestos. Pertinent information is summarized below:

- The structure consisted of a four story parking garage. The floors consisted of mainly concrete and steel. A few exterior offices on the north side were identified as well. Throughout the building, the floors, walls and ceilings were concrete. On the third floor sheetrock was attached while on the lower floors the ceilings were exposed. Metals beams and columns were inconsistently fire-proofed with spray-applied fireproofing. No heating or mechanical spaces were found or identified and we were advised that none existed. The windows did not contain caulk.
- The following building materials were collected and analyzed: (Wall Plaster/Brown Coat; Ceiling tile (small offices); Flooring (small offices); Sheetrock Ceiling (Top Floor); Fire-proofing (sprayed on beams and cement); Roofing (built-up, flashing and parapet wall mastics throughout roof); and Mortar
- Following sample analysis, the following materials were sampled and identified as containing asbestos greater than one percent (> 1%): Built-up Roofing – Approximately 22,500 sq. ft; North & South Parapet Walls – Approximately 1,200 sq. ft.; East & West Parapet Walls – Approximately 1,500 sq. ft.; and S.E. Stairwell Bulkhead Roof & Walls – Approximately 400 sq. ft.
- Based upon the inspection, sample collection and subsequent analytical data following laboratory analysis, all materials found to be asbestos containing need to be abated by licensed asbestos abatement contractors prior to building demolition.

Copies of pertinent pages reviewed are included in Appendix B of this report.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data	
Site Assessment Performed By:	Ryan Reynics
Site Assessment Conducted On:	November 5, 2014

The table below provides the subject property personnel interviewed during the field reconnaissance:

Site Visit Personnel for 112 West 25th Street (Subject Property)			
Name	**Title/Role**	**Contact Number**	**Site Walk* Yes/No**
William Hunsberger	Key Site Manager	(212) 761-4764	Yes

* Accompanied Partner during the field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property

Environmental concerns were identified during the onsite reconnaissance related to current/former USTs are further discussed in Sections 6.1 and 6.2.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Partner observed the subject property to be a vacant parking garage and office at the time off assessment with no solid waste currently being generated. Additionally, no evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges on the subject property are directed into the municipal sanitary sewer system. The City of New York services the subject property vicinity. No wastewater treatment facilities or septic systems are observed or reported on the subject property.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property primarily by sheet flow action across the paved surfaces towards storm water drains located in the public right of way. The subject property is connected to a municipal owned and maintained sewer system.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Department of Agriculture; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

The heating system for subject property is electric baseboard heaters located in the office area.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater generated at the subject property is disposed by means of the sanitary sewer system. No industrial process is currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

Partner identified hazardous substances used, stored, and/or generated on the subject property as noted in the following table:

Hazardous Substances and/or Petroleum Products Noted Onsite				
Substance	**Container Size**	**Location**	**Nature of Use**	**Disposal Method**
Gasoline	8X 550-gallon USTs	Northeast Portion of Cellar	Gasoline Station	N/A
Paints	3X 5-gallon cans	Second Floor	Routine Maintenance	N/A

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

Partner observed eight vent pipes traversing the wall and extending though the roof of the subject property building. According to review of historical documentation the subject property formerly utilized eight, 550-gallon gasoline USTs. These USTs appear on Sanborn maps as early as 1930. According to the previous reports, discussed in Section 5.2.6, the USTs were reportedly abandoned in place; however, no documentation or regulatory information is available. Based on the planned redevelopment of the subject property, the USTs will need to be removed and sampling and additional sampling may be required.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified: 1) Less than 50 parts per million (ppm) of PCBs – "*Non-PCB;*" 2) 50 ppm-500 ppm – "*PCB-Contaminated;*" and, 3) Greater than 500 ppm – "*PCB-Containing.*" The manufacture, process, or distribution in commerce or use of any PCB in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

Partner observed one hydraulic elevator and eight (8) aboveground hydraulic lifts at the time of assessment. The hydraulic elevator equipment was observed to be located in the cellar and in good condition with no spills, leaks or staining. The aboveground hydraulic lifts were observed to be located in the northeast portion of the second floor in good condition with no spills, leaks or staining. Based on the good condition of the equipment, the elevator and lifts are not expected to represent a significant environmental concern.

Additionally, no other potential PCB-containing equipment (interior transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, balers, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The

Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

The subject property building was constructed in prior to 1880. Partner has conducted a limited, visual evaluation of accessible areas for the presence of suspect ACMs at the subject property. The objective of this visual survey was to note the presence and condition of suspect ACM observed. Please refer to the table below for identified suspect ACMs:

Suspect ACMs			
Suspect ACM	**Location**	**Friable Yes/No**	**Physical Condition**
Drywall Systems	Throughout Building Interior	No	Good
Floor Tiles	Throughout Building Interior	No	Good
Floor Tile Mastic	Throughout Building Interior	No	Good
Ceiling Tiles	Throughout Building Interior	Yes	Good
Roofing Materials	Roof	No	Good

**Please see section 5.2.2 for further information.*

The limited visual survey consisted of noting observable materials (materials which were readily accessible and visible during the course of the site reconnaissance) that are commonly known to potentially contain asbestos. This activity was not designed to discover all sources of suspect ACM, PACM, or asbestos at the site; or to comply with any regulations and/or laws relative to planned disturbance of building materials such as renovation or demolition, or any other regulatory purpose. Rather, it is intended to give the User an indication if significant (significant due to quantity, accessibility, or condition) potential sources of ACM or PACM are present at the subject property. Additional sampling, assessment, and evaluation will be warranted for any other use.

Partner was not provided building plans or specifications for review, which may have been useful in determining areas likely to have used ACM.

According to the US EPA, ACM and PACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition. Prior to any disturbance of the construction materials within this facility, a comprehensive ACM survey is recommended.

6.3.2 Lead-Based Paint (LBP)

Due to the commercial nature of use of the subject property, LBP was not considered within the scope of this assessment.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and

local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 3. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the New York City Department of Environmental Conservation (NYCDEP) serves the subject property vicinity. According to a representative of the NYCDEP, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. The sources of public water for the City of New York are surface water from the Catskill/Delaware System, located in Delaware, Green Schoharie, Sullivan, and Ulster counties; and the Croton System, located in Putnam, Westchester and Dutchess counties.

According to the City of New York and the 2013 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Partner observed accessible, interior areas for the subject property building for significant evidence of mold growth with the exceptions detailed in Section 1.5 of this report; however, this ESA should not be used as a mold survey or inspection. Additionally, this limited assessment was not designed to assess all areas of potential mold growth that may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) mold growth is present at the subject property. This evaluation did not include a review of pipe chases, mechanical systems, or areas behind enclosed walls and ceilings.

Partner observed the subject property to be vacant at the time of assessment. The overall interior of the condition of the subject was observed to be in fair condition with areas water damage and mold growth due to water infiltration from the roof.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises.

6.4.1 ASTs/USTs for Hazardous Substances or Petroleum Products

Partner observed the presence of a vent pipe at 119-125 West 24th Street as further discussed in Section 4.2.3.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner reviewed a previous *Phase I ESA*, dated July 14, 2006, prepared by Merritt Engineering Consultants (MEC) and an *Environmental Subsurface Assessment Report*, dated August 16, 2006 prepared by Don Carlo Environmental Services, Inc (DCES). According to the Phase I ESA, underground storage tanks (USTs) and hydraulic lifts are present on the subject property; however, no closure documentation was available to determine regulatory closure was achieved. According to the review of historical documents, the subject property formerly utilized eight, 550-gallon gasoline USTs. These USTs were identified on Sanborn Fire Insurance Maps as early as 1930 in the northeast corner of the subject property. During site reconnaissance, Partner observed eight vent pipes which further indicates the presence of the USTs. A prior report indicates a subsurface investigation was performed on August 7, 2006. The subsurface investigation included the advancement of five borings in the vicinity of the UST basin. The prior report states the USTs were reportedly filled with sand at an unknown time. There is no mention regarding the confirmed closure of the USTs. Soil samples were collected and analyzed under EPA Method STARS 8021 for Volatile Organic Compounds (VOCs). Laboratory analysis of the soil samples did not identify soil impacts above laboratory reporting limits and the NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs). Although, the analytical results did not identify a release in 2006, it remains unknown if the USTs have been properly abandoned in place. In addition, the subject property is proposed to be demolished, excavated and redeveloped. As such, the USTs will need to be removed and sampling may be required during the removal process in order to confirm no releases have occurred. As such, the USTs at the subject property are considered a recognized environmental condition to the subject property.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria

established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to previous report reviewed identified as *Phase I Environmental Site Assessment* conducted by Merritt Engineering Consultants, P.C. dated July 14, 2006, an abandoned hydraulic lift was observed within the subject property building. Based on previous experience with hydraulic lifts, the quantity of hydraulic fluid used with this equipment is small. Based on the small quantity of hydraulic fluid used in connection with the operations of this equipment, the age of the equipment and the inferred depth to groundwater in the vicinity of the subject property, the presence of this equipment is not expected to represent a significant environmental concern. However, soil sampling may be required if the hydraulic lift is planned to be removed in the future.
- According to previous report reviewed identified as an *Asbestos Assessment* conducted by Environmental Consulting & Management Services Inc. dated October 10, 2013, a comprehensive survey was performed at the subject property of which materials identified as Built-up Roofing, North & South Parapet Walls, East & West Parapet Walls, and Stairwell Bulkhead Roof & Walls tested were identified as containing asbestos greater than one percent (> 1%).

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 112 West 25th Street in the City of New York, New York County, New York (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- The USTs should be removed during the redevelopment of the subject property. If warranted, soil and/or groundwater samples may be required by the regulatory agency. At the request of the User, Partner can provide services, such as a camera scope, of the vent pipes to the USTs in order to determine if the USTs have been properly closed in place.
- An Asbestos Operations and Maintenance (O&M) program should be developed to manage the asbestos-containing materials found at the subject property. The intent of the O&M program is to minimize the potential exposure of building occupants to airborne asbestos fibers. These materials will have to be properly abated prior to any renovation, repairs and/or demolition of the

buildings, in accordance with the Asbestos Hazard Emergency Response Act (AHERA - 40 CFR Part 763), the National Emission Standards for Hazardous Air Pollutants (NESHAP - 40 CFR 61, Subpart M), and all applicable local and state regulations.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 112 West 25th Street in the City of New York, New York County, New York in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

Ryan Reynics
Environmental Scientist

Reviewed By:

Janet Annan
Senior Author

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13.

Environmental Data Resources (EDR), Radius Report, November 2014

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, November 2014

United States Department of Agriculture, Natural Resources Conservation Service, accessed via internet, November 2014

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, November 2014

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, November 2014

United States Geological Survey, accessed via the Internet, November 2014

United States Geological Survey Topographic Map 1995, 7.5 minute series, accessed via internet, November 2014

FIGURES

1 SITE LOCATION MAP

2 SITE PLAN

3 TOPOGRAPHIC MAP

PARTNER

FIGURE 1: SITE LOCATION MAP

Project No. 14-129276.1

Drawing Not To Scale

N

PARTNER

KEY: Subject Site UST (UST)

GROUNDWATER FLOW

FIGURE 2: SITE PLAN

Project No. 14-129276.1

Drawing Not To Scale

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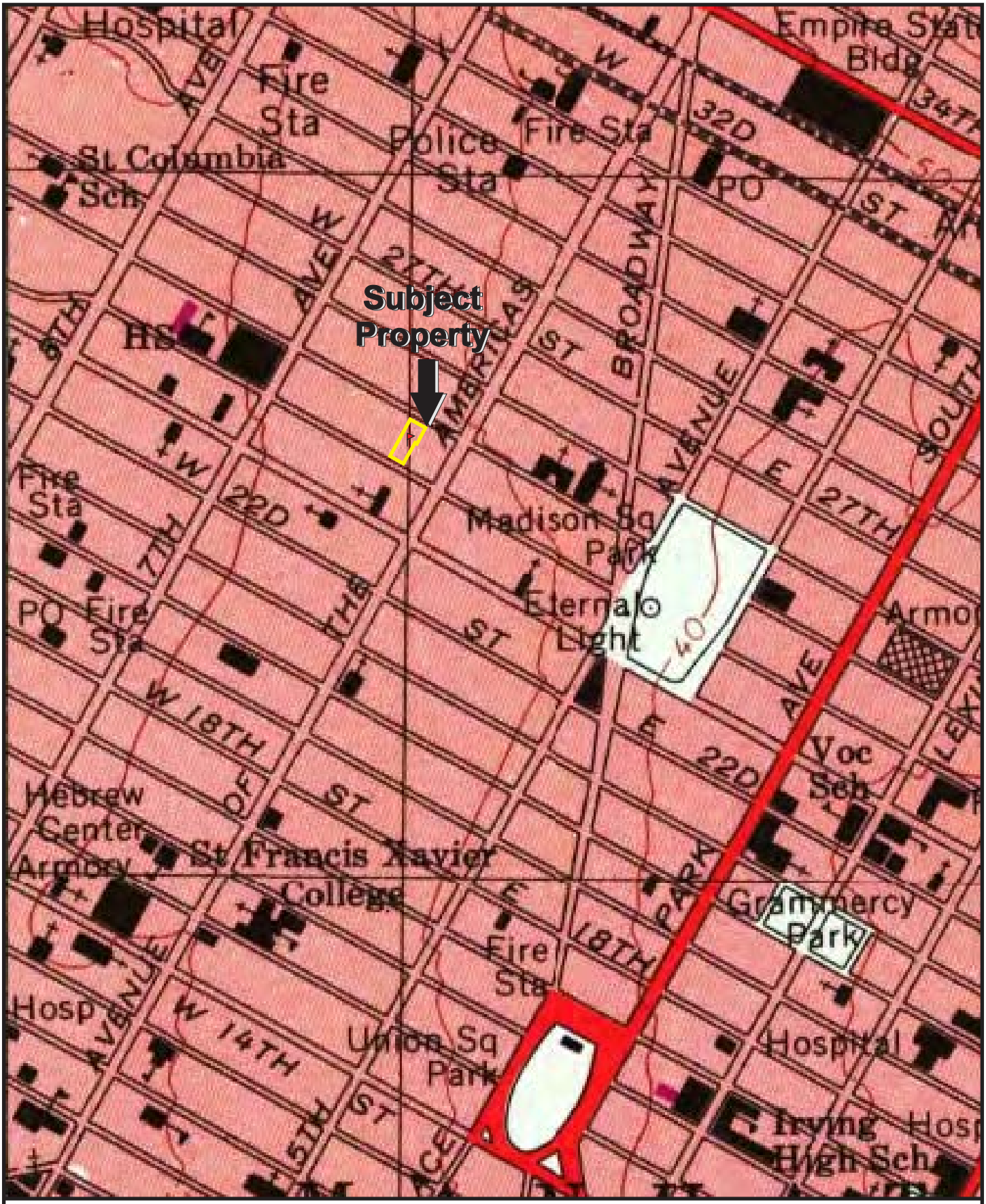
PARTNER



USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1995

FIGURE 3: TOPOGRAPHIC MAP

Project No. 14-129276.1

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APPENDIX A: SITE PHOTOGRAPHS

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1. View of subject property along West 25th Street.

2. View of subject property along West 24th Street.

3. View of subject property along West 25th Street.

4. View of gasoline UST vent pipes.

5. View of cellar level parking area.

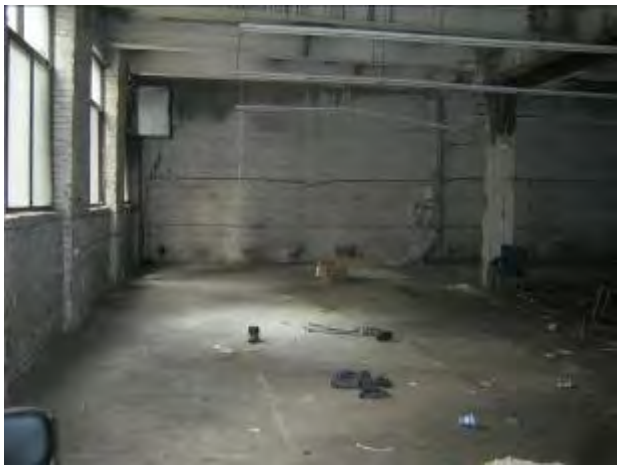
6.View of cellar level parking area.

7. View of electrical room on cellar level.

8. View of hydraulic elevator equipment on cellar level.

9. View of ramp to West 25th Street to the east of the location of the USTs.

10. View of typical bathroom.



11. View of first floor parking area.

12. View of presumed location of USTs under cellar level concrete floor in northeast portion of subject property.

13. View of ramp leading from West 25th Street to second floor parking area.

14. View of ramp leading from West 25th Street to second floor parking area.

15. View of paint storage in first floor office space.

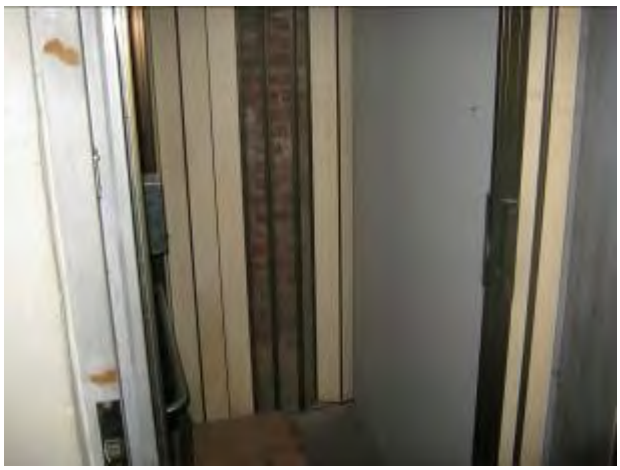
16. View of water damaged ceiling tiles in first floor office space.

17. View of second floor parking area.

18. View of hydraulic lifts (8) on second floor parking area.

19. View of vent pipes leading to roof.

20. View of brick façade leading to roof.



21. View inside hydraulic elevator cab.

22. View of cellar level parking area.

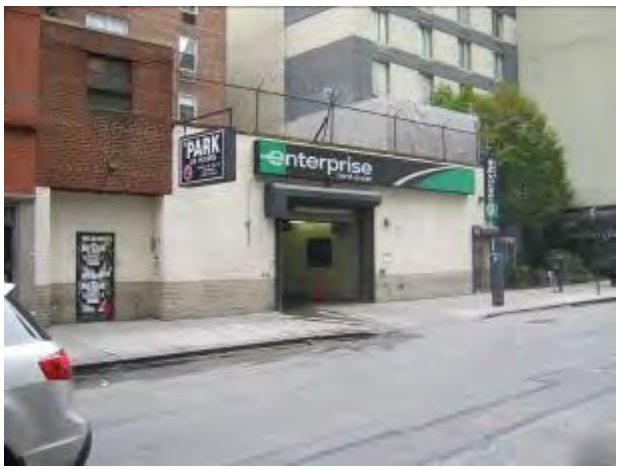
23. View of second floor parking area.

24. View to the east of adjacent property fire escapes.

25. View of northern adjacent properties.

26. View of south adjacent properties.

27. View of western adjacent property.



28. View of south adjacent properties.

29. View of eastern adjacent property.

30. View of western adjacent property.

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

PARTNER

Date: 1924

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER

Date: 1943

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

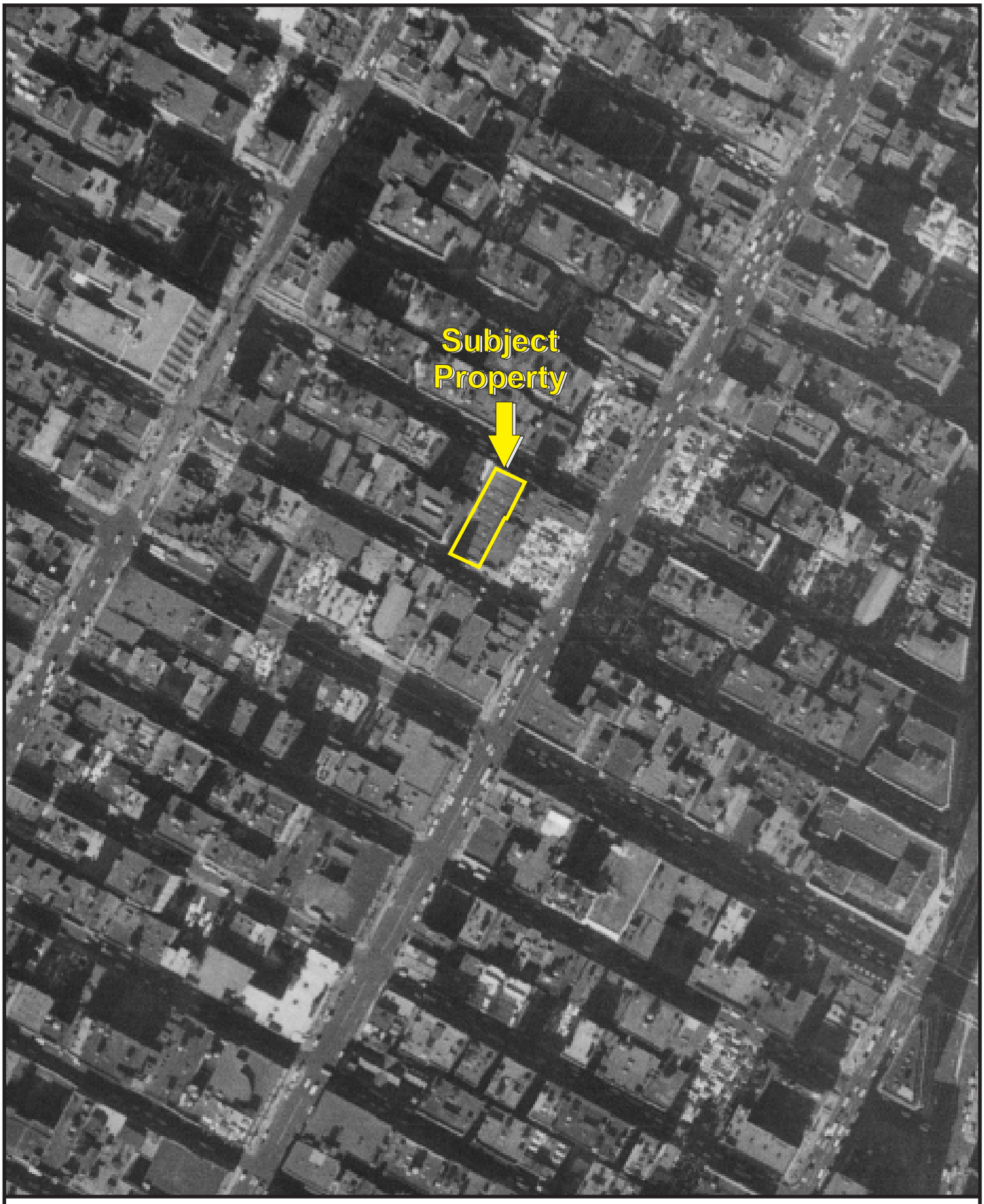
PARTNER

Date: 1954

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER



Date: 1966

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER

Date: 1974

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER

Date: 1984

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER

Date: 2006

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

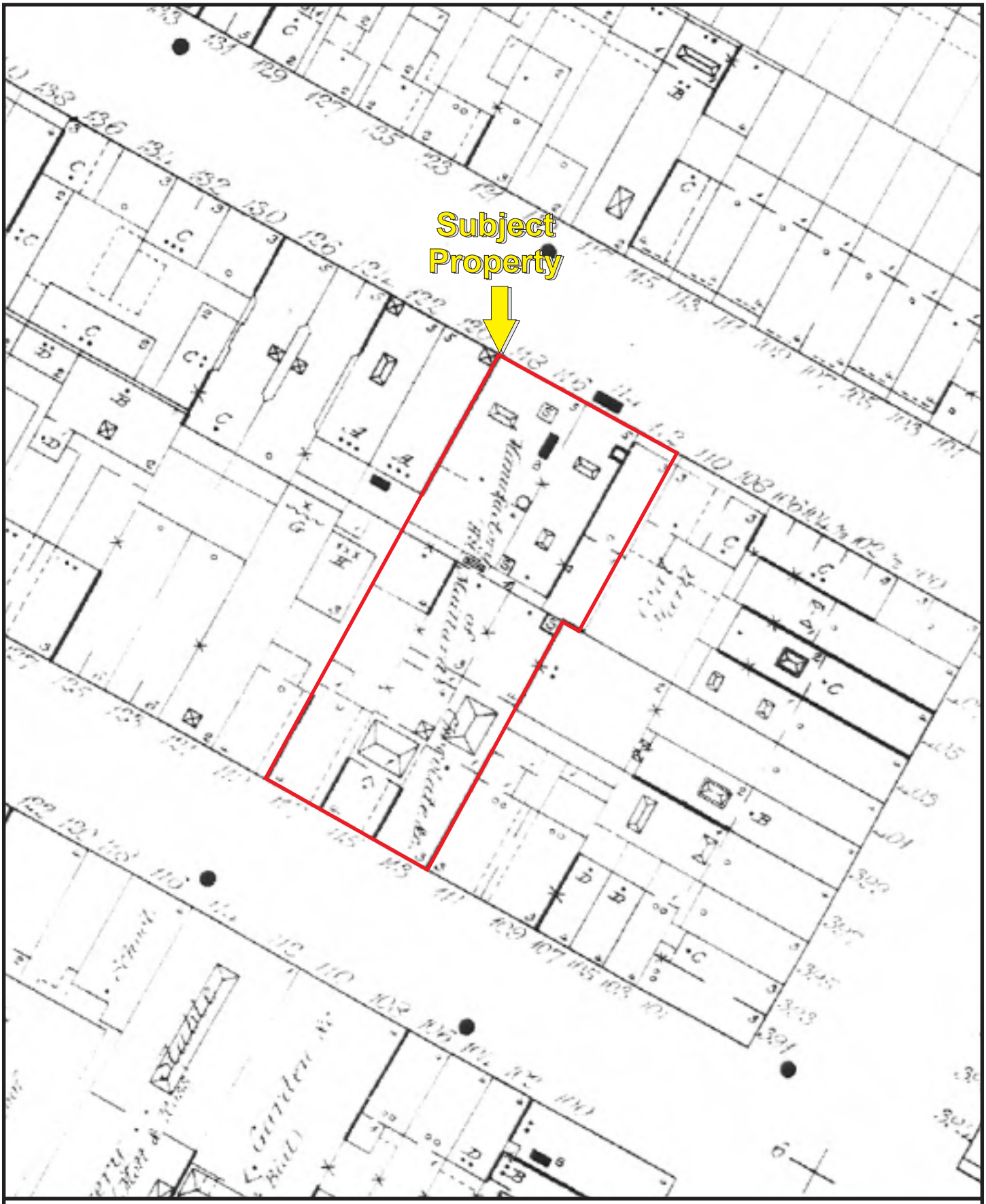
PARTNER

Date: 2011

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER



Date: 1890

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

Date: 1899

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

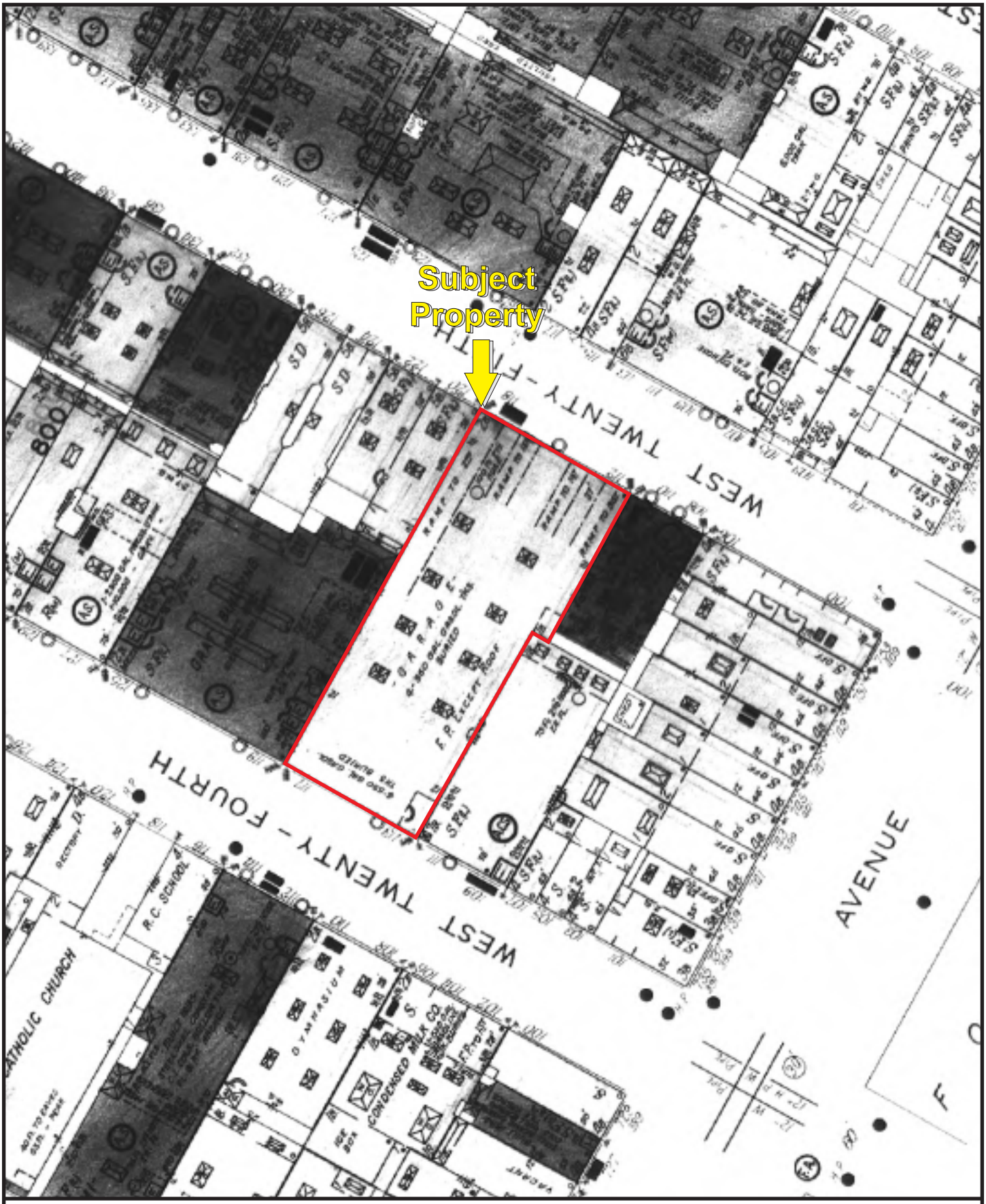
PARTNER

Date: 1911

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER



Date: 1930

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

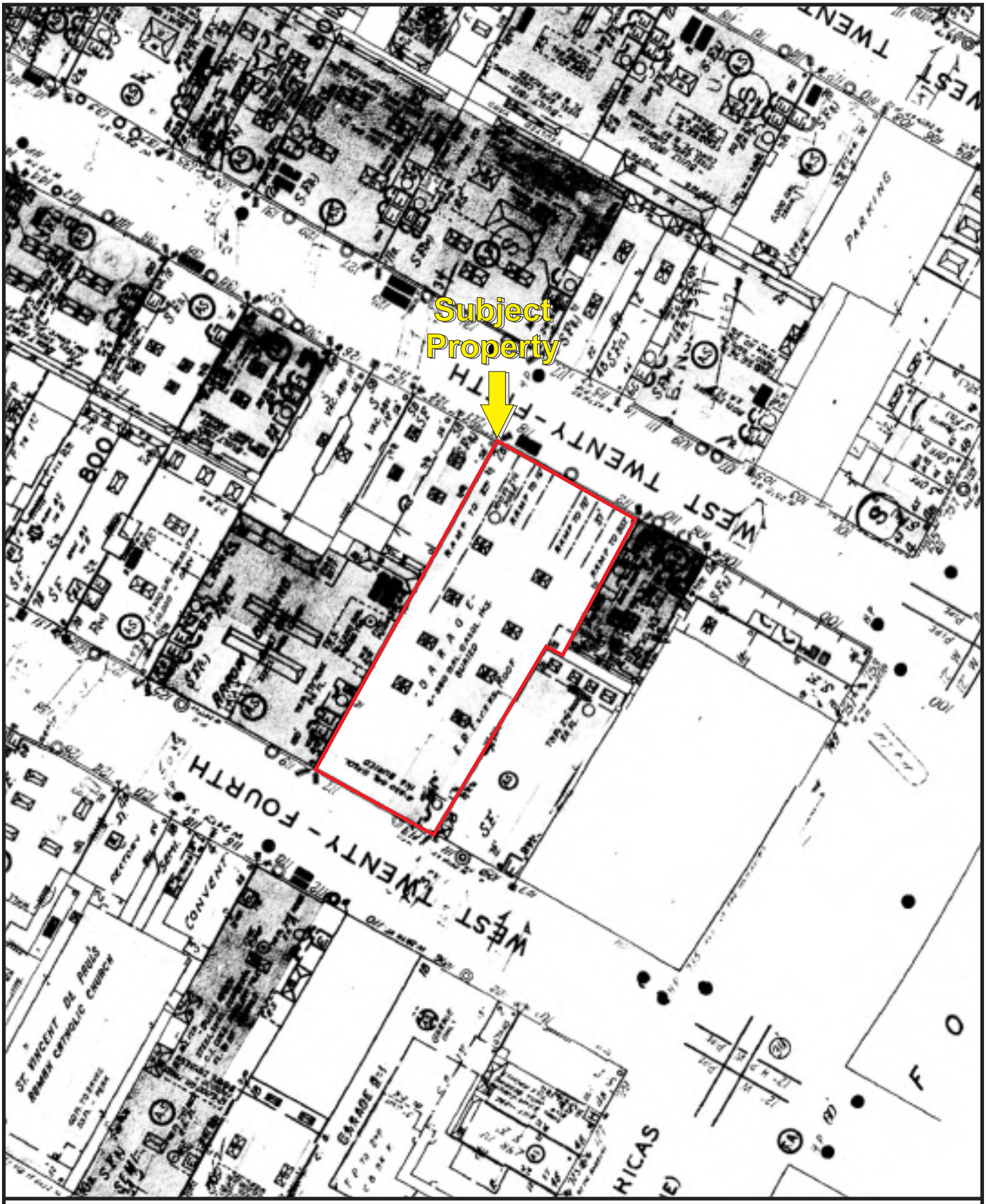
PARTNER

Date: 1950

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

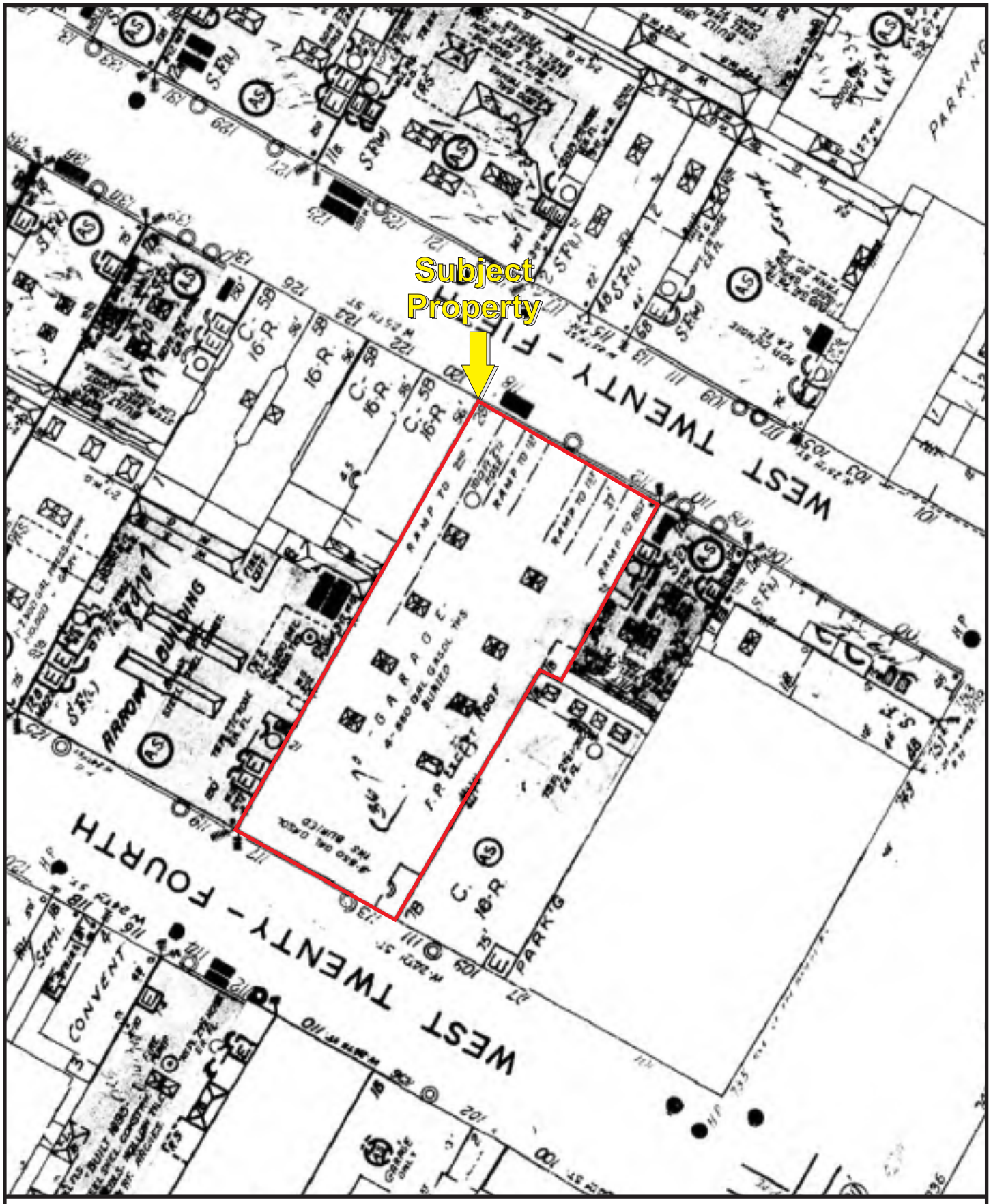


Date: 1976

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

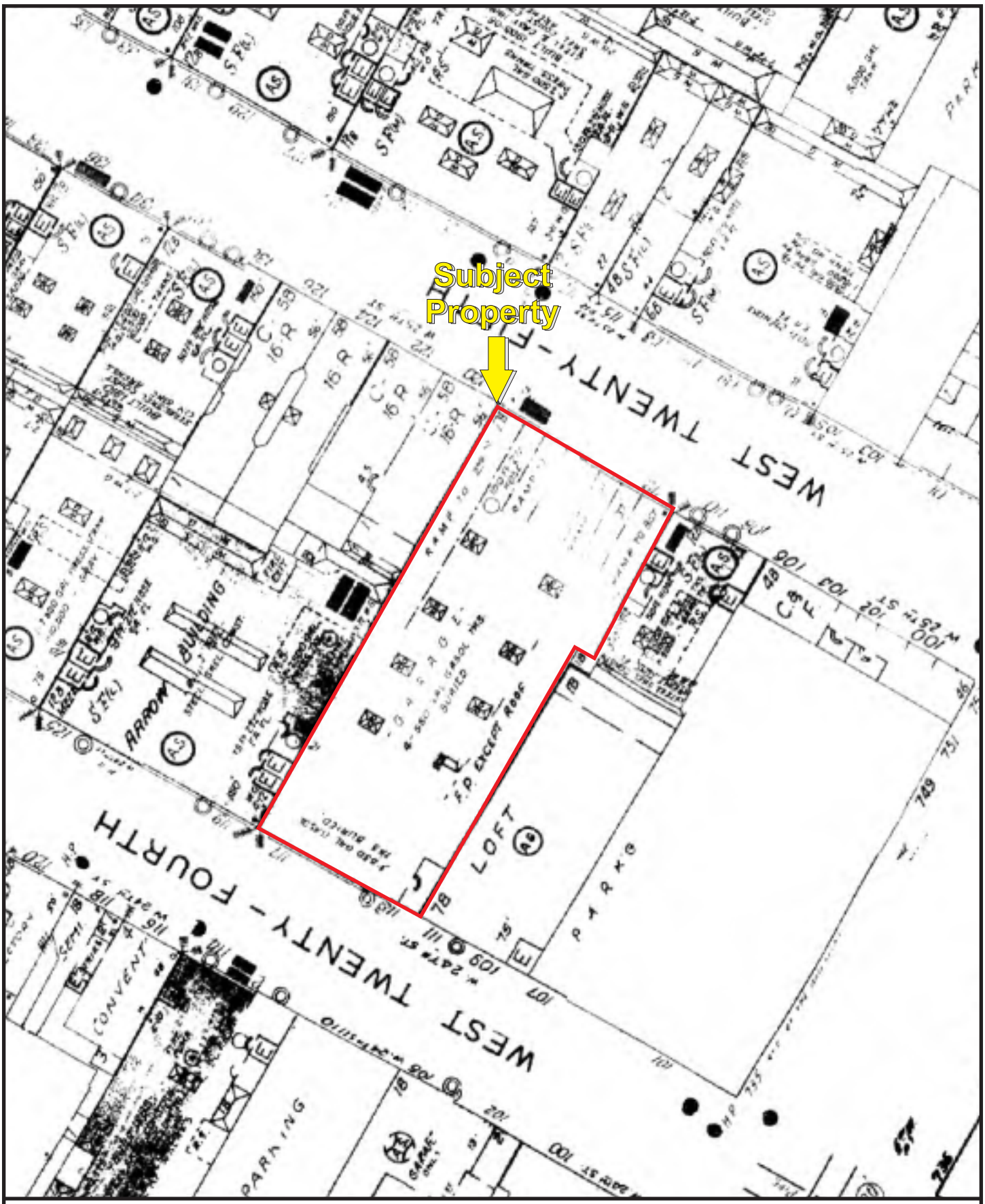


Date: 1987

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

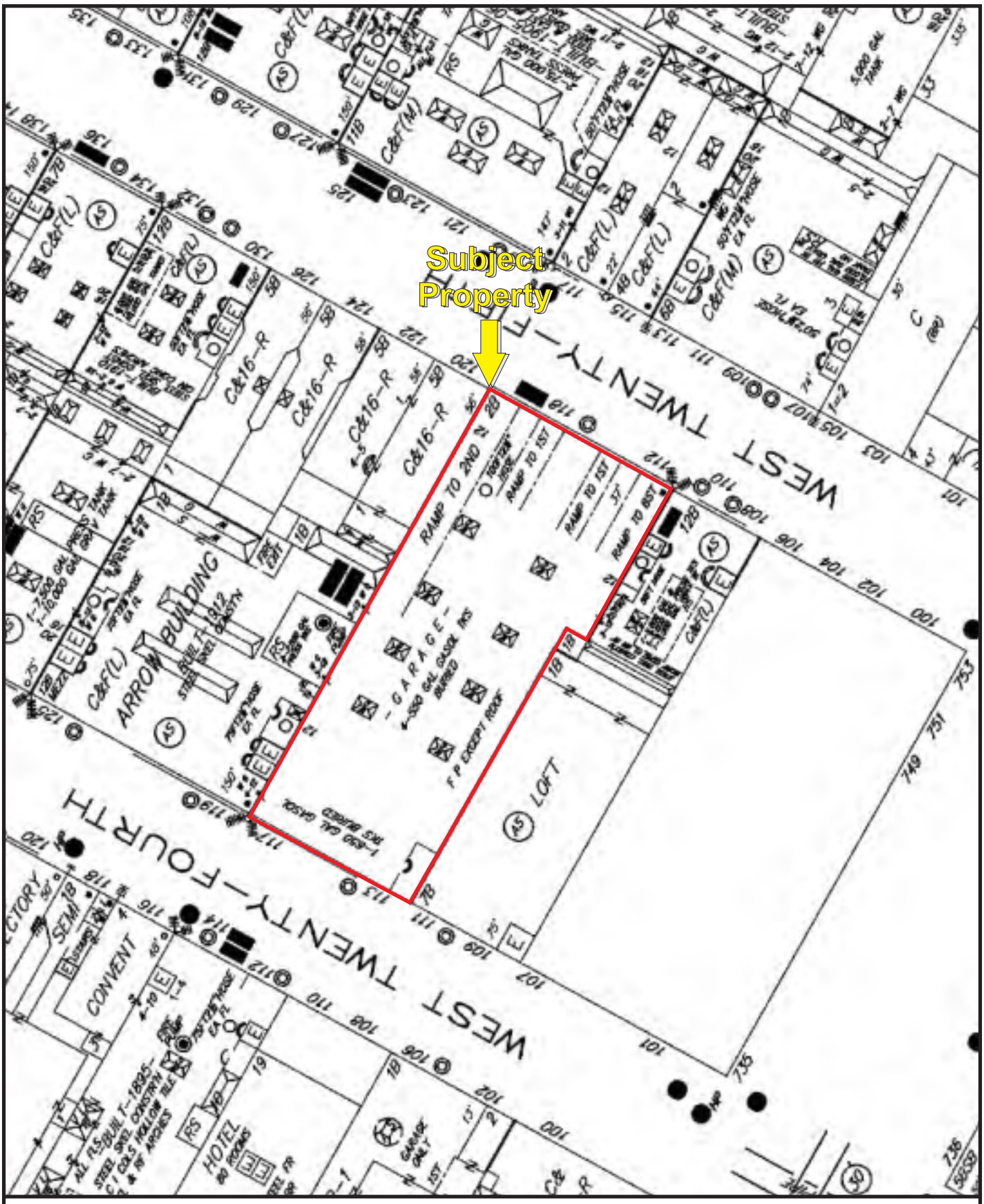


Date: 1996

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER



Date: 2005

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

112 West 25th Street

112 West 25th Street
New York, NY 10001

Inquiry Number: 4124383.6
November 03, 2014

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
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.

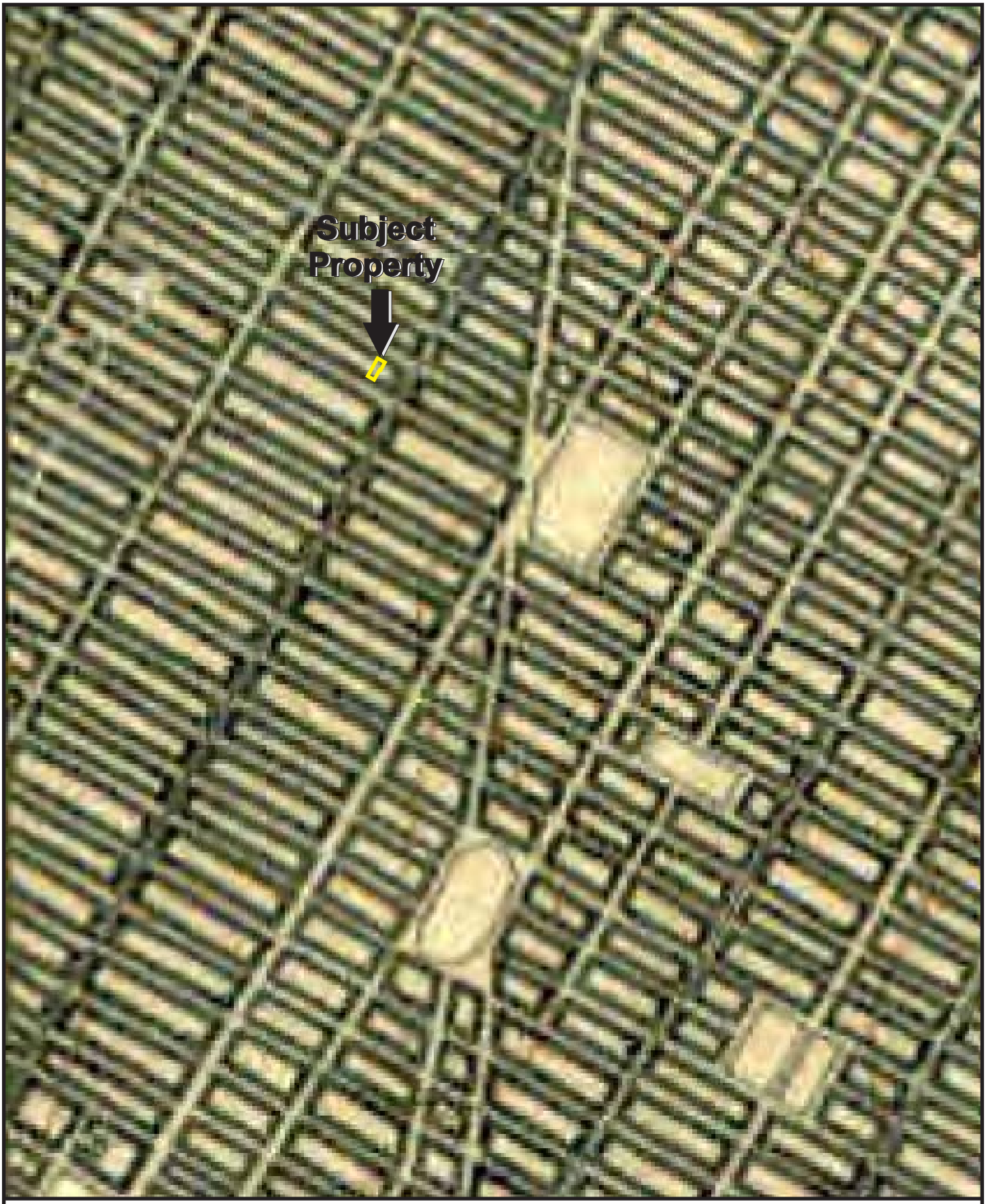
Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified 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
2013	Cole Information Services	X	X	X	-
2008	Cole Information Services	X	X	X	-
2006	Hill-Donnelly Information Services	X	X	X	-
2000	Cole Information Services	X	X	X	-
1998	NYNEX Telephone	X	X	X	-
1996	NYNEX	-	-	-	-
1993	NYNEX Telephone	X	X	X	-
1988	NYNEX Telephone	X	X	X	-
1983	New York Telephone	X	X	X	-
1978	New York Telephone	X	X	X	-
1973	New York Telephone	X	X	X	-
1968	New York Telephone	X	X	X	-
1963	New York Telephone	X	X	X	-
1958	New York Telephone	X	X	X	-
1956	New York Telephone	X	X	X	-
1950	New York Telephone	X	X	X	-
1947	New York Telephone	X	X	X	-
1942	New York Telephone	X	X	X	-
1938	New York Telephone	X	X	X	-
1934	R. L. Polk & Co.	X	X	X	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	-	X	X	-
1927	New York Telephone	X	X	X	-
1923	R. L. Polk & Co.	-	X	X	-
1920	R. L. Polk & Co.	-	X	X	-

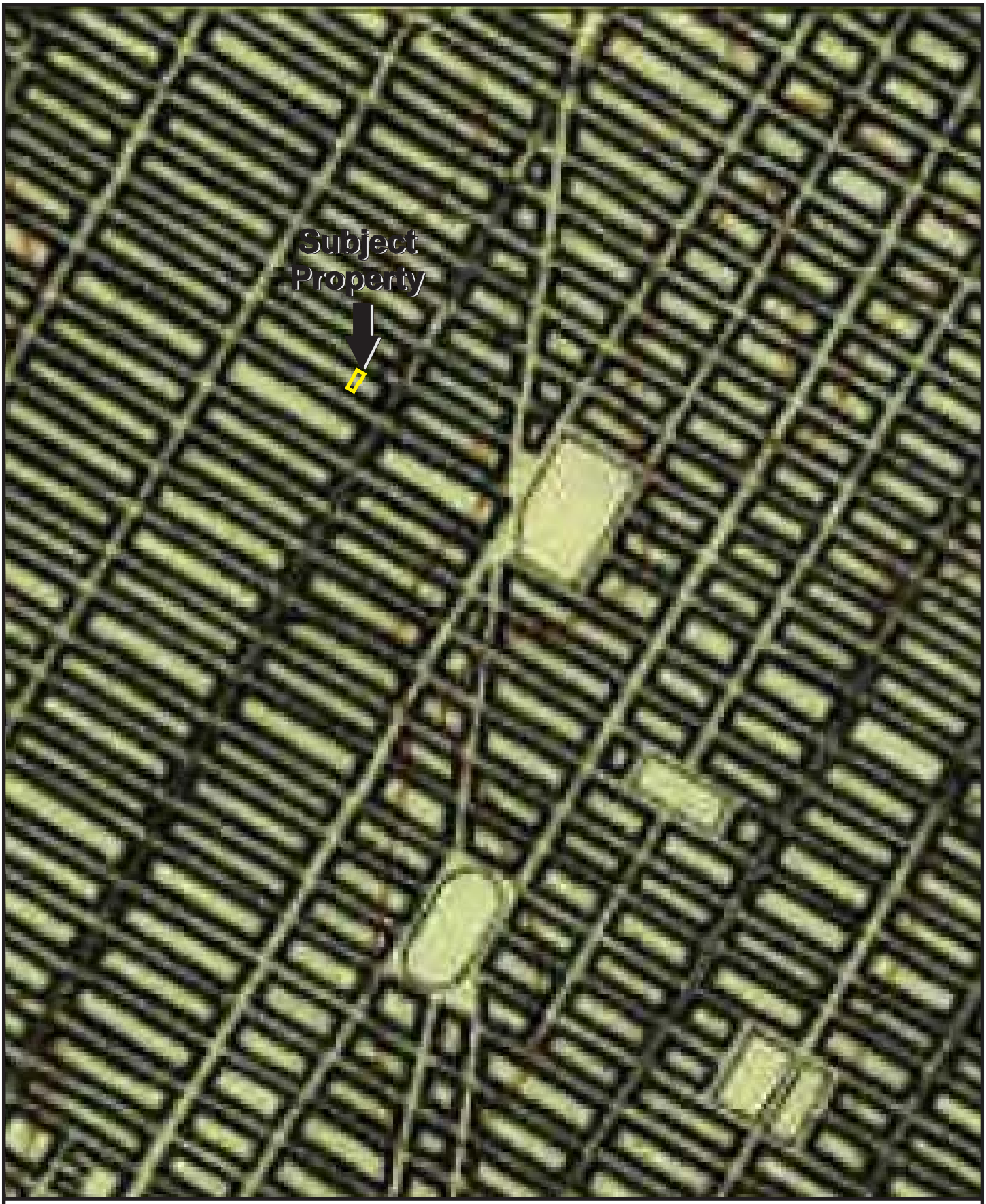


USGS 7.5 Minute *Brooklyn, NY* Quadrangle Created: 1900 Revised: 1924

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER



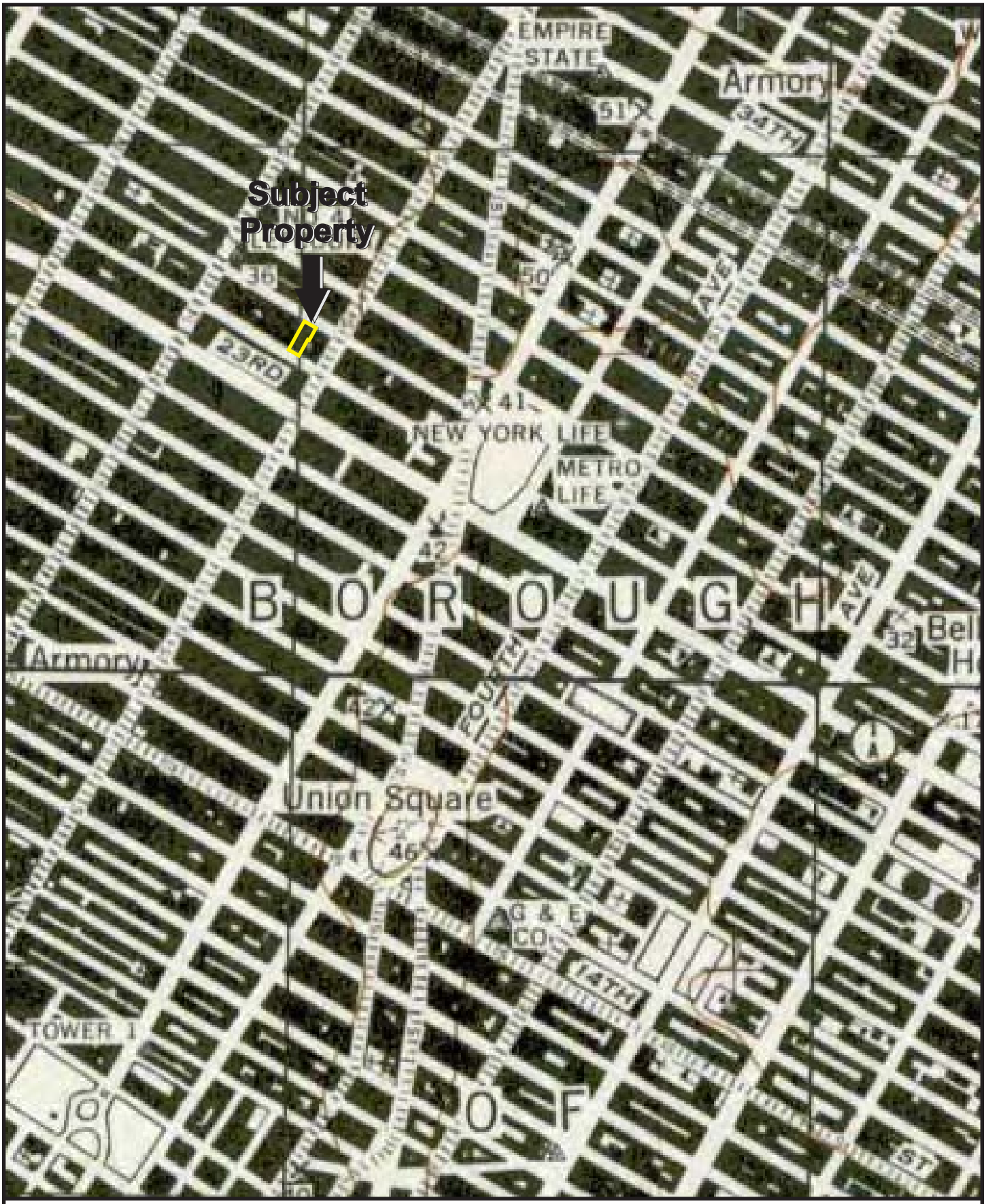
USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1924 Revised: XXXX

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER



USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1947

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER

USGS 7.5 Minute *Brooklyn, NY* Quadrangle | Created: 1956

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER

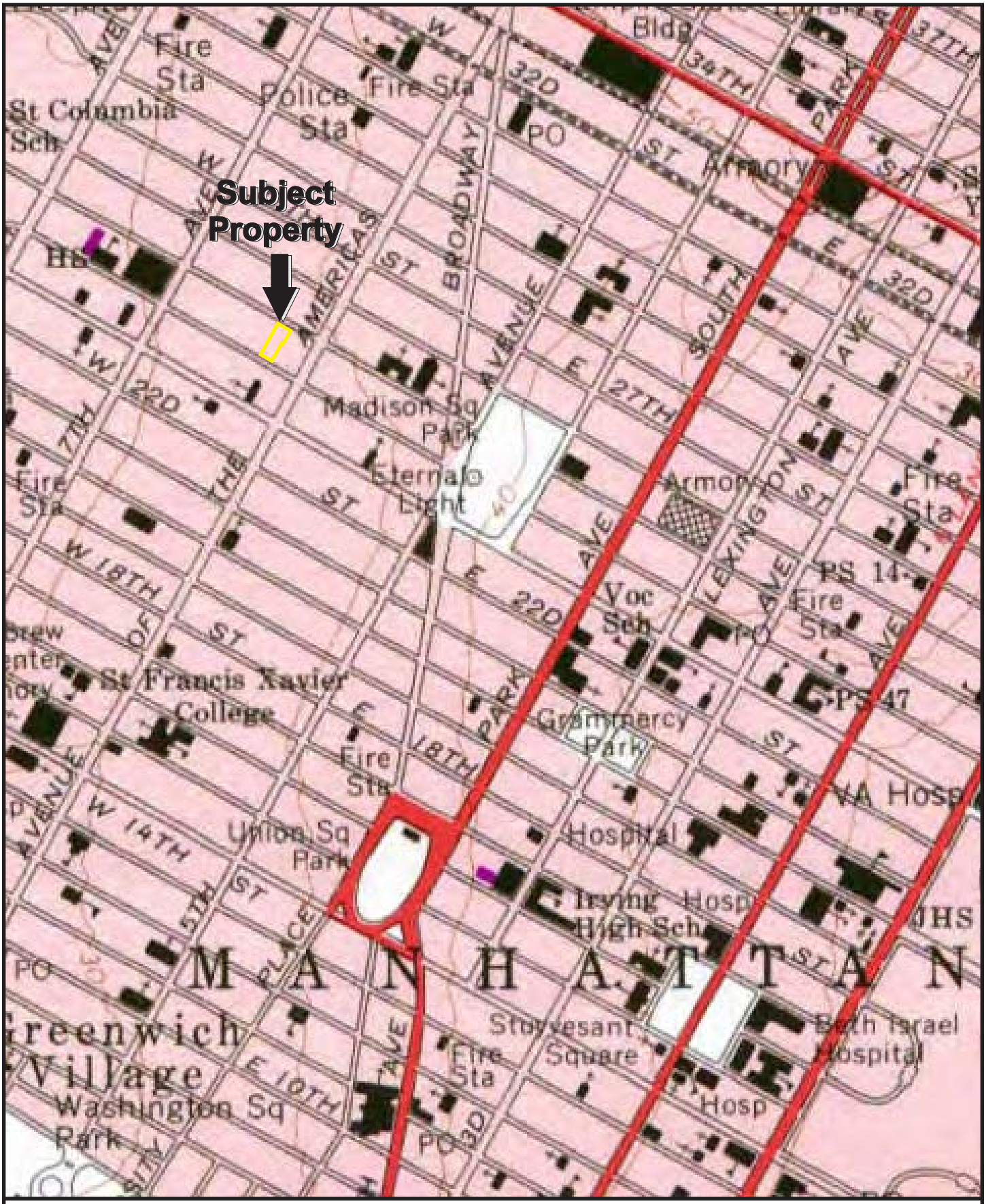
USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1967 Revised: 1979

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER



USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1979

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER

USGS 7.5 Minute *Brooklyn, NY* Quadrangle — Created: 1995

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPLICATION FOR ACCESS TO RECORDS

(See Instructions on Reverse Side)

APPLICANT

- **TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION:**

I hereby apply to inspect the following records under the provisions of the Freedom of Information Law:

Address of Facility or Site (if applicable)
112 West 25 Street, New York, New York 10001 Block - Lot: 800-49
Alt:113-117 West 25th Street & 112-118 West 24th Street
Partner Project # 14-129276.1

Spill No. (if applicable)_____ Facility ID No. (if applicable) _____

PBS No. (if applicable)_____

Other: Please forward all available information regarding USTs/ASTs, spill records, remediation sites, dump sites, storage of hazardous materials, hazardous material activities, groundwater monitoring wells, etc pertaining to the above-referenced site, to us as soon as possible.

After inspection, should I desire copies of all or part of the records inspected, I will identify the records to be copied and hereby offer to promptly pay the established fees. (Cost of reproduction or 25¢ per page as applicable). Contact me if cost will exceed $ 10.00.

Name (Print or type) Ryan Reynics Telephone No. (201) 984-7751 Fax No. (201) 263-4497

Company (if applicable) Partner Engineering & Science E-Mail Address Rreynics@partneresi.com

Mailing Address 10 Mountainview Road, Suite 218 North
Upper Saddle River, NJ 07458

Signature *Ryan Reynics* Date *11/3/2014*

RECORDS CUSTODIAN

TO APPLICANT:

RECORDS PROVIDED

____ The reproduction costs for the records provided $_____

____ Records have been (partially, fully) provided

(If not provided, date when records are expected to be fully provided:_____)

RECORDS NOT AVAILABLE

____ Records cannot be located after a diligent search ____ The Department is not the custodian for records indicated

RECORDS DENIED

I hereby advise that access to the records, or part of the records, has been denied for the reason(s) checked below:

____ Specifically exempt by another statute

____ Would impair present or imminent contract awards or collective bargaining negotiations

____ Compiled for law enforcement purposes

____ Inter-agency or intra-agency materials that are not:

statistical or factual tabulations or data

instructions to staff that affect the public

final agency policy or determinations; or

external audits, including but not limited to audits performed by the comptroller and the Federal government

____ Other exemptions (as applicable)

____ Unwarranted invasion of privacy

____ Trade secrets

____ Could endanger life or safety of any other person

Records Custodian signature_____ Date:_____

INSTRUCTIONS

TO APPLICANT: (The completion of this form is voluntary; however, it will facilitate access to records you seek.)

1. Please identify the specific records you wish to inspect under the "applicant" portion of this form, sign and date in the appropriate place, and give or mail to the Records Access Officer, NYS Department of Environmental Conservation, 625 Broadway, Albany, New York 12233-1500**.** In the alternative, you may send your request electronically to foil@gw.dec.state.ny.us

2. If after inspection you should desire copies, identify to the Records Custodian the specific records to be copied. Make check or money order payable to the "New York State Department of Environmental Conservation" for copies reproduced by the Department.

3. If you are denied access to records or portions of records, you may submit a written appeal to the FOIL Appeals Officer, Department of Environmental Conservation, 625 Broadway, Albany, New York 12233-1500. Such appeal has to be made within 30 days after the denial. Please attach a copy of this form showing the "Records Denied" portion when filing your appeal. The FOIL Appeals Officer will evaluate the appeal and respond in writing to you within ten (10) business days after receipt of the appeal.

TO DEC RECORDS CUSTODIAN:

1. Conduct search for records:
   - 1a. If records requested for inspection are not in the custody of the Department, advise the applicant if possible as to the identity and location of the proper custodial agency.
   - 1b. If records are found, determine accessibility (in accordance with Public Officers Law Section 87.2)

2. After determination of accessibility:
   - 2a. If accessible–make available to applicant for inspection.
   - 2b. If not accessible–complete "Records Denied" portion of this form, make and retain one copy of completed form, and give original to applicant fully explaining reason for denial.

3. If applicant desires copies–collect total cost from applicant, and make copies (or arrange with applicant to have copies made with outside vendor and applicant pays vendor). Originals must be returned to Department Records Custodian(s).

4. If you are not able to respond to a request within five (5) business days, acknowledge receipt of the request in writing by the fifth business day and estimate when your final response will be made. If a request can not be fulfilled within (20) business days from the date of the acknowledgment letter, you must advise the requester of a date certain for completion of the request.

SPECIAL NOTE

See **www.dec.ny.gov/public/373.html** for answers to the most commonly asked questions about DEC and the New York State Freedom of Information Law.

NEW YORK CITY DEPARTMENT OF HEALTH AND MENTAL HYGIENE

For office use only
CONTROL NUMBER:

FREEDOM OF INFORMATION LAW REQUEST FORM

To: Records Access Officer
NYC Department of Health and Mental Hygiene
42-09 28th Street, 14th Floor, CN 31
Long Island City, NY 11101
Phone: (347) 396-6078/6116
Fax: (347) 396-6088
recordsaccess@health.nyc.gov

Date 11 / 3 / 2014

Dear Record Access Officer:

I, Ryan Reynics request copies of any inspection reports and/or records located in the Bureau of Environmental Investigation, of the New York City Department of Health and Mental Hygiene.

The records pertain to:

- [X] Lead Poisoning
- [ ] Animal bite
- [ ] Employment/Human Resources
- [ ] Contracts/RFPs
- [ ] Pest Control
- [ ] Correctional Health
- [ ] Early Intervention
- [ ] Food Safety
- [ ] Mental Health
- [ ] Communicable Diseases
- [ ] School Health
- [ ] Day Care
- [X] Other: Asbestos Violations

Please specify/describe the records you are requesting from the above program(s):

Any and all lead paint or asbestos violations for the following addresses:
Address: 112 West 25 Street, New York, New York - Block: 800 Lot: 49
113-117 West 25th Street & 112-118 West 24th Street

There is a charge of 25¢ per page or actual costs of reproduction, payable in advance.

Requester's Name: Ryan Reynics (Please print) Ryan Reynics (Signature)

Requester's Organization: Partner Assessment Corporation

Requester's Address: 10 Mountainview Road, Suite 218 North (Street) Upper Saddle River (City) NJ (State) 07458 (Zip code)

Telephone Number: (201) 984 - 7751 E-mail: Rreynics@partneresi.com

For more information, please visit: FOIL Requests page.

FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Tanks Section

9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442

Fuel Tank Special Report Request Form

SECTION A CUSTOMER INFORMATION

Please print the required information below.

Ryan Reynics
Name

10 Mountainview Road, Suite 218 North
Address

Upper Saddle River NJ 07458
State Zip Code

201-984-7751
Telephone Number

OFFICE USE ONLY

_____
Cashier / Search No.

PRU Staff
Accepted By/Initials:_____

Searched By:_____

Total Amount:_____

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the NYC Fire Department and a stamped self-addressed envelope (with postage). Mail checks or money orders directly to the address and unit listed above. DO NOT MAIL CASH.

SECTION B FUEL TANK REPORT - FEE $10.00 / PER REPORT

Address: 112 West 25 Street - Block: 800 Lot: 49

113-117 West 25th Street & 112-118 West 24th Street — Manhattan

House Number Street Name Borough

- [X] **THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS**
- [X] **THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS**
- [ ] **THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS**
- [ ] **THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS**
- [ ] **MOST RECENT TANK / PIPING TEST RESULTS**
- [X] **HISTORY OF BURIED TANKS LEAKS**

Note: Requests will be responded to within 10 business days.

PR3 (July-08)

APPENDIX C: REGULATORY DATABASE REPORT

PARTNER

112 West 25th Street
112 West 25th Street
New York, NY 10001

Inquiry Number: 4124383.2s
November 03, 2014

The EDR Radius Map™ Report

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

112 WEST 25TH STREET
NEW YORK, NY 10001

COORDINATES

Latitude (North):	40.7443000 - 40° 44' 39.48''
Longitude (West):	73.9928000 - 73° 59' 34.08''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	585036.5
UTM Y (Meters):	4510649.0
Elevation:	35 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995
North Map:	40073-G8 CENTRAL PARK, NY NJ
Most Recent Revision:	1995
West Map:	40074-F1 JERSEY CITY, NJ NY
Most Recent Revision:	1981
Northwest Map:	40074-G1 WEEHAWKEN, NJ NY
Most Recent Revision:	1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20100731, 20110705
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
112 W 25TH ST 112 W 25TH ST NEW YORK, NY 10001	EDR US Hist Auto Stat	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NY VAPOR REOPENED..... Vapor Intrusion Legacy Site List

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF..... Facility Register

State and tribal leaking storage tank lists

NY HIST LTANKS..... Listing of Leaking Storage Tanks
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

NY CBS UST..... Chemical Bulk Storage Database

NY MOSF UST ..... Major Oil Storage Facilities Database
NY CBS AST ..... Chemical Bulk Storage Database
NY MOSF AST ..... Major Oil Storage Facilities Database
NY MOSF ..... Major Oil Storage Facility Site Listing
NY CBS ..... Chemical Bulk Storage Site Listing
INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

NY ENG CONTROLS ..... Registry of Engineering Controls
NY INST CONTROL ..... Registry of Institutional Controls
NY RES DECL ..... Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP ..... Environmental Restoration Program Listing
NY BROWNFIELDS ..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
NY SWRCY ..... Registered Recycling Facility List
NY SWTIRE ..... Registered Waste Tire Storage & Facility List
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
NY DEL SHWS ..... Delisted Registry Sites
US HIST CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information
NY LIENS ..... Spill Liens Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
NY Hist Spills ..... SPILLS Database
NY SPILLS 90 ..... SPILLS 90 data from FirstSearch
NY SPILLS 80 ..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
NY UIC	Underground Injection Control Wells
NY SPDES	State Pollutant Discharge Elimination System
NY AIRS	Air Emissions Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
NY COAL ASH	Coal Ash Disposal Site Listing
NY Financial Assurance	Financial Assurance Information Listing
PCB TRANSFORMER	PCB Transformer Registration Database
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
2020 COR ACTION	2020 Corrective Action Program List
COAL ASH DOE	Steam-Electric Plant Operation Data
LEAD SMELTERS	Lead Smelter Sites
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA LF	Recovered Government Archive Solid Waste Facilities List
NY RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 1/2 - 1 (0.932 mi.)***	***0***	***8***

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there are 3 CERC-NFRAP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INTERNATIONAL DIAL CO INC	***22 W 19TH ST***	***S 1/4 - 1/2 (0.352 mi.)***	***DK658***	***1604***
AMERICAN RADIUM INDUSTRIES	43 WEST 16 TH STREET	S 1/4 - 1/2 (0.445 mi.)	689	1658

Lower Elevation	Address	Direction / Distance	Map ID	Page
FEDERAL BUILDING THE	***252 7TH AVE***	***WNW 1/8 - 1/4 (0.126 mi.)***	***T203***	***458***

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
200 FIFTH AVENUE LLC	***200 FIFTH AVENUE***	***SE 1/8 - 1/4 (0.230 mi.)***	***CB545***	***1354***

Lower Elevation	Address	Direction / Distance	Map ID	Page
125 WEST 21ST STREET - ALCHEMY	***121-129 W 21ST ST***	***SSW 1/8 - 1/4 (0.188 mi.)***	***BC380***	***955***

EXECUTIVE SUMMARY

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 7 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MTA NYCT - 23RD STREET STATION	W 23RD ST & 6TH AVE	S 0 - 1/8 (0.097 mi.)	L125	294
HOME DEPOT USA INC HD6175	***40 W 23RD ST***	***SE 1/8 - 1/4 (0.195 mi.)***	***BG409***	***1030***
B SQUARED INC	104 W 29TH ST - 7TH FLO	NE 1/8 - 1/4 (0.214 mi.)	BL472	1198
MTA NYCT - FAN PLTS #8B(6356)&	W 29TH & 6TH AVE	NE 1/8 - 1/4 (0.217 mi.)	BL503	1265

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON AT FASHION INSTITUT	***227 W 27TH ST***	***NNW 1/8 - 1/4 (0.207 mi.)***	***BM450***	***1117***
ONEILL CONDOMINIUM	***655 6TH AVE***	***SSW 1/8 - 1/4 (0.224 mi.)***	***CK531***	***1328***
SWAN'S II CLEANERS	***181 7TH AVENUE***	***WSW 1/8 - 1/4 (0.237 mi.)***	***CE586***	***1448***

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 16 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON MANHOLE: 56445	W 26TH ST 228 FEET E OF	ENE 0 - 1/8 (0.059 mi.)	H57	151
DAN KANE PLATING INC	***115 W 27TH ST 2ND FLOOR***	***NE 0 - 1/8 (0.116 mi.)***	***U165***	***389***
LAW & ORDER - CRIMINAL INTENT	***PIER 61 W 23RD ST AT WE***	***SSE 1/8 - 1/4 (0.148 mi.)***	***AH271***	***662***
ADAMS & CO REAL ESTATE INC	***53 W 23RD ST 8TH FLOOR***	***SSE 1/8 - 1/4 (0.162 mi.)***	***AQ289***	***728***
CON EDISON SERVICE BOX: 4273	***37 W 23RD ST***	***SE 1/8 - 1/4 (0.188 mi.)***	***BG379***	***953***
HORAN ENGRAVING CO INC	***44 W 28TH ST***	***ENE 1/8 - 1/4 (0.202 mi.)***	***BQ425***	***1068***
KIM JOHN RESIDENCE	***15 W 24TH ST - 6TH FLOO***	***SE 1/8 - 1/4 (0.204 mi.)***	***BE433***	***1090***
NYCT - 28TH ST STATION N/R LIN	***COR OF 28TH ST & BROADW***	***ENE 1/8 - 1/4 (0.224 mi.)***	***CJ528***	***1324***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WALGREEN CO #14293	***140 W 23RD ST***	***SW 0 - 1/8 (0.089 mi.)***	***N111***	***267***
23 FRENCH DRY CLEANERS	***169 W 23RD ST***	***WSW 0 - 1/8 (0.108 mi.)***	***R143***	***323***
DARBERT CORP	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.140 mi.)***	***AC238***	***546***
SCHOOL OF VISUAL ARTS	***141 W 21ST ST***	***SSW 1/8 - 1/4 (0.182 mi.)***	***BC344***	***850***
SCHOOL OF VISUAL ARTS	***133-141 W 21ST ST***	***SSW 1/8 - 1/4 (0.182 mi.)***	***BC346***	***870***
SCHOOL OF VISUAL ARTS	132-136 W 21ST ST	SSW 1/8 - 1/4 (0.187 mi.)	BC377	949
CON EDISON	***220 W 27TH ST***	***NNW 1/8 - 1/4 (0.197 mi.)***	***BM414***	***1053***
PIERMONT CLEANERS	***188 7TH AVE***	***WSW 1/8 - 1/4 (0.222 mi.)***	***CE522***	***1299***

State- and tribal - equivalent CERCLIS

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 07/16/2014 has revealed that there is 1 NY SHWS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER GUARDIAN CLEANERS	27-35 WEST 24TH STREET	SE 1/8 - 1/4 (0.184 mi.)	BE353	887

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 05/19/2014 has revealed that there are 127 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
734-754 AVE OF AMERICAS Spill Number/Closed Date: 8912052 / 12/31/2001	750 6TH AVE	E 0 - 1/8 (0.051 mi.)	D44	128
131 WEST 26TH STREET Spill Number/Closed Date: 9811447 / 2/11/1999	131 WEST 26TH STREET	NNE 0 - 1/8 (0.066 mi.)	I72	194
135 WEST 26TH STREET Spill Number/Closed Date: 0009418 / 11/17/2000	135 WEST 26TH ST	NNE 0 - 1/8 (0.066 mi.)	I76	199
SPILL NUMBER 0208834 Spill Number/Closed Date: 0208834 / 4/8/2004	142 WEST 26TH ST	N 0 - 1/8 (0.070 mi.)	I85	218
CHELSEA HOUSES -NYCHA Spill Number/Closed Date: 9806339 / 8/27/2013	***431 WEST 25TH ST***	***E 0 - 1/8 (0.095 mi.)***	***Q118***	***283***
COMMERCIAL BLDG Spill Number/Closed Date: 9900203 / 11/29/2002	55 W 26TH ST	ENE 0 - 1/8 (0.111 mi.)	V146	340
SPILL NUMBER 9814178 Spill Number/Closed Date: 9808491 / 10/20/1998	***115 WEST 27TH ST***	***NE 0 - 1/8 (0.116 mi.)***	***U161***	***366***
115 W 27TH ST CO Spill Number/Closed Date: 9808374 / 5/30/2006	***115 W 27TH ST***	***NE 0 - 1/8 (0.116 mi.)***	***U162***	***368***
DAN KANE PLATING INC Spill Number/Closed Date: 0514291 / 4/28/2006	***115 WEST 27TH STREET***	***NE 0 - 1/8 (0.116 mi.)***	***U164***	***377***
COMMERCIAL BUILDING Spill Number/Closed Date: 0313783 / 4/2/2004	153 WEST 27TH STREET	N 0 - 1/8 (0.122 mi.)	S175	416
JUSTIN PROPERTIES Spill Number/Closed Date: 0007013 / 3/4/2003	153 W 27TH ST	N 0 - 1/8 (0.122 mi.)	S176	418
CONSTRUCTION SITE Spill Number/Closed Date: 0007926 / 5/27/2003	56-74 W 23RD ST	S 0 - 1/8 (0.124 mi.)	AB197	451

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APARTMENT/COMMERCIAL Spill Number/Closed Date: 0404673 / 3/7/2006	109 WSET 27TH STREET	NNE 1/8 - 1/4 (0.129 mi.)	U208	468
50 W 23RD ST Spill Number/Closed Date: 9600169 / 1/5/2000	50 W 23RD ST	SSE 1/8 - 1/4 (0.143 mi.)	AH247	582
ACE ATLAS Spill Number/Closed Date: 0608788 / 3/22/2007	48 WEST 25TH STREET	ESE 1/8 - 1/4 (0.145 mi.)	AI258	612
SPILL NUMBER 0208979 Spill Number/Closed Date: 0208979 / 12/3/2002	28 WEST 27TH ST	ENE 1/8 - 1/4 (0.146 mi.)	AJ263	630
SPILL NUMBER 9914234 Spill Number/Closed Date: 9914234 / 3/20/2000	49/51 W. 24TH ST	SE 1/8 - 1/4 (0.149 mi.)	AN274	685
STORE Spill Number/Closed Date: 9815530 / 8/4/2000	48 WEST 27TH STREET	ENE 1/8 - 1/4 (0.163 mi.)	AJ292	737
OFFICE BUILDING Spill Number/Closed Date: 0410691 / 8/10/2006	45 WEST 27TH STREET	ENE 1/8 - 1/4 (0.177 mi.)	AW326	808
UNKNOWN TTF Spill Number/Closed Date: 1010552 / 4/19/2011	12 WEST 27TH ST	E 1/8 - 1/4 (0.190 mi.)	BI387	980
12 WEST 27TH STREET Spill Number/Closed Date: 9508284 / 3/10/2010	***12 WEST 27TH STREET***	***E 1/8 - 1/4 (0.190 mi.)***	***BI388***	***981***
SPILL NUMBER 9812742 Spill Number/Closed Date: 9812742 / 1/18/1999	12 W 27TH ST	E 1/8 - 1/4 (0.190 mi.)	BI389	983
APARTMENT BUILDING Spill Number/Closed Date: 0311861 / 9/10/2004	1141 BROADWAY	E 1/8 - 1/4 (0.201 mi.)	BP422	1063
ROTTEN VENT PIPE - TTF Spill Number/Closed Date: 1206250 / Not Reported	38 WEST 28 TH ST	ENE 1/8 - 1/4 (0.206 mi.)	BQ444	1108
28-28 WEST 28TH ST Spill Number/Closed Date: 8805273 / 9/30/1992 Spill Number/Closed Date: 8805274 / 9/30/1992	28-28 WEST 28TH STREET	ENE 1/8 - 1/4 (0.217 mi.)	BQ496	1253
1170 BROADWAY Spill Number/Closed Date: 0209935 / 5/11/2005	1170 BROADWAY	ENE 1/8 - 1/4 (0.217 mi.)	BZ497	1255
1200 BROADWAY Spill Number/Closed Date: 9706587 / 9/3/1997	***1200 BROADWAY***	***ENE 1/4 - 1/2 (0.253 mi.)***	***CY622***	***1532***
FISHKIN HOME Spill Number/Closed Date: 0412444 / 3/15/2006	130 WEST 30TH STREET	NNE 1/4 - 1/2 (0.258 mi.)	DA623	1534
1204 BROADWAY Spill Number/Closed Date: 0803745 / 12/1/2008	***1204 BROADWAY***	***ENE 1/4 - 1/2 (0.260 mi.)***	***CY624***	***1536***
SPILL NUMBER 0008171 Spill Number/Closed Date: 0008171 / 7/25/2001	178-180 5TH AV	SE 1/4 - 1/2 (0.268 mi.)	DC625	1539
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 8906957 / 3/6/2003	167 NORTH 5TH STREET	SE 1/4 - 1/2 (0.270 mi.)	DC626	1540
12 WEST 21ST ST Spill Number/Closed Date: 1010551 / 4/19/2011	***12 WEST 21ST ST***	***SSE 1/4 - 1/2 (0.271 mi.)***	***627***	***1541***
APARTMENT BUILDING Spill Number/Closed Date: 0608561 / 12/18/2006	166 FIFTH AVENUE	SSE 1/4 - 1/2 (0.276 mi.)	629	1548
TRAPER'S INCORPORATED Spill Number/Closed Date: 8709868 / 10/7/1992	135 WEST 30TH STREET	NNE 1/4 - 1/2 (0.280 mi.)	631	1551
OFFICE BUILDING Spill Number/Closed Date: 0312186 / 8/15/2005	245 5TH AVE	E 1/4 - 1/2 (0.284 mi.)	632	1552

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
30TH ST & BROADWAY/MANH Spill Number/Closed Date: 9010217 / 12/20/1990	30TH ST & BROADWAY	NE 1/4 - 1/2 (0.285 mi.)	633	1553
RETAIL BUSINESS Spill Number/Closed Date: 0409245 / 11/19/2004	36 WEST 20TH STREET	S 1/4 - 1/2 (0.290 mi.)	634	1554
LIVE BAIT RESTERAUNT Spill Number/Closed Date: 0401599 / 4/19/2007	14 EAST 23RD STREET	SE 1/4 - 1/2 (0.308 mi.)	641	1564
120 WEST 31ST ST Spill Number/Closed Date: 9905948 / 4/5/2006	120 WEST 31ST ST	NNE 1/4 - 1/2 (0.309 mi.)	DF642	1567
APARTMENT BUILDING - TTF Spill Number/Closed Date: 1205628 / Not Reported	132 WEST 31ST STREET	NNE 1/4 - 1/2 (0.310 mi.)	DF643	1568
PRIVATE RESIDENCE Spill Number/Closed Date: 0409184 / 11/29/2005	261 5TH AVE	E 1/4 - 1/2 (0.311 mi.)	DG644	1570
261 5TH AVE //ALSO SEE 0409184 Spill Number/Closed Date: 0409482 / 12/13/2004	261 5TH AVE	E 1/4 - 1/2 (0.312 mi.)	DG645	1571
MADISON - GREEN CONDO Spill Number/Closed Date: 8804440 / 8/23/1988	5 E 22ND ST	SE 1/4 - 1/2 (0.312 mi.)	646	1572
MANH EAST SUITE HOTEL Spill Number/Closed Date: 8900752 / 4/25/1989	371 7TH AVENUE	N 1/4 - 1/2 (0.312 mi.)	647	1573
COMMERCIAL LOCATION Spill Number/Closed Date: 0006542 / 8/21/2008	875 6TH AV	NE 1/4 - 1/2 (0.314 mi.)	648	1574
X Spill Number/Closed Date: 0209007 / 12/5/2005	149 5TH AVE	SSE 1/4 - 1/2 (0.316 mi.)	649	1577
EMPIRE STATE LOFTS, LTD Spill Number/Closed Date: 0502173 / 6/23/2005	***11 WEST 30TH STREET***	***ENE 1/4 - 1/2 (0.326 mi.)***	***653***	***1590***
SPILL NUMBER 0200982 Spill Number/Closed Date: 0200982 / 11/7/2002	***276 5TH AVE***	***ENE 1/4 - 1/2 (0.344 mi.)***	***654***	***1597***
CONDO SITE Spill Number/Closed Date: 0011666 / 5/27/2003	***23-25 EAST 21ST ST***	***SSE 1/4 - 1/2 (0.358 mi.)***	***DL661***	***1610***
BUSINESS Spill Number/Closed Date: 9910697 / 12/22/1999	34 EAST 23RD ST	SE 1/4 - 1/2 (0.361 mi.)	DM662	1614
29 EAST 21ST STREET Spill Number/Closed Date: 9509065 / 10/23/1995	***29 EAST 21ST ST***	***SSE 1/4 - 1/2 (0.365 mi.)***	***DL665***	***1619***
MAJESTIC ROSE Spill Number/Closed Date: 0210555 / 1/2/2004 Spill Number/Closed Date: 0210483 / 1/21/2003	76 MADISON AV	E 1/4 - 1/2 (0.372 mi.)	667	1623
36 EAST 23TH ST. Spill Number/Closed Date: 9315499 / 3/31/1994	36 EAST 23TH ST.	SE 1/4 - 1/2 (0.381 mi.)	DM668	1626
102 MADISON AVE/MANH Spill Number/Closed Date: 9013232 / 3/31/1995 Spill Number/Closed Date: 9013196 / 3/31/1995	102 MADISON AVENUE	E 1/4 - 1/2 (0.390 mi.)	670	1629
SPILL NUMBER 0011353 Spill Number/Closed Date: 0011353 / 1/18/2001	12 WEST 18TH ST	S 1/4 - 1/2 (0.393 mi.)	DN671	1631
SPILL NUMBER 0212511 Spill Number/Closed Date: 0212491 / 5/6/2005	***48 EAST 21ST STREET***	***SSE 1/4 - 1/2 (0.393 mi.)***	***672***	***1632***
12 WEST 18TH STREET Spill Number/Closed Date: 0209822 / 8/30/2005	12 WEST 18TH ST	S 1/4 - 1/2 (0.393 mi.)	DN673	1636
12 EAST 32ND STREET/MANHA Spill Number/Closed Date: 8807249 / 12/4/1992	12 EAST 32ND STREET	ENE 1/4 - 1/2 (0.406 mi.)	674	1638

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 9914457 Spill Number/Closed Date: 9914457 / 3/22/2000	29 WEST 17TH ST	S 1/4 - 1/2 (0.414 mi.)	DO676	1640
99 MADISON AVE Spill Number/Closed Date: 9808216 / 4/21/2003	99 MADISON AVE	E 1/4 - 1/2 (0.416 mi.)	677	1641
26 WEST 17TH ST/ACE ATLAS Spill Number/Closed Date: 8800557 / 12/29/1988	26 WEST 17TH ST	S 1/4 - 1/2 (0.417 mi.)	DO678	1642
890 BROADWAY CONDO TTF Spill Number/Closed Date: 1108502 / 12/22/2011	890 BROADWAY	SSE 1/4 - 1/2 (0.429 mi.)	681	1646
SPILL NUMBER 0104856 Spill Number/Closed Date: 0104856 / 12/12/2003 Spill Number/Closed Date: 1100694 / 12/20/2012	120 MADISON AV	E 1/4 - 1/2 (0.435 mi.)	682	1647
APARTMENT BUILDING Spill Number/Closed Date: 0313041 / 5/26/2004	280 PARK AVE SOUTH	SE 1/4 - 1/2 (0.453 mi.)	694	1663
SPILL NUMBER 0208080 Spill Number/Closed Date: 0208080 / 11/4/2002	105 E 26TH ST	ESE 1/4 - 1/2 (0.454 mi.)	695	1665
SPILL NUMBER 9903174 Spill Number/Closed Date: 9903174 / 8/25/2003	28 E 31ST ST	ENE 1/4 - 1/2 (0.456 mi.)	DS696	1666
89 5TH AVENUE Spill Number/Closed Date: 9410087 / 10/28/1994	89 5TH AVENUE	S 1/4 - 1/2 (0.459 mi.)	697	1667
IN SEWER BEHIND Spill Number/Closed Date: 9903175 / 6/18/1999	131 MADISON AVE	ENE 1/4 - 1/2 (0.459 mi.)	DS700	1671
419 PARK AVE SOUTH Spill Number/Closed Date: 0210827 / 1/30/2003	419 PARK AVE SOUTH	E 1/4 - 1/2 (0.481 mi.)	DU706	1682
339 5TH AVENUE Spill Number/Closed Date: 9309720 / 11/12/1993	339 5TH AVENUE	ENE 1/4 - 1/2 (0.483 mi.)	707	1683
APT BUILDING Spill Number/Closed Date: 1012263 / 4/8/2011	257 PARK AVE SOUTH	SE 1/4 - 1/2 (0.486 mi.)	DV709	1687
E32ND ST ON THE STREET Spill Number/Closed Date: 9812034 / 3/3/2003	E.32ND ST/ MADISON AVE	ENE 1/4 - 1/2 (0.491 mi.)	711	1692
116 EAST 27TH ST Spill Number/Closed Date: 9814041 / 2/25/2003	***116 EAST 27TH ST***	***ESE 1/4 - 1/2 (0.497 mi.)***	***715***	***1720***
UNKNOWN BUILDING - TTF Spill Number/Closed Date: 1108615 / Not Reported	419 PARK AVE SOUTH	E 1/4 - 1/2 (0.497 mi.)	DU716	1723
APRT Spill Number/Closed Date: 0602910 / 12/22/2009	240 CENTRAL PARK SOUTH	SSE 1/4 - 1/2 (0.500 mi.)	717	1724

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 0110441 Spill Number/Closed Date: 0110441 / 1/31/2002	142 WEST 24TH ST	WSW 0 - 1/8 (0.044 mi.)	F29	95
BUSINESS Spill Number/Closed Date: 9813461 / 5/7/2004	119 W 23RD ST	SSW 0 - 1/8 (0.064 mi.)	J66	183
SPILL NUMBER 0110039 Spill Number/Closed Date: 0110039 / 4/11/2003	153 W 23RD ST	WSW 0 - 1/8 (0.097 mi.)	R130	302
OLD GAS STATION Spill Number/Closed Date: 9813276 / 10/24/2002	276 7TH AVE	NW 1/8 - 1/4 (0.135 mi.)	AD223	508
166 WEST 22ND STREET Spill Number/Closed Date: 9400302 / 2/4/2003 Spill Number/Closed Date: 0006798 / 1/2/2001	***166 WEST 22ND STREET***	***SW 1/8 - 1/4 (0.142 mi.)***	***AF245***	***574***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSTRUCTION SITE	***226 WEST 26TH STREET***	***NW 1/8 - 1/4 (0.183 mi.)***	***AU352***	***881***
Spill Number/Closed Date: 9510269 / 11/16/1995				
Spill Number/Closed Date: 9510264 / 11/16/1995				
HAG REALITY	250 WEST 26TH ST	NW 1/8 - 1/4 (0.211 mi.)	BK459	1168
Spill Number/Closed Date: 9813015 / 5/20/2004				
330 7TH AVENUE	***330 7TH AVENUE***	***N 1/8 - 1/4 (0.222 mi.)***	***CI518***	***1292***
Spill Number/Closed Date: 9503741 / 6/26/1995				
APT BLDG	***255 WEST 23RD ST***	***W 1/8 - 1/4 (0.233 mi.)***	***BW570***	***1404***
Spill Number/Closed Date: 0209070 / 6/21/2007				
255 W. 23RD ST	255 W. 23RD ST	W 1/8 - 1/4 (0.233 mi.)	BW572	1412
Spill Number/Closed Date: 0205799 / 6/20/2003				
232 W. 29TH ST.	232 W. 29TH STREET	NNW 1/4 - 1/2 (0.275 mi.)	DD628	1547
Spill Number/Closed Date: 9409873 / 10/24/1994				
APARTMENT	214 WEST 20TH STREET	WSW 1/4 - 1/2 (0.278 mi.)	630	1549
Spill Number/Closed Date: 0601208 / 7/20/2006				
APARTNMENT BUILDING TTF	245 W 29TH ST	NNW 1/4 - 1/2 (0.292 mi.)	DD635	1555
Spill Number/Closed Date: 1113817 / 11/27/2012				
UNDERGROUND TTF	245 WEST 29TH STREET	NNW 1/4 - 1/2 (0.292 mi.)	DD636	1557
Spill Number/Closed Date: 1113867 / 7/27/2012				
SPILL NUMBER 0104060	***304 8TH AVE***	***NW 1/4 - 1/2 (0.295 mi.)***	***637***	***1559***
Spill Number/Closed Date: 0104060 / 7/18/2001				
EXXONMOBIL	153-169 SEVENTH AVE	SW 1/4 - 1/2 (0.303 mi.)	DE638	1561
Spill Number/Closed Date: 0009966 / 7/11/2003				
EXXONMOBIL	153-169 SEVENTH AVE	SW 1/4 - 1/2 (0.303 mi.)	DE639	1562
Spill Number/Closed Date: 9209472 / 12/7/1992				
MOBIL STATION #17Q53	153-169 SEVENTH AVE	SW 1/4 - 1/2 (0.303 mi.)	DE640	1563
Spill Number/Closed Date: 9911365 / 9/24/2002				
MUTUAL REDEVELOPMENT HOUSES	***315 WEST 25TH STREET***	***WNW 1/4 - 1/2 (0.320 mi.)***	***DH650***	***1578***
Spill Number/Closed Date: 9602633 / 9/16/2005				
CLOSED-LACKOF RECENT INFO	315 W. 25TH ST	WNW 1/4 - 1/2 (0.320 mi.)	DH651	1587
Spill Number/Closed Date: 8908445 / 3/6/2003				
APT. BUILDING	312 WEST 23RD ST	WNW 1/4 - 1/2 (0.321 mi.)	652	1588
Spill Number/Closed Date: 0706771 / 10/11/2007				
CLOSED-LACKOF RECENT INFO	200 WEST 18TH STREET	SW 1/4 - 1/2 (0.347 mi.)	DI655	1600
Spill Number/Closed Date: 9004954 / 3/6/2003				
SPILL NUMBER 0010929	251 W. 19TH ST	WSW 1/4 - 1/2 (0.349 mi.)	DJ656	1601
Spill Number/Closed Date: 0010929 / 7/29/2003				
APRT	213 WEST 18TH STREET	SW 1/4 - 1/2 (0.355 mi.)	DI659	1608
Spill Number/Closed Date: 0800354 / 4/13/2010				
VERIZON	210 W. 18TH ST	SW 1/4 - 1/2 (0.355 mi.)	DI660	1609
Spill Number/Closed Date: 0303667 / 7/8/2003				
UNKNOWN APARTMNT BUILDING	***204 8TH AVE***	***W 1/4 - 1/2 (0.364 mi.)***	***663***	***1615***
Spill Number/Closed Date: 8905180 / 9/15/1997				
APARTMENT HOUSE	***264 W. 19TH ST***	***WSW 1/4 - 1/2 (0.364 mi.)***	***DJ664***	***1617***
Spill Number/Closed Date: 0209894 / 3/26/2003				
APARTMENT BLDG.- TTF	135 W. 17TH ST.	SSW 1/4 - 1/2 (0.370 mi.)	666	1621
Spill Number/Closed Date: 0501089 / 11/2/2005				

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
400 8TH AVE Spill Number/Closed Date: 9411284 / 11/23/1994	***400 8TH AVE***	***NNW 1/4 - 1/2 (0.388 mi.)***	***669***	***1627***
304 W 30TH ST Spill Number/Closed Date: 9110058 / 12/21/1991	304 W 30TH ST	NNW 1/4 - 1/2 (0.412 mi.)	675	1639
APARTMENT BUILDING Spill Number/Closed Date: 9608521 / 11/22/1996	347 WEST 29TH ST	NNW 1/4 - 1/2 (0.428 mi.)	680	1645
201 WEST 16TH ST CORP. Spill Number/Closed Date: 0008506 / 12/22/2005	201 WEST 16TH ST	SW 1/4 - 1/2 (0.435 mi.)	DP683	1649
SPILL NUMBER 9712649 Spill Number/Closed Date: 9712649 / 2/12/1998	331 PARK AVE SO	ESE 1/4 - 1/2 (0.438 mi.)	DQ684	1651
PRIVATE RES Spill Number/Closed Date: 0404859 / 8/5/2004	160 W 16TH ST	SW 1/4 - 1/2 (0.438 mi.)	DP685	1652
343-353 PARK AVENUE SOUTH Spill Number/Closed Date: 0300623 / 9/26/2006	343-353 PARK AVENUE SOU	ESE 1/4 - 1/2 (0.438 mi.)	686	1653
APRT BUILDING -TTF Spill Number/Closed Date: 0501515 / 10/25/2005	315-325 WEST 30TH STREE	NNW 1/4 - 1/2 (0.440 mi.)	687	1655
EASTMAN Spill Number/Closed Date: 0008945 / 9/20/2005	315 PARK AVE SOUTH	SE 1/4 - 1/2 (0.443 mi.)	688	1656
308 WEST 18TH ST Spill Number/Closed Date: 9511332 / 12/8/1995	308 WEST 18TH ST	WSW 1/4 - 1/2 (0.448 mi.)	DR690	1658
RBH MANAGEMENT TTF Spill Number/Closed Date: 1111100 / 3/1/2012	333 PARK AVE STH	ESE 1/4 - 1/2 (0.450 mi.)	DQ691	1660
310 WEST 18TH STREET Spill Number/Closed Date: 9612959 / 2/9/2000	310 WEST 18TH STREET	WSW 1/4 - 1/2 (0.450 mi.)	DR692	1661
WATTON STUDIO TTF Spill Number/Closed Date: 1301250 / Not Reported	333 PARK AVE STH	ESE 1/4 - 1/2 (0.452 mi.)	DQ693	1662
SPILL NUMBER 9800017 Spill Number/Closed Date: 9800017 / 4/1/1998	***240 WEST 16TH AT***	***SW 1/4 - 1/2 (0.459 mi.)***	***DT698***	***1668***
SPILL NUMBER 9811171 Spill Number/Closed Date: 9811171 / 12/7/1998	240 WEST 16TH ST	SW 1/4 - 1/2 (0.459 mi.)	DT699	1670
UPSCALE DEVELOPMENT Spill Number/Closed Date: 9612243 / 12/31/1997	349 WEST 30TH ST 1ST FL	NNW 1/4 - 1/2 (0.467 mi.)	701	1672
100 WEST 15TH ST. Spill Number/Closed Date: 9211685 / 7/31/1997	100 WEST 15TH ST.	SSW 1/4 - 1/2 (0.470 mi.)	702	1673
APRTMENT BUILDING Spill Number/Closed Date: 0508110 / 1/31/2006	161 WEST 15TH ST	SW 1/4 - 1/2 (0.471 mi.)	703	1675
COMMERCIAL BUILDING Spill Number/Closed Date: 0606977 / 1/24/2008	31 WEST 15TH STREET	SSW 1/4 - 1/2 (0.474 mi.)	704	1676
PS 33 Spill Number/Closed Date: 9614151 / 12/31/1997 Spill Number/Closed Date: 9713196 / 3/3/2003	***281 NINTH AVENUE***	***NW 1/4 - 1/2 (0.475 mi.)***	***705***	***1678***
400 WEST 25TH STREET Spill Number/Closed Date: 9310011 / 11/17/1993	***400 WEST 25TH STREET***	***WNW 1/4 - 1/2 (0.484 mi.)***	***708***	***1684***
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 8807152 / 3/5/2003	303 9TH AVENUE	NW 1/4 - 1/2 (0.492 mi.)	712	1693
TIME WARNER BUILDING Spill Number/Closed Date: 0405554 / 11/17/2005	***120 EAST 23RD ST***	***SE 1/4 - 1/2 (0.493 mi.)***	***DW713***	***1694***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
120 EAST 23RD ST	***120 EAST 23RD ST***	***SE 1/4 - 1/2 (0.493 mi.)***	***DW714***	***1697***
Spill Number/Closed Date: 0305304 / 9/29/2003				

State and tribal registered storage tank lists

NY TANKS: This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

A review of the NY TANKS list, as provided by EDR, and dated 09/30/2014 has revealed that there is 1 NY TANKS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
127 W 25TH ST	***127 W 25TH ST***	***NNW 0 - 1/8 (0.044 mi.)***	***B31***	***101***

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, and dated 09/30/2014 has revealed that there are 19 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
750 SIXTH AVENUE	***736 SIXTH AVENUE (750 S***	***ESE 0 - 1/8 (0.062 mi.)***	***61***	***156***
109 WEST 27TH STREET	***109 WEST 27TH STREET***	***NE 0 - 1/8 (0.119 mi.)***	***U173***	***411***
THE CAROLINE	60 WEST 23RD STREET	S 0 - 1/8 (0.124 mi.)	AB195	445
40 WEST 25TH STREET ASSOCIATES	***40 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.159 mi.)***	***AI285***	***708***
MAXAM PROPERTIES LLC/ D2 PROPE	***135 WEST 28TH STREET***	***NNE 1/8 - 1/4 (0.176 mi.)***	***325***	***802***
FM RING ASSOCIATES, INC.	***45 W 27TH ST***	***ENE 1/8 - 1/4 (0.177 mi.)***	***AW327***	***810***
1140 ASSOCIATES	***1140 BROADWAY***	***E 1/8 - 1/4 (0.216 mi.)***	***BP491***	***1238***
1170 BROADWAY	***1170 BROADWAY***	***ENE 1/8 - 1/4 (0.217 mi.)***	***BZ499***	***1257***
1181 BROADWY	***1181 BROADWAY***	***ENE 1/8 - 1/4 (0.219 mi.)***	***BZ508***	***1271***
835 AVENUE OF THE AMERICAS, L.	839 6TH AVENUE	NE 1/8 - 1/4 (0.227 mi.)	CN540	1347

Lower Elevation	Address	Direction / Distance	Map ID	Page
CASPARON BELEGGINGEN N.V.	***147 WEST 25TH STREET***	***NW 0 - 1/8 (0.038 mi.)***	***B19***	***74***
148 W 23RD ST	148 W 23RD ST	WSW 0 - 1/8 (0.123 mi.)	AA190	436
ARADCO LTD.	207 W 25TH ST	NW 1/8 - 1/4 (0.134 mi.)	AC219	499
228-237 CORP.	***276 7TH AVENUE***	***NW 1/8 - 1/4 (0.137 mi.)***	***AD227***	***513***
307 7TH AVE	307 SEVENTH AVENUE	NNW 1/8 - 1/4 (0.182 mi.)	BA341	844
2324 REALTY CO	***225 W 23RD ST***	***W 1/8 - 1/4 (0.187 mi.)***	***AZ370***	***931***
ELBERT HOLDING CORP	***142 W 21ST ST***	***SW 1/8 - 1/4 (0.189 mi.)***	***BH383***	***964***
ELBERT HOLDING CORP	161 WEST 21ST ST	SW 1/8 - 1/4 (0.193 mi.)	BH404	1016
CHELSEA GARDENS OWNERS CORP.	255 WEST 23RD STREET	W 1/8 - 1/4 (0.233 mi.)	BW573	1414

EXECUTIVE SUMMARY

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 09/30/2014 has revealed that there are 226 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
130 W 25TH ST	***130 WEST 25TH STREET***	***N 0 - 1/8 (0.017 mi.)***	***A2***	***36***
133 WEST 25TH STREET	133 WEST 25TH STREET	N 0 - 1/8 (0.020 mi.)	A6	43
119 W 25TH ST	***119 W 25TH ST***	***ENE 0 - 1/8 (0.022 mi.)***	***A7***	***45***
TAMKAT BUILDING CORP.	138 WEST 25TH STREET	NNW 0 - 1/8 (0.026 mi.)	B8	48
108 WEST 25 STREET CONDOMINIUM	108-110 WEST 25TH STREE	E 0 - 1/8 (0.032 mi.)	D10	52
GAY MEN'S HEALTH CRISIS INC.	***119 W 24 ST***	***S 0 - 1/8 (0.035 mi.)***	***C15***	***63***
107 WEST 25TH STREET CORPORATI	***107 WEST 25TH STREET***	***E 0 - 1/8 (0.037 mi.)***	***D17***	***68***
ABRAHAM GLUZ	***753 AVE OF THE AMERICAS***	***E 0 - 1/8 (0.038 mi.)***	***D22***	***83***
111 WEST 24TH STREET ASSOCIATE	109-111 WEST 24TH STREE	SSE 0 - 1/8 (0.042 mi.)	E23	86
CHELSEA LANDMARK	55 WEST 25TH STREET	E 0 - 1/8 (0.045 mi.)	D33	104
49 WEST 24TH TENANTS CORP.	49 WEST 24TH STREET	SSE 0 - 1/8 (0.052 mi.)	E47	130
S&P/DM 26 DEVELOPMENT LLC	100 WEST 26TH STREET	ENE 0 - 1/8 (0.059 mi.)	H55	147
114 W 26 ST	***114 W 26 ST***	***NNE 0 - 1/8 (0.061 mi.)***	***I60***	***153***
122 WEST 26TH ST	***122 WEST 26TH ST***	***NE 0 - 1/8 (0.065 mi.)***	***I68***	***185***
127 WEST 26TH STREET	127 WEST 26TH STREET	NNE 0 - 1/8 (0.066 mi.)	I74	196
135 W W 26TH ST	***135 WEST 26TH STREET***	***NNE 0 - 1/8 (0.068 mi.)***	***I79***	***205***
134 W 26TH ST	***134 W 26TH ST***	***N 0 - 1/8 (0.069 mi.)***	***K81***	***209***
RANDALL COMPANY	***110 WEST 26TH STREET***	***NE 0 - 1/8 (0.069 mi.)***	***H82***	***212***
142 WEST 26TH STREET	142 WEST 26TH STREET	N 0 - 1/8 (0.070 mi.)	I84	216
109 WEST 26 OWNERS CORP.	109 WEST 26TH STREET	NE 0 - 1/8 (0.072 mi.)	H87	221
150 WEST 26 STREET	150 WEST 26TH STREET	N 0 - 1/8 (0.077 mi.)	K92	229
151 WEST 26TH ST.	***151 WEST 26TH STREET***	***N 0 - 1/8 (0.078 mi.)***	***K96***	***235***
777 SIXTH AVENUE	777 SIXTH AVENUE	ENE 0 - 1/8 (0.085 mi.)	M101	245
THE VANGUARD CHELSEA	77 WEST 24TH STREET	SE 0 - 1/8 (0.095 mi.)	P116	277
41-51 W 25TH ST	***41-51 W 25TH ST***	***E 0 - 1/8 (0.095 mi.)***	***Q117***	***279***
715-723 SIXTH AVENUE OWNERS CO	101 WEST 23RD STREET	S 0 - 1/8 (0.097 mi.)	L124	291
AMBASSADOR ARTS INCORPORATED	***122 WEST 27TH STREET***	***NNE 0 - 1/8 (0.106 mi.)***	***S137***	***310***
118 W 27 ST	118 WEST 27TH STREET	NE 0 - 1/8 (0.110 mi.)	U145	338
THE CAPITOL AT CHELSEA	55 WEST 26TH STREET	ENE 0 - 1/8 (0.111 mi.)	V147	342
114 WEST 27 STREET	***114 WEST 27 STREET***	***NE 0 - 1/8 (0.114 mi.)***	***U151***	***347***
WEST 27TH STREET REALTY, INC.	***129 W 27TH ST***	***NNE 0 - 1/8 (0.115 mi.)***	***U153***	***351***
SIXTH AVENUE WEST ASSOCIATES	121 WEST 27TH STREET	NNE 0 - 1/8 (0.115 mi.)	U158	361
115 W. 27TH ST	115 WEST 27TH STREET	NE 0 - 1/8 (0.116 mi.)	U166	391
104 WEST 27TH ST	104 WEST 27TH ST	NE 0 - 1/8 (0.118 mi.)	U168	396
135 WEST 27TH STREET	135 WEST 27TH STREET	NNE 0 - 1/8 (0.118 mi.)	S169	401
WEST 27TH LOFT CORP	***143 WEST 27TH ST***	***NNE 0 - 1/8 (0.118 mi.)***	***S171***	***404***
145 W 27	***145 W 27TH ST***	***NNE 0 - 1/8 (0.119 mi.)***	***S172***	***408***
144 WEST 27TH ST	144 WEST 27TH ST	NNE 0 - 1/8 (0.120 mi.)	S174	414
153 WEST 27TH STREET	153 WEST 27TH STREET	N 0 - 1/8 (0.123 mi.)	S188	431
THE CAROLINE	***60 WEST 23RD STREET***	***S 0 - 1/8 (0.124 mi.)***	***AB196***	***447***
WEST END ESTATES LLC	154 WEST 27TH STREET	N 1/8 - 1/4 (0.125 mi.)	S201	454
MASONIC HALL	***71 WEST 23RD STREET***	***SSE 1/8 - 1/4 (0.133 mi.)***	***Z216***	***487***
CHELSEA	800 SIXTH AVENUE	NE 1/8 - 1/4 (0.138 mi.)	Y229	524
48 WEST 25TH ST	48 W 25TH ST	ESE 1/8 - 1/4 (0.144 mi.)	AI250	587
28 WEST 27TH STREET	***28 WEST 27TH STREET***	***ENE 1/8 - 1/4 (0.146 mi.)***	***AJ262***	***627***
KIAMIE PRINCESS MARION REALTY	***37 W 26TH ST***	***E 1/8 - 1/4 (0.147 mi.)***	***AK267***	***645***
804-810 6TH AVE.	***804-810 6TH AVE.***	***NE 1/8 - 1/4 (0.147 mi.)***	***AL268***	***648***
61-65 WEST 23RD STREET	61-65 WEST 23RD STREET	SSE 1/8 - 1/4 (0.148 mi.)	AH270	655
4324 COMPANY	***43 WEST 24TH ST***	***SE 1/8 - 1/4 (0.153 mi.)***	***AN279***	***690***
40 WEST 24TH STREET CORP.	***40 WEST 24TH STREET***	***SE 1/8 - 1/4 (0.157 mi.)***	***AN282***	***703***
COMFORT INN	18 WEST 25TH ST	ESE 1/8 - 1/4 (0.161 mi.)	AI287	723

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OHDAY REALTY CORP	***120 W 28TH ST***	***NNE 1/8 - 1/4 (0.162 mi.)***	***AP288***	***725***
TWENTY THIRD STREET ASSOCIATES	53 WEST 23RD STREET	SSE 1/8 - 1/4 (0.162 mi.)	AQ290	733
28TH STREET PROPERTIES LLC	136 WEST 28 STREET	NNE 1/8 - 1/4 (0.163 mi.)	AP293	738
38 WEST 26TH ST	38 WEST 26TH STREET	E 1/8 - 1/4 (0.163 mi.)	AK294	740
FLOWER 28, LLC	139 WEST 28TH STREET	NNE 1/8 - 1/4 (0.165 mi.)	AP299	753
36 WEST 25TH STREET	36 WEST 25TH STREET	ESE 1/8 - 1/4 (0.166 mi.)	AI301	756
146-48 W 28 ST	146-48 WEST 28TH STREET	NNE 1/8 - 1/4 (0.166 mi.)	AP302	758
150 W 28TH ST	***150 W 28TH ST***	***N 1/8 - 1/4 (0.166 mi.)***	***AR303***	***761***
145 WEST 28TH STREET	145 WEST 28TH STREET	NNE 1/8 - 1/4 (0.167 mi.)	AP304	765
40 WEST 27TH ST	40 WEST 27TH ST	ENE 1/8 - 1/4 (0.171 mi.)	AW315	784
LOFT REALTY CO	***49 W 27 ST***	***ENE 1/8 - 1/4 (0.172 mi.)***	***AW317***	***786***
30 W 26 ST	30 WEST 26TH STREET	E 1/8 - 1/4 (0.176 mi.)	AY321	796
MAXAM PROPERTIES LLC/ D2 PROPE	***135 WEST 28TH STREET***	***NNE 1/8 - 1/4 (0.176 mi.)***	***325***	***802***
25 W 26 STREET INC.	25 WEST 26TH STREET	E 1/8 - 1/4 (0.178 mi.)	AY329	813
LADIE'S MILE, LLC	43 WEST 23RD STREET	SSE 1/8 - 1/4 (0.179 mi.)	AQ331	816
28 WEST 26TH STREET	28 WEST 26TH STREET	E 1/8 - 1/4 (0.180 mi.)	AY336	834
28 WEST 25TH STREET ASSOCITES,	***28 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.180 mi.)***	***BB338***	***837***
23RD STREET PROPERTIES LLC	28-40 WEST 23RD STREET	SSE 1/8 - 1/4 (0.181 mi.)	340	842
40 WEST 22ND ST TENANTS CO OP	***40 WEST 22ND ST***	***S 1/8 - 1/4 (0.182 mi.)***	***BD347***	***873***
GROFF STUDIOS CORP	151 W 28TH ST	N 1/8 - 1/4 (0.183 mi.)	AR351	879
27 WEST 24TH STREET	27 WEST 24TH STREET	SE 1/8 - 1/4 (0.184 mi.)	BE356	893
MIDWAY HILL LAUNDRY CLEANERS	27 W 24 ST	SE 1/8 - 1/4 (0.184 mi.)	BE357	895
SENTON HOTEL	***39-41 WEST 27TH ST***	***E 1/8 - 1/4 (0.184 mi.)***	***AW358***	***897***
26 WEST 27TH ST LLC	26 WEST 27TH ST	E 1/8 - 1/4 (0.186 mi.)	AW364	923
22 WEST 26TH STREET APT. CORP.	***22 WEST 26TH STREET***	***E 1/8 - 1/4 (0.186 mi.)***	***AY366***	***926***
141 W 28TH ST	***141 WEST 28TH ST***	***N 1/8 - 1/4 (0.187 mi.)***	***AR373***	***940***
22-24 WEST 27TH STREET	22-24 WEST 27TH STREET	E 1/8 - 1/4 (0.190 mi.)	AW385	974
12 W 27TH ST	***12 W 27TH ST***	***E 1/8 - 1/4 (0.190 mi.)***	***BI386***	***976***
THE TOWNSEND BUILDING	1123 BROADWAY	ESE 1/8 - 1/4 (0.191 mi.)	BB395	990
MESA REALTY ASSOCIATES, LLC	15 WEST 26TH STREET	E 1/8 - 1/4 (0.192 mi.)	AY398	999
56 WEST 22ND ST	***56 WEST 22ND ST***	***SSE 1/8 - 1/4 (0.192 mi.)***	***BD399***	***1001***
FM RING ASSOCIATES INC.	***19 WEST 24TH ST***	***SE 1/8 - 1/4 (0.192 mi.)***	***BE400***	***1004***
54 WEST 22ND OWNER, LLC.	54 WEST 22ND ST	SSE 1/8 - 1/4 (0.192 mi.)	BD401	1008
METROPOLITAN DESIGN INC	***18 W 27 ST***	***E 1/8 - 1/4 (0.194 mi.)***	***BI408***	***1027***
E S LOWE BUILDING	31 WEST 27TH STREET	E 1/8 - 1/4 (0.196 mi.)	BI410	1046
HOUSTON ASSOC	815 SIXTH AVE	NE 1/8 - 1/4 (0.197 mi.)	BL413	1051
ST. JAMES BUILDING	1133 BROADWAY	ESE 1/8 - 1/4 (0.200 mi.)	BO417	1058
44 WEST 28 PENN PLAZA PROPERTI	44 WEST 28TH STREET	ENE 1/8 - 1/4 (0.202 mi.)	BQ424	1066
W 29 ST OWNERS CORP	116 W 29TH ST	NNE 1/8 - 1/4 (0.203 mi.)	BS431	1087
15 WEST 34TH STREET CORP	15 WEST 24TH ST	SE 1/8 - 1/4 (0.204 mi.)	BE434	1092
146 WEST 29TH STREET	146 WEST 29TH STREET	NNE 1/8 - 1/4 (0.205 mi.)	BT439	1098
KEW MANAGEMENT CORP	***11 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.205 mi.)***	***BU441***	***1101***
1165 BROADWAY BLDG.	1165 BROADWAY	E 1/8 - 1/4 (0.207 mi.)	BI448	1111
PAUL PROPERTIES INC	***130 W 29TH ST***	***NNE 1/8 - 1/4 (0.211 mi.)***	***BS457***	***1162***
134 WEST 29TH STREET	134 WEST 29TH STREET	NNE 1/8 - 1/4 (0.213 mi.)	BS463	1171
MAY PLAZA ENTERPRISE	1160 BROADWAY	E 1/8 - 1/4 (0.213 mi.)	BZ465	1180
37 WEST 28 STREET	37 WEST 28TH STREET	ENE 1/8 - 1/4 (0.213 mi.)	BQ466	1182
MFM PROPERTIES LLC	135 WEST 29TH STREET	NNE 1/8 - 1/4 (0.213 mi.)	BS468	1189
104 WEST 29TH ST. REALTY CO.	104 WEST 29TH STREET	NE 1/8 - 1/4 (0.214 mi.)	BL474	1214
ELEVEN FIFTEEN ASSOCIATES	1115 BROADWAY	ESE 1/8 - 1/4 (0.214 mi.)	BU477	1217
143 W 29TH	143 WEST 29TH STREET	NNE 1/8 - 1/4 (0.215 mi.)	CC479	1221
129 W 29 ST	129 WEST 29TH STREET	NNE 1/8 - 1/4 (0.215 mi.)	CC481	1223
115 WEST 29TH ST OWNERS CORP	115 WEST 29TH STREET	NE 1/8 - 1/4 (0.216 mi.)	CA492	1242
3-7 W 22ND ST	***3-7 W 22ND ST***	***SSE 1/8 - 1/4 (0.216 mi.)***	***CD495***	***1249***
158-160 WEST 29TH STREET	158-160 WEST 29TH STREE	NNE 1/8 - 1/4 (0.218 mi.)	BT507	1269
APT BUILDING	***208 5TH AVENUE***	***ESE 1/8 - 1/4 (0.221 mi.)***	***CG513***	***1281***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
54 WEST 21 STREET	***54 WEST 21 STREET***	***S 1/8 - 1/4 (0.222 mi.)***	***CH517***	***1288***
THE TOY CENTER NORTH	***1107 BROADWAY***	***ESE 1/8 - 1/4 (0.222 mi.)***	***CB525***	***1317***
BOYESS REALTY INC	29 WEST 21 STREET	S 1/8 - 1/4 (0.225 mi.)	CH533	1333
F M. RING ASSOCIATES, INC.	***15 W 27 ST***	***E 1/8 - 1/4 (0.225 mi.)***	***CL536***	***1338***
THE TOY CENTER SOUTH	***200 FIFTH AVENUE***	***SE 1/8 - 1/4 (0.230 mi.)***	***CB546***	***1358***
1182-1184 BROADWAY	1182-1184 BROADWAY	ENE 1/8 - 1/4 (0.230 mi.)	CJ547	1363
186 FIFTH LLC.	186 FIFTH AVENUE	SE 1/8 - 1/4 (0.231 mi.)	BX552	1370
230 5TH AVE BUILDING	***230 5TH AVE***	***E 1/8 - 1/4 (0.231 mi.)***	***CL557***	***1378***
1186 BROADWAY	***1186 BROADWAY***	***ENE 1/8 - 1/4 (0.233 mi.)***	***CJ567***	***1394***
842 ENTERPRISE INC	842/844 SIXTH AVENUE	NE 1/8 - 1/4 (0.233 mi.)	CN568	1402
30 WEST 21ST ST	***30 W 21ST ST***	***S 1/8 - 1/4 (0.236 mi.)***	***CH581***	***1437***
12 WEST 23RD STREET	12 WEST 23RD ST.	SSE 1/8 - 1/4 (0.236 mi.)	CS582	1441
45 WEST 21ST STREET	***45 WEST 21ST STREET***	***S 1/8 - 1/4 (0.239 mi.)***	***CU591***	***1471***
39 W 29TH ST	***39 W 29TH ST***	***NE 1/8 - 1/4 (0.240 mi.)***	***CQ595***	***1482***
20 WEST 22ND STREET	20 WEST 22ND STREET	SSE 1/8 - 1/4 (0.243 mi.)	602	1493
KEW MANAGEMENT CORP	***40 WEST 29TH STREET***	***ENE 1/8 - 1/4 (0.244 mi.)***	***CY605***	***1498***
114-120 WEST 30TH STREET	114-120 WEST 30TH STREE	NNE 1/8 - 1/4 (0.245 mi.)	DA609	1511
GAM REALTY	18 WEST 21ST STREET	S 1/8 - 1/4 (0.246 mi.)	CU611	1514
FM RING ASSOCIATES, INC.	212 FIFTH AVENUE	ESE 1/8 - 1/4 (0.249 mi.)	DB621	1530

Lower Elevation	Address	Direction / Distance	Map ID	Page
127 WEST 24TH ST.	127 WEST 24TH ST.	SSW 0 - 1/8 (0.032 mi.)	C9	50
BRICK FARMS COOPERATIVE LTD	***131 W 24TH ST***	***SW 0 - 1/8 (0.033 mi.)***	***C11***	***54***
133 W 24TH ST CORP	133 WEST 24TH STREET	SW 0 - 1/8 (0.034 mi.)	C12	58
ALLOFUS TENANTS, INC.	130 WEST 24TH STREET	SW 0 - 1/8 (0.035 mi.)	C13	60
CHELSEA DESIGN CENTER	146-150 WEST 25TH STREE	NW 0 - 1/8 (0.037 mi.)	B18	72
KENT REALTY CORP	***134-136 W 25TH ST***	***NW 0 - 1/8 (0.038 mi.)***	***B20***	***77***
136 LOFT CORP	136 WEST 24TH STREET	WSW 0 - 1/8 (0.038 mi.)	C21	80
151 WEST 25TH STREET	151 WEST 25TH STREET	NW 0 - 1/8 (0.044 mi.)	B24	88
FM RING ASSOC., INC.	***142 W 24TH ST***	***WSW 0 - 1/8 (0.044 mi.)***	***F30***	***96***
152 WEST 25TH STREET	152 WEST 25TH STREET	NW 0 - 1/8 (0.046 mi.)	B35	107
WEST GRAMERCY ASSOCIATES LLC	147 WEST 24TH STREET	WSW 0 - 1/8 (0.046 mi.)	F38	113
SUN K. MIN	149 W 24TH ST	WSW 0 - 1/8 (0.049 mi.)	F40	115
148 W 24TH ST TENANTS CORP	148 W 24TH ST	WSW 0 - 1/8 (0.049 mi.)	F42	125
159 WEST 25TH STREET LLC	159 WEST 25TH STREET	NW 0 - 1/8 (0.056 mi.)	G52	140
119 W. 23 ST. ACQUISITION, LLC	119 WEST 23RD STREET	SSW 0 - 1/8 (0.064 mi.)	J65	180
NELCO SEWING MACHINE SALES	***164 WEST 25TH ST***	***NW 0 - 1/8 (0.065 mi.)***	***G70***	***190***
115 EAST 23RD ST	***115 EAST 23RD ST***	***SSW 0 - 1/8 (0.076 mi.)***	***J90***	***224***
124 WEST 23RD STREET	124 WEST 23RD STREET	SSW 0 - 1/8 (0.084 mi.)	J99	241
136/140 W 23RD STREET	136/140 WEST 23RD STREE	SW 0 - 1/8 (0.085 mi.)	J100	243
MAJESTIC RAYON CORP/CUDGE REAL	116 WEST 23RD STREET	SSW 0 - 1/8 (0.087 mi.)	109	256
165 W 26TH ST ASSOC	***165 W 26TH ST***	***NNW 0 - 1/8 (0.092 mi.)***	***O112***	***269***
F M RING ASSOC, INC	***155 W 23 ST***	***WSW 0 - 1/8 (0.092 mi.)***	***N113***	***273***
177 W 26TH REALTY CORP	***177 WEST 26TH ST***	***NNW 0 - 1/8 (0.106 mi.)***	***O139***	***317***
THE CHELSEA MERCANTILE	252 SEVENTH AVENUE	WNW 0 - 1/8 (0.117 mi.)	W167	393
148 W 23RD ST	***148 W 23RD ST***	***WSW 0 - 1/8 (0.123 mi.)***	***AA189***	***433***
F M RING ASSOCIATES,INC	245- 7TH AVE	WNW 1/8 - 1/4 (0.126 mi.)	W202	456
275 7TH AVENUE	275 SEVENTH AVENUE	NW 1/8 - 1/4 (0.129 mi.)	AC210	472
238-240 7TH AVENUE CORP.	200 WEST 24TH STREET	WNW 1/8 - 1/4 (0.133 mi.)	W217	493
158 WEST 27TH ST	***158 WEST 27TH ST***	***NNW 1/8 - 1/4 (0.134 mi.)***	***218***	***495***
ARRADCO LTD.	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.134 mi.)***	***AC220***	***501***
TOP OF THE LOFTS, INC.	129 WEST 22ND STREET	SSW 1/8 - 1/4 (0.136 mi.)	AE225	510
126 WEST 22ND STREET CONDOMINI	126 WEST 22ND STREET	SSW 1/8 - 1/4 (0.138 mi.)	AE231	528
118 W 22ND ST	118 WEST 22ND STREET	SSW 1/8 - 1/4 (0.139 mi.)	AE233	531
FLORENCIA PROPERTIES N.V. INC.	145 W. 22ND ST.	SW 1/8 - 1/4 (0.140 mi.)	AF235	535

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
HEXAGON ASSOCIATES	***140-144 WEST 22ND STREE***	***SW 1/8 - 1/4 (0.140 mi.)***	***AE240***	***563***
147 WEST 22ND ST. CORP.	147 WEST 22ND STREET	SW 1/8 - 1/4 (0.140 mi.)	AF243	570
150 WEST 22ND ST	***150 WEST 22ND ST***	***SW 1/8 - 1/4 (0.144 mi.)***	***AF252***	***600***
ST FRANCIS RESIDENCE II	***155 WEST 22ND ST***	***SW 1/8 - 1/4 (0.144 mi.)***	***AF253***	***604***
VAN ALEN INSTITUTE	28-30 WEST 22ND STREET	SSW 1/8 - 1/4 (0.144 mi.)	AG256	609
201 W 26 L.L.C./200-220 WEST 2	200 WEST 26TH STREET	NW 1/8 - 1/4 (0.145 mi.)	AD259	614
291 7TH AVENUE CONDOMINIUM	291 SEVENTH AVENUE	NNW 1/8 - 1/4 (0.153 mi.)	AO276	687
166 W. 22 ST. OWNERS CORP.	166 WEST 22ND STREET	SW 1/8 - 1/4 (0.153 mi.)	281	701
MUHLENBERG BRANCH LIBRARY	209 WEST 23RD STREET	W 1/8 - 1/4 (0.164 mi.)	AM295	742
JSB REALTY CO	***208 WEST 23RD ST***	***W 1/8 - 1/4 (0.165 mi.)***	***AM297***	***747***
225-25 HOUSING CORP.	225 WEST 25TH STREET	NW 1/8 - 1/4 (0.169 mi.)	AT311	773
24TH STREET HOLDING COMPANY	***228-232 WEST 24 ST (230***	***WNW 1/8 - 1/4 (0.175 mi.)***	***AV319***	***790***
CHELSEA TELEVISION STUDIOS/ALL	221 WEST 26TH STREET	NW 1/8 - 1/4 (0.176 mi.)	AU320	794
HOTEL CHELSEA,NEW YORK	***216 WEST 23RD STREET***	***W 1/8 - 1/4 (0.176 mi.)***	***AZ324***	***799***
CHELSEA 25 LLC	231 WEST 25TH ST	NW 1/8 - 1/4 (0.179 mi.)	AT332	818
305 7TH AVE	305 SEVENTH AVENUE	NNW 1/8 - 1/4 (0.179 mi.)	BA334	821
226 WEST 26TH ST LLC	226 WEST 26TH STREET	NW 1/8 - 1/4 (0.184 mi.)	AU354	888
SCHOOL OF VISUALS ARTS	133-141 WEST 21 STREET	SSW 1/8 - 1/4 (0.185 mi.)	BC360	903
675 OWNERSHIP, LLC	***675 AVENUE OF THE AMERI***	***SSW 1/8 - 1/4 (0.185 mi.)***	***BF361***	***905***
21 CHELSEA LLC	120 WEST 21ST STREET	SSW 1/8 - 1/4 (0.186 mi.)	BC363	920
2324 REALTY CO	***225 W 23RD ST***	***W 1/8 - 1/4 (0.187 mi.)***	***AZ370***	***931***
SCHOOL OF VISUAL ARTS	132-134 WEST 21ST STREE	SSW 1/8 - 1/4 (0.187 mi.)	BC375	945
SCHOOL OF VISUAL ARTS	136 WEST 21ST STREET	SW 1/8 - 1/4 (0.188 mi.)	BC378	951
WEST GRAMERCY ASSOCIATES LLC	53-55 WEST 21ST STREET	SSW 1/8 - 1/4 (0.190 mi.)	BF384	972
155 WEST 21ST STREET	155 WEST 21ST STREET	SW 1/8 - 1/4 (0.191 mi.)	BH392	985
150 WEST 21ST, LLC	150 WEST 21ST ST	SW 1/8 - 1/4 (0.191 mi.)	BH393	987
48 WEST 21ST ST	48 WEST 21ST ST	SSW 1/8 - 1/4 (0.192 mi.)	BF396	992
203 7TH AVENUE	***203 7TH AVENUE***	***WSW 1/8 - 1/4 (0.193 mi.)***	***BJ402***	***1009***
238 WEST 24TH STREET	238 WEST 24 TH ST.	WNW 1/8 - 1/4 (0.194 mi.)	AV407	1025
NORTHSIDE REALTY CORP.	162 WEST 21ST STREET	SW 1/8 - 1/4 (0.196 mi.)	412	1048
315 SEVENTH AVE CONDOMINIUM	315 SEVENTH AVENUE	N 1/8 - 1/4 (0.199 mi.)	BN416	1056
212 W 22 ST BLDG	***212 W 22 ST***	***WSW 1/8 - 1/4 (0.203 mi.)***	***BR429***	***1083***
23RD ST LOFT CORPORATION	241 WEST 23RD ST	W 1/8 - 1/4 (0.211 mi.)	BW455	1160
HAG REALTY LLC	250 WEST 26TH ST.	NW 1/8 - 1/4 (0.211 mi.)	BK458	1165
CHELSEA GARDENS	***250 WEST 24TH ST***	***WNW 1/8 - 1/4 (0.213 mi.)***	***BY464***	***1173***
CHELSEA HOTEL	222 WEST 23RD STREET	W 1/8 - 1/4 (0.215 mi.)	BW487	1232
THE JEANNE D'ARC HOME	***253 WEST 24TH ST***	***WNW 1/8 - 1/4 (0.216 mi.)***	***BY490***	***1235***
CHELSEA PARTNERS	251 WEST 26TH STREET	NW 1/8 - 1/4 (0.216 mi.)	BK493	1245
CHELSEA PARTNERS I, LLC	247-249 WEST 26 ST.	NW 1/8 - 1/4 (0.216 mi.)	BK494	1247
191 SEVENTH AVENUE CORP	***191 SEVENTH AVENUE***	***WSW 1/8 - 1/4 (0.217 mi.)***	***CE500***	***1260***
WEST 25TH STREET OWNERS, INC.	254 WEST 25TH STREET #6	WNW 1/8 - 1/4 (0.217 mi.)	BV506	1267
236 WEST 27TH STREET	***236 WEST 27TH STREET***	***NNW 1/8 - 1/4 (0.219 mi.)***	***CF509***	***1275***
218 WEST 22ND ST	***218 W 22ND ST***	***WSW 1/8 - 1/4 (0.222 mi.)***	***BR520***	***1295***
330 7TH AVENUE	330 7TH AVENUE	N 1/8 - 1/4 (0.224 mi.)	CI527	1322
OFFICE BUILDING	655 SIXTH AVENUE	SSW 1/8 - 1/4 (0.224 mi.)	CK532	1330
PIERMONT	201 WEST 21ST STREET	WSW 1/8 - 1/4 (0.225 mi.)	CE535	1336
233-53 WEST 22ND ST	233-53 WEST 22ND ST	W 1/8 - 1/4 (0.226 mi.)	CM539	1345
GAY MENS HEALTH CRISIS INC	***129-133 WEST 20TH ST***	***SSW 1/8 - 1/4 (0.231 mi.)***	***CO549***	***1366***
CAPITOL BUILDING LOFT CORP	***236 W 26TH ST***	***NW 1/8 - 1/4 (0.231 mi.)***	***CP555***	***1374***
333 SEVENTH AVENUE	333 7TH AVE.	N 1/8 - 1/4 (0.232 mi.)	CI562	1387
A & G REAL ESTATE	135-141 WEST 20TH STREE	SSW 1/8 - 1/4 (0.232 mi.)	CO563	1389
255 WEST 23RD STREET	***255 WEST 23RD STREET***	***W 1/8 - 1/4 (0.233 mi.)***	***BW571***	***1407***
264-266 W 25 ST	264 WEST 25TH STREET	WNW 1/8 - 1/4 (0.234 mi.)	BV574	1416
ABE HARUVI C/O EJAM HOLDING CO	***245 WEST 25TH ST***	***NW 1/8 - 1/4 (0.234 mi.)***	***CR577***	***1420***
211 WEST 21ST STREET	***211 WEST 21ST STREET***	***WSW 1/8 - 1/4 (0.235 mi.)***	***CE580***	***1434***
210 EQUITIES CORPORATION	***210 WEST 21 STREET***	***WSW 1/8 - 1/4 (0.236 mi.)***	***CE583***	***1443***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHELSEA WARREN CORP	165 WEST 20TH STREET	SW 1/8 - 1/4 (0.238 mi.)	CT587	1464
CHELSEA-WARREN CORP	155-165 WEST 20TH STREE	SW 1/8 - 1/4 (0.238 mi.)	CT588	1466
27TH STREET APARTMENTS CORP	***250 W 27 ST***	***NNW 1/8 - 1/4 (0.239 mi.)***	***CF590***	***1468***
S.N.Y. INC.	229 WEST 28TH STREET	NNW 1/8 - 1/4 (0.239 mi.)	CV593	1478
WEST 21ST STREET ASSOCIATES, L	214-216 WEST 21ST STREE	WSW 1/8 - 1/4 (0.240 mi.)	CW597	1486
217 W 21ST ST LP	217 WEST 21ST STREET	WSW 1/8 - 1/4 (0.241 mi.)	CW598	1488
244 WEST 22ND STREET	244 WEST 22ND ST	W 1/8 - 1/4 (0.243 mi.)	CM603	1495
218-220 WEST 21ST ST	***218-220 WEST 21ST ST***	***WSW 1/8 - 1/4 (0.245 mi.)***	***CW608***	***1507***
246 WEST 22ND ST	***246 WEST 22ND ST***	***W 1/8 - 1/4 (0.246 mi.)***	***CM612***	***1516***
223 WEST 21ST ST	***223 WEST 21ST ST***	***WSW 1/8 - 1/4 (0.247 mi.)***	***CW617***	***1525***

State and tribal voluntary cleanup sites

NY VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the NY VCP list, as provided by EDR, and dated 07/16/2014 has revealed that there is 1 NY VCP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CE - E. 21ST ST. WORKS	EAST 20TH - EAST 22ND S	SSE 1/4 - 1/2 (0.491 mi.)	DV710	1689

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

NY HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 21 NY HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
127 W 25TH ST	***127 W 25TH ST***	***NNW 0 - 1/8 (0.044 mi.)***	***B31***	***101***
750 SIXTH AVENUE	***736 SIXTH AVENUE (750 S***	***ESE 0 - 1/8 (0.062 mi.)***	***61***	***156***
109 WEST 27TH STREET	***109 WEST 27TH STREET***	***NE 0 - 1/8 (0.119 mi.)***	***U173***	***411***
THE CAROLINE	***60 WEST 23RD STREET***	***S 0 - 1/8 (0.124 mi.)***	***AB196***	***447***
61 WEST 23RD STREET	61 WEST 23RD STREET	SSE 1/8 - 1/4 (0.148 mi.)	AH269	653
40 WEST 25TH STREET ASSOCIATES	***40 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.159 mi.)***	***AI285***	***708***
FM RING ASSOCIATES, INC.	***45 W 27TH ST***	***ENE 1/8 - 1/4 (0.177 mi.)***	***AW327***	***810***
44 W 28TH ST	44 W 28TH ST	ENE 1/8 - 1/4 (0.202 mi.)	BQ423	1065
1140 ASSOCIATES	***1140 BROADWAY***	***E 1/8 - 1/4 (0.216 mi.)***	***BP491***	***1238***
1170 BROADWAY	***1170 BROADWAY***	***ENE 1/8 - 1/4 (0.217 mi.)***	***BZ499***	***1257***
1181 BROADWY	***1181 BROADWAY***	***ENE 1/8 - 1/4 (0.219 mi.)***	***BZ508***	***1271***
1186 BROADWAY	***1186 BROADWAY***	***ENE 1/8 - 1/4 (0.233 mi.)***	***CJ567***	***1394***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CASPARON BELEGGINGEN N.V.	***147 WEST 25TH STREET***	***NW 0 - 1/8 (0.038 mi.)***	***B19***	***74***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
152 WEST 25TH STREET	152 WEST 25TH STREET	NW 0 - 1/8 (0.046 mi.)	B36	109
148 W 23RD ST	***148 W 23RD ST***	***WSW 0 - 1/8 (0.123 mi.)***	***AA189***	***433***
ARRADCO LTD.	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.134 mi.)***	***AC220***	***501***
228-237 CORP.	***276 7TH AVENUE***	***NW 1/8 - 1/4 (0.137 mi.)***	***AD227***	***513***
CHELSEA REALTY ASSOC	231 WEST 25TH ST	NW 1/8 - 1/4 (0.179 mi.)	AT333	820
307 7TH AVE	307 7TH AVE	NNW 1/8 - 1/4 (0.182 mi.)	BA343	849
2324 REALTY CO	***225 W 23RD ST***	***W 1/8 - 1/4 (0.187 mi.)***	***AZ370***	***931***
255 WEST 23RD STREET	***255 WEST 23RD STREET***	***W 1/8 - 1/4 (0.233 mi.)***	***BW571***	***1407***

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 05/19/2014 has revealed that there are 42 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VAULT #8296 Spill Number/Closed Date: 0101259 / 6/19/2001	133 WEST 25TH ST	N 0 - 1/8 (0.018 mi.)	A3	39
119 W 24TH ST/MANHATTAN Spill Number/Closed Date: 8800769 / 12/29/1988	119 WEST 24TH ST	S 0 - 1/8 (0.035 mi.)	C14	62
CONSTRCUTION SITE Spill Number/Closed Date: 0105588 / 9/8/2003	110 WEST 24TH ST	SSE 0 - 1/8 (0.044 mi.)	E25	90
101 W. 25TH ST Spill Number/Closed Date: 9410732 / 11/11/1994	101 W. 25TH ST	E 0 - 1/8 (0.050 mi.)	D43	127
EXXONMOBIL Spill Number/Closed Date: 8701407 / 7/21/2011	100 WEST 24TH ST	SSE 0 - 1/8 (0.053 mi.)	E48	132
CON ED MANHOLE #V6874 Spill Number/Closed Date: 0400913 / 7/19/2004	WEST 24TH/6TH AVE	SSE 0 - 1/8 (0.056 mi.)	E51	138
CONSTRUCTION SITE Spill Number/Closed Date: 0104356 / 3/29/2004	100 WEST 26TH ST	ENE 0 - 1/8 (0.059 mi.)	H56	149
114 WEST 26TH STREET Spill Number/Closed Date: 9307525 / 9/21/1993	114 WEST 26TH STREET	NNE 0 - 1/8 (0.061 mi.)	I59	152
GARY TANNENBAUM, RES. Spill Number/Closed Date: 9411717 / 12/2/1994	135 WEST 26TH STREET	NNE 0 - 1/8 (0.066 mi.)	I75	198
SPILL NUMBER 9811853 Spill Number/Closed Date: 9811853 / 11/4/2003	121 W 26TH ST	NE 0 - 1/8 (0.066 mi.)	I78	202
COMMERCIAL BUILDING Spill Number/Closed Date: 1311371 / 3/10/2014	100 WEST 26 ST	ENE 0 - 1/8 (0.077 mi.)	H94	232
VAULT #0768 Spill Number/Closed Date: 9911248 / 8/18/2009	IFO 100 EAST 24TH ST	S 0 - 1/8 (0.077 mi.)	L95	234
MANHOLE 4908 Spill Number/Closed Date: 0003933 / 4/9/2004	WEST 26 TH ST & 6TH AV	ENE 0 - 1/8 (0.081 mi.)	H98	240
CHELSEA HOUSES -NYCHA Spill Number/Closed Date: 9812239 / 3/25/2003	***431 WEST 25TH ST***	***E 0 - 1/8 (0.095 mi.)***	***Q118***	***283***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 0301501 Spill Number/Closed Date: 0301501 / 5/12/2003	77 WEST 24TH ST	SE 0 - 1/8 (0.096 mi.)	P119	286
PVT DWELLING Spill Number/Closed Date: 0812475 / 2/17/2009	777 AVE OF THE AMERICAS	NE 0 - 1/8 (0.096 mi.)	M120	287
PRIVATE RESIDENT Spill Number/Closed Date: 0812797 / 4/24/2009	777 6TH AVE	NE 0 - 1/8 (0.096 mi.)	M121	288
NYCTRANSIT TRUCK Spill Number/Closed Date: 0702181 / 5/24/2007	23RD & 6TH AVE	S 0 - 1/8 (0.097 mi.)	L123	290
23RD ST/6TH & 7TH AVE Spill Number/Closed Date: 9009912 / 12/12/1990	23RD ST/6TH & 7TH AVE	S 0 - 1/8 (0.097 mi.)	L127	298
SPILL NUMBER 0201374 Spill Number/Closed Date: 0104828 / 7/29/2002 Spill Number/Closed Date: 0201374 / 8/5/2002	23RD ST/6TH AVE	S 0 - 1/8 (0.097 mi.)	L128	299
SPILL NUMBER 0000361 Spill Number/Closed Date: 0000361 / 1/17/2002	6TH AVE & W. 23RD ST	S 0 - 1/8 (0.097 mi.)	L129	301
SPILL NUMBER 0306110 Spill Number/Closed Date: 0306110 / 10/29/2003	129 WEST 27TH ST	NNE 0 - 1/8 (0.114 mi.)	U150	346
SPILL NUMBER 9812378 Spill Number/Closed Date: 9812378 / 1/6/1999	114 WEST 27TH ST	NE 0 - 1/8 (0.116 mi.)	U160	365
SPILL NUMBER 9814178 Spill Number/Closed Date: 9814178 / 7/18/2003	***115 WEST 27TH ST***	***NE 0 - 1/8 (0.116 mi.)***	***U161***	***366***
115 W 27TH ST CO Spill Number/Closed Date: 9815385 / 10/28/2003 Spill Number/Closed Date: 9509100 / 10/25/1995	***115 W 27TH ST***	***NE 0 - 1/8 (0.116 mi.)***	***U162***	***368***
6TH ST & 27TH ST/BKLYN Spill Number/Closed Date: 8901733 / 5/20/1989	6TH STREET & 27TH STREE	NE 0 - 1/8 (0.123 mi.)	Y179	420
27TH ST Spill Number/Closed Date: 0000691 / 4/10/2003	BET 6TH & 7TH	N 0 - 1/8 (0.123 mi.)	S187	430

Lower Elevation	Address	Direction / Distance	Map ID	Page
APARTMENT BUILDING Spill Number/Closed Date: 0900035 / 4/29/2010	146 WEST 25TH STREET	NW 0 - 1/8 (0.036 mi.)	B16	66
FM RING ASSOC., INC. Spill Number/Closed Date: 9510916 / 11/30/1995	***142 W 24TH ST***	***WSW 0 - 1/8 (0.044 mi.)***	***F30***	***96***
152 WEST 25TH STREET Spill Number/Closed Date: 0802057 / 5/22/2008	152 WEST 25TH STREET	NW 0 - 1/8 (0.046 mi.)	B34	106
VACANT BUILDING Spill Number/Closed Date: 0600119 / 5/5/2008	159 WEST 24TH STREET	W 0 - 1/8 (0.063 mi.)	F63	168
165 WEST 25TH ST Spill Number/Closed Date: 9415262 / 2/26/2003	165 WEST 25TH ST	NW 0 - 1/8 (0.065 mi.)	G71	193
MANHOLE 46498 Spill Number/Closed Date: 9906922 / 2/3/2003	WEST 23RD/6TH AVE	S 0 - 1/8 (0.081 mi.)	L97	238
SITE Spill Number/Closed Date: 1011256 / 3/28/2011	124 WEST 23RD ST	SSW 0 - 1/8 (0.086 mi.)	J103	249
VAULT #8365 Spill Number/Closed Date: 0406444 / 10/23/2006	160-66 WEST 26TH ST	NNW 0 - 1/8 (0.087 mi.)	K108	254

Lower Elevation	Address	Direction / Distance	Map ID	Page
177 WEST 26TH STREET Spill Number/Closed Date: 9210365 / 12/8/1992	177 WEST 26TH STREET	NNW 0 - 1/8 (0.103 mi.)	O132	303
BASEMENT SPILL Spill Number/Closed Date: 0408042 / 12/15/2004	130 WEST 23RD ST	SW 0 - 1/8 (0.105 mi.)	N133	305
WEST 25TH ST & 7TH AVE Spill Number/Closed Date: 9709161 / 1/2/1998	WEST 25TH ST & 7TH AVE	NW 0 - 1/8 (0.123 mi.)	T183	425
RESIDENCE Spill Number/Closed Date: 9903226 / 6/22/1999	WEST 25TH & 7TH AVE	NW 0 - 1/8 (0.123 mi.)	T184	426
VAULT 5751 Spill Number/Closed Date: 9900626 / 1/29/2004	200 WEST 25TH ST	NW 0 - 1/8 (0.123 mi.)	T185	427
MH 44489 Spill Number/Closed Date: 9914577 / 11/16/2004	253 7TH AVE	WNW 0 - 1/8 (0.124 mi.)	T192	441
UNKNOWN Spill Number/Closed Date: 1206060 / Not Reported	250 7TH AVE	WNW 0 - 1/8 (0.124 mi.)	T193	442

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/10/2014 has revealed that there are 79 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISION - V8296	***135 W 25ST 135 W 25ST***	***N 0 - 1/8 (0.020 mi.)***	***A4***	***40***
CON ED - V 6408	***W 25TH ST***	***E 0 - 1/8 (0.044 mi.)***	***D27***	***92***
SPAR KNITWEAR INC	***127 W 25TH ST***	***NNW 0 - 1/8 (0.044 mi.)***	***B32***	***102***
STAVROS PARKING CORP	***736 6TH AVE***	***SSE 0 - 1/8 (0.053 mi.)***	***E50***	***137***
CON EDISON - VS 3530	***129 EAST 26TH STREET***	***NNE 0 - 1/8 (0.066 mi.)***	***I77***	***200***
AMBASSADOR ARTS INC	122 W 27TH ST 8TH FL	NNE 0 - 1/8 (0.106 mi.)	S134	306
DEMPSEY & CARROLL	122 W 27TH ST	NNE 0 - 1/8 (0.106 mi.)	S135	308
6TH AVENUE WEST ASSOC	***121 W 27TH ST - BASEMEN***	***NNE 0 - 1/8 (0.115 mi.)***	***U156***	***355***
IMPACT PRESENTATIONS INC	***121 W 27TH ST STE 602***	***NNE 0 - 1/8 (0.115 mi.)***	***U157***	***359***
INDUSTRIAL FUR DYEING INC	***121 W 27TH ST***	***NNE 0 - 1/8 (0.115 mi.)***	***U159***	***363***
EMPIRE PLATING CO	***115 W 27TH ST - 5TH FLO***	***NE 0 - 1/8 (0.116 mi.)***	***U163***	***373***
CON EDISION - R 9786	66 WEST 26TH ST. 66 WES	E 0 - 1/8 (0.122 mi.)	X177	419
GROW TUNNELING CORP	***71 W 23RD ST***	***SSE 1/8 - 1/4 (0.133 mi.)***	***Z215***	***485***
CON EDISION - V8176	***71 W.23 ST. 71 W.23 ST.***	***SSE 1/8 - 1/4 (0.135 mi.)***	***Z221***	***506***
NICO CONSTRUCTION CO INC	***50 W 23RD ST***	***SSE 1/8 - 1/4 (0.143 mi.)***	***AH249***	***584***
CHARMED IM SURE	***24 W 25TH ST***	***ESE 1/8 - 1/4 (0.145 mi.)***	***AI261***	***617***
MARVEL ENTERTAINMENT GROUP INC	***45 W 25TH ST 3RD FLOOR***	***ESE 1/8 - 1/4 (0.147 mi.)***	***AI265***	***632***
SANDBERG & SIKORSKI	***37 W 26TH ST***	***E 1/8 - 1/4 (0.147 mi.)***	***AK266***	***642***
IDEAL LABEL INC	***43 W 24TH ST***	***SE 1/8 - 1/4 (0.153 mi.)***	***AN280***	***693***
ENTERON GROUP LLC	***40 W 25TH ST***	***ESE 1/8 - 1/4 (0.159 mi.)***	***AI286***	***711***
V8426	***36 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.168 mi.)***	***AI310***	***771***
IMAGING CONSORTIUM	***28 W 25TH ST - 12TH FLO***	***ESE 1/8 - 1/4 (0.180 mi.)***	***BB337***	***836***
V3887	***48 W 23RD STREET***	***SSE 1/8 - 1/4 (0.183 mi.)***	***AQ350***	***878***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GUARDIAN CLEANERS	***27 W 24TH ST***	***SE 1/8 - 1/4 (0.184 mi.)***	***BE355***	***890***
KALROY CONTRACTORS INC	***150 W 28TH ST ROOM 1604***	***N 1/8 - 1/4 (0.186 mi.)***	***AR365***	***925***
STEIN KILLPATRICK & ROGAN	***15 W 26TH ST***	***E 1/8 - 1/4 (0.192 mi.)***	***AY397***	***995***
ADDS CO THE	***19 W 24TH ST***	***SE 1/8 - 1/4 (0.200 mi.)***	***BE419***	***1060***
DIGITAL PRE-PRESS INC	44 W 28TH ST	ENE 1/8 - 1/4 (0.202 mi.)	BQ426	1079
CON EDISON SERVICE BOX 28952	***1147 BROADWAY***	***E 1/8 - 1/4 (0.202 mi.)***	***BP428***	***1081***
CON EDISON SERVICE BOX 28953	***1151 BROADWAY***	***E 1/8 - 1/4 (0.205 mi.)***	***BP435***	***1094***
HASBRO MANAGERIAL SERVICES INC	***32 W 23RD ST***	***SE 1/8 - 1/4 (0.213 mi.)***	***BX462***	***1170***
MERIT ENGRAVING CO	***135 W 29TH ST 6TH FLOOR***	***NNE 1/8 - 1/4 (0.213 mi.)***	***BS467***	***1184***
CHROMACOMP INC	***129 W 29TH ST***	***NNE 1/8 - 1/4 (0.215 mi.)***	***CC478***	***1219***
CON EDISON VAULT 8925	***28 W 23 ST VAULT 8925***	***SE 1/8 - 1/4 (0.221 mi.)***	***BX515***	***1286***
CON EDISON VAULT 580	28 W 23 ST VAULT 580	SE 1/8 - 1/4 (0.221 mi.)	BX516	1287
HASBRO INC	1107 BROADWAY - 11TH F	ESE 1/8 - 1/4 (0.222 mi.)	CB524	1316
MAKING COPIES	***20 W 23RD ST***	***SE 1/8 - 1/4 (0.234 mi.)***	***BX579***	***1432***
MONTE NOVELTY PLATING CO	***44 W 29TH ST***	***ENE 1/8 - 1/4 (0.239 mi.)***	***CQ594***	***1481***
NYCDEP BWS & WWC - SHAFT 18	***25TH ST AT 5TH AVE & BR***	***SE 1/8 - 1/4 (0.244 mi.)***	***CZ606***	***1501***
CON ED - V 2701	1 W 24 ST	SE 1/8 - 1/4 (0.244 mi.)	CZ607	1506
CON EDISON - VS 9773	***32 WEST 29TH STREET***	***ENE 1/8 - 1/4 (0.247 mi.)***	***CY613***	***1519***
V0212	***1 W51 STREET***	***ESE 1/8 - 1/4 (0.249 mi.)***	***DB620***	***1529***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON ED - V 6409	***152 W 25 ST***	***NW 0 - 1/8 (0.046 mi.)***	***B37***	***111***
CIRCLE JEWELRY PRODUCTS CO	***148 W 24TH ST***	***WSW 0 - 1/8 (0.049 mi.)***	***F41***	***117***
AMBIENT LABS	***159 W 25TH ST***	***NW 0 - 1/8 (0.056 mi.)***	***G53***	***142***
CON ED - V 2870	160 W 26TH ST	NNW 0 - 1/8 (0.086 mi.)	K105	251
CAPPIELLO KING ASSOCIATES INC	***148 W 23RD ST STE 1B***	***WSW 0 - 1/8 (0.123 mi.)***	***AA191***	***438***
FEDERAL BUILDING THE	***252 7TH AVE***	***WNW 1/8 - 1/4 (0.126 mi.)***	***T203***	***458***
HAROLD FREEMAN JEWELRY MFG CO	***275 SEVENTH AVE - 8TH F***	***NW 1/8 - 1/4 (0.129 mi.)***	***AC209***	***470***
NEW YORK LABEL & BOX CORP	***275 7TH AVE***	***NW 1/8 - 1/4 (0.129 mi.)***	***AC212***	***475***
CON ED - V 1321	***200 W 25 ST***	***NW 1/8 - 1/4 (0.130 mi.)***	***T213***	***483***
TECHNICAL SERVICE INDUSTRIES I	***126 W 22ND ST***	***SSW 1/8 - 1/4 (0.138 mi.)***	***AE230***	***527***
ISAACSON BROTHERS INC	***136 W 22ND ST***	***SW 1/8 - 1/4 (0.139 mi.)***	***AE234***	***533***
D & B REPRODUCTIONS INC	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.140 mi.)***	***AC237***	***538***
GOLD VALET EAST INC	***140 W 22ND ST***	***SW 1/8 - 1/4 (0.140 mi.)***	***AE239***	***553***
MIMI DI N INC	***140 W 22ND ST 5TH FL***	***SW 1/8 - 1/4 (0.140 mi.)***	***AE242***	***568***
CHELSEA BLACK & WHITE	***132 W 22ND ST -11TH FLO***	***SW 1/8 - 1/4 (0.141 mi.)***	***AE244***	***572***
GRAPHIC SPECIALTIES INC DBA UN	***150 W 22ND ST 6TH FL***	***SW 1/8 - 1/4 (0.144 mi.)***	***AF251***	***590***
GARIB STEVEN	200 W 26TH ST	NW 1/8 - 1/4 (0.145 mi.)	AD260	616
NYC PUBLIC LIBRARY - MUHLENBER	***209 W 23RD ST***	***W 1/8 - 1/4 (0.164 mi.)***	***AM296***	***744***
CON EDISON - VAULT 6081	208 WEST 23 ST	W 1/8 - 1/4 (0.165 mi.)	AM298	752
NYC BD OF ED - FASHION INDUSTR	***225 W 24TH ST***	***WNW 1/8 - 1/4 (0.171 mi.)***	***AV314***	***776***
EVERWED OF NEW YORK	***305 7TH AVE***	***NNW 1/8 - 1/4 (0.179 mi.)***	***BA335***	***823***
V0019	***207 W 27 STREET***	***NNW 1/8 - 1/4 (0.181 mi.)***	***BA339***	***841***
M & Z BENCH	***307 7TH AVE 604***	***NNW 1/8 - 1/4 (0.182 mi.)***	***BA342***	***846***
CON ED - V 5536	***133 W 21ST ST V 5536***	***SSW 1/8 - 1/4 (0.185 mi.)***	***BC359***	***901***
WUNDERMAN WORLD WIDE CINQUE	***675 AVE OF THE AMERICAS***	***SSW 1/8 - 1/4 (0.185 mi.)***	***BF362***	***910***
VISION GRAPHIC	***132 W 21ST ST***	***SSW 1/8 - 1/4 (0.187 mi.)***	***BC376***	***947***
ELBERT HOLDING CORP	***142 W 21ST ST***	***SW 1/8 - 1/4 (0.189 mi.)***	***BH383***	***964***
ANN SERVICE CORP	***161 W 21ST ST***	***SW 1/8 - 1/4 (0.193 mi.)***	***BH405***	***1021***
CON EDISON - MH M44532	***W 28TH ST & 7TH AV***	***N 1/8 - 1/4 (0.206 mi.)***	***BN442***	***1104***
CON EDISON AT FASHION INSTITUT	***227 W 27TH ST***	***NNW 1/8 - 1/4 (0.207 mi.)***	***BM449***	***1113***
MARESCA JEWELRY CO	191 SEVENTH AVE	WSW 1/8 - 1/4 (0.217 mi.)	CE501	1263
V9203	***233 W 22ND STREET***	***W 1/8 - 1/4 (0.226 mi.)***	***CM538***	***1342***
ALMAR METAL SPINNING CORP	***135 W 20TH ST***	***SSW 1/8 - 1/4 (0.231 mi.)***	***CO553***	***1372***
CON EDISON - VS 1798	***245 W. 27TH ST.***	***NNW 1/8 - 1/4 (0.231 mi.)***	***CF558***	***1383***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
KWIK INTL COLOR LTD	***229 W 28TH ST 8TH & 9TH***	***NNW 1/8 - 1/4 (0.239 mi.)***	***CV592***	***1475***
RVS2747	***641 6TH AVENUE***	***SSW 1/8 - 1/4 (0.247 mi.)***	***CO614***	***1521***
CON ED - V 5049	641 6TH AVE	SSW 1/8 - 1/4 (0.247 mi.)	CO615	1523

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 12/31/2013 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 1/2 - 1 (0.932 mi.)***	***0***	***8***

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 1/2 - 1 (0.932 mi.)***	***0***	***8***

NY HSWDS: The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity The latest version of the study is frozen in time. The sites on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

A review of the NY HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there are 3 NY HSWDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INTERNATIONAL DIAL CO.	22 W. 19TH STREET	S 1/4 - 1/2 (0.352 mi.)	DK657	1602

Lower Elevation	Address	Direction / Distance	Map ID	Page
FEDERAL BUILDING SITE	***252 7TH AVE***	***WNW 1/8 - 1/4 (0.126 mi.)***	***T204***	***461***
AMERICAN RADIUM INDUSTRIES	3 NEW YORK PLAZA	SSW 1/4 - 1/2 (0.427 mi.)	679	1643

EXECUTIVE SUMMARY

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 08/01/2014 has revealed that there are 157 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISION - V8296	***135 W 25ST 135 W 25ST***	***N 0 - 1/8 (0.020 mi.)***	***A4***	***40***
CON EDISON	54 W 25 ST	E 0 - 1/8 (0.044 mi.)	D26	91
CON ED - V 6408	***W 25TH ST***	***E 0 - 1/8 (0.044 mi.)***	***D27***	***92***
CON EDISON	46 W 25 ST	E 0 - 1/8 (0.044 mi.)	D28	94
CON EDISON - VS 3530	***129 EAST 26TH STREET***	***NNE 0 - 1/8 (0.066 mi.)***	***I77***	***200***
MTA NYCT - 23RD STREET STATION	W 23RD ST & 6TH AVE	S 0 - 1/8 (0.097 mi.)	L126	295
AMBASSADOR ART	122 W 27TH STREET	NNE 0 - 1/8 (0.106 mi.)	S136	309
AMBASSADOR ARTS INCORPORATED	***122 WEST 27TH STREET***	***NNE 0 - 1/8 (0.106 mi.)***	***S137***	***310***
CONSOLIDATED EDISON	V3793-121 W 27TH ST	NNE 0 - 1/8 (0.115 mi.)	U155	355
6TH AVENUE WEST ASSOC	***121 W 27TH ST - BASEMEN***	***NNE 0 - 1/8 (0.115 mi.)***	***U156***	***355***
IMPACT PRESENTATIONS INC	***121 W 27TH ST STE 602***	***NNE 0 - 1/8 (0.115 mi.)***	***U157***	***359***
EMPIRE PLATING CO	***115 W 27TH ST - 5TH FLO***	***NE 0 - 1/8 (0.116 mi.)***	***U163***	***373***
DAN KANE PLATING INC	***115 WEST 27TH STREET***	***NE 0 - 1/8 (0.116 mi.)***	***U164***	***377***
TART OPTICAL ENTERPRISES	135 WEST 27TH ST	NNE 0 - 1/8 (0.118 mi.)	S170	403
CON EDISION - R 9786	***66 WEST 26TH ST. 66 WES***	***E 0 - 1/8 (0.122 mi.)***	***X178***	***420***
CON EDISON	80 WEST 23RD ST.	SSE 0 - 1/8 (0.123 mi.)	Z186	429
GROW TUNNELING CORP	***71 W 23RD ST***	***SSE 1/8 - 1/4 (0.133 mi.)***	***Z215***	***485***
CON EDISION - V8176	***71 W.23 ST. 71 W.23 ST.***	***SSE 1/8 - 1/4 (0.135 mi.)***	***Z221***	***506***
CON EDISON	72 WEST 23RD ST.	SSE 1/8 - 1/4 (0.136 mi.)	Z224	509
CONSOLIDATED EDISON	43 WEST 22ND ST	SSE 1/8 - 1/4 (0.143 mi.)	AH248	583
NICO CONSTRUCTION CO INC	***50 W 23RD ST***	***SSE 1/8 - 1/4 (0.143 mi.)***	***AH249***	***584***
CHARMED IM SURE	***24 W 25TH ST***	***ESE 1/8 - 1/4 (0.145 mi.)***	***AI261***	***617***
MARVEL ENTERTAINMENT GROUP INC	***45 W 25TH ST 3RD FLOOR***	***ESE 1/8 - 1/4 (0.147 mi.)***	***AI265***	***632***
SANDBERG & SIKORSKI	***37 W 26TH ST***	***E 1/8 - 1/4 (0.147 mi.)***	***AK266***	***642***
CONSOLIDATED EDISON	FRONT OF 805 6TH AVE	NE 1/8 - 1/4 (0.148 mi.)	AL272	683
IDEAL LABEL INC	***43 W 24TH ST***	***SE 1/8 - 1/4 (0.153 mi.)***	***AN280***	***693***
CON EDISON	FO 52 W 27 ST	ENE 1/8 - 1/4 (0.159 mi.)	AJ284	707
ENTERON GROUP LLC	***40 W 25TH ST***	***ESE 1/8 - 1/4 (0.159 mi.)***	***AI286***	***711***
ADAMS & CO REAL ESTATE INC	***53 W 23RD ST 8TH FLOOR***	***SSE 1/8 - 1/4 (0.162 mi.)***	***AQ289***	***728***
CON EDISON	53 W 23RD ST	SSE 1/8 - 1/4 (0.162 mi.)	AQ291	736
CON EDISON	139 W 28 ST	NNE 1/8 - 1/4 (0.165 mi.)	AP300	755
V8426	***36 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.168 mi.)***	***AI310***	***771***
CON EDISON	816 6 AVE	NE 1/8 - 1/4 (0.171 mi.)	AX316	786
CON EDISON	817 6 AVE	NE 1/8 - 1/4 (0.176 mi.)	AX322	798
CON EDISON	FT OF 61 WEST 22ND ST	SSE 1/8 - 1/4 (0.183 mi.)	BD349	877
V3887	***48 W 23RD STREET***	***SSE 1/8 - 1/4 (0.183 mi.)***	***AQ350***	***878***
GUARDIAN CLEANERS	***27 W 24TH ST***	***SE 1/8 - 1/4 (0.184 mi.)***	***BE355***	***890***
CON EDISON	37 W 23RS ST	SE 1/8 - 1/4 (0.187 mi.)	BG369	930
CON EDISON	823 6 AVE	NE 1/8 - 1/4 (0.191 mi.)	AX390	984
STEIN KILLPATRICK & ROGAN	***15 W 26TH ST***	***E 1/8 - 1/4 (0.192 mi.)***	***AY397***	***995***
HOME DEPOT USA INC HD6175	***40 W 23RD ST***	***SE 1/8 - 1/4 (0.195 mi.)***	***BG409***	***1030***
CON EDISON	826 6 AVE	NE 1/8 - 1/4 (0.196 mi.)	BL411	1048
HORAN ENGRAVING CO INC	***44 W 28TH ST***	***ENE 1/8 - 1/4 (0.202 mi.)***	***BQ425***	***1068***
CONED -	1147 BROADWAY	E 1/8 - 1/4 (0.202 mi.)	BP427	1080
KIM JOHN RESIDENCE	***15 W 24TH ST - 6TH FLOO***	***SE 1/8 - 1/4 (0.204 mi.)***	***BE433***	***1090***
CONED -	1151 BROADWAY	E 1/8 - 1/4 (0.205 mi.)	BP436	1096
CON EDISON	829 6 AVE	NE 1/8 - 1/4 (0.205 mi.)	BL438	1097
CON EDISON	1165 BROADWAY	E 1/8 - 1/4 (0.208 mi.)	BI451	1156
CON EDISON	FO 124 WEST 29 ST	NNE 1/8 - 1/4 (0.211 mi.)	BS456	1162
CON EDISON	FO 140 WEST 29 ST	NNE 1/8 - 1/4 (0.212 mi.)	BS461	1169
MERIT ENGRAVING CO	***135 W 29TH ST 6TH FLOOR***	***NNE 1/8 - 1/4 (0.213 mi.)***	***BS467***	***1184***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSOLIDATED EDISON	29 W 28TH ST	ENE 1/8 - 1/4 (0.214 mi.)	BQ470	1192
104 WEST 29TH ST. REALTY CO.	***104 WEST 29TH STREET***	***NE 1/8 - 1/4 (0.214 mi.)***	***BL473***	***1200***
CON EDISON	FO 113 WEST 29 ST	NE 1/8 - 1/4 (0.214 mi.)	CA475	1216
129 WEST 29TH LLC	***129 WEST 29TH STREET***	***NNE 1/8 - 1/4 (0.215 mi.)***	***CC482***	***1226***
CON EDISON	FO 9 WEST 24TH ST	SE 1/8 - 1/4 (0.215 mi.)	CB483	1228
CON EDISON	9 W 24TH ST	SE 1/8 - 1/4 (0.215 mi.)	CB484	1229
CON EDISON	9 W 24 ST	SE 1/8 - 1/4 (0.215 mi.)	CB485	1230
CON EDISON	FO 100 WEST 29 ST	NE 1/8 - 1/4 (0.215 mi.)	BL486	1231
CON EDISON	FO 107 WEST 29 ST	NE 1/8 - 1/4 (0.215 mi.)	CA488	1234
CON EDISON	35 W 22ND ST	SSE 1/8 - 1/4 (0.220 mi.)	CD510	1278
CON EDISON	35 W 22ND ST	SSE 1/8 - 1/4 (0.220 mi.)	CD511	1279
CON EDISON	35 W 22ND ST	SSE 1/8 - 1/4 (0.220 mi.)	CD512	1280
CONSOLIDATED EDISON	28 WEST 23RD ST	SE 1/8 - 1/4 (0.221 mi.)	BX514	1284
CON EDISON VAULT 8925	***28 W 23 ST VAULT 8925***	***SE 1/8 - 1/4 (0.221 mi.)***	***BX515***	***1286***
NEW YORK CITY DEP	165 W 29TH ST	NNE 1/8 - 1/4 (0.222 mi.)	BT519	1294
CON EDISON	OPP 169 WEST 29TH ST	N 1/8 - 1/4 (0.224 mi.)	BT530	1327
WCD CONSULTANTS	200 FIFTH AVENUE	SE 1/8 - 1/4 (0.230 mi.)	CB544	1352
CON EDISON	6 W 26TH ST	ESE 1/8 - 1/4 (0.232 mi.)	CG560	1386
CON EDISON	FO 56 WEST 29 ST	NE 1/8 - 1/4 (0.233 mi.)	CQ569	1404
BIG APPLE COLOR & GRAPHICS	20 W 23RD ST	SE 1/8 - 1/4 (0.234 mi.)	BX578	1423
CON EDISON	FT OF 44 W 21ST ST	S 1/8 - 1/4 (0.243 mi.)	CU599	1490
NYCDEP BWS & WWC - SHAFT 18	***25TH ST AT 5TH AVE & BR***	***SE 1/8 - 1/4 (0.244 mi.)***	***CZ606***	***1501***
CON EDISON	19 W 22ND ST	SSE 1/8 - 1/4 (0.246 mi.)	CS610	1513
CON EDISON - VS 9773	***32 WEST 29TH STREET***	***ENE 1/8 - 1/4 (0.247 mi.)***	***CY613***	***1519***
CON EDISON	FT OF 39 W 21ST ST	SSE 1/8 - 1/4 (0.247 mi.)	CU616	1524
V0212	***1 W51 STREET***	***ESE 1/8 - 1/4 (0.249 mi.)***	***DB620***	***1529***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON ED - V 6409	***152 W 25 ST***	***NW 0 - 1/8 (0.046 mi.)***	***B37***	***111***
CIRCLE JEWELRY PRODUCTS CO	***148 W 24TH ST***	***WSW 0 - 1/8 (0.049 mi.)***	***F41***	***117***
AMBIENT LABS	***159 W 25TH ST***	***NW 0 - 1/8 (0.056 mi.)***	***G53***	***142***
CONSOLIDATED EDISON	162 W 24 ST VS9776	W 0 - 1/8 (0.069 mi.)	80	208
CON EDISON	FO 167 W 26 ST	NNW 0 - 1/8 (0.094 mi.)	O115	277
23 FRENCH DRY CLEANERS	***169 W 23RD ST***	***WSW 0 - 1/8 (0.108 mi.)***	***R143***	***323***
CAPPIELLO KING ASSOCIATES INC	***148 W 23RD ST STE 1B***	***WSW 0 - 1/8 (0.123 mi.)***	***AA191***	***438***
FEDERAL BUILDING SITE	***252 7TH AVE***	***WNW 1/8 - 1/4 (0.126 mi.)***	***T204***	***461***
252 SEVENTH LLC	252 SEVENTH AVE	WNW 1/8 - 1/4 (0.126 mi.)	T205	467
BELL ATLANTIC NY	W 24TH ST & 7TH AVE MAN	WNW 1/8 - 1/4 (0.127 mi.)	W206	468
HAROLD FREEMAN JEWELRY MFG CO	***275 SEVENTH AVE - 8TH F***	***NW 1/8 - 1/4 (0.129 mi.)***	***AC209***	***470***
NEW YORK LABEL & BOX CORP	***275 7TH AVE***	***NW 1/8 - 1/4 (0.129 mi.)***	***AC212***	***475***
CON ED - V 1321	***200 W 25 ST***	***NW 1/8 - 1/4 (0.130 mi.)***	***T213***	***483***
CON EDISON	234 7TH AVE	W 1/8 - 1/4 (0.135 mi.)	222	507
CONSOLIDATED EDISON	7TH AVE & W 26TH ST MH5	NNW 1/8 - 1/4 (0.140 mi.)	AD236	537
D & B REPRODUCTIONS INC	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.140 mi.)***	***AC237***	***538***
DARBERT CORP	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.140 mi.)***	***AC238***	***546***
GOLD VALET EAST INC	***140 W 22ND ST***	***SW 1/8 - 1/4 (0.140 mi.)***	***AE239***	***553***
MIMI DI N INCORPORATED	***140 WEST 22ND STREET***	***SW 1/8 - 1/4 (0.140 mi.)***	***AE241***	***567***
GRAPHIC SPECIALTIES INC DBA UN	***150 W 22ND ST 6TH FL***	***SW 1/8 - 1/4 (0.144 mi.)***	***AF251***	***590***
CON EDISON	20 W 22ND ST	SSW 1/8 - 1/4 (0.144 mi.)	AG254	607
CON EDISON	FT OF 2 W 22ND STREET	SSW 1/8 - 1/4 (0.144 mi.)	AG255	608
CON EDISON	20 W 22ND ST	SSW 1/8 - 1/4 (0.144 mi.)	AG257	611
CONSOLIDATED EDISON	23RD ST & 7TH AVE	W 1/8 - 1/4 (0.149 mi.)	AM273	684
CON EDISON	FO 204 W 26 ST	NW 1/8 - 1/4 (0.151 mi.)	AD275	687
NYC PUBLIC LIBRARY - MUHLENBER	***209 W 23RD ST***	***W 1/8 - 1/4 (0.164 mi.)***	***AM296***	***744***
CONSLIDATED EDISON	V6081-F/O 208 W 23RD ST	W 1/8 - 1/4 (0.168 mi.)	AM307	767

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSOLIDATED EDISON	208 14 W 23RD ST V6081	W 1/8 - 1/4 (0.168 mi.)	AM308	768
CONSOLIDATED EDISON	V6081-208 W 23RD ST	W 1/8 - 1/4 (0.168 mi.)	AM309	770
CON EDISON	7 AVE & 27 ST	NNW 1/8 - 1/4 (0.169 mi.)	AO312	775
NYC BD OF ED - FASHION INDUSTR	***225 W 24TH ST***	***WNW 1/8 - 1/4 (0.171 mi.)***	***AV314***	***776***
CONED	220 E 26TH ST	NW 1/8 - 1/4 (0.175 mi.)	AU318	789
EVERWED OF NEW YORK	***305 7TH AVE***	***NNW 1/8 - 1/4 (0.179 mi.)***	***BA335***	***823***
V0019	***207 W 27 STREET***	***NNW 1/8 - 1/4 (0.181 mi.)***	***BA339***	***841***
M & Z BENCH	***307 7TH AVE 604***	***NNW 1/8 - 1/4 (0.182 mi.)***	***BA342***	***846***
SCHOOL OF VISUAL ARTS	***141 W 21ST ST***	***SSW 1/8 - 1/4 (0.182 mi.)***	***BC344***	***850***
SCHOOL OF VISUAL ARTS	133 W 21 ST	SSW 1/8 - 1/4 (0.182 mi.)	BC345	861
CON ED - V 5536	***133 W 21ST ST V 5536***	***SSW 1/8 - 1/4 (0.185 mi.)***	***BC359***	***901***
WUNDERMAN WORLD WIDE CINQUE	***675 AVE OF THE AMERICAS***	***SSW 1/8 - 1/4 (0.185 mi.)***	***BF362***	***910***
CON EDISON	FO 128 W 21 ST	SSW 1/8 - 1/4 (0.187 mi.)	BC367	930
CON EDISON	FO 124 W 21 ST	SSW 1/8 - 1/4 (0.187 mi.)	BC368	930
SCHOOL OF VISUAL ARTS	132-136 W 21ST ST	SSW 1/8 - 1/4 (0.187 mi.)	BC374	944
VISION GRAPHIC	***132 W 21ST ST***	***SSW 1/8 - 1/4 (0.187 mi.)***	***BC376***	***947***
125 WEST 21ST STREET - ALCHEMY	***121-129 W 21ST ST***	***SSW 1/8 - 1/4 (0.188 mi.)***	***BC380***	***955***
CON EDISON	FT OF 147 W 21 STREET	SW 1/8 - 1/4 (0.188 mi.)	BH381	963
CON EDISON	FO 112 W 21 ST	SSW 1/8 - 1/4 (0.188 mi.)	BC382	964
ELBERT HOLDING CORP	***142 W 21ST ST***	***SW 1/8 - 1/4 (0.189 mi.)***	***BH383***	***964***
ANN SERVICE CORP	***161 W 21ST ST***	***SW 1/8 - 1/4 (0.193 mi.)***	***BH405***	***1021***
CONED	233 E 26TH ST	NW 1/8 - 1/4 (0.194 mi.)	BK406	1024
CONSOLIDATED EDISON	220 W 27 ST	NNW 1/8 - 1/4 (0.197 mi.)	BM415	1055
CON EDISON	199-201 7TH AVE	WSW 1/8 - 1/4 (0.201 mi.)	BJ421	1062
CONSOLIDATED EDISON	W 28 ST & 7 AVE V5843	N 1/8 - 1/4 (0.204 mi.)	BN432	1089
CON EDISON	226 W 27 ST	NNW 1/8 - 1/4 (0.205 mi.)	BM440	1100
CON EDISON - MH M44532	***W 28TH ST & 7TH AV***	***N 1/8 - 1/4 (0.206 mi.)***	***BN442***	***1104***
MTA NYCT - 28TH STREET STATION	28TH ST & 7TH AVE	N 1/8 - 1/4 (0.206 mi.)	BN443	1107
CON EDISON	319 7 AVE	N 1/8 - 1/4 (0.206 mi.)	BN447	1110
CON EDISON AT FASHION INSTITUT	***227 W 27TH ST***	***NNW 1/8 - 1/4 (0.207 mi.)***	***BM449***	***1113***
CON EDISON AT FASHION INSTITUT	***227 W 27TH ST***	***NNW 1/8 - 1/4 (0.207 mi.)***	***BM450***	***1117***
CON EDISON	250 W 25 ST	WNW 1/8 - 1/4 (0.211 mi.)	BV453	1158
CONSOLIDATED EDISON	250 W 25TH ST MH4678	WNW 1/8 - 1/4 (0.211 mi.)	BV454	1159
CON EDISON	FO 191 7 AVE	WSW 1/8 - 1/4 (0.217 mi.)	CE502	1265
PIERMONT CLEANERS	***188 7TH AVE***	***WSW 1/8 - 1/4 (0.222 mi.)***	***CE522***	***1299***
CON EDISON	7 AVE & W 21 ST	WSW 1/8 - 1/4 (0.223 mi.)	CE526	1321
CON EDISON	259 W 25 ST	WNW 1/8 - 1/4 (0.224 mi.)	BV529	1326
CON EDISON	201 W 21ST ST	WSW 1/8 - 1/4 (0.225 mi.)	CE534	1335
ONEILL CONDOMINIUM	655 6TH AVE	SSW 1/8 - 1/4 (0.226 mi.)	CK537	1341
V9203	***233 W 22ND STREET***	***W 1/8 - 1/4 (0.226 mi.)***	***CM538***	***1342***
CON EDISON	129 W 20 ST	SSW 1/8 - 1/4 (0.231 mi.)	CO548	1365
CON EDISON	121 W 20 ST	SSW 1/8 - 1/4 (0.231 mi.)	CO550	1369
CON EDISON - VS 1798	***245 W. 27TH ST.***	***NNW 1/8 - 1/4 (0.231 mi.)***	***CF558***	***1383***
CON EDISON	111 W 20 ST	SSW 1/8 - 1/4 (0.232 mi.)	CK559	1385
CON EDISON	128 W 20 ST	SSW 1/8 - 1/4 (0.233 mi.)	CO564	1391
CON EDISON	118 W 20 ST	SSW 1/8 - 1/4 (0.233 mi.)	CO565	1392
CON ED	209 W 21 ST	WSW 1/8 - 1/4 (0.233 mi.)	CE566	1393
CON EDISON	110 W 20TH ST	SSW 1/8 - 1/4 (0.234 mi.)	CK575	1418
CON EDISON	101 W 20 ST	SSW 1/8 - 1/4 (0.234 mi.)	CK576	1419
CON EDISON	154 W 54 ST	SW 1/8 - 1/4 (0.237 mi.)	584	1446
SWAN'S II CLEANERS	***181 7TH AVENUE***	***WSW 1/8 - 1/4 (0.237 mi.)***	***CE586***	***1448***
KWIK INTL COLOR LTD	***229 W 28TH ST 8TH & 9TH***	***NNW 1/8 - 1/4 (0.239 mi.)***	***CV592***	***1475***
RVS2747	***641 6TH AVENUE***	***SSW 1/8 - 1/4 (0.247 mi.)***	***CO614***	***1521***

EXECUTIVE SUMMARY

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 08/01/2014 has revealed that there are 11 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAW & ORDER - CRIMINAL INTENT	***PIER 61 W 23RD ST AT WE***	***SSE 1/8 - 1/4 (0.148 mi.)***	***AH271***	***662***
CON EDISON SERVICE BOX 28952	***1147 BROADWAY***	***E 1/8 - 1/4 (0.202 mi.)***	***BP428***	***1081***
CON EDISON SERVICE BOX 28953	***1151 BROADWAY***	***E 1/8 - 1/4 (0.205 mi.)***	***BP435***	***1094***
LAZYAN	104 W 29TH ST 7TH FL	NE 1/8 - 1/4 (0.214 mi.)	BL471	1193
NYCT - 28TH ST STATION N/R LIN	***COR OF 28TH ST & BROADW***	***ENE 1/8 - 1/4 (0.224 mi.)***	***CJ528***	***1324***
200 FIFTH AVENUE LLC	***200 FIFTH AVENUE***	***SE 1/8 - 1/4 (0.230 mi.)***	***CB545***	***1354***
NYCDEP BWS & WWC - SHAFT 18	***25TH ST AT 5TH AVE & BR***	***SE 1/8 - 1/4 (0.244 mi.)***	***CZ606***	***1501***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SCHOOL OF VISUAL ARTS	***133-141 W 21ST ST***	***SSW 1/8 - 1/4 (0.182 mi.)***	***BC346***	***870***
125 WEST 21ST STREET - ALCHEMY	***121-129 W 21ST ST***	***SSW 1/8 - 1/4 (0.188 mi.)***	***BC380***	***955***
CON EDISON	***220 W 27TH ST***	***NNW 1/8 - 1/4 (0.197 mi.)***	***BM414***	***1053***
CON EDISON AT FASHION INSTITUT	***227 W 27TH ST***	***NNW 1/8 - 1/4 (0.207 mi.)***	***BM450***	***1117***

RI MANIFEST: Hazardous waste manifest information

A review of the RI MANIFEST list, as provided by EDR, and dated 08/01/2014 has revealed that there is 1 RI MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DAN KANE PLATING INC	***115 W 27TH ST 2ND FLOOR***	***NE 0 - 1/8 (0.116 mi.)***	***U165***	***389***

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 07/17/2014 has revealed that there are 5 NY DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DIGITAL CLEANERS	107 W 26TH STREET	NE 0 - 1/8 (0.074 mi.)	H88	223

Lower Elevation	Address	Direction / Distance	Map ID	Page
23RD FRECH DRY CLEANERS	169 W. 23RD STREET	WSW 0 - 1/8 (0.108 mi.)	R140	320
MIMI DI N INCORPORATED	***140 WEST 22ND STREET***	***SW 1/8 - 1/4 (0.140 mi.)***	***AE241***	***567***
PIERMONT CLEANERS	188 7TH AVENUE	WSW 1/8 - 1/4 (0.222 mi.)	CE521	1299
SWAN'S II CLEANERS	181 SEVENTH AVENUE	WSW 1/8 - 1/4 (0.237 mi.)	CE585	1448

NY E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 09/04/2014 has revealed that there are 16 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 1,TAXBLOCK 826	736 6 AVENUE	SSE 0 - 1/8 (0.053 mi.)	E49	134
LOT 82,TAXBLOCK 825	732 6 AVENUE	SSE 0 - 1/8 (0.058 mi.)	E54	146

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 34,TAXBLOCK 801	103 WEST 25 STREET	ENE 0 - 1/8 (0.076 mi.)	H91	228
LOT 36,TAXBLOCK 802	777 6 AVENUE	ENE 0 - 1/8 (0.085 mi.)	M102	247
LOT 1,TAXBLOCK 828	776 6 AVENUE	ENE 0 - 1/8 (0.086 mi.)	M106	252
LOT 1,TAXBLOCK 829	796 6 AVENUE	NE 0 - 1/8 (0.125 mi.)	Y198	452

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 7,TAXBLOCK 800	159 WEST 24 STREET	W 0 - 1/8 (0.062 mi.)	F62	167
LOT 74,TAXBLOCK 800	164 WEST 25 STREET	NW 0 - 1/8 (0.065 mi.)	G69	188
LOT 76,TAXBLOCK 800	168 WEST 25 STREET	NW 0 - 1/8 (0.071 mi.)	G86	219
LOT 7,TAXBLOCK 799	167 WEST 23 STREET	WSW 0 - 1/8 (0.106 mi.)	R138	315
LOT 6,TAXBLOCK 799	169 WEST 23 STREET	WSW 0 - 1/8 (0.108 mi.)	R141	320
LOT 79,TAXBLOCK 800	257 7 AVENUE	WNW 0 - 1/8 (0.109 mi.)	T144	337
LOT 7502,TAXBLOCK 798	170 WEST 23 STREET	WSW 0 - 1/8 (0.112 mi.)	R148	344
LOT 78,TAXBLOCK 800	259 7 AVENUE	WNW 0 - 1/8 (0.123 mi.)	T180	421
LOT 77,TAXBLOCK 800	261 7 AVENUE	WNW 0 - 1/8 (0.123 mi.)	T181	423
LOT 5,TAXBLOCK 800	253 7 AVENUE	WNW 0 - 1/8 (0.124 mi.)	T194	443

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 4 EDR MGP sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - WEST 18TH ST. GAS	WEST 16TH - WEST 20TH S	W 1/2 - 1 (0.720 mi.)	718	1728
CON EDISON - 19TH ST. WORKS MG	11TH AVE BETWEEN W 19TH	W 1/2 - 1 (0.799 mi.)	719	1728
19TH STREET DEVELOPMENT SITE	80 11TH AVENUE	W 1/2 - 1 (0.807 mi.)	720	1728
CON EDISON - EAST 32ND ST. STA	EAST 32ND - EAST 33RD S	E 1/2 - 1 (0.995 mi.)	721	1729

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 41 EDR US

EXECUTIVE SUMMARY

Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	133 W 25TH ST	N 0 - 1/8 (0.020 mi.)	A5	42
Not reported	127 W 26TH ST	NNE 0 - 1/8 (0.066 mi.)	I73	195
Not reported	110 W 26TH ST	NE 0 - 1/8 (0.069 mi.)	H83	216
Not reported	122 W 27TH ST	NNE 0 - 1/8 (0.113 mi.)	U149	346
Not reported	129 W 27TH ST	NNE 0 - 1/8 (0.115 mi.)	U154	354
Not reported	796 AVENUE OF THE AMER	NE 0 - 1/8 (0.125 mi.)	Y199	454
Not reported	91 W 27TH ST	ENE 1/8 - 1/4 (0.131 mi.)	V214	484
Not reported	43 W 24TH ST	SE 1/8 - 1/4 (0.153 mi.)	AN277	689
Not reported	141 W 28TH ST	N 1/8 - 1/4 (0.177 mi.)	AR328	813
Not reported	1121 BROADWAY	ESE 1/8 - 1/4 (0.191 mi.)	BB394	989
Not reported	1133 BROADWAY	ESE 1/8 - 1/4 (0.200 mi.)	BO418	1060
Not reported	19 W 24TH ST	SE 1/8 - 1/4 (0.200 mi.)	BE420	1062
Not reported	1161 BROADWAY	E 1/8 - 1/4 (0.206 mi.)	BI446	1109
Not reported	10 W 24TH ST	SE 1/8 - 1/4 (0.214 mi.)	CB476	1216
Not reported	1170 BROADWAY	ENE 1/8 - 1/4 (0.217 mi.)	BZ498	1256
Not reported	839 AVENUE OF THE AMER	NE 1/8 - 1/4 (0.228 mi.)	CN542	1352
Not reported	12 W 23RD ST	SE 1/8 - 1/4 (0.244 mi.)	604	1497
Not reported	1090 BROADWAY	SE 1/8 - 1/4 (0.249 mi.)	CZ619	1528

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	149 W 24TH ST	WSW 0 - 1/8 (0.049 mi.)	F39	115
Not reported	127 W 23RD ST	SW 0 - 1/8 (0.064 mi.)	J67	184
Not reported	132 W 23RD ST	SW 0 - 1/8 (0.086 mi.)	J107	254
Not reported	143 W 23RD ST	SW 0 - 1/8 (0.088 mi.)	N110	266
Not reported	261 7TH AVE	WNW 0 - 1/8 (0.123 mi.)	T182	425
Not reported	270 7TH AVE	NW 1/8 - 1/4 (0.128 mi.)	AC207	468
Not reported	276 7TH AVE	NW 1/8 - 1/4 (0.137 mi.)	AD228	524
Not reported	120 W 22ND ST	SSW 1/8 - 1/4 (0.138 mi.)	AE232	530
Not reported	695 AVENUE OF THE AMER	S 1/8 - 1/4 (0.143 mi.)	AG246	582
Not reported	690 AVENUE OF THE AMER	S 1/8 - 1/4 (0.146 mi.)	AG264	632
Not reported	210 7TH AVE	WSW 1/8 - 1/4 (0.168 mi.)	AS306	767
Not reported	666 AVENUE OF THE AMER	SSW 1/8 - 1/4 (0.205 mi.)	BF437	1097
Not reported	195 7TH AVE	WSW 1/8 - 1/4 (0.209 mi.)	BJ452	1158
Not reported	220 W 22ND ST	WSW 1/8 - 1/4 (0.212 mi.)	BR460	1169
Not reported	325 7TH AVE	N 1/8 - 1/4 (0.217 mi.)	BN504	1267
Not reported	325 7 AVE	N 1/8 - 1/4 (0.217 mi.)	BN505	1267
Not reported	243 W 27TH ST	NNW 1/8 - 1/4 (0.229 mi.)	CF543	1352
Not reported	135 W 20TH ST	SSW 1/8 - 1/4 (0.231 mi.)	CO554	1374
Not reported	236 W 26TH ST	NW 1/8 - 1/4 (0.231 mi.)	CP556	1378
Not reported	255 W 23RD ST	W 1/8 - 1/4 (0.232 mi.)	BW561	1387
Not reported	269 W 25TH ST	WNW 1/8 - 1/4 (0.240 mi.)	CR596	1486
Not reported	178 7TH AVE	WSW 1/8 - 1/4 (0.243 mi.)	CX600	1491
Not reported	647 AVENUE OF THE AMER	SSW 1/8 - 1/4 (0.248 mi.)	CK618	1528

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and

operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 36 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	750 AVENUE OF THE AMER	E 0 - 1/8 (0.051 mi.)	D45	130
Not reported	101 W 24TH ST	SSE 0 - 1/8 (0.052 mi.)	E46	130
Not reported	763 AVENUE OF THE AMER	E 0 - 1/8 (0.060 mi.)	H58	152
Not reported	107 W 26TH ST	NE 0 - 1/8 (0.074 mi.)	H89	224
Not reported	103 W 26TH ST	ENE 0 - 1/8 (0.077 mi.)	H93	231
Not reported	125 W 27TH ST	NNE 0 - 1/8 (0.115 mi.)	U152	351
Not reported	99 W 27TH ST	NE 1/8 - 1/4 (0.125 mi.)	Y200	454
Not reported	43 W 24TH ST	SE 1/8 - 1/4 (0.153 mi.)	AN278	689
Not reported	60 W 23RD ST	SSE 1/8 - 1/4 (0.157 mi.)	AH283	706
Not reported	41 W 23RD ST	SE 1/8 - 1/4 (0.183 mi.)	AQ348	877
Not reported	135 W 29TH ST	NNE 1/8 - 1/4 (0.213 mi.)	BS469	1192
Not reported	143 W 29TH ST	NNE 1/8 - 1/4 (0.215 mi.)	CC480	1223
Not reported	26 W 28TH ST	ENE 1/8 - 1/4 (0.216 mi.)	BQ489	1234
Not reported	186 5TH AVE	SE 1/8 - 1/4 (0.231 mi.)	BX551	1370
Not reported	844 AVENUE OF THE AMER	NE 1/8 - 1/4 (0.238 mi.)	CN589	1468

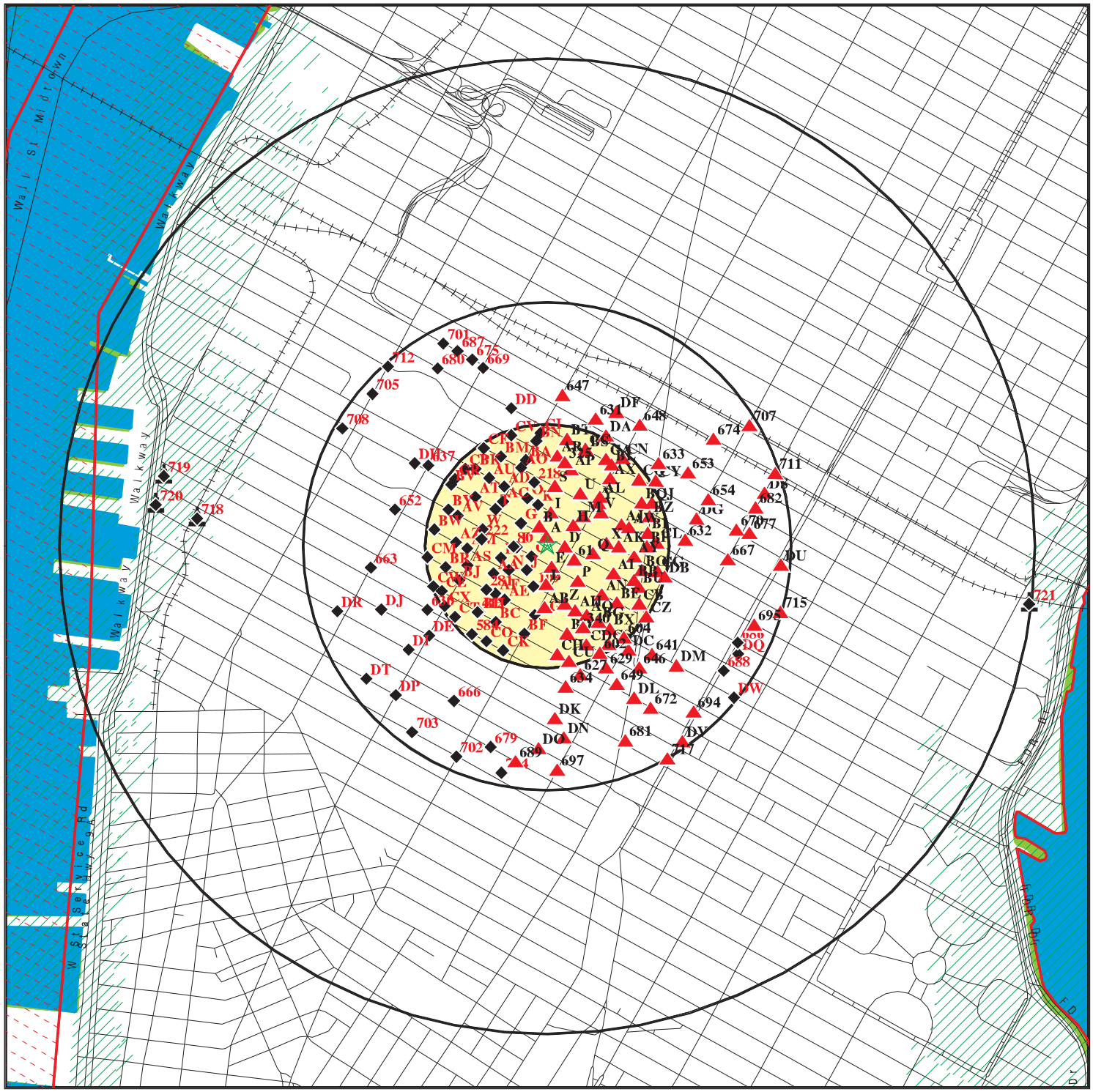
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	119 W 23RD ST	SSW 0 - 1/8 (0.064 mi.)	J64	180
Not reported	115 W 23RD ST	SSW 0 - 1/8 (0.086 mi.)	L104	251
Not reported	148 W 23RD ST	SW 0 - 1/8 (0.093 mi.)	N114	276
Not reported	169 W 26TH ST	NNW 0 - 1/8 (0.096 mi.)	O122	290
Not reported	171 W 26TH ST	NNW 0 - 1/8 (0.099 mi.)	O131	303
Not reported	169 W 23RD ST	WSW 0 - 1/8 (0.108 mi.)	R142	322
Not reported	275 7TH AVE	NW 1/8 - 1/4 (0.129 mi.)	AC211	475
Not reported	202 W 24TH ST	WNW 1/8 - 1/4 (0.137 mi.)	W226	512
Not reported	215 7TH AVE	WSW 1/8 - 1/4 (0.167 mi.)	AS305	767
Not reported	217 W 26TH ST	NW 1/8 - 1/4 (0.169 mi.)	AU313	776
Not reported	216 W 23RD ST	W 1/8 - 1/4 (0.176 mi.)	AZ323	798
Not reported	230 W 25TH ST	NW 1/8 - 1/4 (0.178 mi.)	AT330	815
Not reported	225 W 23RD ST	W 1/8 - 1/4 (0.187 mi.)	AZ371	939
Not reported	120 W 21ST ST	SSW 1/8 - 1/4 (0.187 mi.)	BC372	940
Not reported	155 W 21ST ST	SW 1/8 - 1/4 (0.191 mi.)	BH391	985
Not reported	196 7TH AVE	WSW 1/8 - 1/4 (0.193 mi.)	BJ403	1016
Not reported	212 W 22ND ST	WSW 1/8 - 1/4 (0.203 mi.)	BR430	1087
Not reported	241 W 26TH ST	NW 1/8 - 1/4 (0.206 mi.)	BK445	1109
Not reported	188 7TH AVE	WSW 1/8 - 1/4 (0.222 mi.)	CE523	1315
Not reported	242 W 27TH ST	NNW 1/8 - 1/4 (0.228 mi.)	CF541	1351
Not reported	178 7TH AVE	WSW 1/8 - 1/4 (0.243 mi.)	CX601	1492

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 25 records.

Site Name	Database(s)
CON EDISION - MH4706	RCRA NonGen / NLR, NY MANIFEST
CON EDISION - MH38210	RCRA NonGen / NLR, NY MANIFEST
FORMER LOCKPORT AIR FORCE THE	RCRA NonGen / NLR, NY MANIFEST
NYSDOT BIN 1005150	RCRA NonGen / NLR, NY MANIFEST
VERIZON NEW YORK INC. MANHOLE	NY MANIFEST
RIVERSIDE PARK	RCRA-SQG, NY MANIFEST, NJ MANIFEST
BELL ATLANTIC NY	NY MANIFEST
BELL ATLANTIC NY	NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
HUDSON RIVER PARK TRUST	RCRA NonGen / NLR, NY MANIFEST
SUNOHIO PCBX UNIT LONG ISLAND RAIL	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
LAW & ORDER PRODUCTIONS	RCRA-CESQG, NY MANIFEST, NJ MANIFEST
MEGA ART	RCRA NonGen / NLR, NY MANIFEST
VS3610	RCRA NonGen / NLR, NY MANIFEST
MH51640	RCRA NonGen / NLR, NY MANIFEST
NYC DOS WEST 30TH STREET RECYCLING	NY SWF/LF
NYSDOT BIN 107706C	RCRA-LQG
NYSDOT BIN 107706A	RCRA-LQG
NYSDOT BIN 107706B	RCRA-LQG
VERIZON NEW YORK INC	RCRA NonGen / NLR
BELL ATLANTIC-NY	RCRA NonGen / NLR
59TH GENERATION STATION	NY Spills
PINE PLAZA SHOPPING CENTER	NJ VCP

OVERVIEW MAP - 4124383.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 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: 112 West 25th Street	CLIENT: Partner Engineering and Science, Inc.
ADDRESS: 112 West 25th Street New York NY 10001	CONTACT: Diana Guzman
LAT/LONG: 40.7443 / 73.9928	INQUIRY #: 4124383.2s
	DATE: November 03, 2014 7:03 pm

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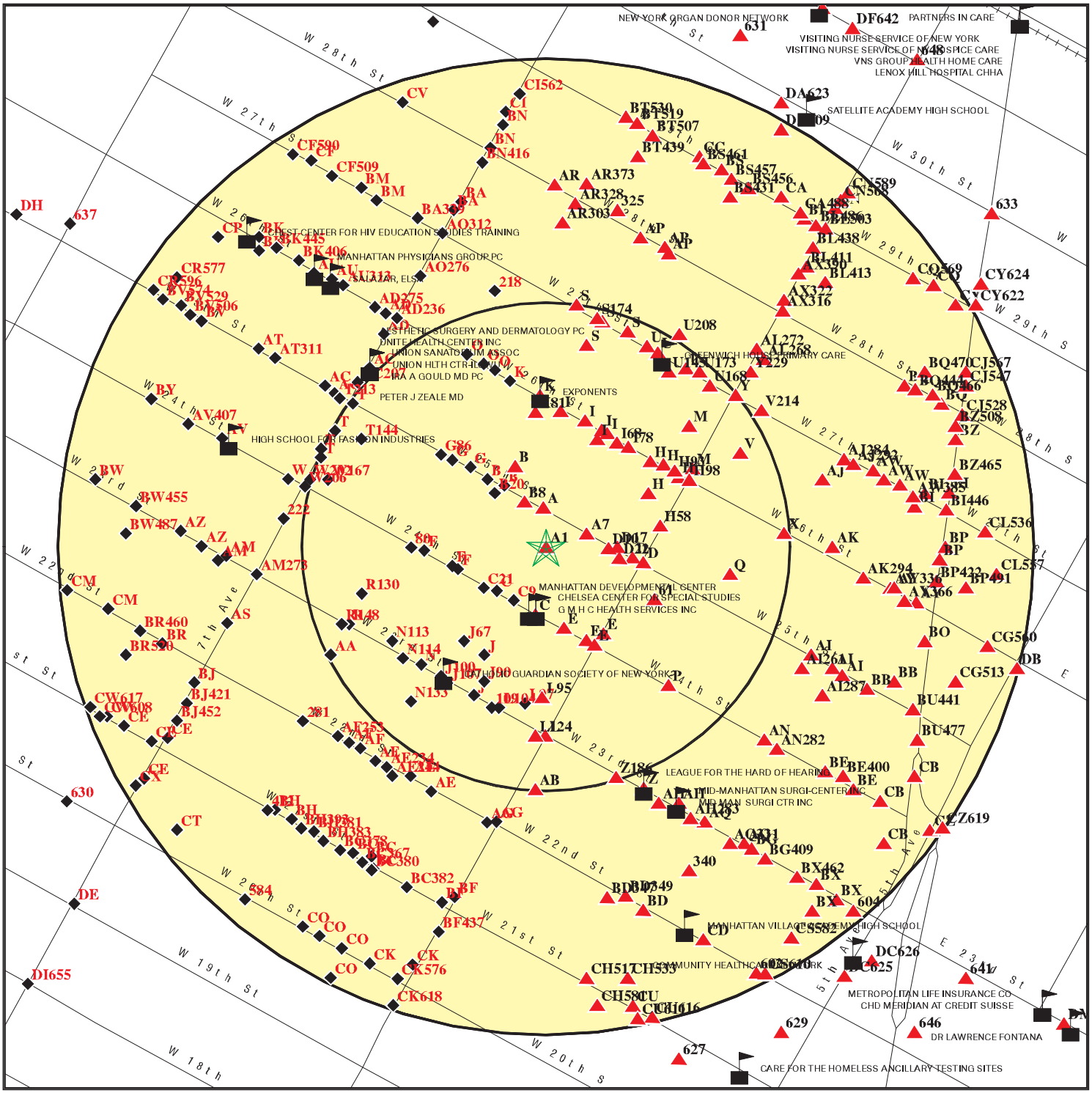
DETAIL MAP - 4124383.2S



- 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
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone

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: 112 West 25th Street	CLIENT: Partner Engineering and Science, Inc.
ADDRESS: 112 West 25th Street New York NY 10001	CONTACT: Diana Guzman
LAT/LONG: 40.7443 / 73.9928	INQUIRY #: 4124383.2s
	DATE: November 03, 2014 7:07 pm

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APPENDIX 6
April 2015 Phase II Subsurface Investigation report (Phase II) (Partner)

PARTNER

PHASE II SUBSURFACE INVESTIGATION REPORT

112 West 25th Street
New York, New York 10001

April 3, 2015
Partner Project Number: 14-129276.2

Prepared for:

LAM GEN 25 LLC
135 Grand Street, 3rd Floor
New York, New York 10013

Engineers who understand your business

April 3, 2015

Mr. Raymond Lam
LAM GEN 25 LLC
135 Grand Street, 3rd Floor
New York, New York 10013

Subject: Phase II Subsurface Investigation Report
112 West 25th Street
New York, New York 10001
Partner Project Number: 14-129276.2

Dear Mr. Lam:

The following report describes the field activities, methods, and findings of the Phase II Subsurface Investigation conducted by Partner Assessment Corp. (Partner) at the above-referenced property. The purpose of the investigation was to provisionally evaluate the presence of petroleum hydrocarbons in soil gas at the subject property related to the former underground storage tanks (USTs). LAM GEN 25 LLC provided project authorization of Partner Proposal Number P14-129276.2.

Site Description

The subject property consists of one parcel totaling approximately 0.38 acres located on the south side of West 25th Street and the north side of West 24th Street within a mixed commercial, industrial, and residential area of New York County. The subject property is currently a vacant lot after its former two-story 46,857 square foot commercial building with a basement was demolished. The most recent former operations included automotive repair, vehicle parking, and a small office space.

The immediately surrounding properties consist of commercial and multi-family residential to the north, across West 25th Street; a church, commercial property, and a hotel to the south across West 24th Street; and, mixed residential and commercial properties to the east and west, respectively. Refer to Figure 1 for a site plan showing site features and surrounding properties.

Site History

Partner reviewed a previous *Phase I report*, dated July 14, 2006, prepared by Merritt Engineering Consultants (MEC) and an *Environmental Subsurface Assessment Report*, dated August 16, 2006 prepared by Don Carlo Environmental Services, Inc (DCES). According to the Phase I report, USTs and hydraulic lifts were present on the subject property; however, no closure documentation was available to determine if regulatory closure was achieved. According to the review of historical documents, the subject property formerly utilized eight 550-gallon gasoline USTs. These USTs were identified on Sanborn Fire Insurance Maps as early as 1930 in the northeast corner of the subject property. The Environmental Database (EDR) Report from the Partner Phase I Report and the on-line NYSDEC Bulk Storage Database did not identify UST associated with the subject property and it is unknown if these UST were regulated and/or registered in accordance with the New York State Department of Environmental Conservation (NYSDEC) petroleum bulk storage (PBS) program.

During the site reconnaissance, Partner observed eight vent pipes which further indicated the presence of the USTs. A subsurface investigation conducted by DCES was performed on August 7, 2006 and included the advancement of five borings in the vicinity of the UST basin. The DCES report stated that the USTs were reportedly filled with sand at an unknown time. There was no mention regarding the confirmed closure of the USTs. Soil samples were collected and analyzed in accordance with United States Environmental Protection Agency (EPA) Method 8021 Spill Technology and Remediation Series (STARS) List volatile organic compounds (VOCs). Laboratory analysis of the soil samples did not identify soil impacts above laboratory reporting limits and the NYSDEC Technical and Administrative Guidance Memorandum (TAGM)-4046 Recommended Soil Cleanup Objectives (RSCOs). Although, the analytical results did not identify a release in 2006, it remains unknown if the USTs have been properly abandoned in place. At the time of the Partner Phase I investigation, the subject property was proposed to be excavated and redeveloped. As such, Partner recommended that the USTs will need to be removed and sampling may be required during the removal process in order to confirm no releases have occurred. As such, the USTs at the subject property were considered a recognized environmental condition (REC) to the subject property.

According to Mr. Hunsberger, site contact for the subject property, since Partner's site reconnaissance conducted on November 5, 2014, the site building has been demolished and the USTs have been removed. On February 24, 2015 Partner confirmed that the site building was demolished and was leveled to grade. No documentation for the removal of the USTs has been provided to Partner. However, Partner was provided photographs showing the locations of the former USTs during site demolition activities. Samples were not collected at the time of the building demolition and UST removal. However, Mr. Ken Hunsberger confirmed that the building demolition debris was used to backfill the basement area and UST excavations. As such, it is unlikely that soil sampling using a direct push drill rig would be possible to collect confirmatory soil samples from under the location of the former USTs.

Geology and Hydrogeology

Based on a review of the United States Geological Survey (USGS) 2014, Brooklyn, New York Quadrangle 7.5-minute series topographic map, the subject property is situated at an elevation approximately 35 feet above mean sea level and the local topography is sloping gently to the southwest. Refer to Figure 2 for a topographic map of the site vicinity. The subject property is depicted on the 1995 map as dense urban development.

According to the New York State Geological Survey website, the bedrock at the subject property is Precambrian in age, approximately one billion years old, and consists of gneiss and schists that are a part of the Manhattan Prong, a portion of the Appalachian Piedmont. The older of the Manhattan Prong sequence found in central Manhattan is the Manhattan Schist, which is overlain by the Hartland Formation, a granulite. Both units are of very high metamorphic grade having been metamorphosed at a great depth in the earth's crust and later thrust to the surface during the Appalachian mountain building episode, about 350 million years ago.

During the last glacial period, ending about 12,000 to 15,000 years ago and termed the Wisconsin, a mantling of glacial drift was deposited over the older bedrock. In places the glacial deposits are unsorted till characterized by boulder to pebble-sized rocks erratically intermixed with a clay matrix, but elsewhere the deposits are sorted and stratified sand and gravel, the result of glacial outwash.

Soils in the vicinity of the subject property are classified as Urban Land, which are those soils in which the soil's original structure and content have been so altered by human activities it has lost its original characteristics and is thus unidentifiable. Urban soils consist of nearly level to moderately steep areas where the soils have been altered or obscured by urban works and structures. Buildings and pavement cover more than 85 percent of the surface.

Based on borings advanced during this investigation, the underlying subsurface consists predominantly of building debris and fill material comprising brown fine to medium and silty sand with gravel and bricks from ground surface to approximately five feet below ground surface (bgs). Groundwater was not encountered during this investigation.

According to topographic map interpretation, the direction of groundwater in the vicinity of the subject property is inferred to flow toward the southwest. The nearest surface water in the vicinity of the subject property is the Hudson River located approximately 0.85 miles west of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

Based on the urban development of the area, groundwater depth and flow below New York City can vary from the surface topography and is often erratic. However, according to information obtained from the United States Geological Survey and topographic map interpretation, groundwater in the vicinity of the subject property is present at approximately 30 to 40 feet bgs and flow to the southwest. Groundwater was not encountered during this investigation.

Pre-Field Activities

Prior to the initiation of fieldwork, Partner completed the following activities.

Utility Clearance

Partner notified DigSafely New York to clear public utility lines as required by law at least 72 hours prior to drilling activities. DigSafely New York issued ticket number 150430894 for the project.

Field Activities

Refer to Table 1 for a summary of the borings, sampling schedule, and laboratory analyses for this investigation. The scope of the Phase II Subsurface Investigation included the installation of four soil gas points (SG-1 through SG-4) for the collection of soil gas samples.

Health and Safety Plan

Partner reviewed the site-specific Health and Safety Plan with on-site personnel involved in the project prior to the commencement of drilling activities.

Drilling Equipment

On March 16, 2015, Zebra, under the direction of Partner, advanced borings SG-1 through SG-4 with a direct-push, track-mounted Geoprobe Model 5400 drill rig. Drilling rods and sampling equipment were decontaminated between samples and borings to prevent cross-contamination.

Soil Gas Sample Locations

Soil gas boring SG-1 was installed at the northwestern portion of the former UST location. Soil gas boring SG-2 was installed at the northeastern portion of the former UST location. Soil gas boring SG-3 was installed at the central portion of the former UST location. Soil gas boring SG-4 was installed at the southern portion of the former UST location. Refer to Figure 3 for a map indicating sample locations.

Sampling Depths

Borings SG-1 through SG-4 were each advanced to a terminal depth of five feet bgs with soil gas samples SG-1 through SG-5 collected at an interval 4.5 – 5.0 feet bgs.

Soil Gas Probe Construction

A Geoprobe drill rig was employed to bore holes through the construction backfill to terminal depth of five feet bgs. Soil gas sample points were constructed by inserting ¼-inch diameter polyethylene tubing equipped with a 6-inch long stainless steel soil gas implant in each borehole. Once set, a sand filter pack consisting of clean dry sand was poured into the boring annulus to form a sand pack around the tubing. A minimum of 6-inches of dry, granular bentonite was placed atop the sand pack and hydrated to the ground surface to form a seal.

Soil Gas Sampling Methodology

Soil gas samples were collected using 2.7-liter, stainless-steel, cylindrical SUMMA™ canisters. The sampling containers were provided by Alpha Analytical Laboratories (Alpha), a state-certified laboratory [NYSDEC Environmental Laboratory Accreditation Program (ELAP) certificate number 11148] in the City of Westborough, Massachusetts. Alpha subjected each batch-certified canister to a rigorous cleaning process using a combination of dilution, heat, and high vacuum.

Partner received the SUMMA™ canisters evacuated to approximately 30 inches of mercury. The SUMMA™ canisters were fitted with stainless-steel flow controllers, which Alpha calibrated to maintain constant flow for approximately 28 minutes of sampling time.

The sampling end of the tubing was initially connected to a photoionization detector (PID) to perform an initial field screening of the soil gas conditions relating to VOCs and to purge the sample point. The soil gas sample points were purged for approximately ten minutes and PID readings ranging from 1.3 parts per million (ppm) to 2.8 ppm were recorded in all four sample points.

Prior to purging, ambient air quality was monitored at the subject property and no elevated background readings were recorded. The ambient PID readings in the vicinity of SG-1 through SG-4 were 0.0 ppm.

The sampling end of the tubing was fitted to the sampling canister and the valve was opened, causing air to enter the SUMMA™ canisters due to the pressure differential. Partner closed the valve after the canister was evacuated to approximately 1.43 inches of mercury and after the 28 minute duration with pertinent data (e.g., time, canister vacuum) recorded at the start and end of sampling.

The SUMMA™ canisters were labeled for identification and stored away from direct sunlight prior to laboratory submittal. Upon completion, the probes were removed from the subsurface and the boreholes were backfilled with hydrated bentonite chips and capped with concrete patch to match existing ground cover after sampling. No significant amounts of derived wastes were generated during this sampling.

Pertinent Regulatory Agency Guidance

The regulatory guidance used by Partner as part of the Subsurface Investigation is presented below.

Currently, neither the NYSDEC nor the New State Department of Health (NYSDOH) provides soil gas comparison criteria. Therefore, the soil gas data was compared to United States Environmental Protection Agency (EPA) screening levels. The EPA Office of Solid Waste and Emergency Response (OSWER) provisionally issued the external review draft document *"OSWER Final Guidelines for Evaluating the Vapor Intrusion to Indoor Air Pathway from Subsurface Sources to Indoor Air"*, dated April 11, 2013, to specifically address the "vapor intrusion pathway." The intent of this guidance document is to provide a tool to help the user conduct a screening evaluation as to whether or not the vapor intrusion exposure pathway is complete and, if so, whether it poses an unacceptable risk to human health.

The analytical results of the soil gas samples collected during this investigation were compared to the EPA OSWER 10^{-5} Target Sub-Slab and Exterior Soil Gas Concentrations for Carcinogens for Residential and Commercial Exposure Scenarios that are provided in the EPA Vapor Intrusion Screening Level (VISL) Calculator Version 2.0, updated May 2014. For the purposes of making human exposure determinations with respect to vapor intrusion, EPA generally recommends the use of 10^{-5} values. This level, in EPA's view, serves as a generally reasonable screening mechanism.

Laboratory Analysis Results

The four soil gas samples (SG-1 through SG-4) were transported under proper chain-of-custody protocol to Alpha. The soil gas samples were submitted for petroleum VOC analysis in accordance with EPA Method TO-15.

Refer to Table 2 for a summary of the soil gas sample laboratory analysis results.

Refer to Appendix A for the full laboratory analysis report, which includes chain-of-custody and laboratory quality assurance/quality control (QA/QC) documentation. Laboratory QA/QC data were within acceptable limits.

Soil Gas Sample Results

As shown in Table 2, various petroleum VOC constituents were detected in soil gas samples SG-1, SG-2, SG-3 and SG-4 above laboratory reporting limits (RLs). Benzene was detected in soil gas samples SG-1 and SG-4 at concentrations that exceed the calculated residential and commercial VISL for benzene.

Discussion

Based on the analytical results of the soil gas samples, there is evidence of impacts in soil gas at the subject property that presents potential vapor intrusion concern. It is unknown if the USTs were regulated and/or registered with the NYSDEC PBS program or if they were properly closed in accordance with NYSDEC UST closure requirements.

Summary and Conclusions

Partner conducted a Subsurface Investigation at the subject property to evaluate the presence of petroleum hydrocarbons in soil gas at the subject property related to the former USTs.

The scope of the Subsurface Investigation included the installation of four soil gas sample points for the collection of representative soil gas samples in the vicinity of the former USTs on the subject property. Four soil gas samples (SG-1 through SG-4) were collected and submitted for petroleum VOCs analysis. Based on observations made during boring activities, the underlying subsurface consisted of building debris and fill material consisting of brown fine to medium and silty sand with gravel and bricks from ground surface to approximately five feet bgs. Groundwater was not encountered during this investigation.

The laboratory analytical results of the soil gas samples indicated petroleum VOC impacts, specifically benzene, to the subsurface soil gas in the vicinity of the former USTs on the subject property. Based on the analytical laboratory results, a vapor intrusion concern potentially exists on the subject property. Partner recommends further investigation and/or potential vapor mitigation design. Additionally, Partner recommends that the property owner communicate with the NYSDEC concerning spill notification.

Limitations

This Report presents a summary of work conducted by Partner. This investigation was not intended to be a comprehensive investigation/characterization of the subject property and was focused on evaluating quality of soil gas below the existing building and associated paved areas in the subject property. The work includes observations of site conditions encountered and the analytical results provided by an independent third party laboratory of samples collected during the course of the project. The number and location of samples were selected to provide the required information. However, it cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

Conclusions and/or recommendations are based on the observations, laboratory analyses, and the governing regulations. Conclusions and/or recommendations beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were accomplished in accordance with generally accepted practices in the environmental engineering, geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

Reports, both verbal and written, as they pertain to the property located at 112 West 25th Street in New York, New York, are for the sole use and benefit of LAM GEN 25 LLC. This report has no other purpose and may not be relied upon by another person or entity without the written consent of Partner.

Signatures of Participating Professionals

Thank you for the opportunity to be of service. If you have questions regarding this investigation, please contact Sarah Fonseca at (646) 863-8537 or via electronic mail at sfonseca@partneresi.com.

Sincerely,

Jonathan Lokko
Staff Professional II

Jodi Markowsky
Project Manager

Andres Simonson
Regional Manager – Subsurface Investigations

Attachments:

Tables	1. Summary of Investigation Scope 2. Soil Gas Sample Analytical Results Summary
Figures	1. Site Plan 2. Topographic Map 3. Sample Location Map
Appendices	A. Laboratory Analytical Report

TABLES

PARTNER

Table 1
Summary of Investigative Scope
112 West 25th Street
New York, New York 10001
Partner Project Number : 14-129276.2

Borehole Identification	Location	Terminal Depth (feet bgs)	Matrix Sampled	Sampling Depths (feet bgs)	Target Contaminants
SG-1	Northwestern portion of former UST area	5.0	Soil Gas	4.5 - 5.0	TO-15 VOCs
SG-2	Northeastern portion of former UST area	5.0	Soil Gas	4.5 - 5.0	TO-15 VOCs
SG-3	Central portion of former UST area	5.0	Soil Gas	4.5 - 5.0	TO-15 VOCs
SG-4	Southern portion of former UST area	5.0	Soil Gas	4.5 - 5.0	TO-15 VOCs

Notes:
UST = Underground Storage Tank
VOCs = Petroleum volatile organic compounds in accordance with EPA Method TO-15
bgs = below ground surface

Table 2
Soil Gas Sample Analytical Results Summary
112 West 25th Street
New York, New York 10001
Partner Project Nummber -14-129276.2

LOCATION SAMPLING DATE LAB SAMPLE ID SAMPLE TYPE				SG-1 3/16/2015 L1504964-01 Soil Gas		SG-2 3/16/2015 L1504964-02 Soil Gas		SG-3 3/16/2015 L1504964-03 Soil Gas		SG-4 3/16/2015 L1504964-04 Soil Gas	
	EPA VISL-Res	**EPA VISL-Comm**	**Units**	**Result**	**RL**	**Result**	**RL**	**Result**	**RL**	**Result**	**RL**
Volatile Organics											
Benzene	36	160	µg/m3	172	41.9	11.6	2.13	11.0	8.47	345	33.9
2,2,4-Trimethylpentane	NE	NE	µg/m3	24,800	61.2	180	3.12	6,120	12.4	18,800	49.5
Toluene	52,000	220,000	µg/m3	577	49.4	163	2.51	128	9.99	299	39.9
Ethylbenzene	110	490	µg/m3	74.3	56.9	21.9	2.90	22.2	11.5	ND	46.0
p/m-Xylene	1,000	4,400	µg/m3	216	114	86.0	5.78	93.0	23.0	ND	92.1
o-Xylene	1,000	4,400	µg/m3	255	56.9	82.5	2.90	56.5	11.5	ND	46.0
Xylenes, Total	1,000	4,400	µg/m3	469	56.9	169	2.90	149	11.5	127	46.0
1,3,5-Trimethylbenzene	NE	NE	µg/m3	ND	64.4	7.42	3.28	ND	13.0	ND	52.1
1,2,4-Trimethylbenzene	73	310	µg/m3	ND	64.4	14.0	3.28	ND	13.0	ND	52.1

Key

EPA VISL-Res = United States Environmental Protection Agency Vapor Intrusion Screening Level (10-5 risk default, Residential)
EPA VISL-Comm = United States Environmental Protection Agency Vapor Intrusion Screening Level (10-5 risk default, commercial)
RL = Reporting limit
ND = Not detected above reporting limit
µg/m3 = microgram per cubic meter
NE = not established

FIGURES

PARTNER

PARTNER

Project Number: 14-129276.2

Legend

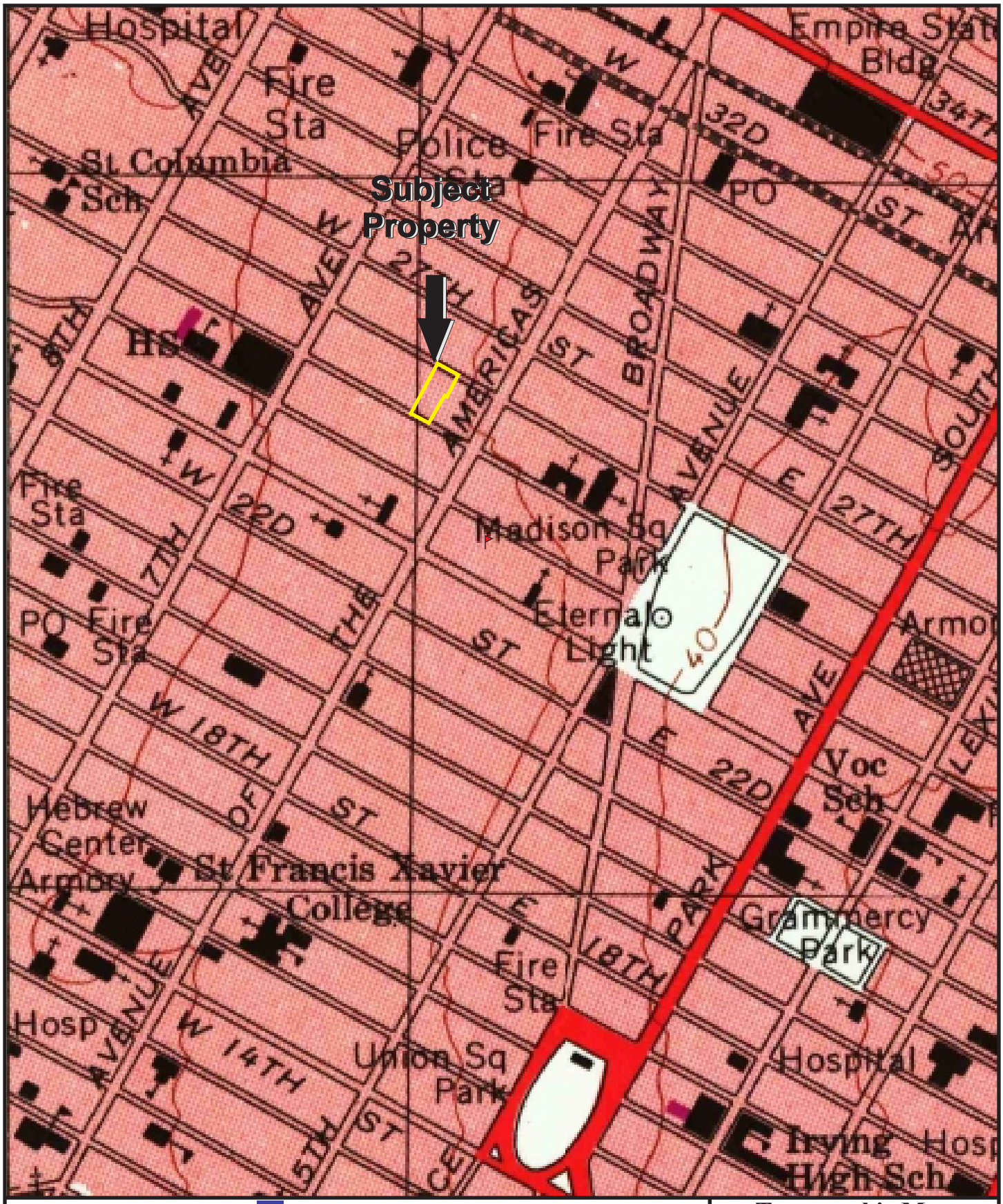
N

Subject Site

Site Plan

Figure	Prepared By	Date
1	M. Gebert	March 2015

112 West 25th Street
New York, New York 10001



PARTNER
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

Project Number: 14-129276.2

N

USGS Brooklyn, NY Quadrangle
Version: 2013

Topographic Map

Figure	Prepared By	Date
2	R. Reynics	March 2015

112 West 25th Street
New York, New York 10011

PARTNER

2154 Torrance Boulevard, Suite 200
Torrance, California 90501

Project Number: 14-129276.2

Legend

N

Subject Site

Boring Location

Former UST Location

Sampling Location Map

Figure	Prepared By	Date
3	J. Lokko	March 2015

112 West 25th Street
New York, New York 10001

APPENDIX A: LABORATORY ANALYTICAL REPORT

PARTNER

ANALYTICAL REPORT

Lab Number:	L1504964
Client:	Partner Engineering and Science, Inc. 1031 Farmington Avenue Farmington, CT 06032
ATTN:	Jodi Markowsky
Phone:	(203) 604-6565
Project Name:	14-129276.2
Project Number:	14-129276.2
Report Date:	03/23/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 14-129276.2
Project Number: 14-129276.2

Lab Number: L1504964
Report Date: 03/23/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1504964-01	SG-1	SOIL_VAPOR	112 WEST 25TH ST. NY, NY	03/16/15 11:17	03/16/15
L1504964-02	SG-2	SOIL_VAPOR	112 WEST 25TH ST. NY, NY	03/16/15 11:28	03/16/15
L1504964-03	SG-3	SOIL_VAPOR	112 WEST 25TH ST. NY, NY	03/16/15 11:39	03/16/15
L1504964-04	SG-4	SOIL_VAPOR	112 WEST 25TH ST. NY, NY	03/16/15 11:54	03/16/15

Project Name: 14-129276.2 **Lab Number:** L1504964
Project Number: 14-129276.2 **Report Date:** 03/23/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	14-129276.2	**Lab Number:**	L1504964
Project Number:	14-129276.2	**Report Date:**	03/23/15

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 11, 2015. The canister certification results are provided as an addendum.

Samples L1504964-01, -03 and -04 have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Sample L1504964-02 has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Sample Receipt

The canister ID numbers for the samples designated SG-3 (L1504964-03) and SG-4 (L1504964-04) were transposed on the Chain of Custody form based on the sample IDs on the canister tags.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 03/23/15

AIR

Project Name: 14-129276.2
Project Number: 14-129276.2

Lab Number: L1504964
Report Date: 03/23/15

SAMPLE RESULTS

Lab ID: L1504964-01 D
Client ID: SG-1
Sample Location: 112 WEST 25TH ST. NY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/20/15 02:57
Analyst: MB

Date Collected: 03/16/15 11:17
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methyl tert butyl ether	ND	13.1	--	ND	47.2	--		65.49
Benzene	53.8	13.1	--	172	41.9	--		65.49
2,2,4-Trimethylpentane	5300	13.1	--	24800	61.2	--		65.49
Toluene	153	13.1	--	577	49.4	--		65.49
Ethylbenzene	17.1	13.1	--	74.3	56.9	--		65.49
p/m-Xylene	49.7	26.2	--	216	114	--		65.49
o-Xylene	58.8	13.1	--	255	56.9	--		65.49
Isopropylbenzene	ND	13.1	--	ND	64.4	--		65.49
n-Propylbenzene	ND	13.1	--	ND	64.4	--		65.49
1,3,5-Trimethylbenzene	ND	13.1	--	ND	64.4	--		65.49
tert-Butylbenzene	ND	13.1	--	ND	71.9	--		65.49
1,2,4-Trimethylbenzene	ND	13.1	--	ND	64.4	--		65.49
sec-Butylbenzene	ND	13.1	--	ND	71.9	--		65.49
p-Isopropyltoluene	ND	13.1	--	ND	71.9	--		65.49
n-Butylbenzene	ND	13.1	--	ND	71.9	--		65.49
Naphthalene	ND	13.1	--	ND	68.7	--		65.49
Xylenes, Total	108	13.1	--	469	56.9	--		65.49

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	74		60-140
chlorobenzene-d5	103		60-140

Project Name: 14-129276.2
Project Number: 14-129276.2

Lab Number: L1504964
Report Date: 03/23/15

SAMPLE RESULTS

Lab ID: L1504964-02 D
Client ID: SG-2
Sample Location: 112 WEST 25TH ST. NY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/20/15 03:38
Analyst: MB

Date Collected: 03/16/15 11:28
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
Benzene	3.63	0.667	--	11.6	2.13	--		3.333
2,2,4-Trimethylpentane	38.5	0.667	--	180	3.12	--		3.333
Toluene	43.2	0.667	--	163	2.51	--		3.333
Ethylbenzene	5.05	0.667	--	21.9	2.90	--		3.333
p/m-Xylene	19.8	1.33	--	86.0	5.78	--		3.333
o-Xylene	19.0	0.667	--	82.5	2.90	--		3.333
Isopropylbenzene	ND	0.667	--	ND	3.28	--		3.333
n-Propylbenzene	ND	0.667	--	ND	3.28	--		3.333
1,3,5-Trimethylbenzene	1.51	0.667	--	7.42	3.28	--		3.333
tert-Butylbenzene	ND	0.667	--	ND	3.66	--		3.333
1,2,4-Trimethylbenzene	2.85	0.667	--	14.0	3.28	--		3.333
sec-Butylbenzene	ND	0.667	--	ND	3.66	--		3.333
p-Isopropyltoluene	ND	0.667	--	ND	3.66	--		3.333
n-Butylbenzene	ND	0.667	--	ND	3.66	--		3.333
Naphthalene	ND	0.667	--	ND	3.50	--		3.333
Xylenes, Total	38.8	0.667	--	169	2.90	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	76		60-140
chlorobenzene-d5	96		60-140

Project Name: 14-129276.2 **Lab Number:** L1504964
Project Number: 14-129276.2 **Report Date:** 03/23/15

SAMPLE RESULTS

Lab ID:	L1504964-03 D	Date Collected:	03/16/15 11:39
Client ID:	SG-3	Date Received:	03/16/15
Sample Location:	112 WEST 25TH ST. NY, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	03/20/15 04:21		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methyl tert butyl ether	ND	2.65	--	ND	9.55	--		13.25
Benzene	3.43	2.65	--	11.0	8.47	--		13.25
2,2,4-Trimethylpentane	1310	2.65	--	6120	12.4	--		13.25
Toluene	34.0	2.65	--	128	9.99	--		13.25
Ethylbenzene	5.12	2.65	--	22.2	11.5	--		13.25
p/m-Xylene	21.4	5.30	--	93.0	23.0	--		13.25
o-Xylene	13.0	2.65	--	56.5	11.5	--		13.25
Isopropylbenzene	ND	2.65	--	ND	13.0	--		13.25
n-Propylbenzene	ND	2.65	--	ND	13.0	--		13.25
1,3,5-Trimethylbenzene	ND	2.65	--	ND	13.0	--		13.25
tert-Butylbenzene	ND	2.65	--	ND	14.5	--		13.25
1,2,4-Trimethylbenzene	ND	2.65	--	ND	13.0	--		13.25
sec-Butylbenzene	ND	2.65	--	ND	14.5	--		13.25
p-Isopropyltoluene	ND	2.65	--	ND	14.5	--		13.25
n-Butylbenzene	ND	2.65	--	ND	14.5	--		13.25
Naphthalene	ND	2.65	--	ND	13.9	--		13.25
Xylenes, Total	34.3	2.65	--	149	11.5	--		13.25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	78		60-140
chlorobenzene-d5	95		60-140

Project Name: 14-129276.2
Project Number: 14-129276.2

Lab Number: L1504964
Report Date: 03/23/15

SAMPLE RESULTS

Lab ID: L1504964-04 D
Client ID: SG-4
Sample Location: 112 WEST 25TH ST. NY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/20/15 05:05
Analyst: MB

Date Collected: 03/16/15 11:54
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methyl tert butyl ether	ND	10.6	--	ND	38.2	--		53.09
Benzene	108	10.6	--	345	33.9	--		53.09
2,2,4-Trimethylpentane	4030	10.6	--	18800	49.5	--		53.09
Toluene	79.3	10.6	--	299	39.9	--		53.09
Ethylbenzene	ND	10.6	--	ND	46.0	--		53.09
p/m-Xylene	ND	21.2	--	ND	92.1	--		53.09
o-Xylene	ND	10.6	--	ND	46.0	--		53.09
Isopropylbenzene	ND	10.6	--	ND	52.1	--		53.09
n-Propylbenzene	ND	10.6	--	ND	52.1	--		53.09
1,3,5-Trimethylbenzene	ND	10.6	--	ND	52.1	--		53.09
tert-Butylbenzene	ND	10.6	--	ND	58.2	--		53.09
1,2,4-Trimethylbenzene	ND	10.6	--	ND	52.1	--		53.09
sec-Butylbenzene	ND	10.6	--	ND	58.2	--		53.09
p-Isopropyltoluene	ND	10.6	--	ND	58.2	--		53.09
n-Butylbenzene	ND	10.6	--	ND	58.2	--		53.09
Naphthalene	ND	10.6	--	ND	55.6	--		53.09
Xylenes, Total	29.3	10.6	--	127	46.0	--		53.09

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	79		60-140
chlorobenzene-d5	96		60-140

Project Name: 14-129276.2 **Lab Number:** L1504964

Project Number: 14-129276.2 **Report Date:** 03/23/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 03/19/15 13:36

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG769480-4								
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 14-129276.2
Project Number: 14-129276.2

Lab Number: L1504964
Report Date: 03/23/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG769480-3								
Methyl tert butyl ether	80		-		70-130	-		
Benzene	90		-		70-130	-		
2,2,4-Trimethylpentane	75		-		70-130	-		
Toluene	93		-		70-130	-		
Ethylbenzene	100		-		70-130	-		
p/m-Xylene	104		-		70-130	-		
o-Xylene	109		-		70-130	-		
Isopropylbenzene	108		-		70-130	-		
n-Propylbenzene	108		-		70-130	-		
1,3,5-Trimethylbenzene	117		-		70-130	-		
tert-Butylbenzene	112		-		70-130	-		
1,2,4-Trimethylbenzene	121		-		70-130	-		
sec-Butylbenzene	113		-		70-130	-		
p-Isopropyltoluene	103		-		70-130	-		
n-Butylbenzene	113		-		70-130	-		
Naphthalene	127		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 14-129276.2
Project Number: 14-129276.2

Lab Number: L1504964
Report Date: 03/23/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG769480-5 QC Sample: L1503807-37 Client ID: DUP Sample						
Methyl tert butyl ether	ND	ND	ppbV	NC		25
Benzene	1.12	1.04	ppbV	7		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Toluene	2.66	2.31	ppbV	14		25
Ethylbenzene	ND	ND	ppbV	NC		25
p/m-Xylene	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
Isopropylbenzene	ND	ND	ppbV	NC		25
n-Propylbenzene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
tert-Butylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	0.381	0.318	ppbV	18		25
sec-Butylbenzene	ND	ND	ppbV	NC		25
p-Isopropyltoluene	ND	ND	ppbV	NC		25
n-Butylbenzene	ND	ND	ppbV	NC		25
Naphthalene	ND	ND	ppbV	NC		25

Project Name: 14-129276.2

Project Number: 14-129276.2

Lab Number: L1504964

Report Date: 03/23/15

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1504964-01	SG-1	0359	#90 SV	03/11/15	200810		-	-	-	Pass	100	100	0
L1504964-01	SG-1	474	2.7L Can	03/11/15	200810	L1504116-01	-	-30.0	1.5	-	-	-	-
L1504964-02	SG-2	0156	#90 SV	03/11/15	200810		-	-	-	Pass	99	106	7
L1504964-02	SG-2	481	2.7L Can	03/11/15	200810	L1504116-01	-	-30.0	1.0	-	-	-	-
L1504964-03	SG-3	0126	#90 AMB	03/11/15	200810		-	-	-	Pass	97	103	6
L1504964-03	SG-3	105	2.7L Can	03/11/15	200810	L1504116-01	-	-30.0	1.5	-	-	-	-
L1504964-04	SG-4	0119	#20 SV	03/11/15	200810		-	-	-	Pass	100	106	6
L1504964-04	SG-4	206	2.7L Can	03/11/15	200810	L1504116-01	-	-30.0	1.4	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1504116
Report Date: 03/23/15

Air Canister Certification Results

Lab ID:	L1504116-01	Date Collected:	03/04/15 18:00
Client ID:	CAN 1746 SHELF 2	Date Received:	03/05/15
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	03/06/15 14:51		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1504116
Report Date: 03/23/15

Air Canister Certification Results

Lab ID: L1504116-01
Client ID: CAN 1746 SHELF 2
Sample Location:

Date Collected: 03/04/15 18:00
Date Received: 03/05/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1504116
Report Date: 03/23/15

Air Canister Certification Results

Lab ID: L1504116-01
Client ID: CAN 1746 SHELF 2
Sample Location:

Date Collected: 03/04/15 18:00
Date Received: 03/05/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1504116
Report Date: 03/23/15

Air Canister Certification Results

Lab ID: L1504116-01
Client ID: CAN 1746 SHELF 2
Sample Location:

Date Collected: 03/04/15 18:00
Date Received: 03/05/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1504116

Project Number: CANISTER QC BAT **Report Date:** 03/23/15

Air Canister Certification Results

Lab ID: L1504116-01 Date Collected: 03/04/15 18:00

Client ID: CAN 1746 SHELF 2 Date Received: 03/05/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	90		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1504116
Report Date: 03/23/15

Air Canister Certification Results

Lab ID:	L1504116-01	Date Collected:	03/04/15 18:00
Client ID:	CAN 1746 SHELF 2	Date Received:	03/05/15
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	03/06/15 14:51		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1504116

Project Number: CANISTER QC BAT **Report Date:** 03/23/15

Air Canister Certification Results

Lab ID: L1504116-01 Date Collected: 03/04/15 18:00

Client ID: CAN 1746 SHELF 2 Date Received: 03/05/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1504116

Project Number: CANISTER QC BAT **Report Date:** 03/23/15

Air Canister Certification Results

Lab ID: L1504116-01 Date Collected: 03/04/15 18:00

Client ID: CAN 1746 SHELF 2 Date Received: 03/05/15

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	90		60-140

Project Name: 14-129276.2
Project Number: 14-129276.2

Lab Number: L1504964
Report Date: 03/23/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1504964-01A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1504964-02A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1504964-03A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)
L1504964-04A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	14-129276.2	**Lab Number:**	L1504964
Project Number:	14-129276.2	**Report Date:**	03/23/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: Data Usability Report

Project Name:	14-129276.2	**Lab Number:**	L1504964
Project Number:	14-129276.2	**Report Date:**	03/23/15

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/17/15

ALPHA Job #: L1504961

Client Information

Client: Partner Engineering & Science
Address: 611 Industrial Way W
Eatontown NJ 07724
Phone: 732-380-1700
Fax: 732-380-1701
Email: jmarkowsky@partneresi.com
jlohko@partneresi.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 14-129276.2
Project Location: 112 West 28th St, NY/NY 10001
Project #: 14-129276.2
Project Manager: Jodi Markowsky
ALPHA Quote #:

Turn-Around Time

☒ Standard (5 Days) ☐ RUSH (only confirmed if pre-approved!)
Date Due: 3/23/15 Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: (Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
NYSDEC		

Other Project Specific Requirements/Comments:
Analysis - To-15 - VOCs (Only Petroleum Compounds)

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15 (Only Petroleum Compounds)	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
04964.01	SG-1	3/16/15	10:50	11:17	-30.24	0.18	SV	JL	2.7	474	0359		X						
02	SG-2	3/16/15	11:00	11:28	-29.62	-1.43	SV	JL	2.7	481	0156		X						
03	SG-3	3/16/15	11:10	11:39	-29.26	0.15	SV	JL	2.7	208	0126		X						
04	SG-4	3/16/15	11:25	11:54	-29.57	0.0	SV	JL	2.7	105	0119		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type			CS				

Relinquished By:	Date/Time	Received By:	Date/Time:
[illegible] 14:37	3/16/15	[illegible] AAL-3/16/15	14:37
[illegible] AAL-3/16/15	1845	[illegible]	3-16-15 1845
[illegible]	3-17-15 0010	[illegible]	3/17/15 0010

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 (19-Jun-09)

APPENDIX 7
RIR for 112 West 25th Street New York, New York 10001 (AEI)

AEI Consultants
Environmental & Engineering Services

June 17, 2015 (Revised August 6, 2015)

REMEDIAL INVESTIGATION REPORT

Property Identification:
112 West 25th Street
New York, New York 10001

AEI Project No. 343443

Spill # 1501663

Prepared for:
Raymond Lam
LAM GEN 25 LLC
135 Grand Street 3rd Floor
New York, New York, 10013

Prepared by:
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APPENDICES

Appendix A Site Survey and Redevelopment Plans, 2006 Phase I ESA Report, and 2015 Phase II Subsurface Investigation Report
Appendix B Health and Safety Plan
Appendix C Boring Logs
Appendix D Sample Analytical Documentation

Qualified Environmental Professional:

I, David Bausmith, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for 111 24th Street, New York, NY. 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.

David Bausmith, PE Date

1.0 Introduction

AEI Consultants (AEI) has prepared this Remedial Investigation report to summarize the results of soil and groundwater investigation conducted on behalf of LAM GEN, LLC (LAM GEN) at 112 West 25th Street in New York, New York (subject property). These activities were conducted to evaluate the presence of elevated Volatile Organic Compounds (VOCs) in soil gas at the subject property, as reported in a Phase II Subsurface Investigation (Phase II) completed by Partner Engineering and Science (Partner).

Nine (9) Soil borings were advanced and two (2) temporary well points (TWP) were installed as part of the investigation at subject property (Figure 1). The locations of the borings and temporary well points are shown in Figure 2.

During AEI's Remedial Investigation field work spill case number 1501663 was established with the New York State Department of Environmental Conservation. The spill case was established due to high PID readings, visual soil staining in the soil borings, and strong petroleum odors in the soil borings.

1.1 Site Description

The subject property consists of the north half of one parcel totaling approximately 0.38 acres located on the south side of West 25th Street and the north side of West 24th Street within a mixed commercial, industrial, and residential area of New York County (Figure 1). The subject property is currently a vacant lot. The subject property and adjoining lot (113 West 24th Street) were formerly the site of a two-story, 46,857 square foot commercial parking garage with a basement prior to being demolished. According to a Phase I ESA, prepared by Merrit Engineering Consultants (Merrit) in July 2006 (Appendix A), the subject and adjoining parcel were formerly operated as an automotive repair and vehicle parking facility.

1.2 Proposed Redevelopment Plan

The subject property currently is vacant. LAM GEN proposes to redevelop the subject parcel as a multi-story commercial hotel. Figures depicting a recent land survey of the subject parcel (Block 800, Lot 49), as well as the proposed redevelopment site plan are included in the attached Figures.

1.3 Description of Surrounding Property

The surrounding properties consist of commercial and multi-family residential to the north (across West 25th Street); a vacant lot (113 West 24th Street) and church, commercial property, and a hotel to the south across West 24th Street; and, mixed residential and commercial properties to the east and west, respectively.

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2.0 Site History

Historically, the subject property was combined with the adjoining parcel (currently Block 800 Lot 50, or 113 West 24th Street) as a single property defined as 112-118 West 25th Street, Block 800, Lot 49. According to the 2006 Phase I ESA and 2014 Phase II report, these parcels were historically operated as a commercial automotive repair and parking facility. On or about July 2014, this parcel was subdivided into two, approximately equal-sized lots, one of which is the subject parcel.

Based on the April 3, 2015 Phase II report, prepared by Partner (Appendix A), and a 2006 Phase I ESA report prepared by Merrit the environmental history of the subject property is as follows:

- According to the 2006 Phase I report, eight (8) abandoned 550-gallon gasoline Underground Storage Tanks (USTs) and an abandoned hydraulic lift were reportedly present beneath the basement of the former parking structure. The suspected former USTs were located on the subject parcel near West 25th Street. There were no records in the NYSDEC bulk storage program confirming the presence of regulated and/or registered USTs at the subject property, and no closure documentation was available to determine if regulatory closure was achieved.
- The 2015 Phase II report references a subsurface investigation conducted in August 2006 by Don Carlo Environmental Services (DCES), which included five soil borings in the vicinity of the suspected former USTs. Although the details of the DCES were not included with the Phase II report, no soil impacts in the vicinity of the suspected former USTs were noted.
- In 2015, Partner confirmed that the former parking structure was demolished and was leveled to grade. The 2015 Phase II report indicates that the building demolition debris was used to backfill the former basement area and UST excavations.
- Partner subsequently collected four soil gas samples in the vicinity of the suspected former UST locations (on the adjoining parcel), which indicated elevated levels of petroleum VOCs, specifically benzene.

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3.0 Project Management

3.1 Project Organization

AEI has established a project team for this project whose collective qualifications and experience are strongly suited for successful completion of the project. The proposed responsibilities of the key staff are summarized below:

Joseph Bernarducci, will be the Project Manager for the work. In this capacity Mr. Bernarducci will be responsible for the successful completion of each task including coordination and supervision of subcontractors, engineers and scientists, and adherence to the work plan, schedule and budget.

David Bausmith, PE, will be the Quality Leader, responsible for the development of the work plan, and maintaining quality assurance policies that pertain to all aspects of sample acquisition and data management.

3.2 Health and Safety

A site-specific health and safety plan was prepared, reviewed by onsite personnel, and kept onsite for the duration of the fieldwork. The Health and Safety Plan is attached as Appendix B.

3.3 Materials Management

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

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4.0 Remedial Investigation Activities

4.1 Drilling and Soil Sample Collection

Drilling was conducted on May 13, 2015 and May 14, 2015. A total of nine (9) borings, AEI-SB1 through AEI-SB9, were advanced in a grid pattern on the subject property. A total of fifteen (15) samples were collected from the nine (9) borings. The borings were advanced by Foresight Enviroprobe of Freehold, New Jersey using a track mounted geoprobe drill rig. The borings were advanced to a maximum of twenty-five (25) feet below ground surface (ft-bgs). The location of each boring is listed below, and depicted graphically on Figure 2:

- AEI-SB1: Northeast corner of subject property(on West 25th street side)
- AEI-SB2: North end of subject property
- AEI-SB3: Northern corner of subject property
- AEI-SB4: Northwest end of subject property
- AEI-SB5: East end of subject property
- AEI-SB6: Northern center of subject property
- AEI-SB7: Near the center of the subject property, close to the western boundary
- AEI-SB8: Near the center of the subject property
- AEI-SB9: Near the center of the subject property, close to the eastern boundary

The borings were advanced using two (2) inch outer diameter rods and samples were collected by advancing the rods with acetate sample liners in approximately five foot intervals. After each interval, the core was retrieved, core barrel disassembled, and the sample liner was removed and transferred to the onsite geologist.

The cores were measured and soils logged using the Unified Soil Classification System. A photo ionization detector (PID) was used to screen soils in the field and the PID readings are included on each boring log (Appendix C). PID readings were taken every six (6) inches, and ranged from 0 to 1,088 ppm.

4.2 Groundwater Sample Collection

On May 13, 2015 and May 14, 2015, two (2) groundwater samples were collected from AEI-SB3 and AEI-SB6 to analyze the groundwater on the subject property. A temporary PVC well point was set in the soil boring. AEI then purged the well point using a peristaltic pump until the water was relatively clear and sediment free. Groundwater samples were collected with a new disposable bailer and labeled.

4.4 Laboratory Analyses

The soil and groundwater samples were labeled and placed in a cooler with ice following sampling. The samples were transferred under appropriate chain-of-custody documentation to Alpha Laboratories of Westborough MA, a New York accredited laboratory. Laboratory

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analytical documentation is provided in Appendix D. Laboratory analysis of the samples consisted of the following:

Soil Samples AEI-SB-1 to AEI-SB-9:

- Volatile Organic Compounds (VOCs) via EPA Method 8260.
- Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270.

Soil Samples AEI-SB-1 and AEI SB-3:

- Additionally analyzed for Lead via EPA method 6010C

Groundwater Samples AEI TWP-3, AEI TWP-6:

- Volatile Organic Compounds (VOCs) via EPA Method 8260.
- Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270.
- Lead via EPA method 6010C

4.5 Investigation Derived Waste/Boring Deconstruction

Investigation derived waste was returned into the ground at the subject property. Soil boring cuttings were returned to their respective boreholes.

Following completion of sample collection, the soil borings were backfilled with the drilling cuttings and hydrated bentonite chips. The borings were completed at the surface with soil.

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5.0 Environmental Evaluation

5.1 Geological and Hydrogeological Conditions

According to information obtained from the US Geological Survey (USGS), the area surrounding the subject property is underlain by metamorphic deposits of the Paleozoic-era. Based on a review of the United States Department of Agriculture (USDA) Soil Survey for the area of the subject property, the soils in the vicinity of the subject property are classified as Urban land. Soils from this series are characterized as soil types that have been so substantially altered by human activity that less than 15 percent of the original characteristics remain.

Stratigraphy

The subsurface soils consist of about ten feet of fill material consisting of brick, concrete, and debris. The fill material is underlain by about five feet of grey to tan medium sand with a petroleum odor at most locations. The fill and sand is underlain by mica schist bedrock, encountered around fifteen feet below grade in most locations. For a more detailed stratigraphy see Appendix C.

Hydrogeology

Groundwater was not encountered in any of the borings as they were advanced (i.e., no evidence of water or saturation). After the borings were completed to the top of rock/refusal, a temporary well was inserted in two (2) borings and allowed to sit overnight. This allowed the relatively minor amount of water apparently present in the soil matrix at the base of the hole to accumulate in the screen. Depth to groundwater was observed at 17.3 feet bgs in the temporary wells.

5.2 Soil Sample Analytical Results

The following information is a summary of the soil sample analytical test results (Appendix D). This information has also been included in Table 2.

<u>Semi Volatile Organic Compounds (SVOCs)</u>

- Naphthalene was detected in samples, AEI-SB3(19.5-20) and AEI-SB9(14.0-14.5) between 13 and 27 mg/kg which does exceed the New York State Department of Conservations(NYSDEC) Soil Cleanup Objectives(SCO).
- Multiple polyaromatic hydrocarbons(PAHs) exceed the NYSDEC SCO in sample AEI-SB9(14.0-14.5).
- No other SVOCs were detected above their respective NYSDEC SCO.

<u>Volatile Organic Compounds (VOCs)</u>

- The following compounds exceed their respective NYSEC SCO:
    - Benzene in three samples between 0.36 mg/kg and 0.84 mg/kg
    - Toluene in three samples between 1.8 mg/kg and 8.7 mg/kg
    - Ethylbenzene in four samples between 2.6 mg/kg and 31 mg/kg
    - Xylenes in eight samples between 0.4 mg/kg and 270 mg/kg
    - n-Butylbenzene in three samples between 16 mg/kg and 22 mg/kg

DRAFT

- Isopropylbenzene in four samples between 4.3 mg/kg and 11 mg/kg
- n-Propylbenzene in four samples between 14 mg/kg and 39 mg/kg
- 1,3,5-Trimethylbenzene in three samples between 12 mg/kg and 66 mg/kg
- 1,2,4-Trimethylbenzene in five samples between 22 mg/kg and 320 mg/kg

- No other VOCs were detected above their respective NYSDEC SCO.

Lead

- Lead was not detected in AEI-SB13 (18.5-19.0) at levels greater than the NYSEC SCO for Lead.

The analytical results are generally consistent with soil field screening PID results. As depicted on the soil boring logs (Appendix C), elevated PID readings were generally not observed in soil at depths approximately 12-15 ft-bgs. However, as confirmed by the laboratory analytical results, soils below 15 ft-bgs generally showed visual evidence of petroleum impacts and elevated PID readings.

Copies of the laboratory analytical results report and Chain of Custody documentation are located in the Appendix D.

5.3 Groundwater Sample Analytical Results

The following information is a summary of the groundwater sample analytical test results (Appendix D). This information has also been included in Table 2.

Semi Volatile Organic Compounds (SVOCs)

- 2,4-Dimethylphenol was detected in samples, AEI-TWP-3 and AEI-TWP-6 between 17 and 24 µg/l which exceeds the NYSDEC Groundwater Quality Standards(GWQS).
- Naphthalene was detected in samples, AEI-TWP-3 and AEI-TWP-6 between 700 and 760 µg/l which exceeds the NYSDEC GWQS.
- No other SVOCs were detected above their respective NYSDEC GWQS.

Volatile Organic Compounds (VOCs)

- The following compounds exceed their respective NYSEC GWQS in both samples(AEI-TWP-3 and AEI-TWP-6):
  - Benzene at 17 µg/l and 1000 µg/l respectively
  - Toluene at 620 µg/l and 3200 µg/l respectively
  - Ethylbenzene at 660 µg/l and 2400 µg/l respectively
  - n-Butylbenzene at 40 µg/l and 84 µg/l respectively
  - Isopropylbenzene at 40 µg/l and 84 µg/l respectively
  - Naphthalene at 520 µg/l and 1200 µg/l respectively
  - n-Propylbenzene at 160 µg/l and 390 µg/l respectively
  - 1,3,5-Trimethylbenzene at 360 µg/l and 840 µg/l respectively
  - 1,2,4-Trimethylbenzene at 1300 µg/l and 3000 µg/l respectively

DRAFT

- Many other VOCs were detected under their respective NYSDEC GWQS.

Lead

- Lead was detected in both AEI-TWP-3 and AEI-TWP-6, at 54.88 µg/l and 6.73 µg/l respectively. AEI-TWP-3 exceeded the lead NYSEC GWQS of 25 µg/l.

Copies of the laboratory analytical results report and Chain of Custody documentation are located in the Appendix D.

DRAFT

6.0 Summary and Conclusions

AEI has prepared this Remedial Investigation report to delineate the concerns identified in the 2015 Phase II report, which specifically had reported evidence of impacts in soil gas at the subject parcel, which may be related to that adjoining parcel. Benzene and other VOCs were reported in the soil gas analytical results. Given these findings, the Phase II report indicated that there was potential for a future vapor intrusion concerns.

Fifteen (15) soil samples were collected from nine (9) soil borings as part of the investigation at the subject property. Multiple VOCs and SVOCs were detected in multiple soil samples above the compounds respective NYSDEC SCO, for more detailed results see section 5.2 of this report or Table 1.

Two (2) groundwater samples were collected from two (2) TWP installed as part of the investigation at the subject property. Multiple VOCs, SVOCs and lead were detected in multiple groundwater samples above the compounds respective NYSDEC GWQS; however, exceedances of the NYSDEC SCO were generally limited to a depth interval of approximately 15 ft-bgs and the top of weathered bedrock (ranging from approximately 20-25 ft-bgs).

During AEI's Remedial Investigation field work spill case number 1501663 was established with the New York State Department of Environmental Conservation. The spill case was established due to high PID readings, visual soil staining in the soil borings, and strong petroleum odors in the soil borings.

Preliminary Remedial Actions

This section presents a brief description of the anticipated future remedial actions for the subject parcel. Because the site development prosed by LAM GEN includes a multi-story hotel, equipped with a multi-level basement structure that extends approximately to the top of the underlying bedrock surface (i.e., 25 ft-bgs +/-), extensive soil removal will be required. The soil removal activities required to facilitate construction of the proposed foundation/basement structure will serve to remediate impacted soils identified between approximately 15-25 ft-bgs, including the area of the property that was reportedly included the USTs. The soil removal remedy will also serve to eliminate a significant potential source of groundwater contamination, thereby enhancing the likelihood for residual petroleum compounds in groundwater to naturally attenuate. Finally, the proposed basement/foundation structure, consisting of reinforced concrete walls and slab, will serve as an effective engineering control to prevent direct contact with any residual petroleum compounds in soil left behind, as well as a barrier for mitigating potential vapor intrusion of petroleum compounds.

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Based on the soil and groundwater analytical results, AEI recommends confirmatory soil and groundwater sampling in conjunction with site redevelopment. Impacted soils across the subject property located between approximately 15-25 ft-bgs (or the depth corresponding to top of bedrock) will be remediated to prevent direct exposure of contaminants exceeding the NYSDEC SCOs to humans, and minimize potential future migration of impacted groundwater and vapor intrusion. Because the investigation data presented herein indicates that overburden soils up to approximately 15 ft-bgs are not impacted, confirmatory sampling will be conducted to characterize these soils. The overburden soils may then be segregated from impacted soils and either beneficially reused as structural fill on the subject or adjacent parcel, or disposed of off-site. However, because the majority of the subject parcel will require little additional fill during site development, it is expected that most unimpacted soil will be exported for off-site disposal or reuse.

One option for beneficial reuse of unimpacted soil at the subject property may entail the adjoining parcel (113 West 24th Street), which is also owned by LAM GEN. Like the subject parcel, the property at 113 West 24th Street also includes impacted soils at depths greater than approximately 15 ft-bgs that may require remediation by removal. Should remediation by removal at the adjacent parcel be implemented, the unimpacted soils from the subject parcel could be used to restore site grades at the adjacent parcel, which would also help render it suitable for future development.

Ultimately, the remedy or remedies for the subject parcel will be designed to be compatible with LAM GEN's final site development plans, and will be documented in a Remedial Action Plan (RAP).

DRAFT

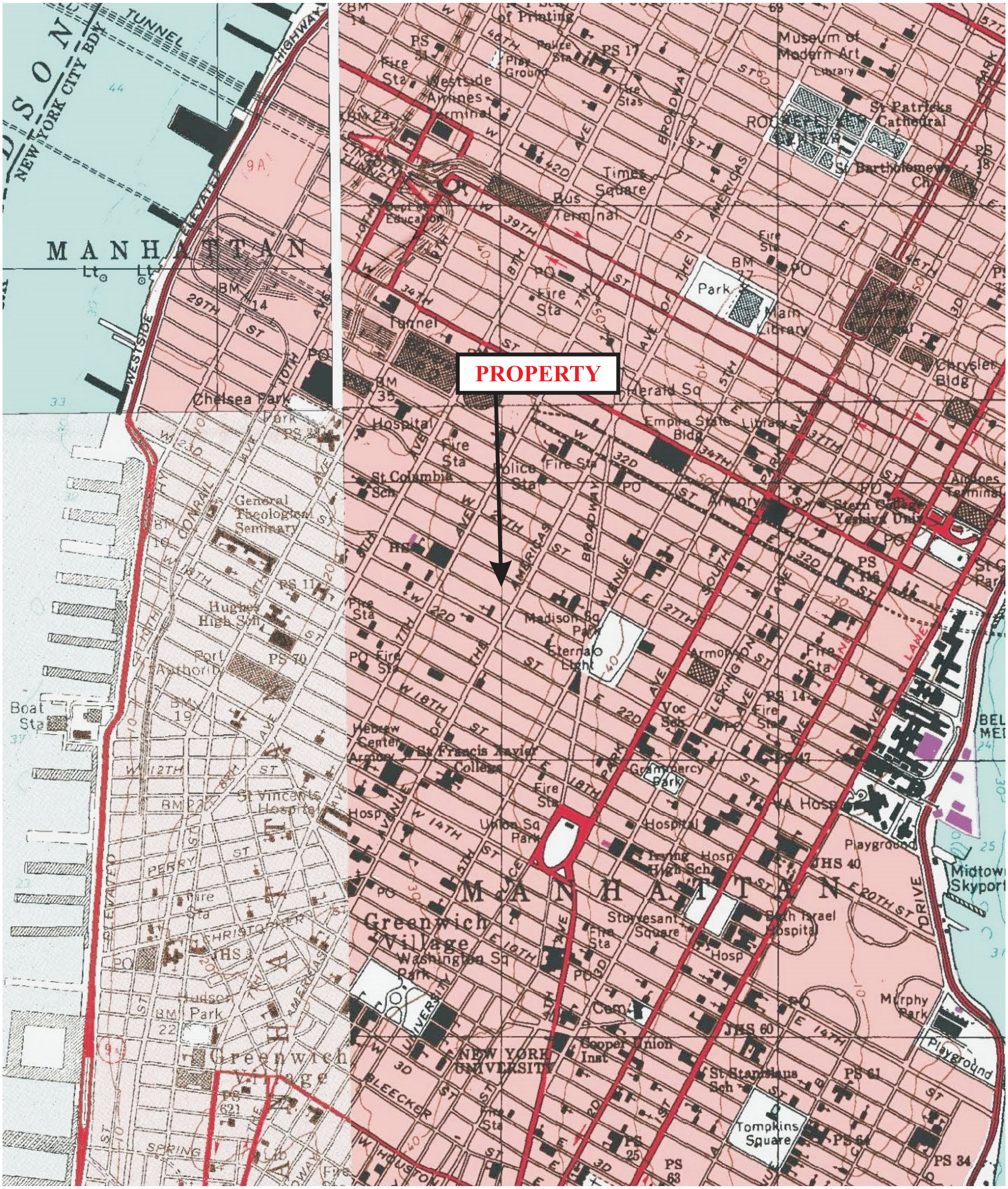
7.0 Project Schedule

The following is the anticipated schedule for the subject parcel:

- Confirmatory soil sampling – July 1 – July 8
- Well Installation and Sampling – July 1 – July 22
- Remedial Design – July 15 – July 29
- Submit RAP – August 3

DRAFT

FIGURES



LEGEND

N

Date: June 4, 2015
Source: USGS

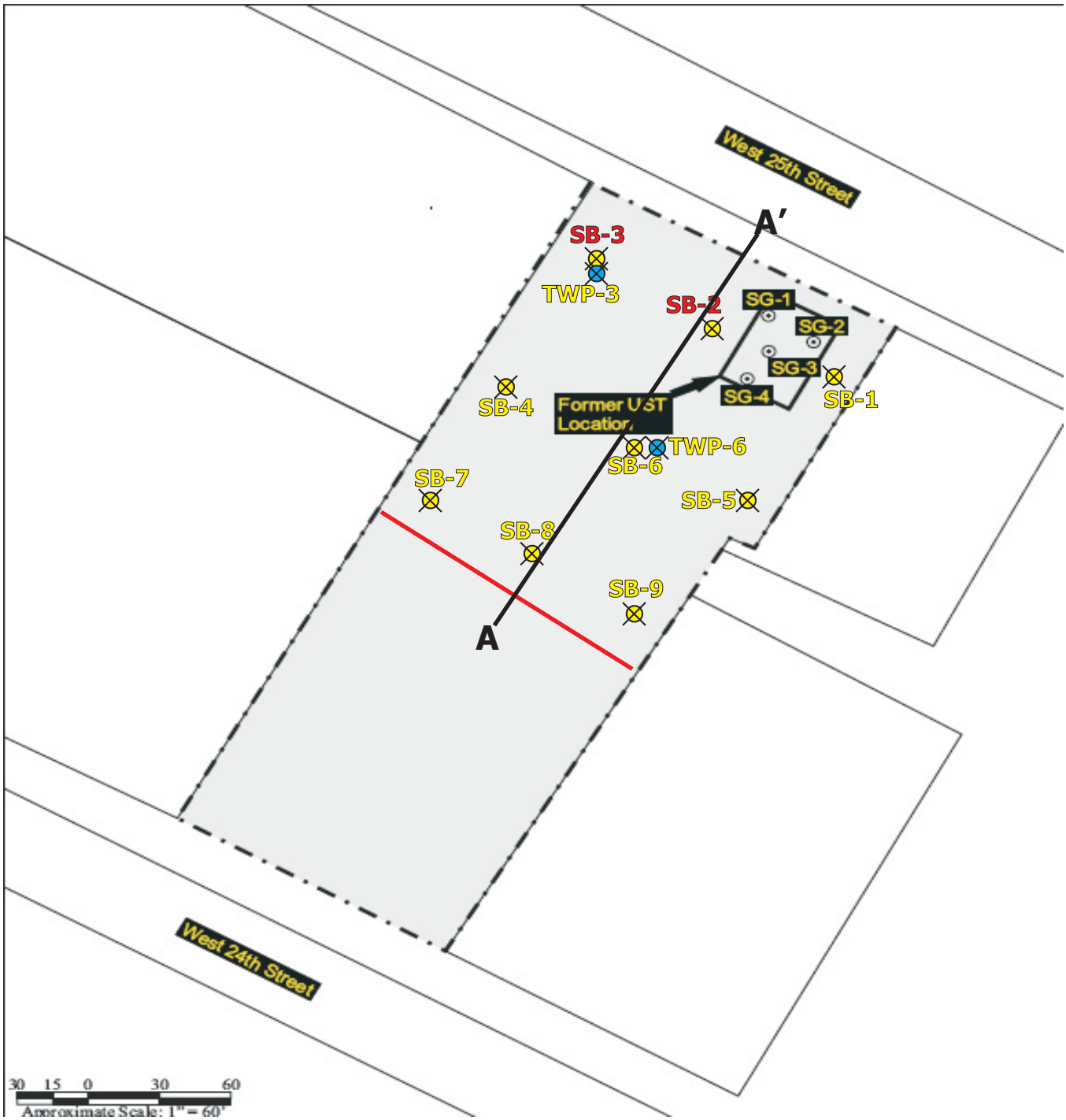
AEI CONSULTANTS

20 GIBSON PLACE FREEHOLD, NEW JERSEY 07728

SITE LOCATION MAP

112 West 25th Street
New York, New York 10001

FIGURE 1
Project No. 343443



Legend

Approximate Property Boundary

Soil Boring Location

Temp Well

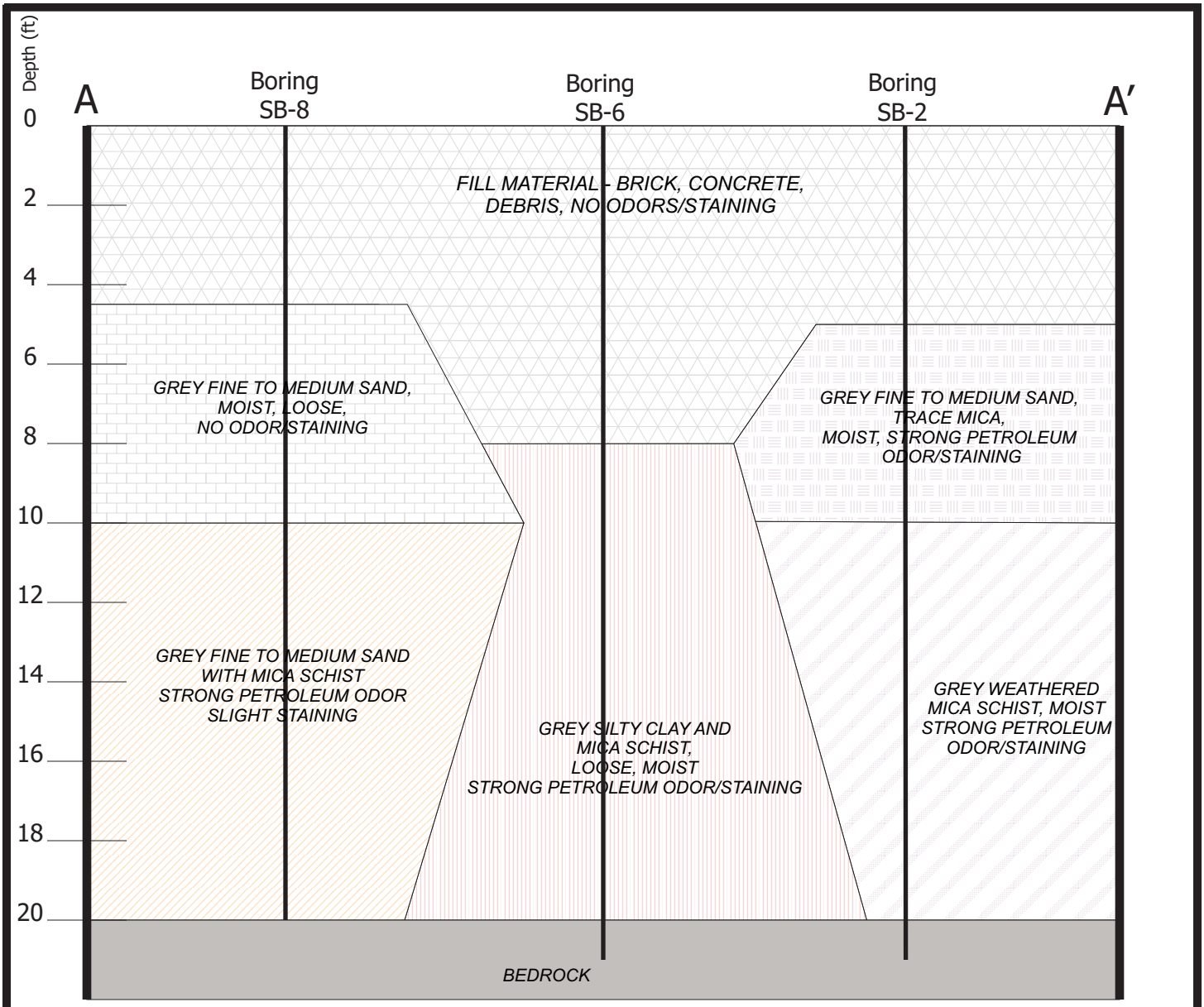
Soil Sample Collected exceeded NYSDEC Commercial SCO **SB-3**

N

Figure 2: Boring Location Map

112 West 25th Street, New York, NY
Project Number: 343443

AEI Consultants



Notes:

- Fine to Medium sand layer contained elevated VOC levels between approximately 10-20 feet bgs based on PID readings and analytical results

- Type and thickness of soils approximated based on borings completed on subject parcel

- Weathered bedrock encountered at 25 feet bgs at one boring SB-12 (not shown) on subject parcel

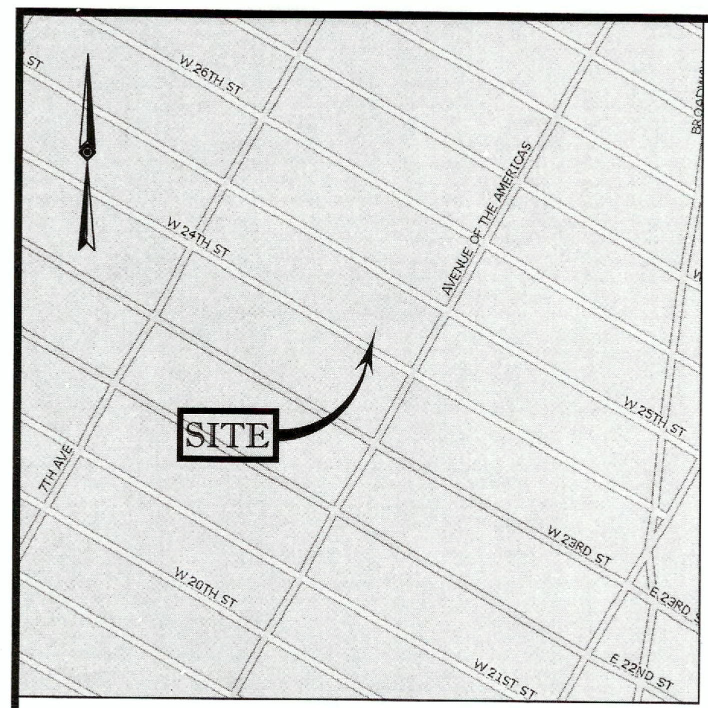
- Figure not to scale

N

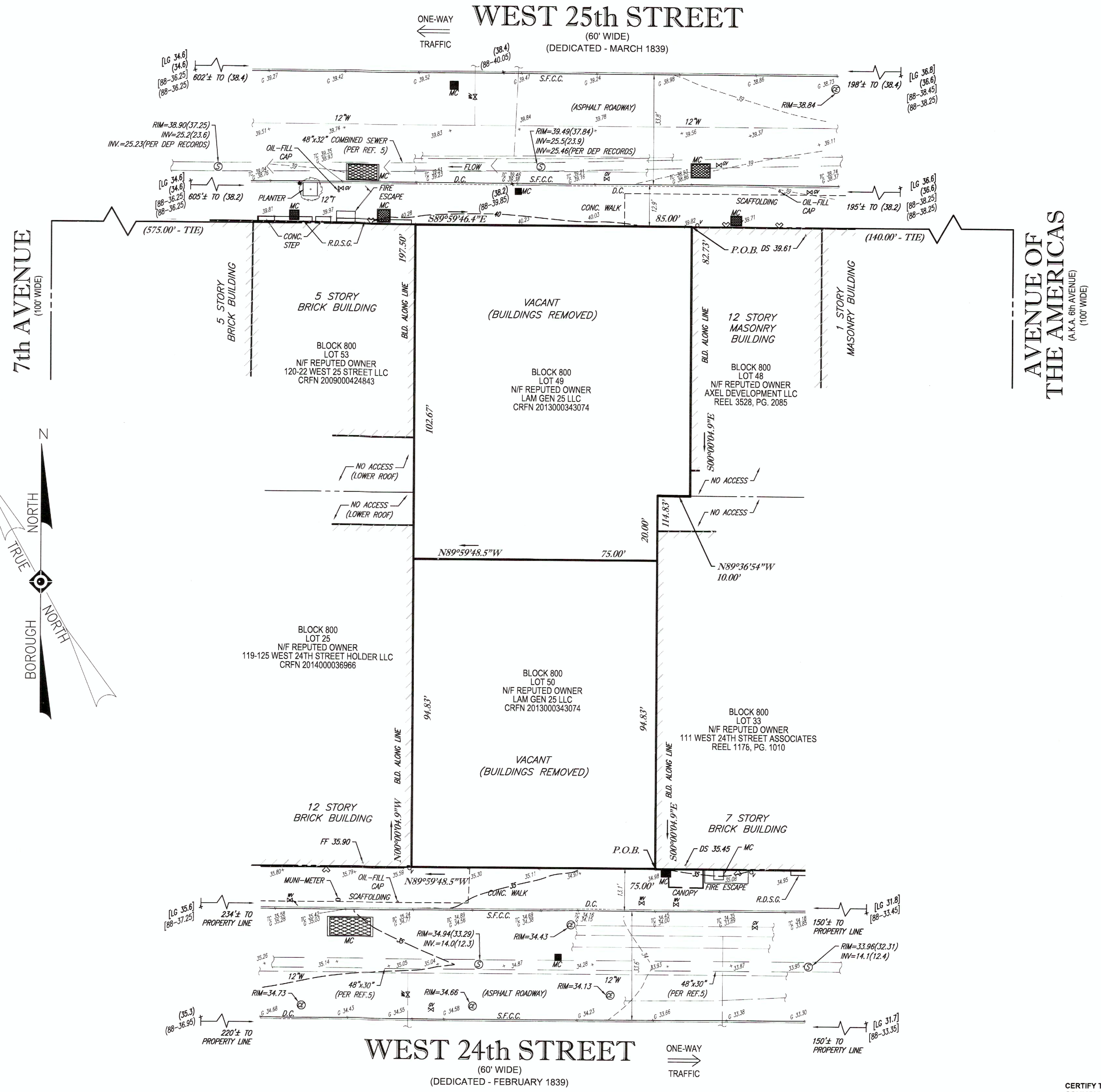
Figure 3 - Cross Section A-A′

112 West 25th Street, New York, New York
Project Number: 343444

AEI Consultants



VICINITY MAP
© 2008 DeLorme. Street Atlas USA



NOTES:

1. PROPERTY KNOWN AS LOTS 49 & 50, BLOCK 800, AS SHOWN ON THE NEW YORK CITY DIGITAL TAX MAP OF THE BOROUGH OF MANHATTAN, CITY, COUNTY AND STATE OF NEW YORK.
2. AREA LOT 49 = 8,527 S.F. OR 0.196 AC.
   AREA LOT 50 = 7,112 S.F. OR 0.163 AC.
   TOTAL AREA = 15,639 S.F. OR 0.359 AC.
3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE ASBUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.
4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
5. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN.
6. BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) PER REF. #2.
7. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
8. ALL ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), WHICH IS 1.65 FEET BELOW THE MANHATTAN BOROUGH SEWER DATUM. ELEVATIONS ARE BASED UPON REFERENCE BENCHMARK 528 ELEVATION 40.216 FEET (BOROUGH OF MANHATTAN HIGHWAY DATUM), REPUTED TO BE 2.750 FEET ABOVE SEA LEVEL AT SANDY HOOK.

   TO CONVERT TO BOROUGH OF MANHATTAN HIGHWAY DATUM SUBTRACT 1.65 FROM THE ELEVATIONS LISTED, TO CONVERT TO NGVD 1929 ADD 1.1 TO THE ELEVATIONS LISTED.
9. THERE WERE NO NATURAL STREAMS OR WATERCOURSES VISIBLE AT THE TIME OF THE FIELD SURVEY.
10. ENCROACHMENTS AND VAULTS, IF ANY, BELOW SURFACE NOT SHOWN HEREON.
11. THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.

REFERENCES:

1. THE NEW YORK CITY DIGITAL TAX MAP OF THE BOROUGH OF MANHATTAN, CITY, COUNTY AND STATE OF NEW YORK.
2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, CITY OF NEW YORK, NEW YORK, BRONX, RICHMOND, NEW YORK, QUEENS AND KINGS COUNTIES," PANEL 201 OF 457, MAP NUMBER 3604970201F, MAP REVISED: SEPTEMBER 5, 2007.
3. BOROUGH SURVEY NO. 32 PROVIDED BY THE OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, TOPOGRAPHICAL BUREAU.
4. FINAL SECTION MAP NO. 42 PROVIDED BY THE OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, TOPOGRAPHICAL BUREAU.
5. SEWER MAPPING PROVIDED BY THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER AND SEWERS.
6. WATER MAPPING PROVIDED BY THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER AND SEWERS.
7. FIRE COMMUNICATIONS MAPPING PROVIDED BY THE CITY OF NEW YORK, MAP NUMBER 28.
8. MAP ENTITLED "MAP SHOWING A CHANGE OF GRADE ON WEST 25TH STREET BETWEEN BROADWAY AND SEVENTH AVENUE", PROVIDED BY THE OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, DATED APRIL 6, 1923. MAP NUMBER: ACC 25012.
9. MAP ENTITLED "MAP SHOWING A CHANGE OF GRADE ON WEST 24TH STREET BETWEEN BROADWAY AND SEVENTH AVENUE", PROVIDED BY THE OFFICE OF THE PRESIDENT OF THE BOROUGH OF MANHATTAN, DATED APRIL 4, 1923. MAP NUMBER: ACC 25156.
10. APPLICATION FOR MERGERS OR APPORTIONMENTS (RP-602), BOROUGH OF MANHATTAN, BLOCK 800, LOT 49 DATED 9-05-2013 APPROVED 9-09-2013.

LEGEND

124 / 125	EXISTING CONTOUR
× 123.45	EXISTING SPOT ELEVATION
× TC 123.45	EXIST. TOP OF CURB ELEVATION
× G 122.95	EXIST. GUTTER ELEVATION
× FF 123.45	EXIST. FINISHED FLOOR ELEVATION
× DS 123.45	EXIST. DOOR SILL ELEVATION
× [LG 125.45]	LEGAL GRADE ELEVATION (PER REF. 4)
× (125.45)	EXIST. GRADE ELEVATION (PER REF. 4)
× [88–125.45]	LEGAL GRADE ELEVATION (PER REF. 4) CONVERTED TO NAVD 88 DATUM
× (88–125.45)	EXIST. GRADE ELEVATION (PER REF. 4) CONVERTED TO NAVD 88 DATUM
WV	WATER VALVE
GV	GAS VALVE
	FIRE DEPARTMENT CONNECTION
—— G ——	UNCONFIRMED LOC. UNDERGROUND GAS LINE (PER UTILITY MARK OUT - SEE NOTE 3)
—— E ——	UNCONFIRMED LOC. UNDERGROUND ELEC. LINE (PER UTILITY MARK OUT - SEE NOTE 3)
—— T ——	UNCONFIRMED LOC. UNDERGROUND TEL. LINE (PER UTILITY MARK OUT - SEE NOTE 3)
—— W ——	UNCONFIRMED LOC. UNDERGROUND WATER LINE (PER REF. 6, NOT FIELD VERIFIED - SEE NOTE 3)
V	VENT
	SIGN
S.F.C.C.	STEEL FACED CONCRETE CURB
D.C.	DEPRESSED CURB
MC	METAL COVER
R.D.S.G.	ROLL DOWN SECURITY GATE
E	ELECTRIC MANHOLE
S	SANITARY/SEWER MANHOLE RIM NAVD 88 (BOROUGH SEWER DATUM) INV. NAVD 88 (BOROUGH SEWER DATUM)
T#	DECIDUOUS TREE & TRUNK SIZE
FLOW ==>	FLOW DIRECTION

UTILITIES:

THE FOLLOWING COMPANIES WERE NOTIFIED BY THE NEW YORK CITY ONE-CALL SYSTEM (1-800-272-4480) AND REQUESTED TO MARK OUT UNDERGROUND FACILITIES AFFECTING AND SERVICING THIS SITE. THE UNDERGROUND UTILITY INFORMATION SHOWN HEREON IS BASED UPON THE UTILITY COMPANIES RESPONSE TO THIS REQUEST.
SERIAL NUMBER(S): 141910201

UTILITY COMPANY	PHONE NUMBER
AT&T CORPORATION	(903)753-3145
CABLEVISION OF NEW YORK CITY	(718)990-8757
CONSOLIDATED EDISON CO. OF N.Y	(718)472-2304
EMPIRE CITY SUBWAY MANHATTAN	(212)240-4653
EXTENET SYSTEMS	(800)262-8600
MCI	(800)289-3427
PORT AUTHORITY OF NY & NJ	(201)595-4841
RCN	(718)472-2304
TIME WARNER CABLE - MANHATTAN	(212)379-4191

NEW YORK CITY ONE CALL CENTER & L.I. 1-800-272-4480 STOP-CALL THEN DIG Safely.

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COMMONWEALTH LAND TITLE INSURANCE COMPANY
FEDERAL STANDARD ABSTRACT, INC.
SHANGHAI COMMERCIAL BANK LTD., NEW YORK BRANCH, ITS SUCCESSOR AND/OR ASSIGNS
LAM GEN 25 LLC

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

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PREPARED BY:
CONTROL POINT ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NJ 07059
908.668.0099 - 908.668.9595 FAX
CHALFONT, PA 215.712.9800
SOUTHBOROUGH, MA 508.948.3000

NO.	DATE	BY	DESCRIPTION	APPROVED
8	4-15-2015	M.W.P.	REVISE PER CLIENT COMMENTS	G.J.S.
7	3-26-2015	W.S.H	ADD CERTIFIED PARTIES	G.J.S.
6	3-3-2015	W.S.H	ADD STREET AND SIDEWALK WIDTHS	G.J.S.
5	2-17-2015	W.S.H	PER ENGINEERS COMMENTS	G.J.S.
4	1-23-2015	W.S.H	REVISE PER SITE FIELD UPDATE	G.J.S.
3	12-10-2014	W.S.H	REVISE TO ADD DIMENSIONS & ELEVATIONS PER CLIENTS REQUEST	G.J.S.
2	11-18-2014	W.S.H	REVISE TO ADD ROOF SURVEY	G.J.S.

REVISIONS

PROJECT NAME
112 WEST 25th STREET
LOTS 49 & 50, BLOCK 800
BOROUGH OF MANHATTAN
COUNTY, CITY AND STATE OF NEW YORK

DRAWING TITLE
BOUNDARY & TOPOGRAPHIC SURVEY

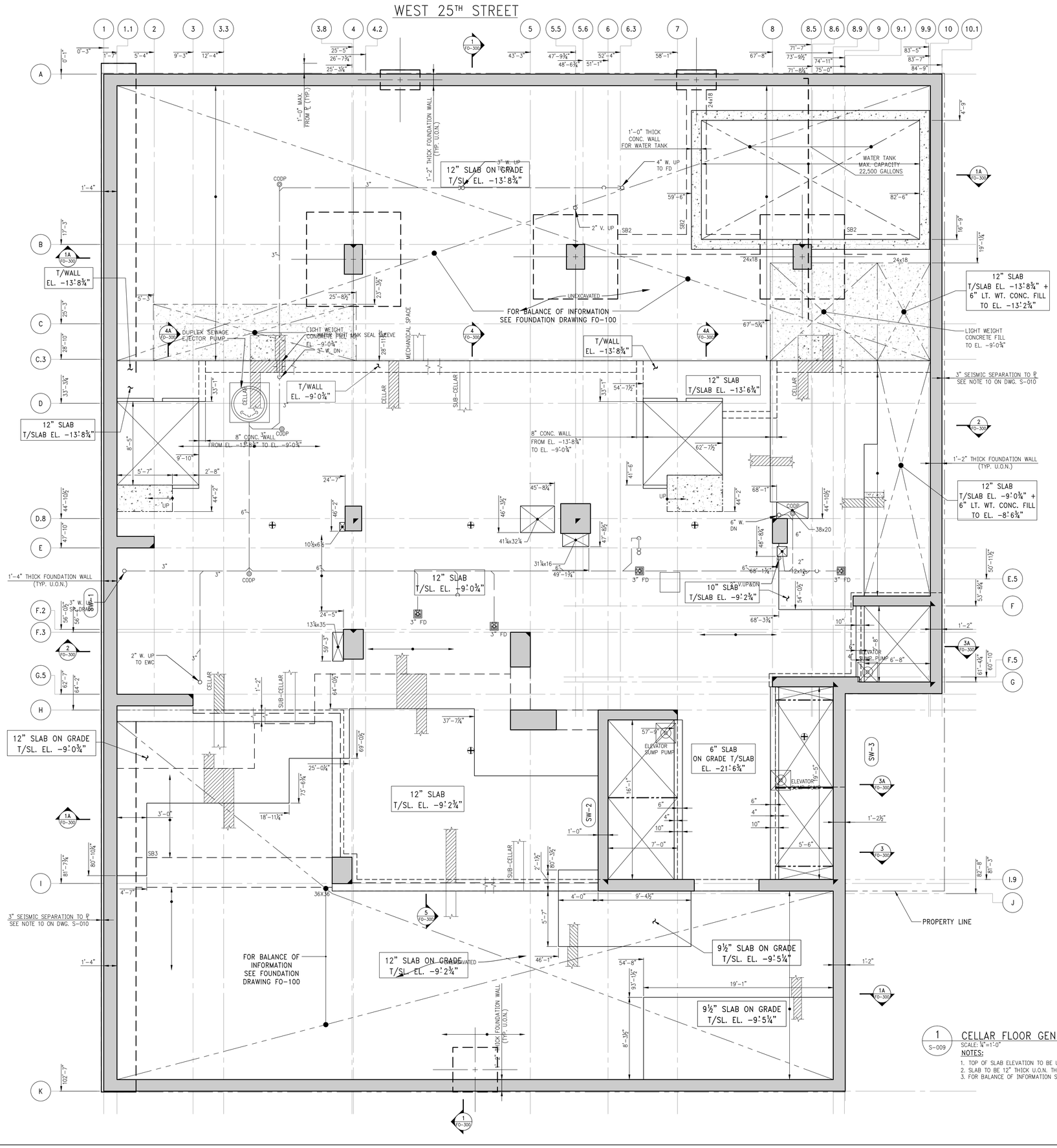
SEAL & SIGNATURE

NOT VALID UNTIL SEALED WITH A BLUE INK SEAL

STATE OF NEW YORK JAMES C. WEED LICENSED ... SURVEYOR

JAMES C. WEED 4-15-2015 DATE
NEW YORK PROFESSIONAL LAND SURVEYOR #50765

FIELD DATE:	7-17-14
FIELD BK:	14-14
F. B. PAGE:	96-104
DATE:	7-30-2014
SCALE:	1"=20'
PROJECT No:	C13372
DRAWING BY:	I.D.V.
CHK BY:	M.W.P.
APPROVED BY:	G.J.S.
DWG No:	V-001.8
CAD FILE No: C13372	PAGE No: 1 OF 1



1 / S-009 CELLAR FLOOR GENERAL ARRANGEMENT PLAN

SCALE: ¼"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE U.O.N. THUS [xxxx] ON PLAN.
2. SLAB TO BE 12" THICK U.O.N. THUS [xxxx] ON PLAN.
3. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

Nobutaka Ashihara Architect
132 Nassau Street, Suite 1320
New York, New York 10038
TEL 212.233.1783
FAX 212.619.0647
WEB http://www.naa-arch.com

REV.	DATE	DESCRIPTION
4	03.27.15	REVISED FOUNDATION BID SET
3	01.19.15	100% CD ISSUE
2	11.07.14	75% CD ISSUE

112 W 25TH ST HOTEL

112 West 25th Street
New York, New York 10001

Owner / Developer:
Lam Group
202 Centre Street, 6th Floor
New York, New York 10013

Structural Engineer
WSP
228 East 45th Street, 3rd Floor
New York, NY 10017

MEP Engineer
Edward & Zuck PC Consulting Engineers
315 Park Avenue South
New York, NY 10010

Interior Designer
Stonehill & Taylor
31 West 27th Street
New York, NY 10001

Elevator Consultant
Jenkins & Huntington Elevator Consultating
1251 Avenue of the Americas
New York, NY 10020

PROJ. NO.	1308890
ISSUE DATE	
SCALE	1/4" = 1'-0"
DRAWN	
CHECKED	

DWG. TITLE

CELLAR FLOOR GENERAL ARRANGEMENT PLAN

DWG. NO.
S-009.00

NYC DOB Number

TABLES

TABLE 1: SOIL SAMPLE DATA SUMMARY
112 West 25th Street New York, New York 10001

ANALYSIS	UNITS	NYSDEC SCO Resticted Commercial	NYSDEC SCO Resticted Residential	NYSDEC SCO Unrestricted	AEI SB-1 (10.5-11.0) 5/13/2015 10.5 (feet bgs)	AEI SB-2 (11.5-12.0) 5/13/2015 11.5 (feet bgs)	AEI SB-2 (20.5-21.0) 5/13/2015 20.5 (feet bgs)	AEI SB-3 (11.0-11.5) 5/13/2015 11 (feet bgs)	AEI SB-3 (19.5-20.0) 5/13/2015 19.5 (feet bgs)	AEI SB-4 (10.0-10.5) 5/13/2015 10 (feet bgs)	AEI SB-4 (19.5-20.0) 5/13/2015 19.5 (feet bgs)	AEI SB-5 (11.5-12.0) 5/13/2015 11.5 (feet bgs)	AEI SB-6 (10.5-11.0) 5/13/2015 10.5 (feet bgs)	AEI SB-6 (20.5-21.0) 5/13/2015 20.5 (feet bgs)	AEI SB-7 (14.5-15.0) 5/14/2015 14.5 (feet bgs)	AEI SB-8 (9.5-10.0) 5/14/2015 9.5 (feet bgs)	AEI SB-8 (17.5-18.0) 5/14/2015 17.5 (feet bgs)	AEI SB-9 (14.0-14.5) 5/14/2015 14 (feet bgs)	AEI SB-9 (20.0-20.5) 5/14/2015 20 (feet bgs)
General Chemistry																			
Solids, Total	%				97.2	90.4	90.4	86.5	98.1	84.6	91.5	87.5	89.2	85.2	89.7	82.5	88.7	90.8	90.9
Semivolatile Organics																			
Acenaphthene	mg/kg	500	100	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8	ND
Fluoranthene	mg/kg	500	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32	ND
Naphthalene	mg/kg	500	100	12	ND	3.1	ND	ND	27	ND	ND	ND	10	ND	ND	ND	ND	13	ND
Bis(2-Ethylhexyl)phthalate	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46	ND
Benzo(a)anthracene	mg/kg	5.6	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**12**	ND
Benzo(a)pyrene	mg/kg	1	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**12**	ND
Benzo(b)fluoranthene	mg/kg	5.6	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**14**	ND
Benzo(k)fluoranthene	mg/kg	56	3.9	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.6	ND
Chrysene	mg/kg	56	3.9	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12	ND
Anthracene	mg/kg	500	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND
Benzo(ghi)perylene	mg/kg	500	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.3	ND
Fluorene	mg/kg	500	100	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.4	ND
Phenanthrene	mg/kg	500	100	100	ND	ND	0.054 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45	ND
Dibenzo(a,h)anthracene	mg/kg	0.56	0.33	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.2**	ND
Indeno(1,2,3-cd)Pyrene	mg/kg	5.6	0.5	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.8**	ND
Pyrene	mg/kg	500	100	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27	ND
Biphenyl	mg/kg	NS	NS	NS	ND	0.072 J	0.29 J	ND	0.37 J	ND	ND	0.09 J	0.16 J	ND	ND	ND	ND	0.97	ND
Dibenzofuran	mg/kg	350	59	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ND
2-Methylnaphthalene	mg/kg	NS	NS	NS	ND	3.1	1.6	ND	26	ND	ND	ND	10	ND	0.13 J	ND	ND	4.6	0.81
2,4-Dimethylphenol	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.32 J	ND
Phenol	mg/kg	500	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.59	ND
2-Methylphenol	mg/kg	500	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26 J	ND
3-Methylphenol/4-Methylphenol	mg/kg	500	100	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.88	ND
Carbazole	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND
Total Metals																			
Lead, Total	mg/kg	1000	400	63	2.8	-	-	-	3	-	-	-	-	-	-	-	-	-	-
Volatile Organics by 8260/5035																			
Tetrachloroethene	mg/kg	150	19	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0006 J	ND	ND	ND
Benzene	mg/kg	44	4.8	0.06	ND	ND	0.81	0.00034 J	ND	0.0094	ND	0.00029 J	0.84	0.0032	ND	ND	0.36	ND	ND
Toluene	mg/kg	500	100	0.7	ND	ND	0.49 J	0.0034	1.8	0.067	0.00034 J	0.00082 J	8.7	0.0052	ND	ND	2.1	0.11	ND
Ethylbenzene	mg/kg	390	41	1	ND	31	2.6	0.0041	28	0.38 E	0.00031 J	ND	24	0.022	0.41	ND	0.86	0.15	ND
p/m-Xylene	mg/kg	NS	NS	NS	ND	68	0.68 J	0.017	210	0.98 E	0.0013 J	0.0049	120	0.11	1.8	ND	3.5	0.32	ND
o-Xylene	mg/kg	NS	NS	NS	ND	28	ND	0.0068	64	0.77 E	0.00032 J	0.0021 J	28	0.022	0.21 J	ND	1.2	0.081 J	ND
Xylenes, Total	mg/kg	500	100	0.26	ND	96	0.68 J	0.024	270	-	0.0016 J	0.007 J	150	0.13	2 J	ND	4.7	0.4 J	ND
Acetone	mg/kg	500	100	0.05	ND	ND	ND	0.01 J	ND	ND	0.0059 J	ND	0.63 J	0.0082 J	ND	0.43 E	0.24 J	0.16 J	ND
Carbon disulfide	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	0.0027 J	ND	0.0028 J	ND	ND	ND	ND	ND
2-Butanone	mg/kg	500	100	0.12	ND	ND	ND	ND	ND	ND	0.0013 J	ND	ND	ND	ND	0.0076 J	ND	ND	ND
1,2,3-Trichloropropane	mg/kg	NS	NS	NS	ND	ND	ND	ND	2.8	ND	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND
n-Butylbenzene	mg/kg	500	100	12	ND	19	22	0.00033 J	16	0.036	ND	ND	6.5	0.0061	4.3	ND	0.16	0.23	0.036 J
sec-Butylbenzene	mg/kg	500	100	11	ND	5.4	8.3	ND	4.6	0.021	ND	0.15	2.1	0.0016	1.1	ND	0.077	0.1	0.045 J
tert-Butylbenzene	mg/kg	500	100	5.9	ND	ND	ND	ND	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	mg/kg	NS	NS	NS	ND	11	5.7	0.00051 J	7.8	0.058	ND	0.036	4.3	0.0076	0.7	ND	0.14	0.15	ND
p-Isopropyltoluene	mg/kg	NS	NS	NS	ND	4.2	5.9	ND	3.9	0.019	ND	0.055	2	0.0021	0.93	ND	0.11	0.2	ND
Naphthalene	mg/kg	500	100	12	ND	22	ND	0.0033 J	35	0.2	0.00022 J	ND	14	0.045	1.9	ND	0.4	11	0.081 J
n-Propylbenzene	mg/kg	500	100	3.9	ND	39	29	0.0013	29	0.17	0.00024 J	0.2	14	0.021	3.8	ND	0.35	0.36	ND
1,3,5-Trimethylbenzene	mg/kg	190	52	8.4	ND	12	ND	0.0028 J	66	0.5 E	0.00044 J	ND	30	0.027	8.1	ND	0.79	0.98	0.037 J
1,2,4-Trimethylbenzene	mg/kg	190	52	3.6	ND	**320**	160	0.011	**300**	1.7 E	0.0012 J	0.046	110	0.16	22	ND	2.2	2.4	0.09 J
p-Diethylbenzene	mg/kg	NS	NS	NS	ND	48	18	0.0025 J	120	0.26	0.00044 J	0.18	36	0.032	24	ND	0.99	1.7	0.057 J
p-Ethyltoluene	mg/kg	NS	NS	NS	ND	75	6.2	0.0072	230	0.4 E	0.0013 J	0.008	73	0.06	17	ND	1.7	0.84	0.048 J
1,2,4,5-Tetramethylbenzene	mg/kg	NS	NS	NS	ND	30	59	0.001 J	26	0.07	ND	0.59 E	10	0.012	7.2	ND	0.22	0.46	0.13 J
Volatile Organics by EPA 5035 High																			
Acetone	mg/kg	500	100	0.05	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	0.99	NA	NA	NA
2-Butanone	mg/kg	500	100	0.12	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	0.25 J	NA	NA	NA
sec-Butylbenzene	mg/kg	500	100	11	NA	NA	NA	NA	NA	ND	NA	0.24	NA	NA	NA	ND	NA	NA	NA
p-Isopropyltoluene	mg/kg	NS	NS	NS	NA	NA	NA	NA	NA	ND	NA	0.081	NA	NA	NA	ND	NA	NA	NA
n-Propylbenzene	mg/kg	500	100	3.9	NA	NA	NA	NA	NA	ND	NA	0.16	NA	NA	NA	ND	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	190	52	3.6	NA	NA	NA	NA	NA	ND	NA	0.066 J	NA	NA	NA	ND	NA	NA	NA
1,4-Diethylbenzene	mg/kg	NS	NS	NS	NA	NA	NA	NA	NA	ND	NA	0.44	NA	NA	NA	ND	NA	NA	NA
4-Ethyltoluene	mg/kg	NS	NS	NS	NA	NA	NA	NA	NA	ND	NA	0.039 J	NA	NA	NA	ND	NA	NA	NA
1,2,4,5-Tetramethylbenzene	mg/kg	NS	NS	NS	NA	NA	NA	NA	NA	ND	NA	1.4	NA	NA	NA	ND	NA	NA	NA

Notes:

mg/kg	milligrams per kilogram
J	estimated concentration
E	concentration of analyte
bgs	below ground surface
ND	non detect
NA	not analyzed
NS	No Standard/Objective
BOLD	Exceeds respective NYSDEC SCO Restriced Commercial

Comparision Values:

NYSDEC SCO Restriced Residential: New York State Department of Environmental Conservation Soil Cleanup Objectives for Restricted Residential use

NYSDEC SCO Restriced Commercial: New York State Department of Environmental Conservation Soil Cleanup Objectives for Restricted Commercial use

NYSDEC SCO Unrestriced: New York State Department of Environmental Conservation Soil Cleanup Objectives for Unresticted use

TABLE 2: GROUNDWATER SAMPLE DATA SUMMARY
112 West 25th Street New York, New York 10001

Analysis	Units	NYSDEC GWQS	AEI TWP-3 5/14/2015	AEI TWP-6 5/14/2015
SVOCs via EPA Method 8270				
Bis(2-Ethylhexyl)phthalate	µg/L	5	ND	ND
Biphenyl	µg/L	NS	3.6 J	5 J
2,4-Dimethylphenol	µg/L	5	**17 J**	**74**
3-Methylphenol/4-Methylphenol	µg/L	NS	5.7 J	17 J
Naphthalene	µg/L	10	**700**	**760**
2-Methylnaphthalene	µg/L	NS	210	330
Pentachlorophenol	µg/L	1	ND	ND
VOCs via EPA Method 8260				
Benzene	µg/L	1	**17 J**	**1000**
Toluene	µg/L	5	**620**	**3200**
Ethylbenzene	µg/L	5	**660**	**2400**
p/m-Xylene	µg/L	NS	3300	9200
o-Xylene	µg/L	NS	1500	3100
Xylenes, Total	µg/L	NS	4800	12000
1,2,3-Trichloropropane	µg/L	0.04	ND	ND
n-Butylbenzene	µg/L	5	**40 J**	**84 J**
sec-Butylbenzene	µg/L	5	ND	ND
tert-Butylbenzene	µg/L	5	ND	ND
Isopropylbenzene	µg/L	5	**65 J**	**160 J**
p-Isopropyltoluene	µg/L	NS	ND	ND
Naphthalene	µg/L	10	**520**	**1200**
n-Propylbenzene	µg/L	5	**160**	**390**
1,3,5-Trimethylbenzene	µg/L	5	**360**	**840**
1,2,4-Trimethylbenzene	µg/L	5	**1300**	**3000**
p-Ethyltoluene	µg/L	NS	950	2200
1,2,4,5-Tetramethylbenzene	µg/L	NS	90	190 J
Total Lead via EPA Method 6010				
Total Lead	µg/L	25	**54.88**	6.73

Notes:

µg/L	micrograms per liter
J	esitmated concentration
ND	non detect
NA	not analyzed
NS	No Standard
Bold	Result exceeds applicable Comparision Value

Comparision Values:
NYSDEC GWQS: New York State Department of Conservation Groundwater Quality Standards

APPENDIX A

Historical Environmental Assessment Reports

- **November 2014 Phase I ESA (Partner)**
- **April 2015 Limited Phase II Subsurface Investigation Report (Partner)**

PARTNER

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

112 West 25th Street
New York, NY 10001

November 7, 2014
Partner Project No. 14-129276.1

Prepared for:

Shanghai Commercial Bank
125 East 56th Street
New York, NY 10022

PARTNER

November 7, 2014

Mr. Joseph Lau
Shanghai Commercial Bank
125 East 56th Street
New York, NY 10022

Subject: Phase I Environmental Site Assessment
112 West 25th Street
New York, NY 10001
Partner Project No. 14-129276.1

Dear Mr. Lau:

Partner Assessment Corporation (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in general conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (646) 683-8537.

Sincerely,

Sarah M. Fonseca
National Client Manager

EXECUTIVE SUMMARY

Partner Assessment Corporation (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Shanghai Commercial Bank for the property located at 112 West 25th Street in the City of New York, New York County, New York (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Shanghai Commercial Bank with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the on the south side of West 25th Street and the north side of West 24th Street within a mixed commercial, industrial and residential area of New York County. Please refer to the table below for further description of the subject property:

Subject Property Data	
Address:	112 West 25th Street, New York, New York
Additional Addresses:	114-118 (even only) West 25th Street 113-117 (odd only) West 24th Street
Property Use:	Vacant
Land Acreage (Ac):	0.38 Ac
Number of Buildings:	One
Number of Floors:	Two-story plus cellar
Gross Building Area (SF):	46,857 SF (Total)
Date of Construction:	Prior to 1880
Assessor's Parcel Number (APN):	Block 800 Lot 49
Type of Construction:	Brick foundation / Concrete steel flooring / Steel framing / Flat roof
Current Tenants:	Currently Vacant
Site Assessment Performed By:	Ryan Reynics of Partner
Site Assessment Conducted On:	November 5, 2014

The subject property is currently occupied by a vacant commercial building which consists of a two-story 46,857 square foot building, with a cellar. Currently the subject property building is vacant; however, the most recent former operations included automotive repair, vehicle parking and a small office space. The subject property is predominantly covered by the subject buildings with no additional improvements.

According to available historical sources, the subject property was formerly developed as a candy and chocolate factory from approximately 1880 to 1911; an automotive repair facility from approximately 1927 to 2013; and, has been vacant since the beginning of 2014.

The immediately surrounding properties consist of commercial and multi-family residential to the north, across West 25th Street; a church, commercial property, and a hotel to the south across West 24th Street; and, mixed residential and commercial properties to the east and west, respectively.

Based on the urban development of the area, groundwater depth and flow below New York City can vary from the surface topography and is often erratic. However, according to information obtained from the United States Geological Survey (USGS), groundwater in the vicinity of the subject property is present at approximately 30 to 40 feet below ground surface (bgs) and flow to the southwest.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner reviewed a previous *Phase I ESA*, dated July 14, 2006, prepared by Merritt Engineering Consultants (MEC) and an *Environmental Subsurface Assessment Report*, dated August 16, 2006 prepared by Don Carlo Environmental Services, Inc (DCES). According to the Phase I ESA, underground storage tanks (USTs) and hydraulic lifts are present on the subject property; however, no closure documentation was available to determine regulatory closure was achieved. According to the review of historical documents, the subject property formerly utilized eight, 550-gallon gasoline USTs. These USTs were identified on Sanborn Fire Insurance Maps as early as 1930 in the northeast corner of the subject property. During site reconnaissance, Partner observed eight vent pipes which further indicates the presence of the USTs. A prior report indicates a subsurface investigation was performed on August 7, 2006. The subsurface investigation included the advancement of five borings in the vicinity of the UST basin. The prior report states the USTs were reportedly filled with sand at an unknown time. There is no mention regarding the confirmed closure of the USTs. Soil samples were collected and analyzed under EPA Method STARS 8021 for Volatile Organic Compounds (VOCs). Laboratory analysis of the soil samples did not identify soil impacts above laboratory reporting limits and the NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs). Although, the analytical results did not identify a release in 2006, it remains unknown if the USTs have been properly abandoned in place. In addition, the subject property is proposed to be demolished, excavated and redeveloped. As such, the USTs will need to be removed and sampling may be required during the removal process in order to confirm no releases have occurred. As such, the USTs at the subject property are considered a recognized environmental condition to the subject property.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to previous report reviewed identified as *Phase I Environmental Site Assessment* conducted by Merritt Engineering Consultants, P.C. dated July 14, 2006, an abandoned hydraulic lift was observed within the subject property building. Based on previous experience with hydraulic lifts, the quantity of hydraulic fluid used with this equipment is small. Based on the small quantity of hydraulic fluid used in connection with the operations of this equipment, the age of the equipment and the inferred depth to groundwater in the vicinity of the subject property, the presence of this equipment is not expected to represent a significant environmental concern. However, soil sampling may be required if the hydraulic lift is planned to be removed in the future.
- According to previous report reviewed identified as an *Asbestos Assessment* conducted by Environmental Consulting & Management Services Inc. dated October 10, 2013, a comprehensive survey was performed at the subject property of which materials identified as Built-up Roofing, North & South Parapet Walls, East & West Parapet Walls, and Stairwell Bulkhead Roof & Walls tested were identified as containing asbestos greater than one percent (> 1%).

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 112 West 25th Street in the City of New York, New York County, New York (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- The USTs should be removed during the redevelopment of the subject property. If warranted, soil and/or groundwater samples may be required by the regulatory agency. At the request of the

User, Partner can provide services, such as a camera scope, of the vent pipes to the USTs in order to determine if the USTs have been properly closed in place.

- An Asbestos Operations and Maintenance (O&M) program should be developed to manage the asbestos-containing materials found at the subject property. The intent of the O&M program is to minimize the potential exposure of building occupants to airborne asbestos fibers. These materials will have to be properly abated prior to any renovation, repairs and/or demolition of the buildings, in accordance with the Asbestos Hazard Emergency Response Act (AHERA - 40 CFR Part 763), the National Emission Standards for Hazardous Air Pollutants (NESHAP - 40 CFR 61, Subpart M), and all applicable local and state regulations.

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1.0 INTRODUCTION

Partner Assessment Corporation (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 112 West 25th Street in the City of New York, New York County, New York (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in general accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential

exposure to hazardous substances or petroleum products in the soil or groundwater on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Shanghai Commercial Bank engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Shanghai Commercial Bank. Either

verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this report was completed. A copy of Partner's standard Terms and Conditions can be found at http://www.partneresi.com/terms-and-conditions.php.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past or current owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner requested information relative to deed restrictions and environmental liens, a title search, and completion of a pre-survey questionnaire from the Report User. This information was not provided at the time of the assessment.
- Partner was not able to document the historical use of the subject property prior to 1880. The following sources were reviewed during the course of this assessment and found to be limited: aerial photographs were not available prior to 1924; city directories were not available prior to 1927; topographic maps prior to 1900; and fire insurance maps prior to 1880. This data failure is not considered critical and does not change the conclusions of this report.
- Partner was unable to determine the property use at 5-year intervals, which constitutes a data gap. Except for property tax files and recorded land title records, which were not considered to be sufficiently useful, Partner reviewed all standard historical sources and conducted appropriate interviews.
- Partner submitted Freedom of Information Act (FOIA) requests to the New York State Department of Environmental Conservation (NYSDEC), the New York City Fire Department (FDNY), the New

York City Department of Health (NYCDOH) and the New York City Department of Environmental Protection (NYCDEP) for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property. As of this writing, the aforementioned agencies have not responded to Partner's request. Based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment. If issues of an environmental concern are identified upon review of these documents, Partner will issue an addendum to this report.

Due to time constraints associated with this report, the Client has requested the report despite the above-listed limitations.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 112 West 25th Street in New York, New York is located on the south side of West 25th Street and the north side of West 24th Street. According to the online research, the subject property is legally described as Block 800 Lot 49, and ownership is currently vested in 112-118 West 25th LLC since 2013.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently a vacant commercial building which consists of a two-story, 46,857 square foot building, with a cellar. Currently, the subject property building is vacant; however, former operations included automotive repair, vehicle parking and a small office space. The subject property is predominantly covered by the subject buildings with no additional improvements.

The subject property is designated for commercial development by the City of New York.

The subject property was identified as an EDR US Historic Auto Station site in the regulatory database report, as further discussed in Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a mixed commercial and residential area of New York County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties	
North:	Commercial (119-125 West 25th Street; 115-117 West 25th Street) and multi-family residential (107-113 West 25th Street)
South:	Church (116 West 24th Street) commercial (112-114 West 24th Street) hotel (108 West 24th Street) and commercial (106 West 24th Street)
East:	Mixed residential and commercial (110 West 25th Street) and commercial (109-111 West 24th Street)
West:	Mixed residential and commercial (120 West 25th Street) and commercial (119-125 West 24th Street)

The adjacent properties were identified as AST, Historical AST, and Spills sites in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Brooklyn, New York* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 35 feet above mean sea level (MSL). The contour lines in the

area of the subject property indicate the area is sloping gently toward the southwest. The subject property is depicted on the 1995 map as shaded indicating dense urban development.

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

According to topographic map interpretation, the direction of groundwater in the vicinity of the subject property is inferred to flow toward the southwest. The nearest surface water in the vicinity of the subject property is the Hudson River located approximately 0.85 miles west of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the New York City Department of Environmental Conservation (NYCDEP) serves the subject property vicinity. According to a representative of the NYCDEP, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. The sources of public water for the City of New York are surface water from the Catskill/Delaware System, located in Delaware, Green Schoharie, Sullivan, and Ulster Counties; and the Croton System, located in Putnam, Westchester and Dutchess counties.

Based on the urban development of the area, groundwater depth and flow below New York City can vary from the surface topography and is often erratic. However, according to information obtained from the United States Geological Survey and topographic map interpretation, groundwater in the vicinity of the subject property is present at approximately 30 to 40 feet below ground surface (bgs).

2.4.3 Geology/Soils

According to the New York State Geological Survey website, the bedrock at the Property is Precambrian in age, approximately one billion years old, and consists of gneiss and schists that are a part of the Manhattan Prong, a portion of the Appalachian Piedmont. The older of the Manhattan Prong sequence found in central Manhattan is the Manhattan Schist, which is overlain by the Hartland Formation, a granulite. Both units are of very high metamorphic grade having been metamorphosed at a great depth in the earth's crust and later thrust to the surface during the Appalachian mountain building episode, about 350 million years ago.

During the last glacial period, ending about 12,000 to 15,000 years ago and termed the Wisconsin, a mantling of glacial drift was deposited over the older bedrock. In places the glacial deposits are unsorted till characterized by boulder to pebble-sized rocks erratically intermixed with a clay matrix, but elsewhere the deposits are sorted and stratified sand and gravel, the result of glacial outwash.

Soils in the vicinity of the Property are classified as Urban Land. Urban Land complex are those soils in which the soil's original structure and content have been so altered by human activities it has lost its original characteristics and is thus unidentifiable. Urban soils consist of nearly level to moderately steep areas where the soils have been altered or obscured by urban works and structures. Buildings and pavement cover more than 85 percent of the surface. Included in this unit in mapping are many small areas where the original soil material has been disturbed by construction and areas where fill has been

added. Also included are small areas of undisturbed soils. The soil properties and characteristics of this unit vary. Onsite investigation is needed to determine the suitability for specific uses and the limitations affecting those uses.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 3604970201F, dated September 5, 2007, the subject property appears to be located in Zone X, an area located outside of the 100-year and 500-year flood plains.

A copy of the reviewed flood map is not included in Appendix B of this report.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information		
Period/Date	**Source**	**Description/Use**
1880-1911	Sanborn Maps, Topographic Maps	Food Production (Candy and Chocolate Factory)
1927-2013	Aerial Photographs, Building Records, City Directories, Interviews, Onsite Observations, Sanborn Maps, Topographic Maps, Prior Reports	Automotive Repair
2013—Present	Interviews, Onsite Observations	Vacant

Tenants on the subject property include a candy and chocolate factory (1880-1911); automotive repair (1927-2013); and, vacant (Present). Potential environmental concerns were identified in association with the current or former use of the subject property, as further discussed in Section 5.2.6.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources, Inc. (EDR) on November 4, 2014. The following observations were noted to be visible on the subject property and adjacent properties during the aerial photograph review:

Date: 1924-2011	*Scale: 1"=500'/1,000'*
Subject Property:	Appears to be developed with the current structure and configuration
North:	Appears to be developed with the current structures and configuration across West 25th Street
South:	Appears to be developed with the current structures and configuration across West 24th Street
East:	Appears to be developed with the current structure and configuration
West:	Appears to be developed with the current structure and configuration

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Partner reviewed the collection of Sanborn Fire insurance maps from EDR on November 4, 2014. The following observations were noted to be depicted on the subject property and adjacent properties during the fire insurance map review:

Date: 1880 and 1899	
Subject Property:	Depicted as developed with several three- to five-story structures identified as a chocolate and candy manufacturer (112-118 West 25th Street and 113-117 West 24th Street)
North:	Depicted as developed with several structures across West 25th Street (111-119 West 25th Street)
South:	Depicted as developed with a four-story music hall (108-110 West 24th Street), a

Date:	***1880 and 1899***
	ten-story store (112-114 West 24th Street), and a four-story school (116 West 24th Street) across West 24th Street
East:	Depicted as developed with a three-story dwelling (108-110 West 25th Street) and a three-story nondescript building (111 West 24th Street)
West:	Depicted as developed with a five-story building with a basement (120 West 25th Street) and a four-story nondescript building (119 West 24th Street)

Date:	***1911***
Subject Property:	No significant structural changes depicted; the subject property is depicted as having a basement, identified as a candy and chocolate factory and identified as having two dwellings (113 & 115 West 24th Street)
North:	Depicted as developed with a six-story mixed use building with a basement (107-113 West 25th Street), a three-story mixed use building with a basement (115 West 25th Street), a two-story veterinary hospital (117 West 25th Street), and an eleven-story mixed use building with a basement (119-125 West 25th Street)
South:	Depicted as developed with a four-story furniture store with a basement (108-110 West 24th Street), a sixteen-story mixed use building with a basement, and a four-story school (116 West 24th Street)
East:	Depicted as developed with a three-story mixed use building (110 West 25th Street) and a seven-story furniture store with a basement (109-111 West 24th Street)
West:	Depicted as developed with a five-story mixed use building with a basement (120 West 25th Street) and four-story mixed use building with a basement at West 24th Street

Date:	***1930 and 1950***
Subject Property:	Depicted as developed with the current building and configuration; the building is depicted as having eight, 550-gallon gasoline USTs (112-118 West 25th Street; 113-117 West 24th Street)
North:	No significant structural changes; the building at 117 West 25th Street is depicted as a mixed use
South:	No significant structural changes;
East:	No significant structural changes; the building at 109-111 West 24th Street is depicted as mixed use
West:	No significant changes along West 25th Street; depicted as developed with a twelve-story mixed use building with a basement (119-125 West 24th Street)

Date:	***1976-2001***
Subject Property:	No significant changes depicted
North:	No significant changes depicted
South:	No significant changes depicted; undeveloped at 110 West 24th Street
East:	No significant changes depicted
West:	No significant changes depicted

Date:	***2002-2005***

Date: 1976-2001	
Subject Property:	No significant changes depicted
North:	No significant changes depicted
South:	No significant changes depicted; depicted as developed with a nineteen-story hotel at 110 West 24th Street
East:	No significant changes depicted
West:	No significant changes depicted

Copies of reviewed Sanborn Maps are included in Appendix B of this report.

3.3 City Directories

Partner reviewed historical city directories obtained from EDR on November 3, 2014 for past names and businesses that were listed for the subject property and adjacent properties. The findings are presented in the following table:

City Directory Search for 112 West 25th Street (Subject Property)	
Year(s)	**Occupant Listed**
1927	El Bee Garage Inc (112 West 25th Street)
1934	El Bee Garage Inc (112 West 25th Street)
1938	Madison Garage Inc (112 West 25th Street)
1942	Madison Garage Inc (112 West 25th Street)
1947	Moes Super Garage (112 West 25th Street)
1950	Super Garage Inc (112 West 25th Street)
1956	Ace Garage Co (112 West 25th Street)
1958	Ace Garage Co (112 West 25th Street)
1963	Ace Garage Co (112 West 25th Street)
1968	Ace Garage Co, Berry Johnnie Inc Exp & Trucking, Holiday Drive Ur Self Inc (112 West 25th Street)
1973	Ace Garage Co, Holiday Drive Ur Self Inc (112 West 25th Street)
1978	Ace Garage Co, Holiday Drive Ur Self Inc (112 West 25th Street)
1983	A-One parking Corp, Ace Garage, All City Fire Extinguisher Co, Holiday Drive Ur Self Inc (112 West 25th Street)
1988	Ace Garage Co, Holiday Drive Ur Self Inc, Square Industries, Square Plus Operation Corp (112 West 25th Street)
1993	Square Industries (112 West 25th Street)
1998	Jamies Auto Body, W 25th Street parking Corp (112 West 25th Street)
2000	Jamies Auto Body, W 25th Street parking Corp (112 West 25th Street)
2006	I R parking Inc, Jamies Auto Body (112 West 25th Street)
2008	Ace Garage Inc, I R Parking, Jamies Auto Body (112 West 25th Street)
2013	I R Parking Incorporated, NY Towing & Auto Repair (112 West 25th Street)

According to the city directory review, the subject property has been occupied by several auto garage and auto repair facilities since at least 1927 as further discussed in Section 5.2.6.

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
1920	North: Multiple commercial tenants (107 West 25th Street)

City Directory Search for Adjacent Properties

Year(s)	Occupant Listed
	East: Multiple commercial tenants (108-110 West 25th Street)
1923	North: Multiple commercial tenants (107 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
1927	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
1934	East: Multiple commercial tenants (108-110 West 25th Street)
1938	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1942	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1947	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1950	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1956	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1958	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1963	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1968	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1973	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1978	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
1983	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial and residential tenants (120 West 25th Street)
1988	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial and residential tenants (120 West 25th Street)
1993	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
	West: Multiple commercial tenants (120 West 25th Street)
1998	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
2000	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
2006	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial and residential tenants (108-110 West 25th Street)
	West: Multiple commercial and residential tenants (120 West 25th Street)
2008	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
2013	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)

According to the city directory review, the adjacent properties have been occupied by various commercial, residential and industrial tenants, including sewing machine, printing, die cutting, photography and clothing tenants. Based on the lack of open releases, and hazardous materials listing in the regulatory database, these adjacent properties are not expected to represent a significant environmental concern to the subject property.

Copies of reviewed city directories are included in Appendix B of this report.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from EDR on November 3, 2014. The following observations were noted to be depicted on the subject property and adjacent properties during the topographic map review:

Date:	*1900-1947*
Subject Property:	Depicted as developed
North:	Depicted as developed across West 25th Street
South:	Depicted as developed across West 24th Street
East:	Depicted as developed
West:	Depicted as developed

Date:	*1956-1995*
Subject Property:	Depicted as shaded indicating dense urban development
North:	Depicted as shaded indicating dense urban development across West 25th Street
South:	Depicted as shaded indicating dense urban development across West 24th Street
East:	Depicted as shaded indicating dense urban development
West:	Depicted as shaded indicating dense urban development

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 State Department

Regulatory Agency Data	
Name of Agency:	New York State Department of Environmental Conservation (NYSDEC)
Point of Contact:	NYSDEC
Agency Address:	47-40 21st Street, Long Island City, New York
Agency Phone Number:	(718) 482-4900
Date of Contact:	November 3, 2014
Method of Communication:	Email
Summary of Communication:	As of the date of this report, Partner has not received a response from the NYSDEC for inclusion in this report. Partner reviewed available records online from the Petroleum Bulk Storage (PBS) database, Spills Incidents database, and Remedial Site database. No records were identified for the subject property.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.2 Health Department

Regulatory Agency Data	
Name of Agency:	New York City Department of Health and Mental Hygiene (NYCDOH)
Point of Contact:	Records Access Officer
Agency Address:	125 Worth Street, New York, New York
Agency Phone Number:	(646) 632-6006
Date of Contact:	November 3, 2014
Method of Communication:	Faxed Request
Summary of Communication:	As of the date of this report, Partner has not received a response from the NYCDOH for inclusion in this report.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.3 Fire Department

Regulatory Agency Data	
Name of Agency:	New York City Fire Department (FDNY)
Point of Contact:	Public Records Unit/Tanks Section
Agency Address:	9 MetroTech Center, Brooklyn NY 11201
Agency Phone Number:	(718) 999-2441
Date of Contact:	November 3, 2014
Method of Communication:	Mailed Request
Summary of Communication:	As of the date of this report, Partner has not received a response from the FDNY for inclusion in this report.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.4 Building Department

Regulatory Agency Data	
Name of Agency:	New York City Building Department (NYCDOB)
Point of Contact:	Online
Agency Address:	N/A
Agency Phone Number:	N/A
Date of Contact:	November 5, 2014
Method of Communication:	Online
Summary of Communication:	Records were available for review, as further discussed in the following table.

Building Records Reviewed for 112 West 25th Street (Subject Property)		
Year(s)	**Permit Numbers**	**Description**
1990	100124740-01-AL	Replace existing steel support brick arch with new reinforced concrete slab and repair sidewalk
1991	100760829-01-EW OT	Alteration – General Construction
1995	100815931-01-AL	Alteration – no work to be performed
1996	100815931-02-PL	Alteration – Plumbing
1996	101078209-01-EW OT	Alteration – sign support
1996	101078218-01-SG	Sign
1996	101311457-01-AL	Alteration – General Construction
1997	101434137-01-EW OT	Alteration - Partitions, create new electric meter enclosure
1999	102201555-01-EW OT	Alteration – structural / Conc
2001	102594694-01-SG	Sign
2001	102594701-01-SG	Sign
2001	102594710-01-SG	Sign
2001	102594729-01-SG	Sign
2006	104273126-01-EQ SH	Alteration- construction equipment – sidewalk shed
2006	104323475-01-EW OT	Alteration – Proposed structural repairs, roof waterproofing, and replacement of fireproofing
2006	104323475-01-EQ FN	Alteration- construction equipment - Fence
2006	104511672-01-EQ SF	Alteration- construction equipment - Scaffold
2012	120622718-01-SG	Sign
2014	140182567-01-EQ SH	Alteration- construction equipment
2014	140188080-01-EQ SF	Alteration- construction equipment

A copy of pertinent documents is not included in Appendix B of this report.

4.1.5 Planning Department

Regulatory Agency Data	
Name of Agency:	New York City Open Accessible Space Information System (OASIS)
Point of Contact:	Online property information
Agency Address:	N/A
Agency Phone Number:	N/A
Date of Contact:	November 5, 2014
Method of Communication:	Online review

Regulatory Agency Data	
Summary of Communication:	According to records reviewed, the subject property is zoned M1-6 for commercial development by the City of New York.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.6 Assessor's Office

Regulatory Agency Data	
Name of Agency:	New York City Department of Finance (NYCDOF)
Point of Contact:	Automated City Register Information System (ACRIS) online
Agency Address:	N/A
Agency Phone Number:	N/A
Date of Contact:	November 5, 2014
Method of Communication:	Online review
Summary of Communication:	According to records reviewed, the subject property is identified by Block 800 Lots 49. Ownership is currently vested in 112-118 West 25th LLC since 2013.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.7 City Department of Environmental Protection

Regulatory Agency Data	
Name of Agency:	New York City Department of Environmental Protection (NYCDEP)
Point of Contact:	Records Officer
Agency Address:	59-17 Junction Boulevard, 19th Floor, Flushing NY 11373
Agency Phone Number:	(718) 595-6543
Date of Contact:	November 3, 2014
Method of Communication:	Faxed Request
Summary of Communication:	As of the date of this report, Partner has not received a response from the NYCDEP for inclusion in this report.

A copy of pertinent documents is not included in Appendix B of this report.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by EDR. Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	N	N	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site	0.50	N	N	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	N	**Y**	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.50	N	**Y**	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
EDR MGP	Varies	N	N	N
EDR US Hist Auto Station	Varies	**Y**	N	N
EDR US Hist Cleaners	Varies	N	N	N

4.2.2 Subject Property Listings

The subject property is identified as an EDR US Historical Auto Station site in the regulatory database report, as discussed below:

- The subject property, at 112 West 25th Street, is identified as a EDR US Historical Auto Station for the tenants identified as Jamie's Auto Body from 1999 to 2008 and NY Towing and Auto Repair in 2011 and 2012. Although hazardous substances and petroleum products were likely associated with the former auto repair operations conducted on the subject property, no evidence of improper storage or handling of these materials was reported to the local regulatory agencies. No evidence of a release was observed during the site reconnaissance. The subject property is not listed for any spills or releases in connection with the use or handling of these materials. During site reconnaissance, Partner observed evidence of eight USTs and eight hydraulic lifts at the subject property. Reportedly, the USTs have been abandoned in place (filled with sand); however, no documentation is available. A prior Phase I ESA and Phase II ESA were performed at the subject property in 2006 in regards to the UST and is further discussed in Section 5.2.6.

4.2.3 Adjacent Property Listings

The adjacent property to the east is identified as an AST site in the regulatory database report, as discussed below:

- The property, identified as Condominium Assoc. at 108 West 25 Street, is located adjacent to the east of the subject property, hydrologically up-gradient. This site reportedly operates a 4,000-gallon #6 Fuel Oil AST (PBS: 2-406848) which was installed December 1, 1973. According to the regulatory database, the tank type is steel/carbon and steel/iron, and equipped with a product level gauge, suction dispenser, and is in a subterranean vault with access for inspections. Based on the location of the tank, and lack of documented releases, this listing is not expected to represent a significant environmental concern.

The adjacent property to the north is identified as an AST and Historical AST site in the regulatory database report, as discussed below:

- The property, identified at 119 W 25th Street, is located adjacent to the north of the subject property, hydrologically cross-gradient. This site reportedly operated a 6,000-gallon #2 Fuel Oil AST (PBS: 2-24389) which was reportedly closed prior to March 1991. According to the regulatory database, the tank type is steel/carbon and steel/iron, and equipped with a product level gauge, suction dispenser, and was in a subterranean vault with access for inspections. Based on the location of the tank, and lack of documented releases, this listing is not expected to represent a significant environmental concern.

The adjacent property to the west is identified as a Spills, AST, and Historical AST site in the regulatory database report, as discussed below:

- The property, identified at 119 West 24th Street, is located adjacent to the west of the subject property, hydrologically down-gradient. This site reported a release (Spill # 8800769) of PCB Oil on March 7, 1988, which reportedly impacted soil. The release was reported to the NYSDEC. According to the regulatory database report, "S&W came up with PCB elevated concentration of contaminated debris upon disposal. Material removed and report given to BECI unit. New tank system installed." The responsible party is identified as F&M Ring, and regulatory closure was obtained on December 29, 1988.

  Additionally, this site reportedly operates a 5,000-gallon #2 Fuel Oil AST (PBS: 2-270121) which has an unknown installation date. According to the regulatory database, the tank type is steel/carbon steel/iron, and equipped with interstitial-electronic monitoring a vent whistle, suction dispenser, and is in contact with soil. Based on the current regulatory status, responsible party identified, and inferred direction of groundwater flow, these listing is not expected to represent a significant environmental concern.

The adjacent property to the north is identified as an AST and Historical AST site in the regulatory database report, as discussed below:

- The property, identified at 107 West 25th Street, is located adjacent to the north of the subject property, hydrologically up-gradient. This site reportedly operated a 3,000-gallon #2 Fuel Oil AST (PBS: 2- 601322) which was installed March 31, 1982. According to the regulatory database, the tank type is steel/carbon steel/iron, and equipped with a product level gauge, suction dispenser, and is in contact with soil. Based on the location of the tank, and lack of documented releases, this listing is not expected to represent a significant environmental concern.

The adjacent property to the east is identified as an AST and Historical AST site in the regulatory database report, as discussed below:

- The property, identified at 109-111 West 25th Street, is located adjacent to the east of the subject property, hydrologically up-gradient. This site reportedly operated a 2,000-gallon #2 Fuel Oil AST (PBS: 2- 606066) which was installed January 1, 1971. According to the regulatory database, the tank type is steel/carbon steel/iron, and equipped with a product level gauge, suction dispenser, and is in a subterranean vault with access for inspections. Based on the location of the tank, and lack of documented releases, this listing is not expected to represent a significant environmental concern.

The adjacent property to the south is identified as a Spills site in the regulatory database report, as discussed below:

- The property, identified as Construction Site at 110 West 24th Street, is located adjacent to the south of the subject property, hydrologically down-gradient. This site reported a release (Spill # 0105588) of Unknown Petroleum on August 15, 2001, which reportedly impacted soil. The release was reported to the New York State Department of Environmental Conservation (NYSDEC). According to the regulatory database report, "S&W came up with PCB elevated concentration of contaminated debris upon disposal. Material removed and report given to BECI unit. New tank system installed." The responsible party is identified as F&M Ring, and regulatory closure was obtained on September 8, 2003. Based on the current regulatory status, responsible party identified, and inferred direction of groundwater flow, these listing is not expected to represent a significant environmental concern.

4.2.4 Sites of Concern Listings

No sites of concern are identified in the regulatory database report.

4.2.5 Orphan Listings

A total of twenty-five (25) orphan listings are identified in the regulatory database report, however, none were identified to be at the subject property or an adjacent property.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from Shanghai Commercial Bank (User of this report).

User Responsibilities				
Item	**Provided By User**	**Not Provided By User**	**Discussed Below**	**Does Not Apply**
Environmental Pre-Survey Questionnaire			**X**	
Title Records, Environmental Liens, and AULs			**X**	
Specialized Knowledge			**X**	
Actual Knowledge			**X**	
Valuation Reduction for Environmental Issues			**X**	
Identification of Key Site Manager	**Section 5.1.3**			
Reason for Performing Phase I ESA	**Section 1.1**			
Prior Environmental Reports		**X**		
Other		**X**		

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property since 2013, identified as 112-118 West 25th LLC, was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User. The information requested was not received prior to the issuance of this report. Because the Report User (Client) is a lender, it is understood that the Report User would not have knowledge of the property that would significantly impact our ability to satisfy the objectives of this assessment. The lack of this information is not considered to represent a significant data gap.

5.1.3 Interview with Key Site Manager

Mr. William Hunsberger, key site manager, indicated that he had no information pertaining to any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

According to Mr. Hunsberger, the subject property was historically used as a parking garage and gasoline filing station which utilized eight gasoline USTs, as further discussed in Section 5.2.6. Additionally, Mr. Hunsberger stated the subject property is slated to be demolished in the upcoming months and redeveloped with a thirty-eight story hotel. In preparation for demolition the subject property has been disconnected from electric and water utilities and the sewer connection is also planned to be disconnected. As part of the redevelopment of the property, Mr. Hunsberger stated that the site may need to be excavated in order to accommodate the new cellar and sub-cellar.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-13, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment. Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.3 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.4 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.5 Previous Reports and Other Provided Documentation

The following information was provided to Partner for review during the course of this assessment:

Phase I Environmental Site Assessment, Merritt Engineering Consultants, P.C. (July 14, 2006)

Merritt Engineering Consultants, P.C. (MEC) prepared this report in general accordance with ASTM Standard E1527-00. Pertinent information contained in this report is summarized below:

- At the time of the 2006 assessment, the subject property was occupied by a three-story commercial parking garage with a 290 car capacity.
- The basement houses the main utilities and heating for the site is via electric baseboard heaters located in the office area.
- MEC identified one abandoned hydraulic lift onsite. MEC stated if no documentation was provided on the abandonment further evaluation of the lift is necessary.
- MEC indicated during the inspection of the basement area that no access to the boiler room vault was available and additional investigation is necessary.
- MEC identified the presence of eight 550-gallon gasoline USTs under the basement floor. In addition, Sanborn Maps for the years 1930-1996 identify the presence of the eight gasoline tanks buried onsite. No documentation of the abandonment of the USTs was provided and a subsurface investigation was recommended.

Environmental Subsurface Assessment Report, Don Carlo Environmental Services, Inc (August 16, 2006)

Don Carlo Environmental Services, Inc (DCES) prepared this report in general accordance with ASTM Practice E 1903 and NYDEC SPOTS Memo 14. Pertinent information contained in this report is summarized below:

- Investigative activities were conducted for assessing the subsurface quality of the soils surrounding the eight, 550-gallon USTs were previously abandoned in place with sand by others. However, no documentation was available in order to confirm the abandonment.
- DCES advanced five borings (B1-B5) on within the south and west perimeters of the tank area on the subject property. Five soil samples (B1-S1 and B5-S1) collected from the terminus of the boring and were analyzed under EPA Methods STARS 8021 for Volatile Organic Compounds.
- Laboratory analysis of the soil samples did not identify impacts above the laboratory reporting limits or the NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs).

Asbestos Assessment, Environmental Consulting & Management Services Inc. (October 10, 2013)

Environmental Consulting & Management Services Inc. prepared this report in response to upcoming planned demolition activities and as such, in accordance with The New York State Department of Labor and New York City DEP along with OSHA and EPA requirements, the property or areas scheduled to undergo renovation/demolition must be completely inspected and all asbestos containing materials abated prior to demolition or any renovation activities that would damage any materials found to contain asbestos. Pertinent information is summarized below:

- The structure consisted of a four story parking garage. The floors consisted of mainly concrete and steel. A few exterior offices on the north side were identified as well. Throughout the building, the floors, walls and ceilings were concrete. On the third floor sheetrock was attached while on the lower floors the ceilings were exposed. Metals beams and columns were inconsistently fire-proofed with spray-applied fireproofing. No heating or mechanical spaces were found or identified and we were advised that none existed. The windows did not contain caulk.
- The following building materials were collected and analyzed: (Wall Plaster/Brown Coat; Ceiling tile (small offices); Flooring (small offices); Sheetrock Ceiling (Top Floor); Fire-proofing (sprayed on beams and cement); Roofing (built-up, flashing and parapet wall mastics throughout roof); and Mortar
- Following sample analysis, the following materials were sampled and identified as containing asbestos greater than one percent (> 1%): Built-up Roofing – Approximately 22,500 sq. ft; North & South Parapet Walls – Approximately 1,200 sq. ft.; East & West Parapet Walls – Approximately 1,500 sq. ft.; and S.E. Stairwell Bulkhead Roof & Walls – Approximately 400 sq. ft.
- Based upon the inspection, sample collection and subsequent analytical data following laboratory analysis, all materials found to be asbestos containing need to be abated by licensed asbestos abatement contractors prior to building demolition.

Copies of pertinent pages reviewed are included in Appendix B of this report.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data	
Site Assessment Performed By:	Ryan Reynics
Site Assessment Conducted On:	November 5, 2014

The table below provides the subject property personnel interviewed during the field reconnaissance:

Site Visit Personnel for 112 West 25th Street (Subject Property)			
Name	**Title/Role**	**Contact Number**	**Site Walk* Yes/No**
William Hunsberger	Key Site Manager	(212) 761-4764	Yes

* Accompanied Partner during the field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property

Environmental concerns were identified during the onsite reconnaissance related to current/former USTs are further discussed in Sections 6.1 and 6.2.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Partner observed the subject property to be a vacant parking garage and office at the time off assessment with no solid waste currently being generated. Additionally, no evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges on the subject property are directed into the municipal sanitary sewer system. The City of New York services the subject property vicinity. No wastewater treatment facilities or septic systems are observed or reported on the subject property.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property primarily by sheet flow action across the paved surfaces towards storm water drains located in the public right of way. The subject property is connected to a municipal owned and maintained sewer system.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Department of Agriculture; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

The heating system for subject property is electric baseboard heaters located in the office area.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater generated at the subject property is disposed by means of the sanitary sewer system. No industrial process is currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

Partner identified hazardous substances used, stored, and/or generated on the subject property as noted in the following table:

Hazardous Substances and/or Petroleum Products Noted Onsite				
Substance	**Container Size**	**Location**	**Nature of Use**	**Disposal Method**
Gasoline	8X 550-gallon USTs	Northeast Portion of Cellar	Gasoline Station	N/A
Paints	3X 5-gallon cans	Second Floor	Routine Maintenance	N/A

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

Partner observed eight vent pipes traversing the wall and extending though the roof of the subject property building. According to review of historical documentation the subject property formerly utilized eight, 550-gallon gasoline USTs. These USTs appear on Sanborn maps as early as 1930. According to the previous reports, discussed in Section 5.2.6, the USTs were reportedly abandoned in place; however, no documentation or regulatory information is available. Based on the planned redevelopment of the subject property, the USTs will need to be removed and sampling and additional sampling may be required.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified: 1) Less than 50 parts per million (ppm) of PCBs – "*Non-PCB;*" 2) 50 ppm-500 ppm – "*PCB-Contaminated;*" and, 3) Greater than 500 ppm – "*PCB-Containing.*" The manufacture, process, or distribution in commerce or use of any PCB in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

Partner observed one hydraulic elevator and eight (8) aboveground hydraulic lifts at the time of assessment. The hydraulic elevator equipment was observed to be located in the cellar and in good condition with no spills, leaks or staining. The aboveground hydraulic lifts were observed to be located in the northeast portion of the second floor in good condition with no spills, leaks or staining. Based on the good condition of the equipment, the elevator and lifts are not expected to represent a significant environmental concern.

Additionally, no other potential PCB-containing equipment (interior transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, balers, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The

Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

The subject property building was constructed in prior to 1880. Partner has conducted a limited, visual evaluation of accessible areas for the presence of suspect ACMs at the subject property. The objective of this visual survey was to note the presence and condition of suspect ACM observed. Please refer to the table below for identified suspect ACMs:

Suspect ACMs			
Suspect ACM	**Location**	**Friable Yes/No**	**Physical Condition**
Drywall Systems	Throughout Building Interior	No	Good
Floor Tiles	Throughout Building Interior	No	Good
Floor Tile Mastic	Throughout Building Interior	No	Good
Ceiling Tiles	Throughout Building Interior	Yes	Good
Roofing Materials	Roof	No	Good

**Please see section 5.2.2 for further information.*

The limited visual survey consisted of noting observable materials (materials which were readily accessible and visible during the course of the site reconnaissance) that are commonly known to potentially contain asbestos. This activity was not designed to discover all sources of suspect ACM, PACM, or asbestos at the site; or to comply with any regulations and/or laws relative to planned disturbance of building materials such as renovation or demolition, or any other regulatory purpose. Rather, it is intended to give the User an indication if significant (significant due to quantity, accessibility, or condition) potential sources of ACM or PACM are present at the subject property. Additional sampling, assessment, and evaluation will be warranted for any other use.

Partner was not provided building plans or specifications for review, which may have been useful in determining areas likely to have used ACM.

According to the US EPA, ACM and PACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition. Prior to any disturbance of the construction materials within this facility, a comprehensive ACM survey is recommended.

6.3.2 Lead-Based Paint (LBP)

Due to the commercial nature of use of the subject property, LBP was not considered within the scope of this assessment.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and

local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 3. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the New York City Department of Environmental Conservation (NYCDEP) serves the subject property vicinity. According to a representative of the NYCDEP, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. The sources of public water for the City of New York are surface water from the Catskill/Delaware System, located in Delaware, Green Schoharie, Sullivan, and Ulster counties; and the Croton System, located in Putnam, Westchester and Dutchess counties.

According to the City of New York and the 2013 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Partner observed accessible, interior areas for the subject property building for significant evidence of mold growth with the exceptions detailed in Section 1.5 of this report; however, this ESA should not be used as a mold survey or inspection. Additionally, this limited assessment was not designed to assess all areas of potential mold growth that may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) mold growth is present at the subject property. This evaluation did not include a review of pipe chases, mechanical systems, or areas behind enclosed walls and ceilings.

Partner observed the subject property to be vacant at the time of assessment. The overall interior of the condition of the subject was observed to be in fair condition with areas water damage and mold growth due to water infiltration from the roof.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises.

6.4.1 ASTs/USTs for Hazardous Substances or Petroleum Products

Partner observed the presence of a vent pipe at 119-125 West 24th Street as further discussed in Section 4.2.3.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner reviewed a previous *Phase I ESA*, dated July 14, 2006, prepared by Merritt Engineering Consultants (MEC) and an *Environmental Subsurface Assessment Report*, dated August 16, 2006 prepared by Don Carlo Environmental Services, Inc (DCES). According to the Phase I ESA, underground storage tanks (USTs) and hydraulic lifts are present on the subject property; however, no closure documentation was available to determine regulatory closure was achieved. According to the review of historical documents, the subject property formerly utilized eight, 550-gallon gasoline USTs. These USTs were identified on Sanborn Fire Insurance Maps as early as 1930 in the northeast corner of the subject property. During site reconnaissance, Partner observed eight vent pipes which further indicates the presence of the USTs. A prior report indicates a subsurface investigation was performed on August 7, 2006. The subsurface investigation included the advancement of five borings in the vicinity of the UST basin. The prior report states the USTs were reportedly filled with sand at an unknown time. There is no mention regarding the confirmed closure of the USTs. Soil samples were collected and analyzed under EPA Method STARS 8021 for Volatile Organic Compounds (VOCs). Laboratory analysis of the soil samples did not identify soil impacts above laboratory reporting limits and the NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs). Although, the analytical results did not identify a release in 2006, it remains unknown if the USTs have been properly abandoned in place. In addition, the subject property is proposed to be demolished, excavated and redeveloped. As such, the USTs will need to be removed and sampling may be required during the removal process in order to confirm no releases have occurred. As such, the USTs at the subject property are considered a recognized environmental condition to the subject property.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria

established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to previous report reviewed identified as *Phase I Environmental Site Assessment* conducted by Merritt Engineering Consultants, P.C. dated July 14, 2006, an abandoned hydraulic lift was observed within the subject property building. Based on previous experience with hydraulic lifts, the quantity of hydraulic fluid used with this equipment is small. Based on the small quantity of hydraulic fluid used in connection with the operations of this equipment, the age of the equipment and the inferred depth to groundwater in the vicinity of the subject property, the presence of this equipment is not expected to represent a significant environmental concern. However, soil sampling may be required if the hydraulic lift is planned to be removed in the future.
- According to previous report reviewed identified as an *Asbestos Assessment* conducted by Environmental Consulting & Management Services Inc. dated October 10, 2013, a comprehensive survey was performed at the subject property of which materials identified as Built-up Roofing, North & South Parapet Walls, East & West Parapet Walls, and Stairwell Bulkhead Roof & Walls tested were identified as containing asbestos greater than one percent (> 1%).

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 112 West 25th Street in the City of New York, New York County, New York (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- The USTs should be removed during the redevelopment of the subject property. If warranted, soil and/or groundwater samples may be required by the regulatory agency. At the request of the User, Partner can provide services, such as a camera scope, of the vent pipes to the USTs in order to determine if the USTs have been properly closed in place.
- An Asbestos Operations and Maintenance (O&M) program should be developed to manage the asbestos-containing materials found at the subject property. The intent of the O&M program is to minimize the potential exposure of building occupants to airborne asbestos fibers. These materials will have to be properly abated prior to any renovation, repairs and/or demolition of the

buildings, in accordance with the Asbestos Hazard Emergency Response Act (AHERA - 40 CFR Part 763), the National Emission Standards for Hazardous Air Pollutants (NESHAP - 40 CFR 61, Subpart M), and all applicable local and state regulations.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 112 West 25th Street in the City of New York, New York County, New York in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

Ryan Reynics
Environmental Scientist

Reviewed By:

Janet Annan
Senior Author

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13.

Environmental Data Resources (EDR), Radius Report, November 2014

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, November 2014

United States Department of Agriculture, Natural Resources Conservation Service, accessed via internet, November 2014

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, November 2014

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, November 2014

United States Geological Survey, accessed via the Internet, November 2014

United States Geological Survey Topographic Map 1995, 7.5 minute series, accessed via internet, November 2014

FIGURES

1 SITE LOCATION MAP

2 SITE PLAN

3 TOPOGRAPHIC MAP

PARTNER

FIGURE 1: SITE LOCATION MAP

Project No. 14-129276.1

Drawing Not To Scale

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PARTNER

KEY: Subject Site UST (UST)

GROUNDWATER FLOW

FIGURE 2: SITE PLAN

Project No. 14-129276.1

Drawing Not To Scale

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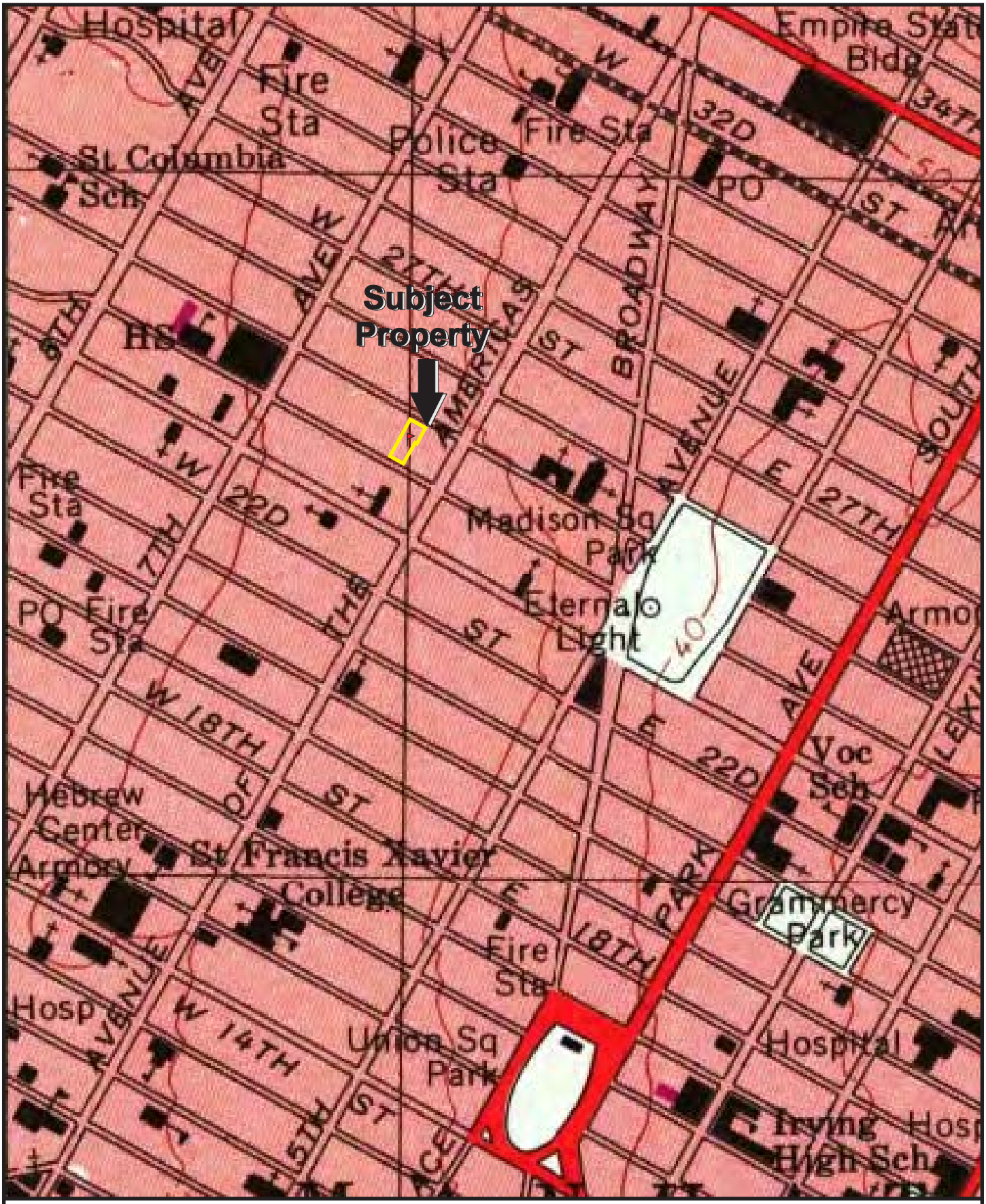
PARTNER



USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1995

FIGURE 3: TOPOGRAPHIC MAP

Project No. 14-129276.1

N

PARTNER

APPENDIX A: SITE PHOTOGRAPHS

PARTNER

1. View of subject property along West 25th Street.

2. View of subject property along West 24th Street.

3. View of subject property along West 25th Street.

4. View of gasoline UST vent pipes.

5. View of cellar level parking area.

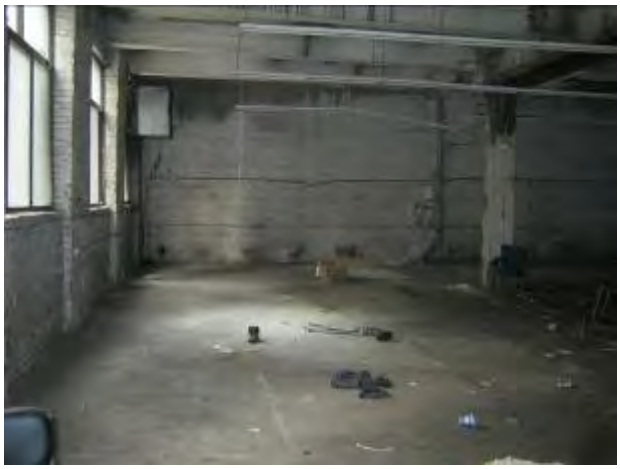
6.View of cellar level parking area.

7. View of electrical room on cellar level.

8. View of hydraulic elevator equipment on cellar level.

9. View of ramp to West 25th Street to the east of the location of the USTs.

10. View of typical bathroom.



11. View of first floor parking area.

12. View of presumed location of USTs under cellar level concrete floor in northeast portion of subject property.

13. View of ramp leading from West 25th Street to second floor parking area.

14. View of ramp leading from West 25th Street to second floor parking area.

15. View of paint storage in first floor office space.

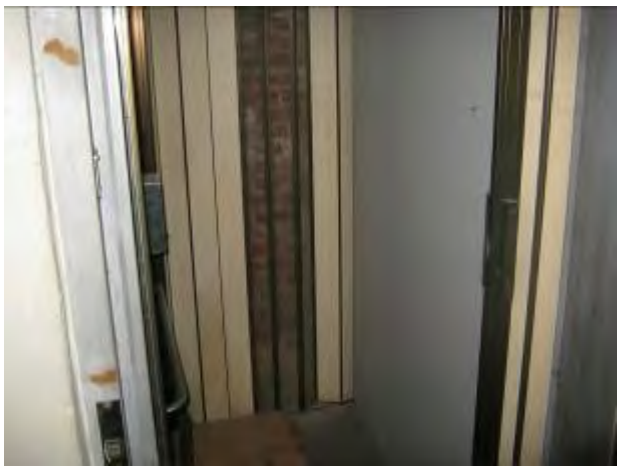
16. View of water damaged ceiling tiles in first floor office space.

17. View of second floor parking area.

18. View of hydraulic lifts (8) on second floor parking area.

19. View of vent pipes leading to roof.

20. View of brick façade leading to roof.



21. View inside hydraulic elevator cab.

22. View of cellar level parking area.

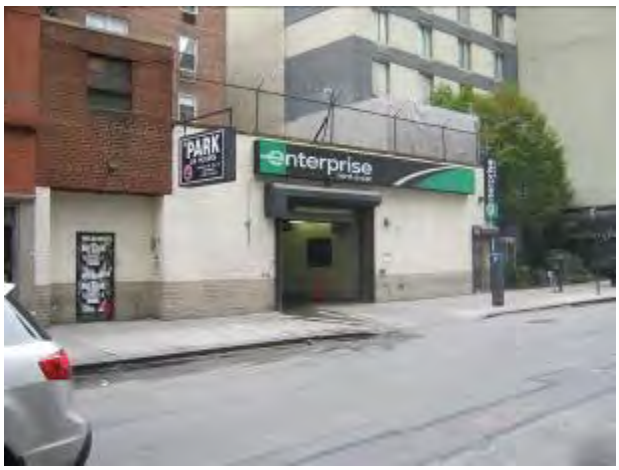
23. View of second floor parking area.

24. View to the east of adjacent property fire escapes.

25. View of northern adjacent properties.

26. View of south adjacent properties.

27. View of western adjacent property.



28. View of south adjacent properties.

29. View of eastern adjacent property.

30. View of western adjacent property.

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

PARTNER

Date: 1924

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER

Date: 1943

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

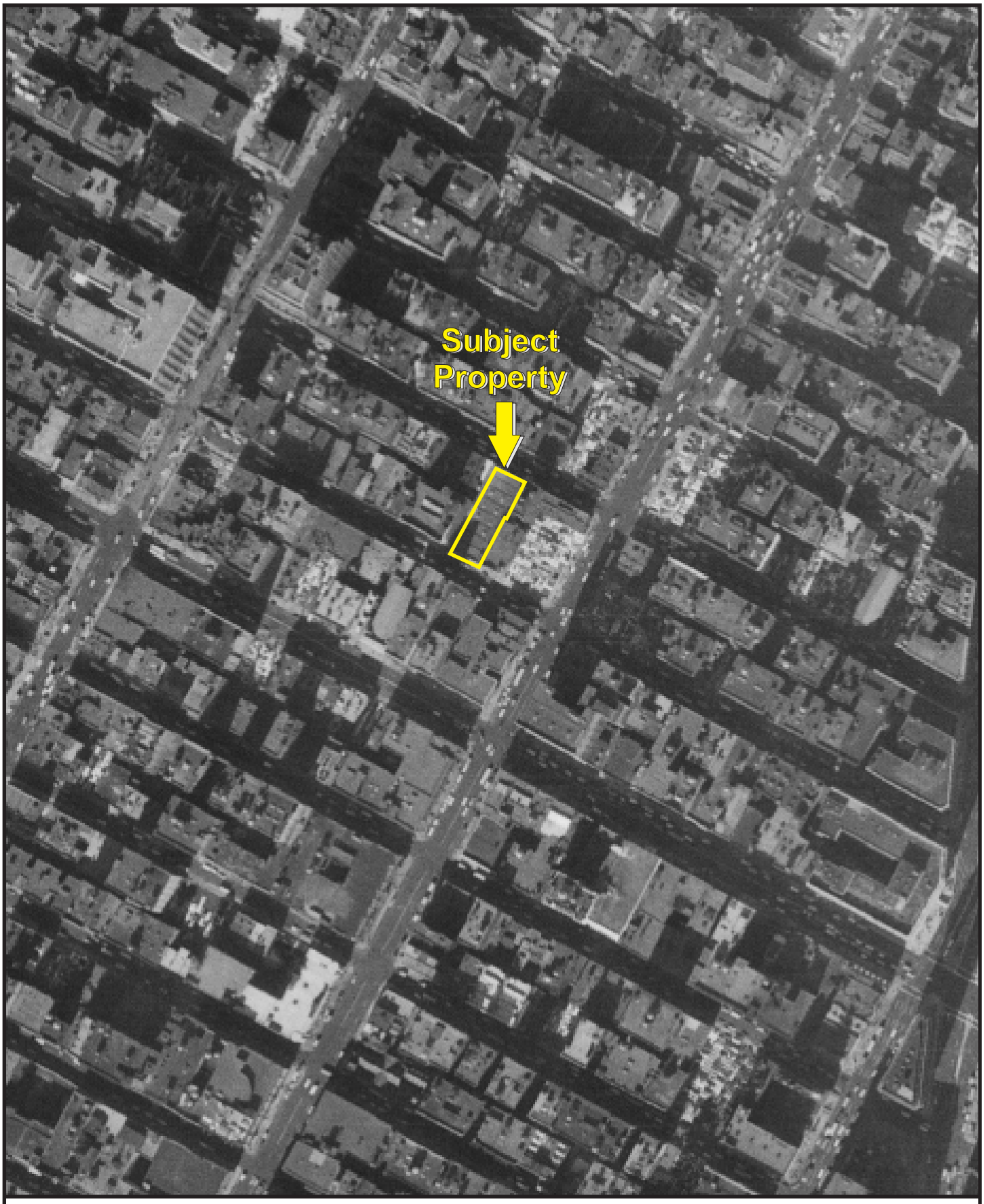
PARTNER

Date: 1954

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER



Date: 1966

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER

Date: 1974

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER

Date: 1984

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER

Date: 2006

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

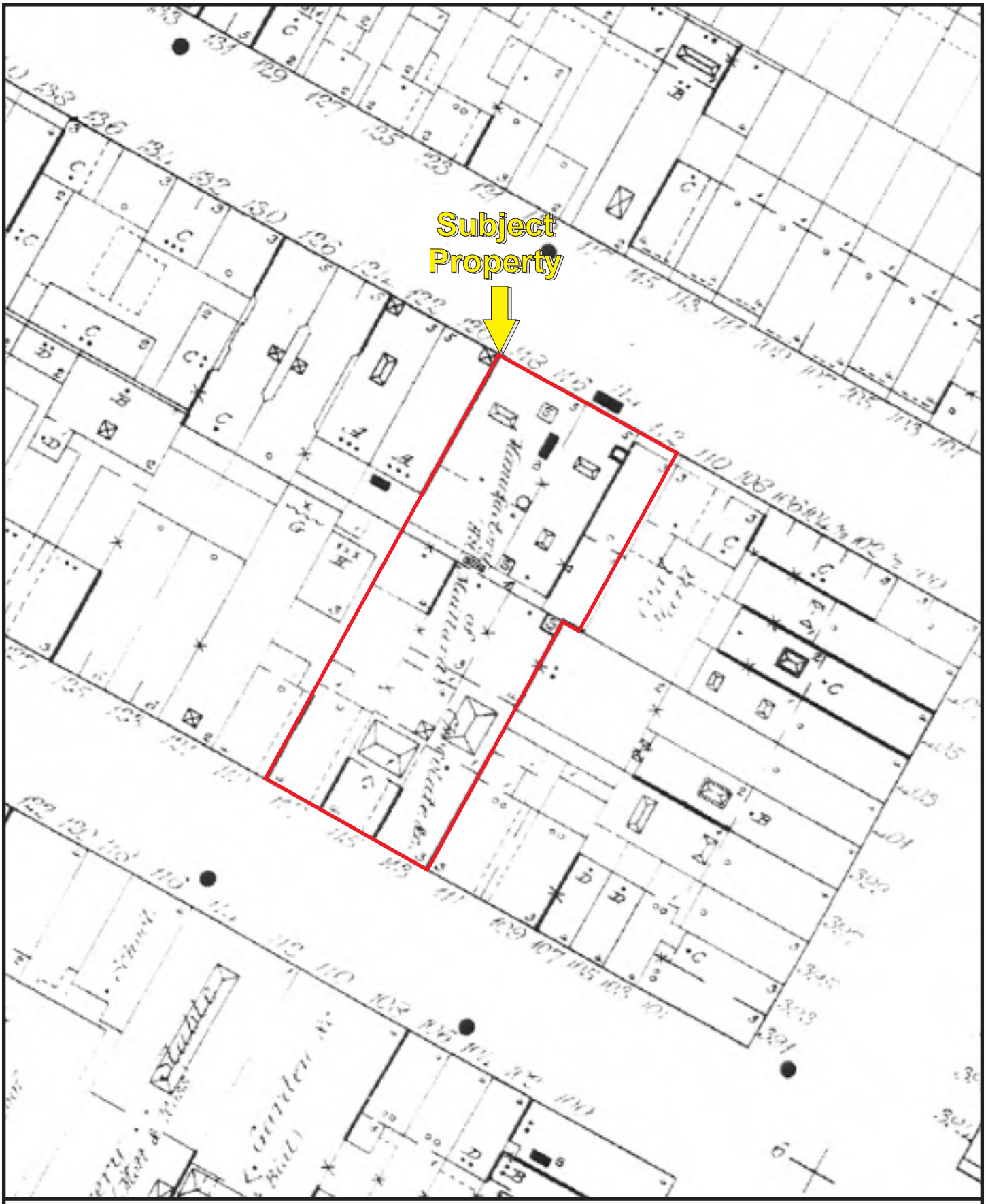
PARTNER

Date: 2011

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER



Date: 1890

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

Date: 1899

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

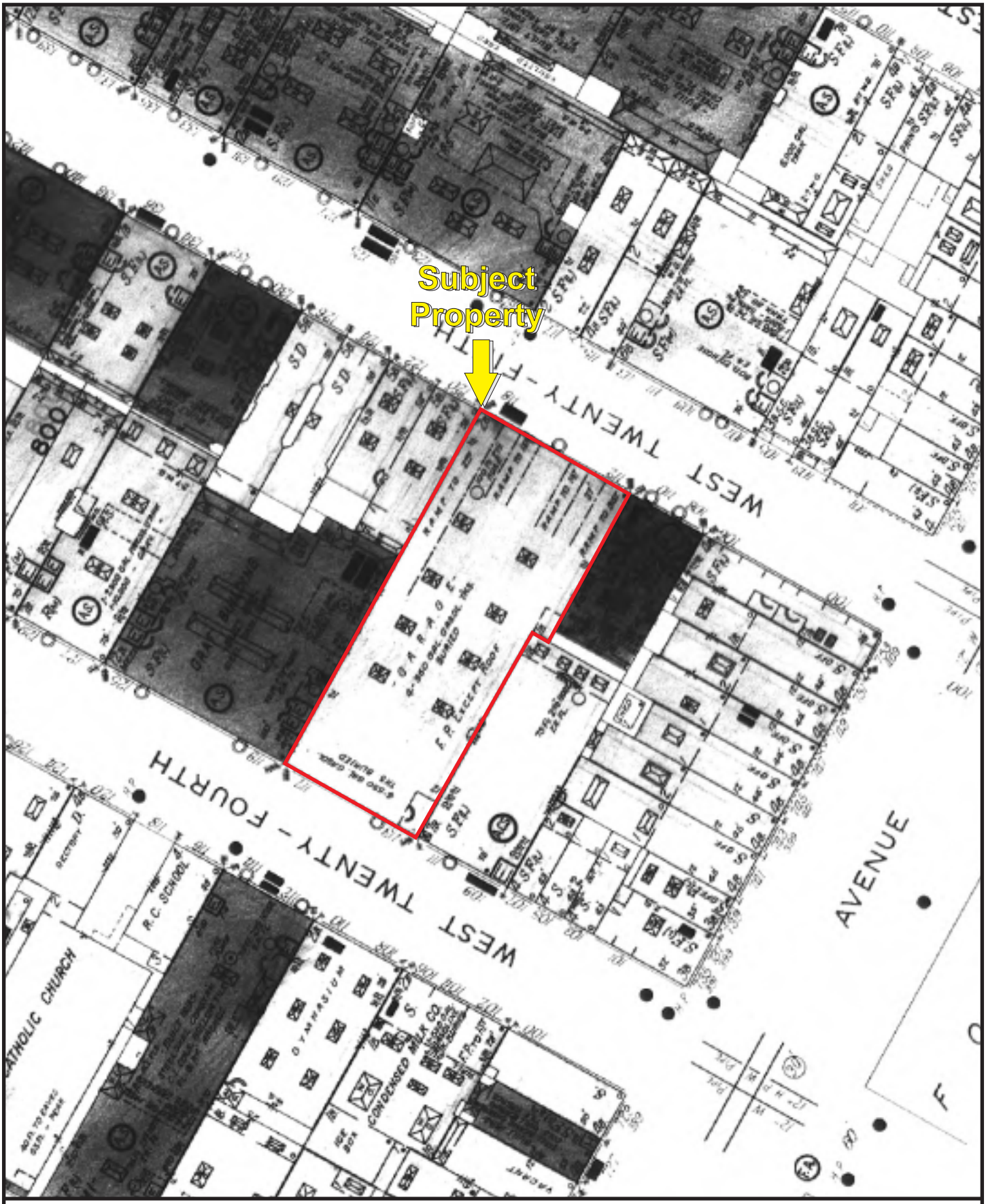
PARTNER

Date: 1911

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER



Date: 1930

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

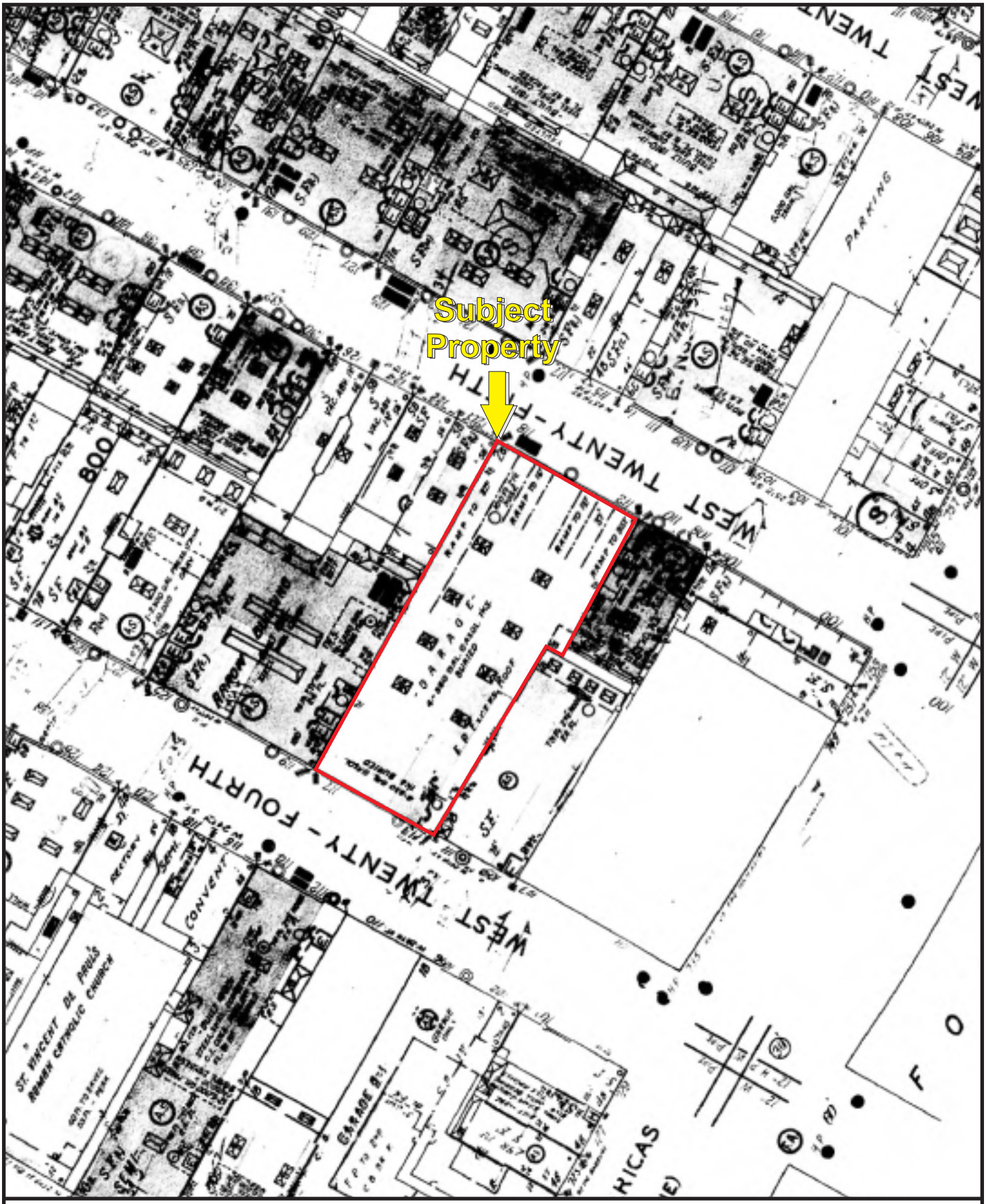
PARTNER

Date: 1950

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

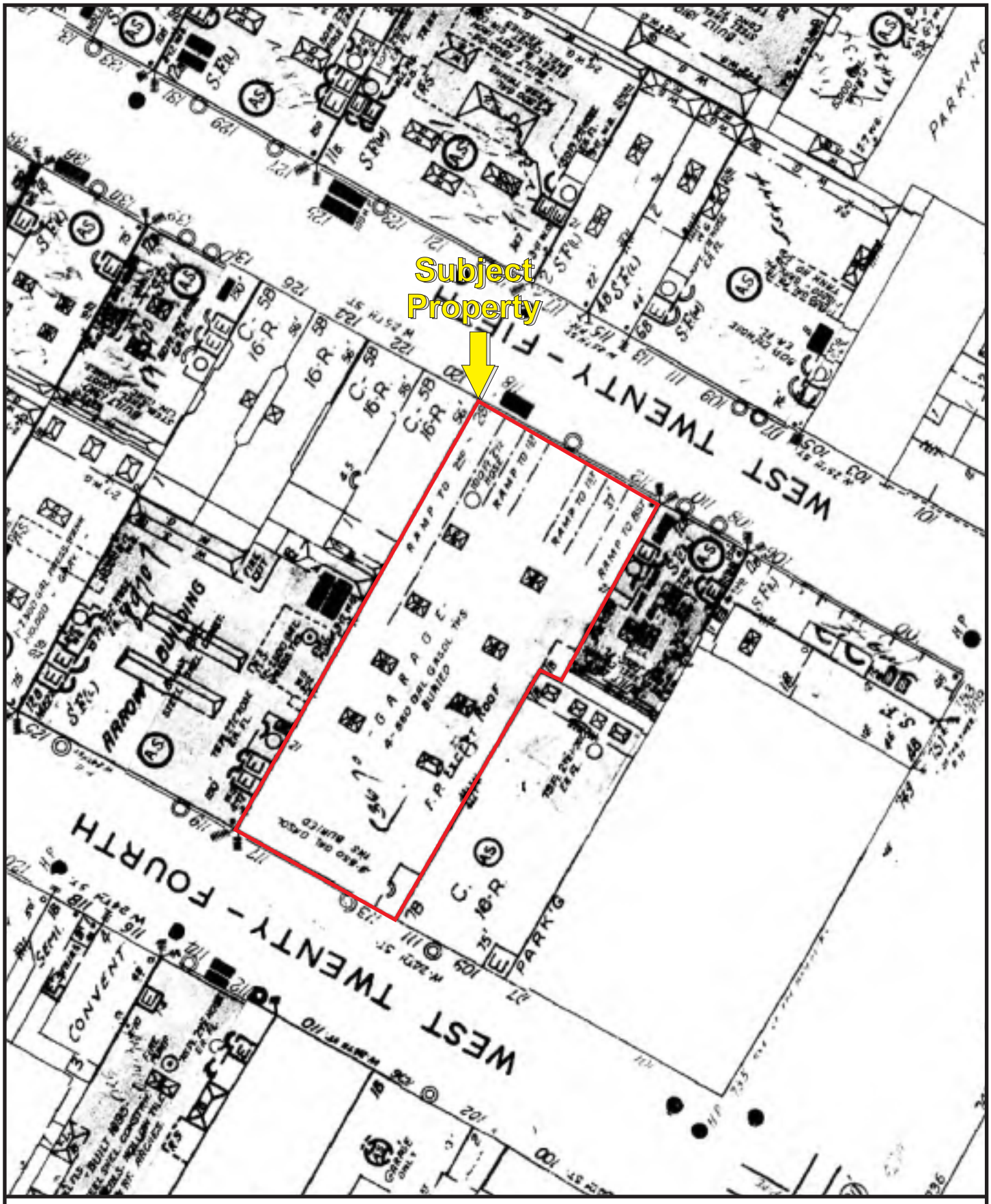


Date: 1976

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

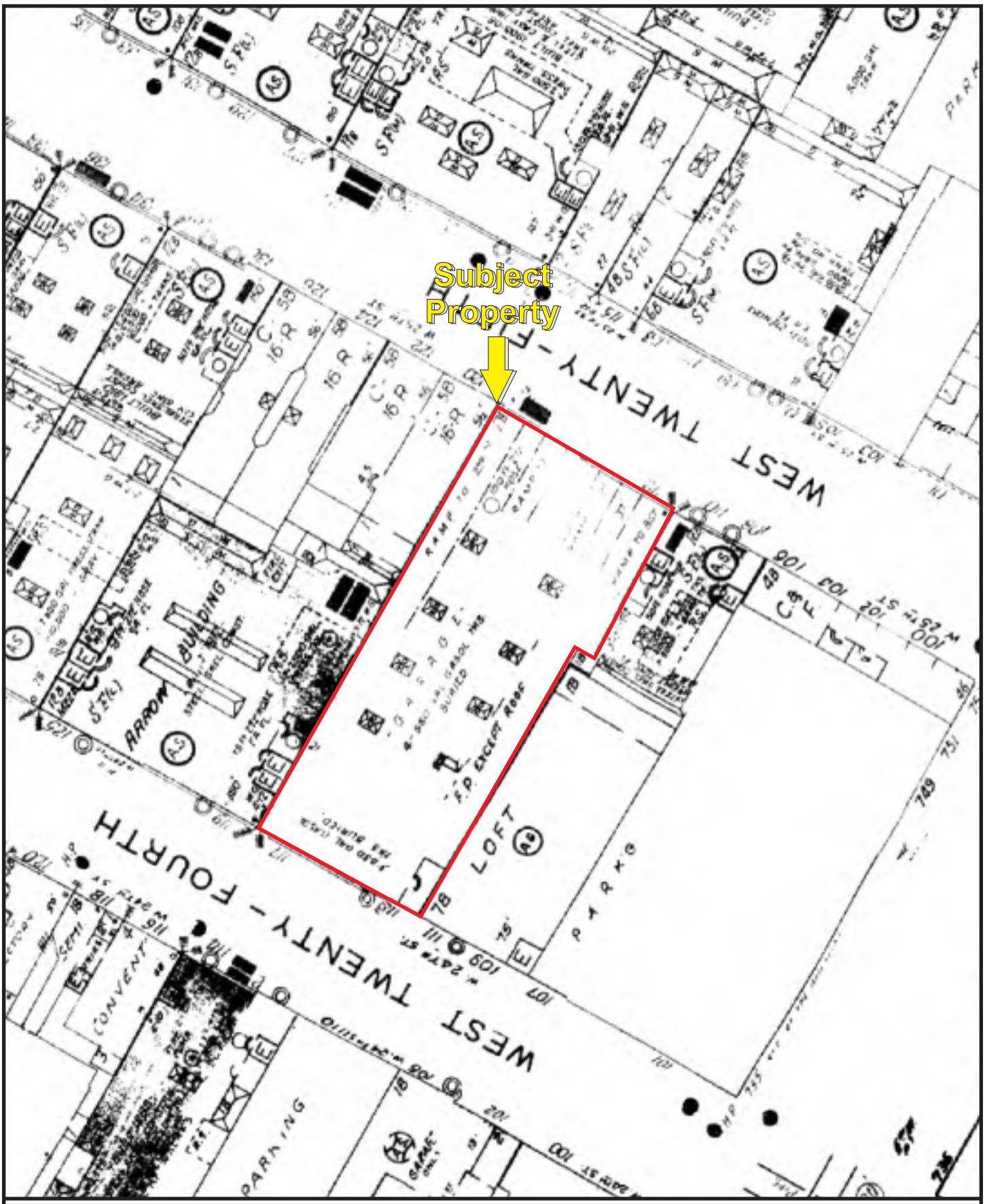


Date: 1987

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

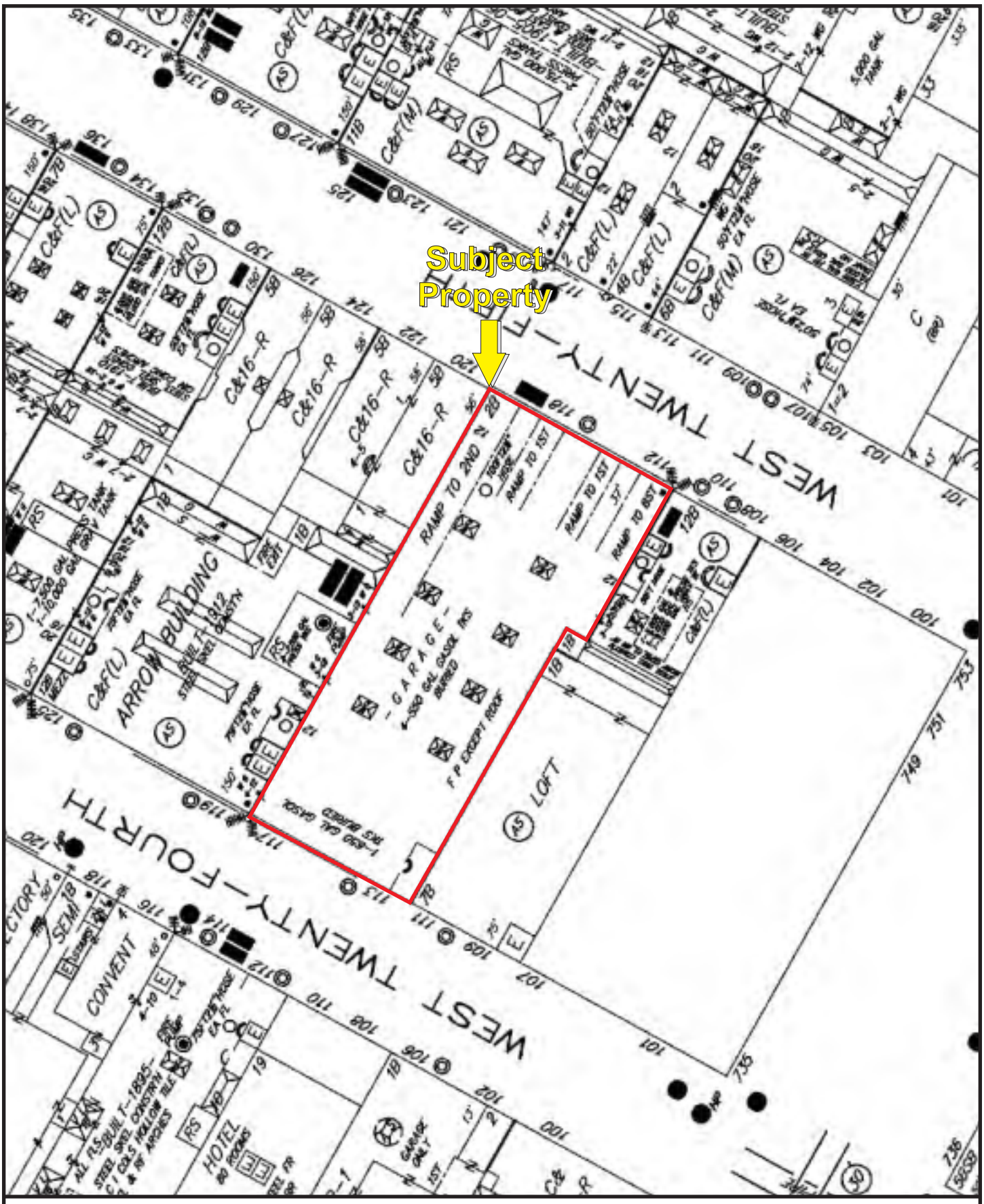


Date: 1996

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER



Date: 2005

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

112 West 25th Street

112 West 25th Street
New York, NY 10001

Inquiry Number: 4124383.6
November 03, 2014

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
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 1920 through 2013. 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
2013	Cole Information Services	X	X	X	-
2008	Cole Information Services	X	X	X	-
2006	Hill-Donnelly Information Services	X	X	X	-
2000	Cole Information Services	X	X	X	-
1998	NYNEX Telephone	X	X	X	-
1996	NYNEX	-	-	-	-
1993	NYNEX Telephone	X	X	X	-
1988	NYNEX Telephone	X	X	X	-
1983	New York Telephone	X	X	X	-
1978	New York Telephone	X	X	X	-
1973	New York Telephone	X	X	X	-
1968	New York Telephone	X	X	X	-
1963	New York Telephone	X	X	X	-
1958	New York Telephone	X	X	X	-
1956	New York Telephone	X	X	X	-
1950	New York Telephone	X	X	X	-
1947	New York Telephone	X	X	X	-
1942	New York Telephone	X	X	X	-
1938	New York Telephone	X	X	X	-
1934	R. L. Polk & Co.	X	X	X	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	-	X	X	-
1927	New York Telephone	X	X	X	-
1923	R. L. Polk & Co.	-	X	X	-
1920	R. L. Polk & Co.	-	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

112 West 25th Street
New York, NY 10001

FINDINGS DETAIL

Target Property research detail.

W 25 ST

112 W 25 ST

Year	*Uses*	*Source*
1998	JAMIES AUTO BODY	NYNEX Telephone
	W 25 ST PARKING CORP	NYNEX Telephone
1993	SQUARE INDUSTRIES	NYNEX Telephone
1988	ACE GARAGE CO	NYNEX Telephone
	HOLIDAY DRIVE-UR SELF INC	NYNEX Telephone
	SQUARE INDUSTRIES	NYNEX Telephone
	SQUARE PLUS OPERATING CORP	NYNEX Telephone
1983	A-ONE PAKING CORP	New York Telephone
	A-ONE PARKOG CORP	New York Telephone
	ACE GARAGE CO	New York Telephone
	ALL CITY FIRE EXTINGUISHER CO	New York Telephone
	HOLIDAY DRIVE UR SELF INC	New York Telephone
1978	ACE GARAGE CO	New York Telephone
	HOLIDAY DRIVE UR SELF INC	New York Telephone
1973	ACE GARAGE CO	New York Telephone
	HOLIDAY DRIVE-UR-SELF INC	New York Telephone
1968	ACE GARAGE CO	New York Telephone
	BERRY JOHNNIE INC EXP & TRUKG	New York Telephone
	H0IDAY DRIVE UR SELF INC	New York Telephone
1963	ACE GARAGE CO	New York Telephone
1958	ACE GARAGE CO	New York Telephone
1956	ACE GARAGE CO	New York Telephone
1950	HIRSCH PHILIP B	New York Telephone
	SUPER GARAGE INC	New York Telephone
1947	MOE S SUPER GARAGE	New York Telephone
1942	MADISON GARAPE INC	New York Telephone

FINDINGS

Year	Uses	Source
1938	MADISON GARAGE INC	New York Telephone
1927	EL BEE GARAGE INC	New York Telephone

W 25TH

112 W 25TH

Year	Uses	Source
1934	Berkowitz Louis sec treas Pilot Garage Inc	R. L. Polk & Co.
	Elbee Garage Pilot Garage Inc	R. L. Polk & Co.
1927	El Bee Garage Inc	New York Telephone

W 25TH ST

112 W 25TH ST

Year	Uses	Source
2013	IR PARKING INCORPORATED	Cole Information Services
	NY TOWING & AUTO REPAIR	Cole Information Services
2008	ACE GARAGE INC	Cole Information Services
	I R PARKING	Cole Information Services
	JAMIES AUTO BODY	Cole Information Services
2006	I R Parking Inc is o	Hill-Donnelly Information Services
	Jamies Auto Body is	Hill-Donnelly Information Services
2000	JAMIES AUTO BODY	Cole Information Services
	W 25 ST PARK	Cole Information Services
1983	A One Paking Corp	New York Telephone
	A One Parkog Corp	New York Telephone
	Ace Garage Co	New York Telephone
	All City Fire Extinguisher Co	New York Telephone
	HOLIDAY DRIVE UR SELF INC	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

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

25TH

117 25TH

Year	Uses	Source
1934	Winograd Philip Chelsea Eloctric Co	R. L. Polk & Co.

122 25TH

Year	Uses	Source
1950	WYOTT MFG CO INC DIPONSRS	New York Telephone
1927	LOBEL S	New York Telephone

W 25

119 W 25

Year	Uses	Source
1923	Greshler Hyman furs	R. L. Polk & Co.

W 25 MANHATTAN TOLL FREE-DIAL 1 & THEN

122 W 25 MANHATTAN TOLL FREE-DIAL 1 & THEN

Year	Uses	Source
1998	AMERLITE	NYNEX Telephone

W 25 ST

104 W 25 ST

Year	Uses	Source
1983	CONTINENTK SEWING SUPL CO	New York Telephone
1978	CONTINENTAL SEWING SUPL CO	New York Telephone
1973	CONTINENTL SEWING SUPL CO	New York Telephone
1968	CONTINENTL SEWING SEAL CO	New York Telephone
	MASTERBILT SEWING MACH CO	New York Telephone
1963	CONTINENTL SEWING SUPL CO	New York Telephone
	MASTERBILT SEWING MACH CO	New York Telephone
1958	CONTINENTL SEWING SUPL CO	New York Telephone
	MASTERBILT SEWING MACH CO	New York Telephone

FINDINGS

Year	Uses	Source
1956	CONTINENTL SEWING MACHINE CO	New York Telephone
	SEWING MACH RESEARCH CORP	New York Telephone
1942	STEINBRECHER HARRY ELECTRCN	New York Telephone
	EMPIRE CUTTING MACH SVCE	New York Telephone
1938	ACE PLUMBING & HEATING	New York Telephone
	BLUMBERG S PLUMBING	New York Telephone
1927	LERNER JACK TRMNGS	New York Telephone

105 W 25 ST

Year	Uses	Source
1958	AA CONTRACTO CO	New York Telephone
	AMER PARTITI0N CON	New York Telephone
	DURABLE SEWING MACH CO	New York Telephone
	GOLDFARB H CARPNTR	New York Telephone
	JOHNSON S PRACTICAL MOVERS	New York Telephone
	LERMAN J & CO BUTN HOLA	New York Telephone
	PRICE FREDDIE MOVR	New York Telephone
	TUDOR LARRY SEWNG MACHS	New York Telephone
1956	AA CONTRACTG CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	BLEND MASTERS	New York Telephone
	DURABLE SEWING MACH CO	New York Telephone
	GOLDFARB H CARPNTR	New York Telephone
	JOHNSON S PRACTICAL MOVERS	New York Telephone
	LERMAN J & CO BUTNHOLS	New York Telephone
	TUDOR LARRY SEWNG MACHS	New York Telephone
1950	A CONTRACTO CO	New York Telephone
	ALBERGO JOST MACHNST	New York Telephone
	AMER PARTITION CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	CITY ELEC EQUIP CO	New York Telephone
	COML RACK CO	New York Telephone
	GENL ELEC CORP EXEC OFCS	New York Telephone
	GLASSMAN A L PLMBNG HEATING	New York Telephone
	GOLDFARB H CARPETR	New York Telephone
	JOHNSON S PRACTICAL MOVERS	New York Telephone
	RAGER & ALBERGO SEWNG MACHS	New York Telephone
	RAGER BILL MACHNST	New York Telephone
	RAOGER ERIC SWNG MACHS	New York Telephone

FINDINGS

Year	Uses	Source
1950	TUDOR LARRY SEWNG MACHS	New York Telephone
1947	AA CONTRACTG CO	New York Telephone
	ABC ELEC & MOTOR CO	New York Telephone
	AMER PARTLTION CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	APEX EXPORT & IMPORT CO INC	New York Telephone
	GLASSMAN A L PLMBNG HEATING	New York Telephone
	GOLDFARB H CARPNTR	New York Telephone
	JOHNSON S PRACTICAL MOVERS CORP	New York Telephone
	TUDOR LARRY SEWNG MACHS	New York Telephone
1942	AA CONTRACTG CO	New York Telephone
	AA MOVING &STORAGE CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	GOLDFARB H CARPNTI	New York Telephone
	GREENBERG HARRY MOVING	New York Telephone
	GREENBERG SAM OFC FIXTS	New York Telephone
	LOW RATE VAN CO	New York Telephone
	ROXY VAN &EXPRESS CO	New York Telephone
	TUDOR LARRY SEWNG MACHS	New York Telephone
1938	AAA ELEC CO	New York Telephone
	AA CONTRACTG CO	New York Telephone
	AA MOVING CO	New York Telephone
	AA VAN EXPRESS CO	New York Telephone
	A-1 CARPET & LINOLEUM CO	New York Telephone
	ABBEY OFFICE FURN CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	ATLANTIC RIGGING CO	New York Telephone
	B & B EXPRESS & MOVING CO	New York Telephone
	BERNSTEIN JACK ELECTRECN	New York Telephone
	BORNSTEIN SOLOMON EXP	New York Telephone
	CAPITOL MOVING CO	New York Telephone
	GOLDFARB H CARPNTR	New York Telephone
	GREENBERG HARRY MOVING	New York Telephone
	GREENBERG SAM OFC FIXTS	New York Telephone
	LOW RATE VAN CO	New York Telephone
	ROXY VAN & EXPRESS CO	New York Telephone

FINDINGS

Year	Uses	Source
1938	SERVICE APPAREL CO	New York Telephone
	TUDOR LARRY SEWNG MACHS	New York Telephone
1927	BIMBLICK WOOLF JAPNG	New York Telephone
	KROLL L SEWING MACHS & ELECTRIC MOTORS	New York Telephone
	MODERN PRESSING CO	New York Telephone
	SPORTY M MACHINES	New York Telephone
	UNIVERSITY TUCKING & HEMSTICHG INC	New York Telephone

106 W 25 ST

Year	Uses	Source
1998	INTER ALLIED SALES CO	NYNEX Telephone
1993	INTER ALLIED SALES CO	NYNEX Telephone
1988	INTER ALLIED SALES CO	NYNEX Telephone
1983	INTER ALLIED SALES CO	New York Telephone
1978	INTER ALLIED SALES CO	New York Telephone
1973	INTER-ALLIED SALES CO	New York Telephone
1968	MUSNIK JOS SEWING MACH CO	New York Telephone
	INTER ALLIED SALES CO	New York Telephone
1963	LITE PHYLLIS INS	New York Telephone
	INTER ALLIED SALES CO	New York Telephone
	FISHKIN JESOME L SEWG MACHS	New York Telephone
1958	LITE PHYLLIS INS	New York Telephone
	INTER ALLIED SALES CO	New York Telephone
1956	LITE PHYLLIS INS	New York Telephone
	INTER-ALLIED SALES CO	New York Telephone
1950	KARPEN SIMON ELECTRCL CONTR	New York Telephone
	INTER-ALLIED SALES CO	New York Telephone
1947	SAMALOT MANUEL CGRS	New York Telephone
1938	PALMER J C PLEATING	New York Telephone
	OBSBAUM N CIGARS	New York Telephone
1927	BRATMAN BROS SIGN MAKERS	New York Telephone
	BERGMAN LOUIS F PLMBR	New York Telephone

107 W 25 ST

Year	Uses	Source
1998	J & M STUDIO PHOTO	NYNEX Telephone
	KAPLAN S SEWING MACHINE CO INC	NYNEX Telephone
1993	FLORALEASE LTD	NYNEX Telephone

FINDINGS

Year	Uses	Source
1993	J & M STUDIO PHOTO	NYNEX Telephone
	KAPLAN S SEWING MACHINE CO INC	NYNEX Telephone
1988	ASH M	NYNEX Telephone
	ASH MICHAEL	NYNEX Telephone
	ASH MICHAEL	NYNEX Telephone
	BERKOWITZ B	NYNEX Telephone
	BOERLIN JIM	NYNEX Telephone
	BUTCH HIRSCH PHOTOGRAPHY	NYNEX Telephone
	BUTTON TIM	NYNEX Telephone
	CHADWICK RANDALL	NYNEX Telephone
	CUMMINGS LAIRD	NYNEX Telephone
	CUMMINGS LAIRD	NYNEX Telephone
	DEMENEZIS JOSE & SANDRA	NYNEX Telephone
	DODD ROBERT A	NYNEX Telephone
	ELKASLASY ABRAHAM	NYNEX Telephone
	FLEEMAN GREGORY	NYNEX Telephone
	FLORALEASE LTD	NYNEX Telephone
	FUTTERMAN A & L	NYNEX Telephone
	HIRSCH BUTCH	NYNEX Telephone
	J & M STUDIO PHOTO	NYNEX Telephone
	JACOBSON B	NYNEX Telephone
	KAPLAN S SEWING MACHINE CO INC	NYNEX Telephone
	KRIKELLAS N	NYNEX Telephone
	MCCAFFREY BRIAN	NYNEX Telephone
	MCLELLAN KYLE	NYNEX Telephone
	MOFFITT PETER	NYNEX Telephone
	MOORE HOUSTON	NYNEX Telephone
	W 25 CORP	NYNEX Telephone
	PLYMPTON BILL	NYNEX Telephone
	SULLIVAN JAMES	NYNEX Telephone
	TAMARISK REC	NYNEX Telephone
	TESKY S	NYNEX Telephone
	MARK K	NYNEX Telephone
1983	AAA KLAUSNER MOVING & TRUCKG CO INC	New York Telephone
	LEFTON RIBBON CORP	New York Telephone
	SLATER LIONEL	New York Telephone
1978	DEE IMPRT SALES CORP	New York Telephone
	DEE PORTFOLIO MFG COLNC	New York Telephone

FINDINGS

Year	Uses	Source
1978	FABULOUS CREATIONS INC	New York Telephone
	KAUFMAN M & SONS CORP ELASTE PRODS	New York Telephone
	LAMINAR CO	New York Telephone
	LEFTON RIBBON CORP	New York Telephone
	MALMAN H SEWING MACH CO	New York Telephone
	SPORT TRIM INC	New York Telephone
	TRIM SHOP INC	New York Telephone
	WEARBEST MFG COLNC	New York Telephone
1973	LEFTON RIBBON CORP	New York Telephone
	MALMAN H SEWING MACH CO	New York Telephone
	WEARBEST MFG CO INC	New York Telephone
1968	FEDERAL SEWING MACH COINC	New York Telephone
	ROSED MFG CORP	New York Telephone
	SHERRY HANDBAG CORP OFC	New York Telephone
	SPIEGEL MFG CO	New York Telephone
	UDELL NATHAN	New York Telephone
	WEARBEST MFQ CO INC	New York Telephone
1963	COWELL MFG CORP	New York Telephone
	FEDERAL SEWING MACH CO INC	New York Telephone
	MORLEE-HANDCRAFT SHADE CO INC	New York Telephone
	QUALITY HEADWR & ACESRIES INC	New York Telephone
	SCHIFFMAN MURRAY CO BINDNGS	New York Telephone
	SCOTT ISABEL FABRICS CORP SHWRM	New York Telephone
	SHAPE WELL SHOULDER PAD CORP	New York Telephone
	SHERRY HANDBAG CORP OFC	New York Telephone
	SPIEGEL MFG CO	New York Telephone
	UDELL NATHAN	New York Telephone
	WEARBEST MFG CO INC	New York Telephone
1958	DICHELLE HERMAN BOXS	New York Telephone
	FASHIONTRIM CO FURS	New York Telephone
	FEDERAL SEWING MACH CO INC	New York Telephone
	GOODMAN SEWING MACH CO INC	New York Telephone
	HANDCRAFT SHADE CO	New York Telephone
	HOROWITZ & MILER FUR CO INC	New York Telephone
	LEA-HAT CO INC	New York Telephone
	MORGAN MURRAY CO INC FURS	New York Telephone
	PHOENIX BOX CORP	New York Telephone

FINDINGS

Year	Uses	Source
1958	QUEEN DRESS CO	New York Telephone
	SCHIFFMAN MURRAY CO BINDNAS	New York Telephone
	SHAPE-WELL SHOULDER PAD CORP	New York Telephone
	SPIEGEL MFG CO	New York Telephone
1956	BRIN-MAR KNITWEAR CO	New York Telephone
	DICHELLE HERMAN BOXS	New York Telephone
	FASHIONTRIM CO FURS	New York Telephone
	FEDERAL SEWING MACH CO INC	New York Telephone
	HOROWITZ BEN FURS	New York Telephone
	LEAH HAT CO INC	New York Telephone
	NATION WIDE SEWING MACH CO	New York Telephone
	PHOENIX BOX CORP	New York Telephone
	QUEEN DRESS CO	New York Telephone
	SCHIFFMAN MURRAY CO BINDNGS	New York Telephone
	SHAPE-WELL SHOULDER PAD CORP	New York Telephone
	SPIEGEL MFG CO	New York Telephone
1950	SHAPE-WELL SHOULDER PAD CORP	New York Telephone
	SPIEGEL MFG CO	New York Telephone
	DICHELLE HERMAN BOXS	New York Telephone
	EMBASSY BRUSH CORP	New York Telephone
	FASHIONTRIM CO FURS	New York Telephone
	FREY SAM SEWING MACHINE CO INC	New York Telephone
	FREY SANL SEWNG MACHS	New York Telephone
	HOROWITZ BEN FURS	New York Telephone
	LEAH HAT CO INC	New York Telephone
	LEONA NOVELTY CO	New York Telephone
	LUVICE LOOK CO UNDRGRMNTS	New York Telephone
	MANHATN DRESS & COSTUME CO	New York Telephone
	NAN JORDAN DRESS CO INC	New York Telephone
	NATION WIDE SEWING MACHINE CO INC	New York Telephone
	PHOENIX BOX CORP	New York Telephone
	PREZLOSO THRS STYLST	New York Telephone
	SCHIFFMAN MURRAY CO BINDNGS	New York Telephone
1947	DICHELLE HERMAN BOXS	New York Telephone
	FREY SAML SEWNG MACHS	New York Telephone
	GOLD MAX J	New York Telephone
	LEAH-HAT CO INC	New York Telephone
	MANHATN DRESS & COSTUME CO	New York Telephone

FINDINGS

Year	Uses	Source
1947	NATION-WIDE SEWING MACH CO INC	New York Telephone
	NATION-WIDE SEWING MACH CO INC	New York Telephone
	PETER PAN SPORTWR CO	New York Telephone
	PETER PAN SPORTWR CO	New York Telephone
	PHOENIX BOX CORP	New York Telephone
	SPIEGEL MFG CO	New York Telephone
	SPIEGEL NATHAN B	New York Telephone
	VARET KNITTING MILLS	New York Telephone
1942	ACE DIE CUTTING CO INC	New York Telephone
	ACE STEEL RULE DIE CO	New York Telephone
	ARTISTIC BEACH WEAR INC	New York Telephone
	BENINCASA CLOAK &SUIT CO	New York Telephone
	DICHELLE HERMAN BOXS	New York Telephone
	F&G PAPR SUPL CORP	New York Telephone
	FAGIN SAML DIE CUTR	New York Telephone
	GOLD MAX J	New York Telephone
	GREENBERG & LIFSCHUTZ FURS	New York Telephone
	K & C KNITTING MILLS	New York Telephone
	KRISILOFF ABE B	New York Telephone
	KRISILOFF BEN JOE AUCTNR	New York Telephone
	KRISILOFF BROS SEWING MACHINE CO	New York Telephone
	KRISILOFF JOE AUTNR	New York Telephone
	MANHATN DRESS & COSTUME CO	New York Telephone
	PHOENIX BOX CORP	New York Telephone
	RIT-ZIE NOVELTY CO	New York Telephone
	SCHIFF HYMAN B	New York Telephone
	SCHIFFMAN MURRAY CO BINDNGS	New York Telephone
	SPIEGEL MFG CO	New York Telephone
	SPIEGEL NATHAN B	New York Telephone
	STEINBERG N HATS	New York Telephone
	WASHINGTON TRADING CORP FINANCG	New York Telephone
1938	ACE DIE CUTTING CO	New York Telephone
	ACE STEEL RULE DIE CO	New York Telephone
	ALBERT CARTON CO	New York Telephone
	B & B SKIRTS & COAT CO	New York Telephone
	G & G EMBROIDERY CO	New York Telephone
	GOLD MAX J	New York Telephone

FINDINGS

Year	Uses	Source
1938	GOLDBERG & WELANSKY SEW MACHS	New York Telephone
	GOODSTEIN HERMAN EMBDY	New York Telephone
	INDIG SOL PLEATG	New York Telephone
	K & C KNITTING MILLS	New York Telephone
	KATZMAN JOS INC FURS	New York Telephone
	LORRAINE PLEATING & TUCKING CO	New York Telephone
	MANHATN DRESS & COSTUME CO	New York Telephone
	PERFECTION UNDRGRMNT CO	New York Telephone
	PIRAINO CLOAK & SUIT CO	New York Telephone
	RITZIE NOVELTY CO	New York Telephone
	VICTOR HENRY & BROS NOVLTS	New York Telephone
	WELANSKY & GOLDBERG SEWING MACHINES	New York Telephone
	WELANSKY & GOLDBERG SEW MACHS	New York Telephone
	SUNSHINE BEACH WEAR CO	New York Telephone
1927	BARNARD DRESS CO	New York Telephone
	DROGA A & SON CHLDRNS COATS	New York Telephone
	EVERYWOMAN S GARMENT CO DRESSES	New York Telephone
	FRIEBELE E F PRINTER	New York Telephone
	GOLD MAX J	New York Telephone
	GOODSTEIN HERMAN EMBDRY	New York Telephone
	HOLLANDER BERNARD S BUTNS	New York Telephone
	KANTER SAML FURS	New York Telephone
	MANHATTAN DRESS & COSTUME CO	New York Telephone
	MARKOFSKY & RESNICK FURS	New York Telephone
	MINTZ BROS & BLOOMSTEIN EMBDRS	New York Telephone
	PENDERGAST M J PRINTER	New York Telephone
	ROMA DRESS CO INC	New York Telephone
	ROYAL ONYX SHRINKING WKS	New York Telephone
	ROYAL SPONGING WORKS	New York Telephone
	SCHENCO DRESS CO	New York Telephone
	SCHLECKER & BECKER FURS	New York Telephone
	SEIDEN BENJ S MFG FURRIER	New York Telephone
	SIGILLO J DRESSES	New York Telephone
	STANDARD SILK HOUSE	New York Telephone
	STANDARD WEAVING CO	New York Telephone
	T & U MORTGAGE GO INC	New York Telephone

FINDINGS

Year	Uses	Source
1927	WEITZMAN GREENWALD & SIMON FURS	New York Telephone

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Year	Uses	Source
1998	ANTIQUES RESTORATION BY JULIAN	NYNEX Telephone
	CHRIS ELLIS COLLECTION	NYNEX Telephone
	FORTY FIFTY SIXTY	NYNEX Telephone
	JULIAN ANTIQUES RESTORATION	NYNEX Telephone
	MEYANS SUSANA	NYNEX Telephone
	MONLEON LENORE ANTIQUES	NYNEX Telephone
	PAGODA SPECIALTY	NYNEX Telephone
	PAGODA SPECIALTY INC	NYNEX Telephone
	RCR ANTIQUE & ARTS	NYNEX Telephone
1993	SHERATON CO THE UPHLSTRS & DECRTRS	NYNEX Telephone
1988	CHARROT L J INC	NYNEX Telephone
	LAFERLA SANDRO	NYNEX Telephone
	RAFAEL DIV OF ALLIED ELECTRONICS INC	NYNEX Telephone
	RELIABLE ATTACHMENT CO INC	NYNEX Telephone
	SHERATON CO UPHLSTRS & DECRTLRS	NYNEX Telephone
	SHERATON CO THE UPHLSTRS & DECRTRS	NYNEX Telephone
	THE SHERATON CO UPHLSTRS & DECRTRS	NYNEX Telephone
	THE SHERATON SHOP INC UOHLSRS & DECRTRSL	NYNEX Telephone
	TRUE-DOT INC	NYNEX Telephone
1983	BOUTIQUE HANDBAGS CO	New York Telephone
	COOK ROD	New York Telephone
	DARK-TAR LITHO C0P	New York Telephone
	DA VINCI PRESS INC	New York Telephone
	FRAY OFFSET PRNTNG CO	New York Telephone
	KAPLAN S SEWING MACHINE CO INC	New York Telephone
	MGM LITHO INC	New York Telephone
	PILVAX PRNTNG CORP	New York Telephone
	RANDY	New York Telephone
	RELIABLE ATTACHMENT CO INC	New York Telephone
	TRUE-DOT INC	New York Telephone

FINDINGS

Year	Uses	Source
1983	UMANS MARTY	New York Telephone
1978	AUTOMATIC TRIMG CO INC	New York Telephone
	BERLEY & CO INC RL EST & INS BUILDINGS	New York Telephone
	DAVINCI PRESS INC	New York Telephone
	FRANK L PHOTGRPHY	New York Telephone
	FRAY OFFSET PRNTNG CO	New York Telephone
	KAPLAN S SEWING MACHINE COINC	New York Telephone
	MGM LITHO INC	New York Telephone
	PILVAX PRNTNG CORP	New York Telephone
	RANDY	New York Telephone
	RELIABLE ATTACHMENT COINC	New York Telephone
	TOVA PRESS COLNC	New York Telephone
1973	AUTOMATIC TRIMG CO INC	New York Telephone
	BERLEY & CO	New York Telephone
	BOUTIQUE HANDBAGS CO	New York Telephone
	FRAY OFFSET PRNTNG CO	New York Telephone
	G & S LABEL CO PRNTRS	New York Telephone
	HALPEN LABEL & PRNTNG CO	New York Telephone
	HANDAL H & SON DRY GOODS CO INC	New York Telephone
	LINDEN EMBROIDERY	New York Telephone
	NEW ERA LABEL CORP	New York Telephone
	PRODUCTS ORIGINATION INC	New York Telephone
	RANDY	New York Telephone
	RELIABLE ATTACHMENT CO INC	New York Telephone
	YULIS HANDBAGS	New York Telephone
1968	BOUTIQUE HANDBAGS CO	New York Telephone
	G & S LABEL CO PRNTRS	New York Telephone
	HALPEN LABEL & PRNTNG CO	New York Telephone
	HANDAL H & SON DRY GOODS CO INC	New York Telephone
	MALMAN H SEWING MACH CO	New York Telephone
	NEW ERA LABEL CORP	New York Telephone
	PACKAGE INSERT FOLDING CORP	New York Telephone
	RANDY	New York Telephone
	RELIABLE ATTACHMENT CO INC	New York Telephone
	SALTZMAN JOS & CO	New York Telephone
	SERV-MASTER CREATIONS DIV OF PITMAN DRELTZER	New York Telephone
	SKYLINE LEATHER GOODS CORP	New York Telephone

FINDINGS

Year	Uses	Source
1963	BOUTIQUE HANDBAGS CO	New York Telephone
	FEMINA BELT CO	New York Telephone
	G & S CLOAK CO	New York Telephone
	GOLD LOUIS J INC MILL SPLIS	New York Telephone
	GOLDBERG MENX SCWG MACHS	New York Telephone
	HYMAN FASHNS INC	New York Telephone
	MALMAN H SEWING MACH CO	New York Telephone
	MORANTZ & SON COATS & SUITS	New York Telephone
	PANTURA J CO LTD	New York Telephone
	RELIABLE ATTACHMENT CO INC	New York Telephone
	SALTZMAN JOS & CO	New York Telephone
	SANFILIPPO FRANK B	New York Telephone
	SKYLINE LEATHER GOODS CORP	New York Telephone
	SUPERIOR INDEXING CORP	New York Telephone
	WALDORF APPAREL CO	New York Telephone
1958	ART TEXTILE PR0S CO	New York Telephone
	CINDY HATS INC	New York Telephone
	DANMOR FROCKS INC	New York Telephone
	FELDMAN DAVID B	New York Telephone
	G & S CLOAK CO	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG MAX SEWNG MACHS	New York Telephone
	JOANL-JANE TOGS INC	New York Telephone
	KRISILOFF ABE AUCTNR	New York Telephone
	MINERS JOS B B	New York Telephone
	R & W DRESS CO	New York Telephone
	SANFILLPPO FRANK B	New York Telephone
	SKYLINE LEATHER GOODS CORP	New York Telephone
	SUPERIOR INDEXING CORP	New York Telephone
	WALDORF APPAREL CO	New York Telephone
1956	ART TEXTILE PRODS CO	New York Telephone
	ASTOR EQUIP CORP	New York Telephone
	ASTOR EQUIP CORP	New York Telephone
	ASTOR INDUSTRIES INC	New York Telephone
	BOHRER BERNARD FUR BLENDG	New York Telephone
	CREATIVE ART NOVELTY & EMBROIDERY CO	New York Telephone
	FELDMAN DAVID B	New York Telephone

FINDINGS

Year	Uses	Source
1956	G & S CLOAK CO	New York Telephone
	GOLD LOUIS J INC MILL SUPLS	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG M SEWING MACH CO INC	New York Telephone
	GOLDBERG MANNY SEWNG MACHS	New York Telephone
	GOLDBERG MAX SEWNG MACHS	New York Telephone
	KANTOR I SEWNG MACHS	New York Telephone
	MINERS JOS B B	New York Telephone
	MORANTZ & SON COATS & SUITS	New York Telephone
	R & W DRESS CO	New York Telephone
	ROTHENBERG D FURS	New York Telephone
	SANFILIPPO FRANK B	New York Telephone
	SCHAUBEN & KUTAK	New York Telephone
	SKYLINE LEATHER GOODS CORP	New York Telephone
	SUPEAIOR INDEXING CORP	New York Telephone
	WALDORF APPAREL CO	New York Telephone
1950	G & S CLOAK CO	New York Telephone
	GOLD LOUIS J INC MILL SUPLS	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG MANNY SEWNG MACHS	New York Telephone
	GOLDBERG MAX SEWNG MACHS	New York Telephone
	KADET LEO	New York Telephone
	KANTOR I SEWNG MECHS	New York Telephone
	KOTTICK SEWING MACH INC CO	New York Telephone
	LENARD CREATIONS INC HOUSECOATS	New York Telephone
	M W DRESS CO	New York Telephone
	MAGIC FUR DYEING & BLENDING CO INC	New York Telephone
	MINERS JOS B B	New York Telephone
	NOVELINE PLASTIC CO	New York Telephone
	PAULETTE JUNIORS INC DRSES	New York Telephone
	R & W DRESS CO	New York Telephone
	SANFILIPPO FRANK B	New York Telephone
	SKYLINE LEATHER GOODS CORP	New York Telephone
	SUCHMAN LAWRENCE M B	New York Telephone

FINDINGS

Year	Uses	Source
1950	SUPERIOR INDEXING CORP	New York Telephone
	URET MFG CO	New York Telephone
	VICTOR SPORTSWR INC	New York Telephone
	WALDORF APPAREL CO	New York Telephone
	ART TEXTILE PRODS CO	New York Telephone
	ASTOR INDUSTRIES INC OFC	New York Telephone
	BECKERMAN NEWMAN SPORTSWR	New York Telephone
	BLEND MASTERS	New York Telephone
	CORA JUNIORS DRSES	New York Telephone
	FELDMAN HERMAN B	New York Telephone
1947	ART TEXTILE DECORATG CO	New York Telephone
	BECKERMAN NEWMAN SPORTSWR	New York Telephone
	BLEND MASTERS INC	New York Telephone
	CREATIVE ART NOVELTY & EMBROIDERY CO	New York Telephone
	G & S CLOAK CO	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG MAX B	New York Telephone
	KADET L B	New York Telephone
	KAMHI ALLEGRA MRS I	New York Telephone
	LEVER BIAS MACH CORP	New York Telephone
	MW DRESS CO	New York Telephone
	MASTER FUR BLENDERS	New York Telephone
	MINERS JOS B B	New York Telephone
	PERSONALITY PRODS LTHR GDS	New York Telephone
	POSNER M & CO INC FCTY	New York Telephone
	DRESS CO	New York Telephone
	REGENT DENTAL EQUIP SVCE	New York Telephone
	RONNEE KAY INC SPORTWR	New York Telephone
	SANFILIPPO FRANK B	New York Telephone
	SANFORD JAY PRODS	New York Telephone
	TURK I EMBRDY	New York Telephone
	VICTOR SPORTSWR LTD	New York Telephone
	WALDORF APPAREL CO	New York Telephone
1942	ACE KNITTING MILLS INC	New York Telephone

FINDINGS

Year	Uses	Source
1942	CREATIVE ART NOVELTY &EMBROIDERY CO INC	New York Telephone
	ENBEE SPOITSWR INC	New York Telephone
	KOSCHLAND ISRAEL BRISTLS	New York Telephone
	LEVER BIAS MACH CORP	New York Telephone
	RIDLESS H CO INC SEWG MACH	New York Telephone
	RIDLESS HYMAN SEW MACHS	New York Telephone
	VICTORY FUR BLENDERS	New York Telephone
	WJZ PRNTNG CO	New York Telephone
	WALDORF APPAREL CO	New York Telephone
	WINTER SAUL O FABRCS	New York Telephone
1938	WELLWORTH NOVELTY & EMBROIDERY CO INC	New York Telephone
	ADELE PLEATING & STITCHING CO	New York Telephone
	BANNISTER & DAVIS	New York Telephone
	BRILLIANT SIGN CO	New York Telephone
	DAVIS & BANNISTER	New York Telephone
	DE LUCA & NAGER CLTHG	New York Telephone
	ESSTEE DRESS CORP	New York Telephone
	GOLDBORO HAT CO	New York Telephone
	GOLDBY CHILDRENS DRESS CO	New York Telephone
	LEVER BIAS MACH CORP	New York Telephone
	LEVINE H CLKS	New York Telephone
	NATHANSON J CLKS	New York Telephone
	PARIS NOVELTY CO	New York Telephone
	R & C DRESS CO	New York Telephone
	RIDLESS H CO INC SEWG MACH	New York Telephone
	RIDLESS HYMAN SEW MACHS	New York Telephone
	RUDICK P DRSES	New York Telephone
	SILVER SMART FROCKS INC	New York Telephone
	TURK I EMBRDY	New York Telephone
1927	AMBROSINO THEO CTS & STS	New York Telephone
	ANTMAN ABR FURRIER	New York Telephone
	BLOOM & GOLDSTEIN CLOAKS	New York Telephone
	CHARMANTE DRESS CO INC	New York Telephone
	FINK LEIBOWITZ & STAUB INC FURS	New York Telephone
	HOLTZMAN ISIDORE FUR MFR	New York Telephone
	KLEPNER S & SONS FURS	New York Telephone
	LAPKIN & BELINK CLKS STS	New York Telephone

FINDINGS

Year	Uses	Source
1927	MARKWELL COAT CO INC	New York Telephone
	MARMOREK SIMON ACCTNT	New York Telephone
	SCHWARTZ LEON FURS	New York Telephone
	SIMKIN A D & CO CLOAKS	New York Telephone

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Year	Uses	Source
1988	FERNWOOD HAT CO	NYNEX Telephone
	PERFECT HAT FRAME CO	NYNEX Telephone
	LARCHMONT NOVELTY MFG	NYNEX Telephone

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Year	Uses	Source
1988	INTERCONTINENTAL LEATHER MACHINERY CORP	NYNEX Telephone
1983	GLOBE SEWING MACHINE CORP	New York Telephone
	INTERCONTINENTAL LEATHER MACHINERY	New York Telephone
1978	GLOBE SEWING MACHINE CORP	New York Telephone
	PUGACH SEWING MACHINE MOTOR COMPANY INC	New York Telephone
	PUGACH WILLIAM B	New York Telephone
1973	COHEN SOL Z B	New York Telephone
	DIAMOND NEEDLE CORP	New York Telephone
1968	DIAMOND NEEDLE CORP	New York Telephone
1963	COHEN LEON J SEWG MACHS	New York Telephone
	COHEN SOL Z SEWNG MACHS	New York Telephone
	COHEN SOL Z ASSOCS	New York Telephone
	CURTIS IRVING SEWISG MACHS	New York Telephone
	EASTERN SEWING MACH CO INC	New York Telephone
	PERLMUTTER ALLAN B	New York Telephone
1958	COHEN SOL Z SEWNG MACHS	New York Telephone
	CURTIS IRVING SEWNG MACHS	New York Telephone
	EASTERN SEWING MACH CO	New York Telephone
	FOGEL JACK SEWNG MACHS	New York Telephone
	WISE J B INC	New York Telephone
1956	COHEN SOL Z SEWNG MACHS	New York Telephone
	CURTIS IRVING SEWNG MACHS	New York Telephone
	EASTERN SEWING MACH CO	New York Telephone
	FOGEL JACK SEWNG MACHS	New York Telephone

FINDINGS

Year	Uses	Source
1956	WISE J B INC	New York Telephone
1950	AA KIOUSNER MOVING & TRUCKING CO	New York Telephone
	COHEN ELI A TEXTLS	New York Telephone
	COHEN IRVING SEWNG MACHS	New York Telephone
	COHEN SOL SEWNG MACHS	New York Telephone
	EASTERN SEWING MACH CO	New York Telephone
	GARDEN SURPLUS SALES CORP	New York Telephone
	KLAUSNER H MOVNG	New York Telephone
	KLAUSNER H MOVNG	New York Telephone
1947	AAA KLAUSNER MOVINA & TRUCKING CO	New York Telephone
	COHEN SOL SEWNG MACHS	New York Telephone
	EASTERN SEWING MACH CO	New York Telephone
	COHEN IRVING SEWNG MACHS	New York Telephone
	COHEN ELI A TEXTLS	New York Telephone
	CHASE INDUSTRIES INC TEXTLS	New York Telephone
	CHASE INDUSTRIES INC EXPTRS	New York Telephone
	KLAUSNER H MOVNG	New York Telephone
1942	EASTERN SEWING MACHINE CO	New York Telephone
	INTERSTATE SEWING MACHINE CORP	New York Telephone
	KLAUSNER H EXP	New York Telephone
	SIEGEL CHAS ANCTNR	New York Telephone
	STEIN BERNARD SEWNG MACHS	New York Telephone
1927	COHEN & LICHTER LDS CLKS	New York Telephone

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Year	Uses	Source
1998	ALBERT BALVENDER ANTIQUES	NYNEX Telephone
	ANDREW MACMILAN INC	NYNEX Telephone
	ANTIQUES SALES & RESTORATION	NYNEX Telephone
	APPEL ERIC FINE ART & ANTIQUES	NYNEX Telephone
	BOND S ANTIQUE AND MODERN WEARS	NYNEX Telephone
	CJ PETERS	NYNEX Telephone
	CHELSEA ANTIQUES BUILDING	NYNEX Telephone
	CHELSEA RESTORATION CENTER	NYNEX Telephone
	COHEN S COLLECTABLE	NYNEX Telephone
	COOKIE JARS ETC	NYNEX Telephone
	COUNTRY COUSINS ANTIQUES	NYNEX Telephone

FINDINGS

Year	Uses	Source
1998	DANNY S RECORDS	NYNEX Telephone
	DAVIS & GARDNER HOME FURNISHINGS	NYNEX Telephone
	DAVIS VINTAGE COLLECTIBLES	NYNEX Telephone
	DAVIS VINTAGE PENS	NYNEX Telephone
	DOCK ANTIQUE	NYNEX Telephone
	FEYGIN ARKADY ANTIQUE RESTORATION	NYNEX Telephone
	GALLERY 403	NYNEX Telephone
	GINNANE-GASBARRO PAULINE	NYNEX Telephone
	GOLDEN SLIPPER INC	NYNEX Telephone
	GREDLER JOHN J	NYNEX Telephone
	HAM FEE BANG HOUSE	NYNEX Telephone
	HARVEY LOLA-BARBARA	NYNEX Telephone
	HEARN DENNIS	NYNEX Telephone
	IKON HOUSE	NYNEX Telephone
	J B D GEMS	NYNEX Telephone
	JENSEN SOREN	NYNEX Telephone
	JEROME WILSON	NYNEX Telephone
	JULIAN S BOOKS	NYNEX Telephone
	KHOMESTTKY GREGORY	NYNEX Telephone
	KIMCHEROVA	NYNEX Telephone
	KUSHNIRSKY OLEG	NYNEX Telephone
	LAVENDER-N-LACE	NYNEX Telephone
	LE CHATEAU ANTQUES	NYNEX Telephone
	LUBIN GALLERIES INC	NYNEX Telephone
	M E COLLINS	NYNEX Telephone
	MANSA MUSSA & ORENGO INTERIORS	NYNEX Telephone
	MARIASCHIN SHIRLEY	NYNEX Telephone
	MARKCO	NYNEX Telephone
	MONTE S MILITARIA	NYNEX Telephone
	MORISCO MICHEAL	NYNEX Telephone
	NEW YORK GALLERIES ANTIQUES	NYNEX Telephone
	OK COLLECTIONS	NYNEX Telephone
	ORIENTAL ANTIQUES & ART BY IM	NYNEX Telephone
	QUINCY	NYNEX Telephone
	RAISSA	NYNEX Telephone
	RENE KERNE ANTIQUES	NYNEX Telephone
	RETRO METRO	NYNEX Telephone

FINDINGS

Year	Uses	Source
1998	SAM S PLACE ANTIQUES	NYNEX Telephone
	STEPHANIE S ANTIQUES	NYNEX Telephone
	THE PORCELAIN ROOM	NYNEX Telephone
	THIS N THAT	NYNEX Telephone
	VERDI VINCENT ANTIQUES	NYNEX Telephone
	VLADIMIR S ANTIQUES	NYNEX Telephone
	WATCH IT ANDRE BURGOS	NYNEX Telephone
	WAVES	NYNEX Telephone
	Y & D MAYER ANTIQUES	NYNEX Telephone
1988	PORTFOLIO LITHOGRAPHY	NYNEX Telephone
1983	K & R PRUDENTIAL PRNTNG	New York Telephone
	MULTI-GRAPHIC PRESS INC	New York Telephone
	TRADE PRNTNG CORP	New York Telephone
	YOUNG JAMES B	New York Telephone
1978	MULTI-GRAPHIC PRESS INC	New York Telephone
1973	MULTI GRAPHIC PRESS INC	New York Telephone
1968	MULTI-GRAPHIC PRESS INC	New York Telephone
	REGINA PRESS PRNTRS	New York Telephone
	ZOREK JOHN F B	New York Telephone

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Year	Uses	Source
1998	ZUCKERMAN SAM SEWING MACH CORP	NYNEX Telephone
	ZUCKERMAN MYRON SEWING MACHS & EQP CORP	NYNEX Telephone
1993	ZUCKERMAN SAM SEWING MACH CORP	NYNEX Telephone
	ZUCKERMAN MYRON SEWING MACHS & EQP CORP	NYNEX Telephone
1988	ZUCKERMAN MYRON SEWING MACHS & EQP CORP	NYNEX Telephone
	ZUCKERMAN SAM SEWING MACH CORP	NYNEX Telephone
1983	LUCKERMAN MYRON SEWING MACHS & EQP CORP	New York Telephone
1978	ZUCKERMAN MYRON SEWING MACHS & EQP CORP	New York Telephone
1973	ZUCKERMAN MYRON SEWING MACHS & EQP CORP	New York Telephone
1968	ZUCKERMAN MYRON SEWING MACHS & EQP CORP	New York Telephone
1963	BERNSTEIN MORRIS SEWG MACHS	New York Telephone

FINDINGS

Year	Uses	Source
1963	DARGOLS SEWNG MACHAS	New York Telephone
	DARSONS MACH EXPORT INC SEWSIG MACHS	New York Telephone
	EM BEE SEWING MACH CO INC	New York Telephone
1958	ALLIANCE SEWING MACGIS INC	New York Telephone
	DARGOLS SEWNG MACHS	New York Telephone
	DARSONS MACH EXPORT INC SEWNG MACHS	New York Telephone
	MACFADDEN HUGH	New York Telephone
	MARX MORTY SEWNG MAS	New York Telephone
1956	ALLIANCE SEWING MACHS INC	New York Telephone
	DARGOLS SEWNG MACHS	New York Telephone
	DARSONS MACH EXPORT INC SEWNG MACHS	New York Telephone
	DARSONS MACH EXPORT INC SEWNG MACHS	New York Telephone
	GOLDMAN NATHAN CO SLCKS	New York Telephone
	MARX MORTY SEWNG MACHS	New York Telephone
1950	DARGOLS SEWNG MACHS	New York Telephone
	DARSONS MACH EXPORT INC SEWNG MACHS	New York Telephone
	DARSONS MACH EXPORT INC SEWNG MACHS	New York Telephone
1947	CRASNO LOUIS P AUCTNR	New York Telephone
1942	CRASNO LOUIS P AUCTNR	New York Telephone
1927	HALPREN P S CTN GDS	New York Telephone

113 W 25 ST

Year	Uses	Source
1942	DARBY HAT CO MFR	New York Telephone
1938	DARBY HAT CO MFR	New York Telephone

115 W 25 ST

Year	Uses	Source
1998	AMERLITE ALUMINUM CO	NYNEX Telephone
	CLINTON BLDG PRODUCTS	NYNEX Telephone
	CONTINENTAL DIE	NYNEX Telephone
	CONTINENTAL DIE INC	NYNEX Telephone
	LENCO MACHINE CO	NYNEX Telephone
	SIMON ATTACHMENT CO	NYNEX Telephone
	TECHNAL INC	NYNEX Telephone

FINDINGS

Year	Uses	Source
1998	RENAISSANCE DOOR CO MANHATTAN MANHATTAN	NYNEX Telephone
1993	LENCO MACHINE CO	NYNEX Telephone
	SIMON ATTACHMENT CO	NYNEX Telephone
	YH CHONG SONG TOOL & DIE	NYNEX Telephone
1988	ABC ATTACHMENTS INC	NYNEX Telephone
	BICEN MACHINE SHOP	NYNEX Telephone
	JOHNSON ELI INDUSTRIAL SEWING MACHINES & SVCES	NYNEX Telephone
	LENCO MACHINE CO	NYNEX Telephone
	SCHULTZ B	NYNEX Telephone
	SCHULTZ B	NYNEX Telephone
1983	ABC ATTACHMENTS INC	New York Telephone
	AID B	New York Telephone
	LENCO MACHINE CO	New York Telephone
	SCHULTZ B	New York Telephone
1978	ABC ATTACHMENTS INC	New York Telephone
	ACME ATTACHMENT CO	New York Telephone
	AID B	New York Telephone
	JOHNSON ELI INDUSTRIAL SEWING MACHINES & SVCES	New York Telephone
1973	CULLEY ED SEWQ MNACHS	New York Telephone
	DEREWITZKY BERNARD B	New York Telephone
	FAIBER HAROLD B	New York Telephone
	ISELIN SAMI AUCTNR	New York Telephone
	LEBOWITZ SEWING MACH CORP	New York Telephone
	LEIBOWITZ SEWING MACH CORP	New York Telephone
	NON PROFIT MESNGR SVCE	New York Telephone
	SPEED ELECTRIC CO	New York Telephone
	SPEED TRIM CORP	New York Telephone
1968	CULLEY ED SEWQ MACHS	New York Telephone
	FINE JACK	New York Telephone
	ISELIN SAML AUCTNR	New York Telephone
	LEBOWITZ SEWING MACH CORP	New York Telephone
	LEIBOWITZ SEMINN MACH CORP	New York Telephone
	MAISLIS BROS NOVELTY MACH CO	New York Telephone
	NON-PROFIT MESNGR SVCE	New York Telephone
	RAGER WM SEWG MACH REPR	New York Telephone
	SPEED TRIM CORP	New York Telephone
1963	JOHNSON DUKE	New York Telephone

FINDINGS

Year	Uses	Source
1963	KEVLES DINA	New York Telephone
	LEBOWITZ SEWING MACH CORP	New York Telephone
	LEIBOWITZ SAWING MACH CORP	New York Telephone
	MAISLIS BROS NOVELTY MACH CO	New York Telephone
	CREATIONS INC	New York Telephone
	NON-PROFIT MESNGR SVCE	New York Telephone
	SPEED TRIM CORP	New York Telephone
1958	DU TRIEUILLE MYRA LEE	New York Telephone
	KANTOR I SAWO MECHS	New York Telephone
	KEVLES DINA	New York Telephone
	LEBOWITZ SEWING MACH CORP	New York Telephone
	LEIBOWITZ SEWING MACH CORP	New York Telephone
	MODEL ART EMBROIDERY CO	New York Telephone
	NON-PROFIT MESNGR SVCE	New York Telephone
	ROTH ARNOLD I B	New York Telephone
	SPEED TRIM CORP	New York Telephone
1956	DIAMOND NEEDLE CORP	New York Telephone
	DIAMOND NEEDLE CORP	New York Telephone
	KEVLES DINA	New York Telephone
	LEBOWITZ SEWING MACH CORP	New York Telephone
	LEIBOWITZ SEWING MACH CORP	New York Telephone
	NON-PROFIT MESNGR SVCE	New York Telephone
	ROTH ARNOLD I B	New York Telephone
	SPEED TRIM CORP	New York Telephone
1950	KEVIS DINA	New York Telephone
	LEBOWITZ SEWING MACHINE CORP	New York Telephone
	LEIBOWITZ SEWING MACH CO	New York Telephone
	MORRISON SEWING MACH CO INC	New York Telephone
	NONPROFIT MESNGR SVCE	New York Telephone
	ROSS HARRY	New York Telephone
	SCHULTZ MIMOGRAPH CO	New York Telephone
1947	KAMPEL DAVE CO SEWNG MACHS	New York Telephone
	LEBOWITZ SEWING MACHINE CO	New York Telephone
	LEBOWITZ SEWING MACHINE CORP	New York Telephone
	LEIBOWITZ SEWING MACH CO	New York Telephone
1942	LEBOWITZ SEWING MACHINE CORP	New York Telephone
	LEIBOWITZ SEWING MACHINE CORP	New York Telephone
	MITCHELL BEN F SIGNS	New York Telephone

FINDINGS

Year	Uses	Source
1938	BAUMAN J R FORMS	New York Telephone
	BAUMAN S ORIGINAL DESIGNS INC	New York Telephone
	GRANTHAM E & CO EXPTRS	New York Telephone
	UNITED ELECTRCL & RADIO WORKERS OF AMERICA LOCAL 1228	New York Telephone
1927	BLUM & GREEN FURS	New York Telephone
	KIRSCHNER SAML FURS	New York Telephone
	REIFF & SHNELL FURS	New York Telephone
	SPIKLER B FURS	New York Telephone

116 W 25 ST

Year	Uses	Source
1927	CHOVNICK PRINTING CO	New York Telephone

117 W 25 ST

Year	Uses	Source
1998	AMALCO SEWING MACH & MOTOR CORP	NYNEX Telephone
	VAIS SEWING MACHINE CO INC	NYNEX Telephone
1988	AMELCO SEWING MACH & MOTOR CORP	NYNEX Telephone
	FALK CORI	NYNEX Telephone
	KORMAN HARRY POWER TABLES	NYNEX Telephone
	LEONARD FRANK	NYNEX Telephone
1983	AA ATTACHMENT CO	New York Telephone
	AMELCO SEWING MACH & MOTOR CORP	New York Telephone
	BERGER E S INC SEWS MACHS	New York Telephone
	KARPEN SIMON ELCTRCN	New York Telephone
	KORMAN HARRY POWER TABLES	New York Telephone
	SEYMOUR SEWING MACHINE CORP	New York Telephone
1978	AA ATTACHMENT CO	New York Telephone
	AMELCO SEWING MACH & MOTOR CORP	New York Telephone
	KORMAN JACK POWER TABLES	New York Telephone
	NEEDLE TRADE SUPL CO INC	New York Telephone
	NEEDLE TRADE SUPPLY CA INC	New York Telephone
1973	AA ATTACHMENT CO	New York Telephone
	AMELCO STCISG MACH & MOTOR CORP	New York Telephone
	JACK KORMAN MACHNIST	New York Telephone

FINDINGS

Year	Uses	Source
1973	NEEDLE TRADE SUPL CO INC	New York Telephone
1968	AMELCO SEWING MACH & MOTOR CORP	New York Telephone
	CUTLER EDW & ASSOCS SEWG MACHS	New York Telephone
	DAVE & HAROLD SEWG MACHS	New York Telephone
1963	DAVE & HAROLD SEWG MACHS	New York Telephone
	DURABLE SEWING MACH CORE	New York Telephone
	KARR SAML J B	New York Telephone
	KARR & STAHL SEWING MACH CO INC	New York Telephone
1958	DAVE & HAROLD SEWG MACHS	New York Telephone
	LEFF DAVID SEWNG MACHS	New York Telephone
	SKIPPERS LUNCHIET	New York Telephone
	SPEED ELEC CO	New York Telephone
	SPITALNICK I ELECTRCN	New York Telephone
1956	F & B LUNCHEONETTE	New York Telephone
	FLORETTE NOVELTY CO	New York Telephone
	LEFF DAVID SEWNG MACHS	New York Telephone
	SPEED ELEC CO	New York Telephone
	SPITALNICK I ELECTRCN	New York Telephone
1950	BORNSTEIN SOL SEWNG MACHS	New York Telephone
	MILCH F IMPTS	New York Telephone
	SPEED ELEC CO	New York Telephone
	SPITALNICK I ELECTRCN	New York Telephone
1947	B & B EXPRESS & MOVING CO	New York Telephone
	BORNSTEIN SOLOMON EXP	New York Telephone
	HYDE PK LEATHER GOODS CO INC	New York Telephone
	KLAUSNER H EXP	New York Telephone
	NORTHERN SEWING MACHINE CO	New York Telephone
	NORTHERN SEWING MACHINE CO INC	New York Telephone
	ROTHENBERG S INCHNET	New York Telephone
	SHAW GUS LEATHR GDS	New York Telephone
	SHAWLINE INC LEATHR GDS	New York Telephone
	SIEGEL CHAS AUCTNR	New York Telephone
1942	AA WIRE WKS	New York Telephone
	B & B EXPRESS &MOVING CO	New York Telephone
	BORNSTEIN SOLOMON EXP	New York Telephone
	DIAMOND JOS CARDTR	New York Telephone
	SKLAR J INCHNET	New York Telephone

FINDINGS

Year	Uses	Source
1938	AA IRON & WIRE WKS	New York Telephone
	DIAMOND JOS CDRPTR	New York Telephone
	ITZKOWITZ J SEWING MACH CO	New York Telephone
	UNITED IMPORT & EXPORT CO	New York Telephone
1927	LANDRIEU P IMPTR EXPTR	New York Telephone
	ARMSTRONG R J & CO THEATRICAL TRIMMINGS	New York Telephone
	ACKERMAN FLIGLER & SHUSTER FURS	New York Telephone

118 W 25 ST

Year	Uses	Source
1963	DUNN M A	New York Telephone

119 W 25 ST

Year	Uses	Source
1998	A A A A A DIVERSIFIED PRODUCTS INC	NYNEX Telephone
	ABBE GALE HATS	NYNEX Telephone
	ADORABLE HAT CO	NYNEX Telephone
	AMERICAN MENU PRINTING CO	NYNEX Telephone
	BEAUTY PLUS TRADING CORP	NYNEX Telephone
	BERTHOLO UPHOLSTERY	NYNEX Telephone
	BOB DEE ACCESSORIES INC	NYNEX Telephone
	BOB DEE ACCESSORIES INC	NYNEX Telephone
	BRIGHT IDEA DESIGN	NYNEX Telephone
	CHARITON & CHARITON INC	NYNEX Telephone
	CONSOLIDATED SEWING MACHINES	NYNEX Telephone
	DARBY PRNTNG CO	NYNEX Telephone
	DEL BUSINESS SYSTEMS	NYNEX Telephone
	FEIT CO INC	NYNEX Telephone
	FEITSEW	NYNEX Telephone
	GALE ABBE	NYNEX Telephone
	HAMLSHIRE PRESS PRNTRS	NYNEX Telephone
	IMAGEPRO	NYNEX Telephone
	KONICA COPIER BY DEL BUSINESS SYSTEMS	NYNEX Telephone
	LEFKOFF NORMAN	NYNEX Telephone
	NEWMARK & CO REAL ESTATE INC-	NYNEX Telephone
	NIEDERMAN MARK PHOTOGRAPHY	NYNEX Telephone
	PRINT RITE PRESS INC	NYNEX Telephone

FINDINGS

Year	Uses	Source
1998	SHARK OFFSET SVCE INC	NYNEX Telephone
	SPRING POINT CORPORATION	NYNEX Telephone
	STERNICK STEVEN PHOTOGRAPHY	NYNEX Telephone
	SUN GRAPHICS INC	NYNEX Telephone
1993	BOB DEE ACCESSORIES INC	NYNEX Telephone
	BOB DEE ACCESSORIES INC	NYNEX Telephone
	CHRISTINE ROUSSEL INC	NYNEX Telephone
	CLEGG INDUSTRIES	NYNEX Telephone
	DARBY PRNTNG CO	NYNEX Telephone
	FEIT CO INC	NYNEX Telephone
	FEITSEW	NYNEX Telephone
	HAMPSHIRE PRESS PRNTRS	NYNEX Telephone
	IMAGEPRO	NYNEX Telephone
	MANHATTAN EMBOSSING CO INC	NYNEX Telephone
	MATTIKOW DAVID DIE CUTNG	NYNEX Telephone
	NEWMARK & CO REAL ESTATE INC	NYNEX Telephone
	NIEDERMAN MARK PHOTOGRAPHY	NYNEX Telephone
	NY LEATHER EMBOSSING CO	NYNEX Telephone
	REMCO PRESS INC PRNTRS	NYNEX Telephone
	SPRING POINT CORPORATION	NYNEX Telephone
	STEVEN BOX & SUPL CO	NYNEX Telephone
	TROMPLOY STUDIO & GALLERY INC MURALS TROMPE L OELL FAUX MARBLE	NYNEX Telephone
1988	ADDED ATTRACTIONS INC	NYNEX Telephone
	DARBY PRNTNG CO	NYNEX Telephone
	FEIT CO INC	NYNEX Telephone
	FEITSEW	NYNEX Telephone
	HEDSTROM C	NYNEX Telephone
	IG TEXTILE MILLS INC	NYNEX Telephone
	MANHATTAN EMBOSSING CO INC	NYNEX Telephone
	MARIONAT BRIDAL VEILS INC	NYNEX Telephone
	MATTIKOW DAVID DIE CUTNG	NYNEX Telephone
	MICHELLE LYNN CUTTING CORP	NYNEX Telephone
	MICHELLE LYNN CUTTING CORP	NYNEX Telephone
	NEW YORK EMBOSSING CO	NYNEX Telephone
	REILLY MAGGIE	NYNEX Telephone
	SONNY TEXTILE SUPL CORP	NYNEX Telephone
	VINEX CORP PLSTCS	NYNEX Telephone

FINDINGS

Year	Uses	Source
1988	WILLIAMS BILL CASTING INC	NYNEX Telephone
1983	BAROUCH BROS 5 INC BATHROBES	New York Telephone
	BENNISONS ROBES	New York Telephone
	BUCKNER RAYMOND PHTOGPHR	New York Telephone
	CONDESO LAWLER GALLERY	New York Telephone
	DARBY PRNTNG CO	New York Telephone
	FEIT CO INC	New York Telephone
	FUNFAIR FASHIONS INC	New York Telephone
	IG TEXTILE MILLS INC	New York Telephone
	MANHATTAN EMBOSSING CO INC	New York Telephone
	MATTIKOW DAVID DIE CUTNG	New York Telephone
	MCCLEAN CYRIL H STUDIO	New York Telephone
	MILTON PLEATING INC	New York Telephone
	NEW YORK LEATHER EMBOSSIG CO	New York Telephone
	O REILLY TERENCE	New York Telephone
	ORIGINAL REPRODUCTIONS INC	New York Telephone
	REILLY MAGGIE	New York Telephone
	SAFETY SIGNS BY ORIGINAL DIV OF ORIGINAL REPRODUCTIONS INC	New York Telephone
	STATE BINDING & TEXTILE TRIMMING CO INC	New York Telephone
	THREE S BIAS BINDING CO	New York Telephone
1978	ART-LORE INC	New York Telephone
	BAROUCH BROS INC BTHRBS	New York Telephone
	BENNISONS ROBES	New York Telephone
	BUCKNER RAYMOND PHTOGPHR	New York Telephone
	CORONET KNITTING MILLS INC	New York Telephone
	CORONET KNITTING MILLS INC	New York Telephone
	DARBY PRNTNG CO	New York Telephone
	DUBELLER BRAID CO	New York Telephone
	DUBELIER ELASTIC FABRICATORS	New York Telephone
	FEIT CO INC	New York Telephone
	FUNFAIR FASHIONS INC	New York Telephone
	FUNFAIR FASHNIONS INC	New York Telephone
	KAUFMAN 25TH ST LOFT CO	New York Telephone
	LAE BELLE SAUVAGE INC	New York Telephone
	MANHATTAN EMBOSSING CO INC	New York Telephone
	MATTIKOW DAVID CILRG	New York Telephone
	MCCLEAN CYRIL H STDIO	New York Telephone

FINDINGS

Year	Uses	Source
1978	MILTON PLEATING INC	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	ORIGINAL REPRODUCTIONS INC DECALS	New York Telephone
	SCOT TIES LTD	New York Telephone
	YANK TOGS INC	New York Telephone
1973	LABELLE SAUVAGE LNC	New York Telephone
	MANHATN EMBOSSIIG COLNC	New York Telephone
	MATTIKOW DAVID DIE CUTNG	New York Telephone
	MC CLEAN CYRIL H STDIO	New York Telephone
	MILTON PLEATING INC	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO INC	New York Telephone
	STANDARD COAT & SUIT CO	New York Telephone
	YANK TOGS INC	New York Telephone
	YANK TOGS INC B	New York Telephone
	ARTLORE INC	New York Telephone
	BAROCH BR0S INC BTTRBS	New York Telephone
	BENNISONS ROBES	New York Telephone
	BUCKNER RAYMOND PHTOGPHR	New York Telephone
	CORONET KNITTING MILLS INC	New York Telephone
	DG DIE MFG CO	New York Telephone
	DG STEEL RULE DIE MFG CO INC	New York Telephone
	ELF DIE CUTNG CO	New York Telephone
	FEIT COLNC	New York Telephone
	KAUFMAN 25TH SN LOFT CO	New York Telephone
1968	ART-LORE INC	New York Telephone
	BAROUCH BROS INC BTHRBS	New York Telephone
	BENNISONS ROBES	New York Telephone
	BROCKTON CUTNG DIE & MACH CO INC	New York Telephone
	BUCKNER RAYMOND PHTOGPHR	New York Telephone
	CORONET KNITG MILLS INC	New York Telephone
	DG DIE MFG CO	New York Telephone
	D G STEEL RULE DIE MFG CO INC	New York Telephone
	DIGIROLAMO MICHL B	New York Telephone
	ELF DIE CUTNG CO	New York Telephone
	FEIT CO INC	New York Telephone
	MATTIKOW DAVID DIE CUTNG	New York Telephone

FINDINGS

Year	Uses	Source
1968	MC CLEAN CYRIL H STDIO	New York Telephone
	MILTON PLEATING INC	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO INC	New York Telephone
	SMART SALES CO JWLR	New York Telephone
	STANDARD COAT & SUIT CO	New York Telephone
1963	BARUCH BROS INC BTHRBS	New York Telephone
	BENNISONS BTHRBS	New York Telephone
	BENNISONS ROBES	New York Telephone
	BILTWELL OPTICAL MFG CO	New York Telephone
	BROCKTON CUTTING DIE & MACH CO INC	New York Telephone
	CHAMPION STEEL RULE DIE CO	New York Telephone
	DG DIE MFG CO	New York Telephone
	DG STEEL RULE DIE MFG CO	New York Telephone
	EDEN TOYS INC SHWRM & OFC	New York Telephone
	F & F SEWING MACHINE CO	New York Telephone
	FEIT CO INC	New York Telephone
	FISHKIN JEROME AUCTNR	New York Telephone
	FISHKIN MORRIS SEWG MACHS	New York Telephone
	FRAME MASTERS INC	New York Telephone
	G & G KNITD FABRICS CO INC	New York Telephone
	GALEWSKI A & SONS INC LTHR	New York Telephone
	GAYTIME BAG INC	New York Telephone
	GROPPER ISAAC FABRICS	New York Telephone
	GROPPER LEON FABRCS	New York Telephone
	LOVELY BAQ CO	New York Telephone
	MATTIKOW DAVID DIE CUTOG	New York Telephone
	MODERN KNITG MILLS CORP	New York Telephone
	MODERN KNITG MILLS CORP	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO LNC	New York Telephone
	STANDARD COAT & SUIT CO	New York Telephone
1958	FISHKIN MORRIS SWEG MACH	New York Telephone
	FUHRMAN HY B	New York Telephone
	G & G KNITO FABRICS CO INC	New York Telephone
	GALEWSKI A & SONS INC LTHR	New York Telephone
	GAYTIME BAG INC	New York Telephone
	GROPPER ISAAC FABRCS	New York Telephone

FINDINGS

Year	Uses	Source
1958	GROPPER LEON FABRCS	New York Telephone
	LOVELY BAG CO-	New York Telephone
	MANHATN EMBOSSING CO	New York Telephone
	MATTIKOW DAVID DIE CUTNG	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO INC	New York Telephone
	SHEFFIELD MFG CO	New York Telephone
	TRAVEL-MORE LUGGAGE	New York Telephone
	ATLEE FABRICS INC	New York Telephone
	BAROUCH BROS BTHRBS	New York Telephone
	BENNISONS BTHRBS	New York Telephone
	BERNSTEIN MORRIS SEWNG MACHG	New York Telephone
	BILTWELL OPTICAL MFG CO	New York Telephone
	BROCKTON CUTTING DIE & MACH CO INC	New York Telephone
	D G DIE MFG CO	New York Telephone
	DG STEEL RULE DIE MFG CO	New York Telephone
	DURKIN REALTY CO	New York Telephone
	EDEN TOYS INC SHWRM & OFC	New York Telephone
	EM-BEE SEWING MACH CO INC	New York Telephone
	F & F SEWING MACHINE CO	New York Telephone
	FISHKIN JEROME AUCTNR	New York Telephone
1956	ADELPHI ROBES MFRS	New York Telephone
	ATLEE FABRICS INC	New York Telephone
	BAROUCH BROS BTHRBS	New York Telephone
	BERNSTEIN MORRIS SEWNG MACHS	New York Telephone
	BILTWELL OPTICAL MFG CO	New York Telephone
	BROCKTON CUTTING DIE & MACH CO INC	New York Telephone
	CHESNIN HARRY SEWNG MACHS	New York Telephone
	COMET GLOVE CORP	New York Telephone
	DG DIE MFG CO	New York Telephone
	DG STEEL RULE DIE MFG CO	New York Telephone
	DURKIN REALTY CO	New York Telephone
	EM-BEE SEWING MACH CO INC	New York Telephone
	F & F SEWING MACHINE CO	New York Telephone
	FISHKIN JEROME AUCTNR	New York Telephone

FINDINGS

Year	Uses	Source
1956	FISHKIN MORRIS SEWNG MACHS	New York Telephone
	FUHRMAN HY B	New York Telephone
	G & G KNITD FABRICS CO INC	New York Telephone
	GALEWSKI A & SONS INC LTHR	New York Telephone
	GAYTIME BAG INC	New York Telephone
	GROPPER ISAAC FABRCS	New York Telephone
	GROPPER LEON FABRCS	New York Telephone
	LOVELY BAG CO	New York Telephone
	MATTIKOW DAVID DIE CUTNG	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	NY EMBOSSING CO	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO INC	New York Telephone
	SHEFFIELD MFG CO	New York Telephone
	TRAVEL-MORE LUGGAGE	New York Telephone
1950	BAROUCH BROS BTHROBS	New York Telephone
	BENNISONS BTHROBS	New York Telephone
	BERNSTEIN MORRIS SEWNG MACUS	New York Telephone
	BILTWELL OPTICAL MFG CO	New York Telephone
	CARTER REALTY CORP	New York Telephone
	COMET GLOVE CORP	New York Telephone
	DG DIE MFG CO	New York Telephone
	DG STEEL RULE DIE MFG CO	New York Telephone
	EM-BEE SEWING MACH CO INC	New York Telephone
	F & F SEWING MACH CO	New York Telephone
	F & F SEWING MACHINE CO	New York Telephone
	FISHKIN MORRIS SEWNG MACHS	New York Telephone
	G & G KNITTED FABRICS CO INC	New York Telephone
	GALEWSKI A & SONS INC LTHR	New York Telephone
	GROPPER ISAAC FABRCS	New York Telephone
	GROPPER LEON FABRCS	New York Telephone
	LOVELY BAG CO	New York Telephone
	MARCUS ABRAHAM CPA	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	NY EMBOSSING CO	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone

FINDINGS

Year	Uses	Source
1950	NORWALK SLIPPER CO INC	New York Telephone
	RUDERMAN INC FUR DYERS & DRNESSERS	New York Telephone
	SAVOOD PHILIP	New York Telephone
	SAVODNIK PHILIP B	New York Telephone
	SCHECHTER BERNIE AUCTNR	New York Telephone
	SCOTTO F VEG	New York Telephone
	SHEFFIELD MFQ CO INC	New York Telephone
	TRAVEL MORE LUGGAGE	New York Telephone
1947	BAROUCH BROS BTHROBS	New York Telephone
	CARTER REALTY CORP	New York Telephone
	COMET GLOVE CORP	New York Telephone
	COMMODORE LEATHER GOODS INC FCTY	New York Telephone
	DG STEEL RULE DIE MFG CO	New York Telephone
	EVE BLOUSE & SPORTSWR CO INC	New York Telephone
	F & B SEWING MACHINE CO	New York Telephone
	FISHKIN MORRIS ELECTCREN	New York Telephone
	G & G KNITTED FABRICS CO	New York Telephone
	GROPPER ISAAC FABRCS	New York Telephone
	GROPPER LEON FABRCS	New York Telephone
	LEITER M SEWNG MACHS	New York Telephone
	MANHATN EMBOSSING CO	New York Telephone
	MARCUS ABRAHAM CPA	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	NY EMBOSSING CO	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO INC	New York Telephone
	PLEXI PRODS CO	New York Telephone
	ROSE GARMENT CO INC	New York Telephone
	RUDERMAN INC FUR DYERS & DRESSERS	New York Telephone
	SAVODNIK PHILIP SEWNG MACHS	New York Telephone
	SHEFFIELD MFG CO INC	New York Telephone
1942	BAROUCH BROS BTHROBS	New York Telephone
	COMET GLOVE CORP	New York Telephone
	CONTINENTL CLOTH CUTTING MACH CORP	New York Telephone
	F&B SEWING MACHINE CO	New York Telephone

FINDINGS

Year	Uses	Source
1942	FISHKIN MORRIS ELECTRCN	New York Telephone
	FOUR FORTY CORP RL EST	New York Telephone
	G & G TEXTILE CORP	New York Telephone
	GALEWSKI A & SONS INC LTHR	New York Telephone
	GROPPER ISAAC FABRCS	New York Telephone
	GROPPER LEON FABRCS	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO INC	New York Telephone
	REMUS CIE	New York Telephone
	REMUS EDW B	New York Telephone
	RUDERMAN INC FUR DYERS &DRESSERS	New York Telephone
	SHEFFIELD MFQ CO INC	New York Telephone
	STANDARD SYNTHETICS INC	New York Telephone
1938	BERGER GORIN PRESS INC	New York Telephone
	COEN WM D B	New York Telephone
	CROWN CARD CO	New York Telephone
	CROWN CARD & PAPR CO	New York Telephone
	CROWN FUR DYEING CORP	New York Telephone
	EMPIRE RAYON YARN CO INC	New York Telephone
	EXPERT CLOTH SPONGING CO INC	New York Telephone
	G & M TEXTILE CO INC	New York Telephone
	GALEWSKI A & SONS INC LTHR GDS	New York Telephone
	GORIN IRVING PRNTG	New York Telephone
	GROPPER ISAAC FABRCS	New York Telephone
	GROPPER LEON FABRCS	New York Telephone
	L & L CLOTH EXAMNINERS SHRINKERS & REFINISHERS INC	New York Telephone
	L & L EXPERT SHRINKERS CORP	New York Telephone
	L & L EXPERT SHRINKERS CORP	New York Telephone
	MAXINE DOLL CO INC	New York Telephone
	MILLER SOL B	New York Telephone
	NY EMBOSSING CO	New York Telephone
	NY LEATHER EMBOSSINIG CO	New York Telephone
	OHSMAN EDW FUR DYEING	New York Telephone
	SCOTT BERGEL CO	New York Telephone
	SHEFFIELD MFG CO INC	New York Telephone
	SIEGEL LOUIS B	New York Telephone
	SONN HENRY B	New York Telephone

FINDINGS

Year	Uses	Source
1938	SONN HENRY & CO INC	New York Telephone
	SONN LEASING CORP-	New York Telephone
	SONN VIEW DEVELOPMENT CORP	New York Telephone
	ZYDNEY MORRIS B	New York Telephone
1927	ADORE DRESS CO	New York Telephone
	BECKERMAN & ENDE FURS	New York Telephone
	BRESLIN M B	New York Telephone
	COHEN I FURS	New York Telephone
	COROFF S FURS & SKINS	New York Telephone
	DIAMOND & CHANIN DRSES	New York Telephone
	DOBKIN RICHARD DRESSES	New York Telephone
	EMETH REALTY CORP	New York Telephone
	GALUTEN BROS FURS	New York Telephone
	GLORIA FANCY PLEATING & PATTERN CO	New York Telephone
	GORDON LOUISE MRS EMBDRY	New York Telephone
	HIRSCHFIELD D & BROS FURS	New York Telephone
	HOFFMAN HENRY T FUR ROBES	New York Telephone
	KIVELL BROS	New York Telephone
	L & L CLOTH EXAMINERS SHRINKERS & REFINISHERS INC	New York Telephone
	L & R DRESS CO	New York Telephone
	LEVY & LOCKWOOD	New York Telephone
	LISS MAX	New York Telephone
	LOEB & WEINTRAUB FURRIERS	New York Telephone
	POKART H FURS	New York Telephone
	PROPER MADE DRESS CO	New York Telephone
	PUGATCH BROS FURS	New York Telephone
	QUALITY TUCKING & HEMSTITCHING CO	New York Telephone
	SCHACHTER & ELUKIN FURS	New York Telephone
	SCHECHTMAN & FRASSO CTS	New York Telephone
	SCHWARTZ BROS FURS	New York Telephone
	SERESKY & SON MFRS FURS	New York Telephone
	SHARKEY & RATNER RAINCOATS	New York Telephone
	SIEGEL HARRY DRESSES	New York Telephone
	SPRECHMAN SAML FURRIER	New York Telephone
	STEINMARDER M FURS & SKINS	New York Telephone
	STEPHENS D R	New York Telephone
	THOMASIAN ARSEN EMBDRY	New York Telephone

FINDINGS

Year	Uses	Source
1927	THOMASIAN LEVON RUGS	New York Telephone
	THOMASIAN LEVON RUGS	New York Telephone
	TURKENITZ ISIDOR DRSES	New York Telephone
	WELSH ELEVATOR & MACHINE WKS -	New York Telephone
	WELSH ELEVATOR & MACHINE WKS -	New York Telephone
	WOMANS WEAR NOVELTY CO	New York Telephone
	WORTH WHILE DRESS CO INC	New York Telephone
	ZYDNEY MORRIS	New York Telephone
	ZYDNEY & BRESLIN	New York Telephone

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Year	Uses	Source
1998	GUTMAN JOSEPH ASSOCS	NYNEX Telephone
	RENAISSANCE DOOR CO	NYNEX Telephone
1993	GUTMAN JOSEPH ASSOCS	NYNEX Telephone
1988	AMERLITE ALUMINUM CO INC	NYNEX Telephone
	BURGESS J	NYNEX Telephone
	COX KEVIN C	NYNEX Telephone
	GUTMAN JOSEPH ASSOCS	NYNEX Telephone
	JONES STEVEN	NYNEX Telephone
	KWONG BRADLEY	NYNEX Telephone
	MACKENZIE DONALD	NYNEX Telephone
	MCGINNIS JAMES P	NYNEX Telephone
	ROSENBAUM JOHN E	NYNEX Telephone
	SCHNEIDER MARK	NYNEX Telephone
	STEVENSON JEFF	NYNEX Telephone
	VAN ZANDT DAVID	NYNEX Telephone
	VICTOR JERRY	NYNEX Telephone
1983	BUCHANAN JOHN R	New York Telephone
	DAVISON GEORGE P	New York Telephone
	FRIEDLAND B	New York Telephone
	GARBER ALAN	New York Telephone
	GUTMAN JOSEPH ASSOCS	New York Telephone
	LINDSEY G	New York Telephone
	O NEILL BRIEN	New York Telephone
	SAHAG JOHN	New York Telephone
	SCHUMAN JAMES R	New York Telephone
	VAN ZANDT DAVID	New York Telephone
	VICTOR JERRY	New York Telephone

FINDINGS

Year	Uses	Source
1983	VILLEMARETTE SUZANNE	New York Telephone
1973	COHEN LEON J SEWG MACHS	New York Telephone
	COHEN SOL Z SEWG MACHS	New York Telephone
	COHEN SOL Z ASSOCS	New York Telephone
	CURTIS IRVING SEWG MACHS	New York Telephone
	EASTERN SEWING & SHOE MACHINE CORP	New York Telephone
	EASTERN SHOE MACHY CORP	New York Telephone
	FOGEL JACK B	New York Telephone
1968	COHEN LEON J SEWG MACHS	New York Telephone
	COHEN SOL Z SEWG MACHS	New York Telephone
	COHEN SOL Z ASSOCS	New York Telephone
	CURTIS LRVING SEWG MACHS	New York Telephone
	EASTERN SEWING MACH CO INC	New York Telephone
	EASTERN SHOE MACHY CORP	New York Telephone
	FOGAL JACK B	New York Telephone
1963	AMER BUTTONHOLE & PLEATING CO	New York Telephone
	ANDRES RACHEL B	New York Telephone
	BURGLARPROOF LOCK INSTALLACTION CO	New York Telephone
	KLEIN FRANK LOCKS	New York Telephone
1958	AMER BUTTONLIOLE & PLEATING CO	New York Telephone
	ANDRES RACHEL B	New York Telephone
	BURGLARPROOF LOCK INSTALLATION CO	New York Telephone
	CANAL BUCKLE & NOVELTY CO	New York Telephone
	KLEIN FRANK LOCKS	New York Telephone
1956	AMER BUTTONHOLE & PLEATING CO	New York Telephone
	ANDRES RACHEL B	New York Telephone
	BURGLAR PROOF LOCK LNST CO	New York Telephone
	KLEIN FRANK LOCKS	New York Telephone
1950	AMER BUTTONHOLE & PLEATING CO	New York Telephone
	BURGLAR PROOF LOCK INST CO	New York Telephone
1947	AMER BUTTONHOLE & PLEATING CO	New York Telephone
	BURGLAR PROOF LOCK INST CO	New York Telephone
	GREENE J CARPNTR	New York Telephone
	KLEIN FRANK LOCKS	New York Telephone
1942	AMER BUTTONHOLE &PLEATLNG CO	New York Telephone
	BURGLAR PROOF LOCK INST CO	New York Telephone
	GREENE J CARPNTR	New York Telephone

FINDINGS

Year	Uses	Source
1942	KLEIN FRANK LOCKS	New York Telephone
1938	AMER BUTTONHOLE & PLEATING CO	New York Telephone
	BURGLAR PROOF LOCK INST CO	New York Telephone
	GREENE J CARPNTR	New York Telephone
	KLEIN FRANK LOCKS	New York Telephone
	KOPP MORRIS PAINTR	New York Telephone
1927	HARTSDALE CANINE CEMETERY	New York Telephone
	LA ROSE STITCHING & PLEATG CO	New York Telephone
	N Y VETERINARY HOSPITAL	New York Telephone
	REEFFS H BAKERY & DAIRY REST INC	New York Telephone
	STADLER S RESTAURANT	New York Telephone

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Year	Uses	Source
1968	BERGER AL INC SEWG MACHS	New York Telephone
	BERGER AL INC SEWG MACHS	New York Telephone
1963	BERGER AL INC SEWG MACHS	New York Telephone
	BERGER AL INC SEWG MACHS	New York Telephone
	KINNEY SYSTM INC	New York Telephone
1958	BERGER AL SEWNG MACHS	New York Telephone
	BERGER AL SEWNG MACHS	New York Telephone
1956	BERGER AL SEWNG MACHS	New York Telephone
	BERGER AL SEWNG MACHS	New York Telephone
1950	BERGER AL SEWNG MACHS	New York Telephone
	BERGER AL SEWNG MACHS	New York Telephone
	OROURKE MICHL	New York Telephone
1947	BERGER AL SEWNG MAS	New York Telephone
	BERGER AL SEWNG MAS	New York Telephone
1942	BERGER AL SEWNG MACHS	New York Telephone
	BERGER AL SEWNG MACHS	New York Telephone
1927	HOLMAN B INC FURS	New York Telephone
	HOLMAN B INC FURS	New York Telephone

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Year	Uses	Source
1998	OLD PAPER ARCHIVE	NYNEX Telephone
1993	AMERLITE ALUMINUM CO	NYNEX Telephone
	CINDERELLA MAID SERVICE	NYNEX Telephone
	RELIABLE CLEANING SVC	NYNEX Telephone

FINDINGS

Year	Uses	Source
1993	RENAISSANCE DOOR CO	NYNEX Telephone
1988	AMERLITE ALUMINUM CO	NYNEX Telephone
	AMERLITE ALUMINUM CO INC	NYNEX Telephone
1983	MUSNIK JOEPH & SON SEWING MACHINE CO	New York Telephone
1963	JABLONS ISADORE FIRSTS SUPLS	New York Telephone
	JABLONS ISADORE FIRSTS SUPLS	New York Telephone
	REED & KELLER INC FLRSTS SUPLS	New York Telephone
	VERNON TEXTILE MILLS	New York Telephone
1958	JABLONS ISADORE FIRSTS SUPLS	New York Telephone
	REED & KELLER INC FIRSTS SUPIS	New York Telephone
	VERNON TEXTILE MILLS	New York Telephone
1956	JABLONS ISADORE FLRSTS SUPLS	New York Telephone
	REED & KELLER INC FLRSTS SUPLS	New York Telephone
	VERNON TEXTILE MILLS	New York Telephone
1950	JABLONS IRVING & ISIDORE	New York Telephone
	REED & KELLER INC FLRSTS SUPLS	New York Telephone
	VERNON TEXTILE MILLS	New York Telephone
1947	VERNON TEXTILE MILLS	New York Telephone
	REED KELLER INC FLRSTS SUPLS	New York Telephone
	JABLONS IRVING & ISADORE FIRSTS SUPP	New York Telephone
1942	VERNON TEXTILE MILLS	New York Telephone
	JABLONS IRVING &ISADORE FIRSTS SUPP	New York Telephone
	REED & KELLER INC FIRSTS SUPLS	New York Telephone
1938	JABLONS LRVING & ISADORE FIRSTS SUPP	New York Telephone
	REED & KELLER FIRSTS SUPP	New York Telephone
	VERNON TEXTILE MILLS WAREHSE	New York Telephone
1927	JABLONS ISIDORE FLORISTS SUP	New York Telephone
	MAURZ GEORGE FLRST SUP	New York Telephone
	REED & KELLER FIRSTS SUPP	New York Telephone

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Year	Uses	Source
1983	AUTOMOTION DEVICES	New York Telephone
	GEDULDIG IRVING B	New York Telephone
	GEDULDIG IRVING B	New York Telephone
	TRIM-VAC	New York Telephone

FINDINGS

Year	Uses	Source
1978	AUTOMOTION DEVICES	New York Telephone
	GEDULDIG IRVING B	New York Telephone
	TRIM-VAC	New York Telephone
1973	AUTOMOTION DEVICES	New York Telephone
	GEDILDIG IRVING B	New York Telephone
	GEDULDIG IRVING B	New York Telephone
1968	ALTMAN & LES SER SEWG MACHS	New York Telephone
	ASSOCIATED SEWING MACHINE CO INC	New York Telephone
	LESSER DAVID AUCTNR	New York Telephone
1963	ALTMAN & LESSER SEWG MACHS	New York Telephone
	ASSOCIATED SEWING MACHINE CO INC	New York Telephone
	LESSER DAVID AUCTNR	New York Telephone
1958	ALTMAN & LESSER SEWG MACHS	New York Telephone
	ASSOCIATED SEWING MACHINE CO INC	New York Telephone
	LESSER DAVID AUCTNR	New York Telephone
1956	ALTMAN & LESSER SEWG MACHS	New York Telephone
	ASSOCIATED SEWING MACHINE CO INC	New York Telephone
	LESSER DAVID AUCTNR	New York Telephone
1950	ALTMAN & LESSER SEWG MACHS	New York Telephone
	ASSOCIATED SEWING MACHINE CO INC	New York Telephone
	LESSER DAVID AUSTNER	New York Telephone
	MANU-TEX INDUSTRIES CO	New York Telephone
	SCHWARTZ ROBT ELECTRCN	New York Telephone
1947	ALTMAN & LESSER SEWG MACHS	New York Telephone
	ASSOCIATED SEWING MACH CO	New York Telephone
	SCHANTZ ALFRED ELECTRCN	New York Telephone
	SCHWARTZ ROBT ELECTRCN	New York Telephone
1942	ALTMAN &LESSER SEWNG MACHS	New York Telephone
	ASSOCIATED SEWING MACHINE CO	New York Telephone
	BARSKY CO SEWNG MACHS	New York Telephone
	R & S ELEC CO	New York Telephone
	SCHWARTZ ROBT ELECTICN	New York Telephone

FINDINGS

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Year	Uses	Source
1998	AMERLITE ARCHITECTURAL WINDOW SYSTEM	NYNEX Telephone
	JOHOYS	NYNEX Telephone
	MONOGRAPHS LTD	NYNEX Telephone
1993	ARTIGIANI INC	NYNEX Telephone
1988	BLEIWEISS CARL	NYNEX Telephone
	BRIZZI ANDREA	NYNEX Telephone
	DAVIS R	NYNEX Telephone
	DIAZ STEPHEN	NYNEX Telephone
	HAMILTON L ALEX	NYNEX Telephone
	HAMILTON L ALEX	NYNEX Telephone
	HARAN FRANK	NYNEX Telephone
	LIST L	NYNEX Telephone
	NATALE C	NYNEX Telephone
	PARK KUN S	NYNEX Telephone
	SAMAS RICHARD N	NYNEX Telephone
	WARNER HENRY	NYNEX Telephone
1983	ARMSTRONG DAVID	New York Telephone
	DAVIS L C	New York Telephone
	FEBUS LUNCHNET	New York Telephone
	FISHER RICHARD A	New York Telephone
	GRAY FISHER M	New York Telephone
	KRONICK DAVID M	New York Telephone
	SAMAS RICHARD N	New York Telephone
	STEWART-DANIELS G	New York Telephone
	TICE H & R	New York Telephone
	TYLER B	New York Telephone
	WALD FACTORS	New York Telephone
1978	FEBUS LUNCHNET	New York Telephone
1973	FEBUS LUNCHNET	New York Telephone
1963	BORNSTEIN SOL SEWG MACHS	New York Telephone
	JABLONS J SONS TLR TRMGS	New York Telephone
	JABLONS J SONS TLR TRMGS	New York Telephone
1958	ALPER SIMON LUNCHNET	New York Telephone
	BORNSTEIN SOL SEWG MACH	New York Telephone
	JABLONS J SONS TLR TRMNG	New York Telephone
1956	ALPER SIMON LUNCHNET	New York Telephone
	JABLONS J SONS TLR TRMGS	New York Telephone

FINDINGS

Year	Uses	Source
1956	SIDES MAX SEWNG MACHS	New York Telephone
	SIDES MAX SEWNG MACHS	New York Telephone
1950	ALPER SIMON LUNCHNET	New York Telephone
	JABLONS J SONS TLR TRMGS	New York Telephone
	MIDTOWN SEWING MACH CO	New York Telephone
	SIDES MAX SWNNG MACHNST	New York Telephone
	SIDES MAX SWNNG MACHNST	New York Telephone
1947	ALPER SIMON LNCHNET	New York Telephone
	JABLONS J SONS TLR TRMGS	New York Telephone
	MIDTOWN SEWING MACH CO	New York Telephone
	SIDES MAX SEWNG MACHNST	New York Telephone
	SIDES MAX SEWNG MACHNST	New York Telephone
1942	JABLONS J SONS TLR TRMGS	New York Telephone
	KURLAND JOE TRIMGS	New York Telephone
	LEVINE R MISS INCHIET	New York Telephone
1938	JABLONS J SONS TLR TRMGS	New York Telephone
	KURLAND JOE TRIMGS	New York Telephone
	MANDEL S LUNCH	New York Telephone
1931	KULOUNTZOS JAS P	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	JABLONS IRVING	New York Telephone
	JABLONS ISIDORE	New York Telephone
	JABLONS J SONS TLR TRMGS	New York Telephone

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Year	Uses	Source
1988	CONWAY PAUL	NYNEX Telephone
1978	AAA KLAUSNER MOVING & TRUCKG COLNC	New York Telephone
	DAVIDOW ROBT SEWG MACHS	New York Telephone
	HOLZMAN PAUL S CO	New York Telephone
	KLAUSNER H MOVG	New York Telephone
1973	AAA KLAUSNER MOVING & TRUCKG COLNC	New York Telephone
	ALPINE ELEC & MOTOR CO	New York Telephone
	DAVIDOW ROBT SEWG MACHS	New York Telephone
	KLAUSNER H MOVG	New York Telephone
1968	ANE ELEC & MOTOR CO	New York Telephone
	KLAUSNER H MOVG	New York Telephone
	SMITH ROBT E B	New York Telephone

FINDINGS

Year	Uses	Source
1963	AMALGAMATED SEWING MACH CO INC	New York Telephone
	HOLZMAN PAUL S CO	New York Telephone
	LEVIN MARTIN SEWNG MACHS	New York Telephone
	STEIN LOUIS AUCTNR	New York Telephone
1958	STEIN LOUIS AUCTNR	New York Telephone
	PRECISION HOOK CO INC	New York Telephone
	LEVIN MARTIN SEWNG MACHS	New York Telephone
	HOLZMAN PAUL S CO	New York Telephone
	HOLZMAN PAUL S CO	New York Telephone
1956	PRECISION HOOK CO INC	New York Telephone
	LEVIN MARTIN SEWRG MACHS	New York Telephone
	AMALGAMATED SEWING MACH CO INC	New York Telephone
	STEIN LOUIS AUCTNR	New York Telephone
1950	AMALGAMATED SEWING MACHINE CO	New York Telephone
	KENRON TRADING CO	New York Telephone
	KIRSCHNER SAM MACHNST	New York Telephone
	KRISILOFF AL SEWNG MACHS	New York Telephone
	LEVIN MEYER AUCTNR	New York Telephone
	SCHIFF CHAS K MACHNST	New York Telephone
	SHAMIEH WM A SEWNG MACHS	New York Telephone
1947	AMALGAMATED SEWING MACHINE CO	New York Telephone
	KRISILOFF AL SEWNG MACHS	New York Telephone
	LEVIN MEYER AUCTNR	New York Telephone
	SCHIFF CHAS K MACNNST	New York Telephone
	SHAMIEH WM A SEWNG MACHS	New York Telephone
1942	AMALGAMATED SEWING MACHINE CO	New York Telephone
	LEVIN MEYER AUCTNR	New York Telephone
	SCHIFF CHAS K MACHNST	New York Telephone
	SHAMIEH WM A SEWNG MACHS	New York Telephone
	SUPREME ELEC CO CONTRS	New York Telephone
1938	JONES PAUL S CO HOTL SUPLS	New York Telephone
	OHRBERG WM A CPA	New York Telephone

W 25 ST W

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Year	Uses	Source
1998	ROCCO VINCENT	NYNEX Telephone

W 25TH

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Year	Uses	Source
1934	Toro Virginia cigar mfr	R. L. Polk & Co.
1927	Lerner Jack trmngs	New York Telephone
1923	Golomb Saml M Golomb & Cohen	R. L. Polk & Co.
	Goldwasser M & Sons Morris & Hyman & Harry Goldwaser suits	R. L. Polk & Co.
1920	Cohen B & Bro Bernard Cohen cigarmfrs	R. L. Polk & Co.

105 W 25TH

Year	Uses	Source
1934	Goldfarb Harry carptr	R. L. Polk & Co.
	Silk Julius office fixtures	R. L. Polk & Co.
	Tudor Larry sewing mach	R. L. Polk & Co.
1927	Modern Pressing Co	New York Telephone
	Sporty M machines	New York Telephone
	University Tucking & Hemstichg Inc	New York Telephone
	Kroll L sewing machs & electric motors	New York Telephone
	Bimblick Woolf japng	New York Telephone
1923	American Style Tucking Co RTN Hersch Levin	R. L. Polk & Co.
	Mistretta Antonio embds	R. L. Polk & Co.
	Owl Button Wks RTN Irving J Schantz	R. L. Polk & Co.
	Schwartz H & Son Hyman & Roht furriers	R. L. Polk & Co.
1920	Daly Terence	R. L. Polk & Co.
	Monier Jules	R. L. Polk & Co.
	Zeldin Sydney Arenzy Braid Co	R. L. Polk & Co.
	Rothstein Jos Arenzy Braid Co	R. L. Polk & Co.

106 W 25TH

Year	Uses	Source
1934	Schneider Michl Inc Benj Schneider pres Jacob Bloohorcky v pres sec treas dress trimmings	R. L. Polk & Co.
	Schneider Benj pres Michl Schneider Inc	R. L. Polk & Co.
	Blochorcky Jacob sec treas Michl Schneider Inc	R. L. Polk & Co.
1927	Bratman Bros sign makers	New York Telephone
	Bergman Louis F plmbr	New York Telephone

FINDINGS

Year	Uses	Source
1923	Swift Thos v p Gloria Productions Inc h Princeton Hotel	R. L. Polk & Co.
	Swift Sign Co RTN Oscar Rosenaum	R. L. Polk & Co.
	Bergman Louis F plmhr	R. L. Polk & Co.
1920	Weinstein Chas signs	R. L. Polk & Co.
	Switt Sign Co RTN Irving Cohen Max Kastner Natlhan Schorr	R. L. Polk & Co.
	Schorr Nathan Swift Sign Co	R. L. Polk & Co.
	Panama Electric Co RTN Morris Kaplan Louis Hasenfeld	R. L. Polk & Co.
	Myers Alf S statistician Rockefeller Foundatoin h Upper Montclair NJ	R. L. Polk & Co.
	Myers Alf	R. L. Polk & Co.
	MacLauchlan Jos H v p treas Equity Engineering Co h St Georges SI	R. L. Polk & Co.
	Maclary Geo Z with Am T & T Co h Caldwell NJ	R. L. Polk & Co.
	MacLarnan I J	R. L. Polk & Co.
	Kastner Max Swift Sign Co	R. L. Polk & Co.
	Kaplan Morris Panama Electric Co	R. L. Polk & Co.
	Hasenfeld Louis Panama Electric Co	R. L. Polk & Co.
	Friebele Edw F est of Ella Friebele mgr printers	R. L. Polk & Co.
	Cohen Irving Swift Sign Co	R. L. Polk & Co.
	Chambers Bros Furrirs Inc NY Jas Chambers pres Moe Chambers sec treas	R. L. Polk & Co.
	Cohen A & S Adolph & Saml coats	R. L. Polk & Co.

107 W 25TH

Year	Uses	Source
1934	G & G Embroidery Works RTN Millie Goodstein Lily Kraus	R. L. Polk & Co.
	Holiday Sportwear Co RTN Saml Handel and Herman Strauch	R. L. Polk & Co.
	Hollander Bernard S Co RTN Bernard S Hollander buttons whol	R. L. Polk & Co.
	Kingsberg & Stern Abr Kingsberg and Bernard Stein mlny contrs	R. L. Polk & Co.
	Marvin Girl Coat Co Inc NY cap $5 000 Louis Karlisnky pres Louis Smilowitz sec treas	R. L. Polk & Co.
	Rit Zie Novelty Co RTN Fannie Leihoswitz wm Waxman mlnry mfg	R. L. Polk & Co.
	Schneiwelds Abr Rose tailor dresses	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Stanley Sportwear Herbert Sturman knitwear mfrs	R. L. Polk & Co.
	Wenger Wm with Cecele Dress Co	R. L. Polk & Co.
	Cecele Dress Co RTN L Wenger Murray Soloomn	R. L. Polk & Co.
	Apple Harry E Lily art novelties	R. L. Polk & Co.
	Barosin & Kaplan Abr Barosin Jos Kaplan Jacob Spivak cloaks	R. L. Polk & Co.
	Elite Passementerie House Jas Bonn	R. L. Polk & Co.
	Feinberg clks suits	R. L. Polk & Co.
1927	Royal Sponging Works	New York Telephone
	Schenco Dress Co	New York Telephone
	Schlecker & Becker furs	New York Telephone
	Seiden Benj S mfg furrier	New York Telephone
	Sigillo J dresses	New York Telephone
	Standard Silk House	New York Telephone
	Standard Weaving Co	New York Telephone
	T & U Mortgage Go Inc	New York Telephone
	Weitzman Greenwald & Simon furs	New York Telephone
	Barnard Dress Co	New York Telephone
	Droga A & Son chldrns coats	New York Telephone
	Everywomans Garment Co dresses	New York Telephone
	Friebele E F printer	New York Telephone
	Gold Max J	New York Telephone
	Goodstein Herman embdry	New York Telephone
	Hollander Bernard S butns	New York Telephone
	Kanter Saml furs	New York Telephone
	Manhattan Dress & Costume Co	New York Telephone
	Markofsky & Resnick furs	New York Telephone
	Mintz Bros & Bloomstein embdrs	New York Telephone
	Pendergast M J printer	New York Telephone
	Roma Dress Co Inc	New York Telephone
	Royal Onyx Shrinking Wks	New York Telephone
1923	Barnard Dress Co RTN Julius Wolfers	R. L. Polk & Co.
	Binder Isidor M coats	R. L. Polk & Co.
	Fergus Abr pres Royal Onyx Shrinking Wks Inc	R. L. Polk & Co.
	Freund Schlecker & Becker Benj Freund Morris Schlecker Louis Becker furs	R. L. Polk & Co.
	Hollander & Giteison Bernard S Hollaner Hyman Gitelson buttons	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1923	Kanter & Mameson Saml Kanter & Martin Mameson furriers	R. L. Polk & Co.
	L E & R Cloak C RTN David Littman Louis Enerfeld Jos Rochstein	R. L. Polk & Co.
	Magun Herman furrier	R. L. Polk & Co.
	Manhattan Dress & Costume Co RTN Peter & Frank Plazi	R. L. Polk & Co.
	Marks Louis treas Royal Onyx Shrinking Wks	R. L. Polk & Co.
	Pendergast Martin J printer	R. L. Polk & Co.
	Royal Cloth Sponging Wks TN Abr Fergus	R. L. Polk & Co.
	Seiden Chas furs	R. L. Polk & Co.
	Standard Silk House RTN Teiman & Usdan	R. L. Polk & Co.
	Teiman & Usdan Jos Teiman Morris Usdan sliks	R. L. Polk & Co.
	Teimbach Maud E investigator Bd Chlid Welfare h Winfield BQ	R. L. Polk & Co.
	Weissberger & Tilove Saml Weissberger Barnet Tilove dresses	R. L. Polk & Co.
	Winner Dress Co RTN Abr Leiderman Julius Winter	R. L. Polk & Co.
1920	Barnard Dress Co RTN Julius Wolfert Elias Kent	R. L. Polk & Co.
	Betty Dress Co RTN Paul Kaliner Jacob Stier	R. L. Polk & Co.
	Binder & Rosenblum Isidore Binder Simon Rosenblum coats	R. L. Polk & Co.
	Crescent Dress Co RTN Louis & Hyman Needelman	R. L. Polk & Co.
	Fairmont Dress & Costume Co TN Meyer & Geo Goldstein Morris Schleassel	R. L. Polk & Co.
	Gitelson Hyman Hollander & Gitelson	R. L. Polk & Co.
	Goldstein Geo Fairmount Dress & Costume Co	R. L. Polk & Co.
	Heller Freund & Carmel Harry Heller Benj Freund Milton Carmel furs	R. L. Polk & Co.
	Hollander & Gitelson Bernard S Hollanther Hy Hollanderman Gitelson buttons	R. L. Polk & Co.
	Johnson Bldg	R. L. Polk & Co.
	Kemp Elias Bernard Dress Co	R. L. Polk & Co.
	Kent Elias Bernard Dress Co	R. L. Polk & Co.
	Needelman Bros Louis & Hyamn dresses	R. L. Polk & Co.
	Needleman Hyman Crescent Dress Co	R. L. Polk & Co.
	Needleman Loius Crescent Dress Co	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1920	Novick & Levine Harry Novick Morris Levine cloaks	R. L. Polk & Co.
	Pendergast Martin J printer	R. L. Polk & Co.
	Rosenblum Simon Binder & Rosenblum	R. L. Polk & Co.
	Rothschild Kuno Button Works RTN Mever Rothschild Richd Kuno	R. L. Polk & Co.
	Seiden Chas furs	R. L. Polk & Co.
	Siegel & Maisel Saml Siegel Louis Maisel furs	R. L. Polk & Co.
	Silber & Mameson Albert Silber Martin Mameson furriers	R. L. Polk & Co.
	Standard Silk House RTN Jos Teiman Morris Usdan silks	R. L. Polk & Co.
	Weissberger & Tilove Saml Weissberger Barnett Tilove dresses	R. L. Polk & Co.
	Zelikow M & M Morris & Max coats	R. L. Polk & Co.

108 W 25TH

Year	Uses	Source
1934	Berkowitz Irving & Co Inc cap $ 30 000 Irving Berkowitz pres sewing mach	R. L. Polk & Co.
	Feigenbaum Edw L Palmy Dress Co	R. L. Polk & Co.
	Goldstein & Bodstenstin Frank W Goldstein & Frank Bodestrin clo mtrs	R. L. Polk & Co.
	Hanna Dress Co RTN Hyman Levine	R. L. Polk & Co.
	Hanna Drexel Elsa chief clk Underwood Elliott Fisher Co r Jersey City NJ	R. L. Polk & Co.
	Jacobs & Deluca Philip Jacobs Mack Deluca clo mfs womens and misses	R. L. Polk & Co.
	Levine H pres Levien & Co Inc	R. L. Polk & Co.
	Levine H & Co Inc H Levine pres Clock mfrs	R. L. Polk & Co.
	Levine H B sec M H Fishman Co Inc r Jersey City NJ	R. L. Polk & Co.
1927	Ambrosino Theo cts & sts	New York Telephone
	Antman Abr furrier	New York Telephone
	Bloom & Goldstein cloaks	New York Telephone
	Charmante Dress Co Inc	New York Telephone
	Fink Leibowitz & Staub Inc furs	New York Telephone
	Holtzman Isidore fur mfr	New York Telephone
	Klepner S & Sons furs	New York Telephone
	Lapkin & Belink clks sts	New York Telephone
	Markwell Coat Co Inc	New York Telephone

FINDINGS

Year	Uses	Source
1927	Marmorek Simon acctnt	New York Telephone
	Schwartz Leon furs	New York Telephone
	Simkin A D & Co cloaks	New York Telephone
1923	Miele Danl Watkins Cloak Co	R. L. Polk & Co.
	Morsoff Benj furs	R. L. Polk & Co.
	Schiff & Kornbluth Gertrude Schiff & Harry Kornbluth dresses	R. L. Polk & Co.
	Sloat M Co RTN Morris Sloat petticoats	R. L. Polk & Co.
	Steinhacker Wm furs	R. L. Polk & Co.
	Steinreich Louis Ligit & Adler	R. L. Polk & Co.
	Vogel Weiss & Co Robt Vogel Saml Weiss Bertha Kotler coats	R. L. Polk & Co.
	Watckins Cloak Co RTN Danl Miele Barney Yudelowitz Jacob Dublirer	R. L. Polk & Co.
	Wendorf A & Co Abr Wendorf suits	R. L. Polk & Co.
	Yudelowitz Barney Watckins Cloak Co	R. L. Polk & Co.
	Chambers Bros Inc NY Jos Chambers pres Moses Chambers sec furries	R. L. Polk & Co.
	CHAMBERS CHARLES Treas & Counsel Investors Service & Audit Inc h Bkn	R. L. Polk & Co.
	Cohen A & S Abr & Saml cloaks	R. L. Polk & Co.
	Dublirer Jacob Watkins Cloak Co	R. L. Polk & Co.
	Glassheim Geo N furs	R. L. Polk & Co.
	Hauer & Laufer Hellel Hauer & Jacob Laufer cloaks	R. L. Polk & Co.
	Klepner S & Sons Saml Hy & Irving Klepner furs	R. L. Polk & Co.
	Kleppe Karl A pres P Kleppe & Co Inc h Bkn	R. L. Polk & Co.
	Light & Adler Abr Light Louis Steinmich Jos L Adler clothing	R. L. Polk & Co.
1920	Glassheim Geo N furs	R. L. Polk & Co.
	Klepner Saml & Sons Saml Hy & Irving raw furs	R. L. Polk & Co.
	London Coat House RTN Regina A Vogel	R. L. Polk & Co.
	Marsoff Benj furs	R. L. Polk & Co.
	Oxford Cloak Co RTN Jacob Mittenthal	R. L. Polk & Co.
	Pearlstein Chas S cloaks	R. L. Polk & Co.
	Rauch Bros Isaac & Wm suits	R. L. Polk & Co.
	Schiff & Kornbluth Gertrude Schiff Harry Kornbluth dresses	R. L. Polk & Co.
	Sloat M Co Morris Sloat petticoats	R. L. Polk & Co.
	Stenhacket Wm furs	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1920	Ungar Waist Co RTN Isador Ungar	R. L. Polk & Co.
	Wendorf A & Co Abram Wendorf cloaks	R. L. Polk & Co.

109 W 25TH

Year	Uses	Source
1927	Cohen & Lichter lds clks	New York Telephone

110 W 25TH

Year	Uses	Source
1934	Russell Homes Corp NY: cap $600 Henry Sonn pres Roscol R Rowe v pres Wm D sec Jos C Koenigsberg real est	R. L. Polk & Co.
1923	Alexander Smith & Wegner Jos Alexander Chas Smith Sol Wagner cloaks	R. L. Polk & Co.
	Aronoff Thrkewich & slavin Harry Aronoff Aaron Turkenwich and wm Slavin dress	R. L. Polk & Co.
	Pearlstein Chas coats	R. L. Polk & Co.
	Rabinowitz & Podvoll Nathan Rabinowitz Max Podvoll furriers	R. L. Polk & Co.
	Thomasian Arsen embdy	R. L. Polk & Co.
	Crakow L N Mr & Mrs Louis N & Hattie L res buyers	R. L. Polk & Co.
1920	Jay Eff Jobbing Co RTN Jos clk	R. L. Polk & Co.

111 W 25TH

Year	Uses	Source
1934	Itzkowitz M & Sons Inc NY cap $10 000 Jacob Itzkowitz pres & sec Saml Itzkowitz v pres treas sewing machines	R. L. Polk & Co.
1927	Halpren P S ctn gds	New York Telephone

113 W 25TH

Year	Uses	Source
1923	Johnson & Bullock Inc NY Wm G Bullock pres Hollis B Wade v p Jas Moffet sec flour	R. L. Polk & Co.

115 W 25TH

Year	Uses	Source
1934	Ehrlich Howard cigars	R. L. Polk & Co.
	Earle Display Fixture Co RTN Isidor Rabinowitz Ellis Morres display fixtures	R. L. Polk & Co.
	Br	R. L. Polk & Co.
1927	Reiff & Shnell furs	New York Telephone

Year	Uses	Source
1927	Kirschner Saml furs	New York Telephone
	Blum & Green furs	New York Telephone
	Spikler B furs	New York Telephone
1920	Siegenfelds Embroidery Wks RTN Saml Siegenfelds	R. L. Polk & Co.
	Metric & Charnoff Saml Metric Saml Charnoff trimmings	R. L. Polk & Co.
	Litwak Israel restr	R. L. Polk & Co.
	Charnoff Saml Metric & Charnoff	R. L. Polk & Co.
	Anchor Button Works RTN Jacob Chipkin Jacob Ulrich	R. L. Polk & Co.

116 W 25TH

Year	Uses	Source
1927	Chovnick Printing Co	New York Telephone
1923	Forbier A W treas Hy Maillard Inc	R. L. Polk & Co.
	Warren M J sec Hy Maillard Inc	R. L. Polk & Co.
	Gleeson C G v p Hy Maillard Inc	R. L. Polk & Co.
	Miannav E G v p Maillard Inc	R. L. Polk & Co.

117 W 25TH

Year	Uses	Source
1934	A A Contracting Co RTN Sam Greenberg Harry Goldfarb	R. L. Polk & Co.
	Ace Sign Co Inc Benj Shames pres treas	R. L. Polk & Co.
	Bergman Louis F & Son RTN Robt G Bergman plmbrs	R. L. Polk & Co.
	Chelsea Electric Co RTN Philip Winograd Nath Sacherson	R. L. Polk & Co.
	Greenberg Harry express	R. L. Polk & Co.
	Roxy Show Rooms RTN Sol Bornstein office furn	R. L. Polk & Co.
	Roxy Van & Express Corp NY cap $10 000 Sol Bornstein pres trucking	R. L. Polk & Co.
	S B Trucking TN; Sol Bornstein	R. L. Polk & Co.
	Shames Modernistic Carved Glass Co	R. L. Polk & Co.
1927	Ackerman Fligler & Shuster furs	New York Telephone
	Armstrong R J & Co theatrical trimmings	New York Telephone
	Landrieu P imptr exptr	New York Telephone
1923	Eskin Mfg Co Inc NY David Eskin pres Aaron Kasanoff sec Nathan Kisanoff treas dresses	R. L. Polk & Co.
	Eskin Sadie bkpr Jos H Schwartz r Bkn	R. L. Polk & Co.

Year	Uses	Source
1923	Weinstein Louis Co RTN Louis Weunstein cloak	R. L. Polk & Co.
1920	Daarf Contracting Co N Y Emil Fraad pres treas Elsie R Fread v p Felix Liebler sec bldrs	R. L. Polk & Co.
	Gottlieb Jacob bldr	R. L. Polk & Co.
	Herz Express Co Inc NY Abram Herz pres treas Edgar Willner sec	R. L. Polk & Co.

118 W 25TH

Year	Uses	Source
1934	Coy Helen	R. L. Polk & Co.

119 W 25TH

Year	Uses	Source
1934	Breslin M B sec treas L & L Cloth Examiners Shrinkers & Refinishers	R. L. Polk & Co.
	Cohen Jacob pres King Innovations Inc	R. L. Polk & Co.
	Crown Card & Paper Co Max Stuckelman Jacob Greenwald	R. L. Polk & Co.
	Expert Cloth Sponging Co Inc NY cap $20 000 Sol Miller pres Louis Siegel sec treas	R. L. Polk & Co.
	Feinsil Dress RTN Isidore Feinstein	R. L. Polk & Co.
	Glassheim Bros Inc NY cap $20 000 Maurice I Glassheim pres Leonard Glassheim sec treas mlnry braid mfrs	R. L. Polk & Co.
	Kaplan Irving Irving Printing Co	R. L. Polk & Co.
	Kessler Press RTN Ruth Kessler	R. L. Polk & Co.
	Kessler Ruth Kessler Press	R. L. Polk & Co.
	King Innovation Inc NY Jacob Cohen pres Gus R Rona v pres Alex Burkes sec treas	R. L. Polk & Co.
	Quality Tucking & Hemstitching Co RTN Sidney Fingerman	R. L. Polk & Co.
	Rubenstein S steam appliances	R. L. Polk & Co.
	Rubenstein Sylvia Mrs steam supplies	R. L. Polk & Co.
	Sewing Machine Trading Corp of New York NY cap $10 000 Chas Levine pres Abr Levine sec treas Sewing machs	R. L. Polk & Co.
	Three Bee Dress Co RTN; Wm Blum Benj Bernstein Kate Berkowitz	R. L. Polk & Co.
	United Lamp & Shade Co RTN Sidney Volansky	R. L. Polk & Co.
	Welsh Elevator & Machine Works John E Macmillan	R. L. Polk & Co.
1927	Zydney & Breslin	New York Telephone

FINDINGS

Year	Uses	Source
1927	Adore Dress Co	New York Telephone
	Beckerman & Ende furs	New York Telephone
	Breslin M B	New York Telephone
	Cohen I furs	New York Telephone
	Coroff S furs & skins	New York Telephone
	Diamond & Chanin drses	New York Telephone
	Dobkin Richard dresses	New York Telephone
	Emeth Realty Corp	New York Telephone
	Galuten Bros furs	New York Telephone
	Gloria Fancy Pleating & Pattern Co	New York Telephone
	Gordon Louise Mrs embdry	New York Telephone
	Hirschfield D & Bros furs	New York Telephone
	Hoffman Henry T fur robes	New York Telephone
	Kivell Bros	New York Telephone
	L & L Cloth Examiners Shrinkers & Refinishers Inc	New York Telephone
	L & R Dress Co	New York Telephone
	Levy & Lockwood	New York Telephone
	Liss Max	New York Telephone
	Loeb & Weintraub furriers	New York Telephone
	Pokart H furs	New York Telephone
	Proper Made Dress Co	New York Telephone
	Pugatch Bros furs	New York Telephone
	Quality Tucking & Hemstitching Co	New York Telephone
	Schachter & Elukin furs	New York Telephone
	Schechtman & Frasso cts	New York Telephone
	Schwartz Bros furs	New York Telephone
	Seresky & Son mfrs furs	New York Telephone
	Sharkey & Ratner raincoats	New York Telephone
	Siegel Harry dresses	New York Telephone
	Sprechman Saml furrier	New York Telephone
	Steinmarder M furs & skins	New York Telephone
	Stephens D r	New York Telephone
	Thomasian Arsen embdry	New York Telephone
	Thomasian Levon rugs	New York Telephone
	Warerooms	New York Telephone
	Thomasian Levon rugs	New York Telephone
	Turkenitz Isidor drses	New York Telephone
	Welsh Elevator & Machine Wks	New York Telephone

FINDINGS

Year	Uses	Source
1927	Welsh Elevator & Machine Wks	New York Telephone
	Womans Wear Novelty Co	New York Telephone
	Worth While Dress Co Inc	New York Telephone
	Zydney Morris	New York Telephone
1923	AMERICAN RAILWAY EXPRESS CO Del George C Taylor Pres F P Small Soc and Asst to Pres F S Holbrook V Pres Treas W B Clark Asst to Pres and Asst Sec R E M Cowlo E A Stedmun	R. L. Polk & Co.
	Beigel Dress Co Inc NY	R. L. Polk & Co.
	Beigel Sigmund Claire Dress Co	R. L. Polk & Co.
	Besty Jane Dress Co RTN Philip & Harry Cooperskin David Feinstein	R. L. Polk & Co.
	Bloom Louis Inc N Y Louis Bloom pres clothing	R. L. Polk & Co.
	Clair Dress Co RTN Sigmund Beigel	R. L. Polk & Co.
	Faust Jos Firstenberg & Faust	R. L. Polk & Co.
	Firstenberg Fur Co Firstenberg & Faust	R. L. Polk & Co.
	Firstenberg & Faust Morris Firutenberg & Jos Faust cloaks & Suits	R. L. Polk & Co.
	Firstenberger Max A Spruce Leather Co h Bkn	R. L. Polk & Co.
	Galuten Bros Max & Isidor furs	R. L. Polk & Co.
	Galuten Isidor Galuten Bros	R. L. Polk & Co.
	Galuten Max Gaulten Bros h Bkn	R. L. Polk & Co.
	Galuten Pauline treas Rosenthal & Beckerman Inc h Bkn	R. L. Polk & Co.
	Gittleman Wm clk	R. L. Polk & Co.
	Dochter Harry Gittleman & Morris Dochter suits	R. L. Polk & Co.
	Hoffman & Soloman Wm Hoffman Jos Soloman furs	R. L. Polk & Co.
	Katz Louis dresses	R. L. Polk & Co.
	Laguna & Miller Inc NY Benj Lagauna prse Nthan Miller see cloaks	R. L. Polk & Co.
	Leading Shirt Waist Co RTNDavid Feinstein Harry & Philip Cooperstein	R. L. Polk & Co.
	Libow Bloom Co TN Robt Libow Louis Blom coats	R. L. Polk & Co.
	Miles Engraving Co Inc NY Jacob Miles pres David Cohen sec Louis Miles treas	R. L. Polk & Co.
	Nackman Louis Rosenberg & Nackman	R. L. Polk & Co.
	Nechamkin Fur Co RTN H Nechamkin & Sons	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1923	Nechamkin H & Sons Jacob Nechamkin Jos Moscoff furriers	R. L. Polk & Co.
	Nechamkin Jacob H Nechamkin & Sons h Bkn	R. L. Polk & Co.
	Pahl Jno L Co Inc N Y Jno L Pahl pres Geo H Hoyt sec clothing	R. L. Polk & Co.
	Queen Petriloat Mfg Co RTN Melcon A Karaian	R. L. Polk & Co.
	Regina Dress Co TN Edward Dobkin	R. L. Polk & Co.
	Rosenbergi & Nackman Al Rosenberg and Louis Nackman trimmings	R. L. Polk & Co.
	Seamon Max drasses	R. L. Polk & Co.
	Seidmans S Sons Chas Seidman braids	R. L. Polk & Co.
	Silbowitz & Nisnevitz Benj Silbowitz Saml Nisnevitz cloaks	R. L. Polk & Co.
	Wise Fuchs & Fruchtn Isaac Wise Harry Fuchs Benj Fruchtn furs	R. L. Polk & Co.
1920	Betsy Ross Dress Co RTN David Feinstoin Harry & Philip Cooperstein	R. L. Polk & Co.
	Cohen David photo engraver	R. L. Polk & Co.
	Crakow L N com mer	R. L. Polk & Co.
	Fox Ledarer & Co Inc NY Wm Lederer pres Hy C Fox sec cap mfrs	R. L. Polk & Co.
	Galuten Irving Galuten Bros	R. L. Polk & Co.
	Hoffberg Fur Coat Co Inc NY Albert Hoffberg pres Saml M Hoffberg sec	R. L. Polk & Co.
	Kasindorf & Meyers Herman Kasindorf Bernard L Meyers furs	R. L. Polk & Co.
	Laskin J & Sons Jacob Elmer Louis J Arth E & Myron furs	R. L. Polk & Co.
	Laskin Louis J J Laskin & Sons h Mt Vernon NY	R. L. Polk & Co.
	Leading Shirtwaist Co RTNHarry & Philip Cooperstein & David Feinstein	R. L. Polk & Co.
	Miles Benj with Miles Engraving Co Inc	R. L. Polk & Co.
	Miles Engraving Co Inc NY Jacob Miles pres Louis Miles v p treas David Cohen sec	R. L. Polk & Co.
	Nechamkin H & Son Hyman & Jacob furs	R. L. Polk & Co.
	Neiman B & Co Benj & Irving Neiman dresses	R. L. Polk & Co.
	Queen Petticoat Mfg Co RTN Melcon A Karalan	R. L. Polk & Co.
	Thomasian Arsen embds	R. L. Polk & Co.
	Waller Aaron A mgr Kalmus Bros Inc	R. L. Polk & Co.

120 W 25TH

Year	Uses	Source
1934	American Buttonhole Co Inc NY cap $1 000 Victor Latto pres treas Morris Harris v pres Edw Latt sec	R. L. Polk & Co.
	Commercial Sewing Machine Co RTN Geo Minkowitz Saml Minkowitz	R. L. Polk & Co.
	Harris Morris v pres Amer Buttonhole Co Inc	R. L. Polk & Co.
	Jablons J Sons RTN Irving and Isidore tailors	R. L. Polk & Co.
	Latto Edw sec Amer Buttonhole Co Inc	R. L. Polk & Co.
	Latto Victor pres treas Amer Buttonhole Co Inc	R. L. Polk & Co.
	Latton Arth mgr Brookfield Linen Co Ltd r Hoboken NJ	R. L. Polk & Co.
1927	Hartsdale Canine Cemetery	New York Telephone
	La Rose Stitching & Pleatg Co	New York Telephone
	N Y Veterinary Hospital	New York Telephone
	Reeffs H Bakery & Dairy Rest Inc	New York Telephone
	Stadlers Restaurant	New York Telephone
1923	Silverstein Harry dresses	R. L. Polk & Co.
	Hartsdale Canine Cemetery Inc N Y Saml K Johnson pres Irene White sec Jno F Dunseith treas	R. L. Polk & Co.
	Hartsfeld Louis treas S J Hartsfeld Co Inc h Bkn	R. L. Polk & Co.
	Hartsfeld Seymour J pres S J Hartsfeld Co Inc h Bkn	R. L. Polk & Co.
	R A & R Restaurant TN Saml Allfang Sadle Rosenberg	R. L. Polk & Co.
	New York Veterinary Hospital RTNSaml K Johnson	R. L. Polk & Co.
1920	Dunseith Jno F sec Hartsdale Canine Cemetery Inc	R. L. Polk & Co.
	Friedman Philip restr	R. L. Polk & Co.
	Hartsdale Canine Cemetery Inc NY Saml K Johnson pres treas Jno F Dunseith sec	R. L. Polk & Co.
	Hundert & Friedman Nathan Hundert Philip Friedman restr	R. L. Polk & Co.
	New York Veterinary Hospital RTN Saml K Johnson	R. L. Polk & Co.

121 W 25TH

Year	Uses	Source
1927	Holman B Inc furs	New York Telephone

Year	Uses	Source
1927	Holman B Inc furs	New York Telephone

122 W 25TH

Year	Uses	Source
1934	Maunz Geo v pres Reed & Keller Inc	R. L. Polk & Co.
	Reed & Keller Inc NY cap $32 000 Irving Jablons pres Geo Maunz v pres Abr Jablons sec Isidor Jablons treas florists supplies	R. L. Polk & Co.
1927	Jablons Isidore florists sup	New York Telephone
	Reed & Keller firsts supp	New York Telephone
	Maurz George flrst sup	New York Telephone
1923	Reed & Koller Inc NY Wm N Reed pres Saml Keller treas florist Supplies	R. L. Polk & Co.
1920	Reed & Keller Inc NY Wm N Reed pres Adele Reed sec Saml Keller treas florists	R. L. Polk & Co.

124 W 25TH

Year	Uses	Source
1934	Kurland Jos Mary trimmings	R. L. Polk & Co.
	Hechtenthal Louis restr	R. L. Polk & Co.
	Hechlanthal Louis Sadie restr	R. L. Polk & Co.
	Kurland Jos Mary trimmings	R. L. Polk & Co.
1931	Kulountzos Jas P	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Jablons J Sons tlr trmgs	New York Telephone
	Jablons Irving	New York Telephone
	Jablons Isidore	New York Telephone
1923	Nathan Gus Inc N Y novelties	R. L. Polk & Co.
	Lightning Jewelry Co Inc Herman Freedman pres Jos Bornfeld treas jewelry	R. L. Polk & Co.
	Jablons J Sons Irving and Isidor Jablons tailor trimmings	R. L. Polk & Co.
1920	Sweid & Brenner Herman Sweid Matilda Brenner embdrs	R. L. Polk & Co.
	Platek Saml delicatessen	R. L. Polk & Co.
	Jablons I & Son Isidore & Irving Jablons trimmings	R. L. Polk & Co.
	Calongo Andrea fruits	R. L. Polk & Co.

125 W 25TH

Year	Uses	Source
1934	McMillan Jas E Marine Electrical & Repair Wks	R. L. Polk & Co.

Year	Uses	Source
1934	Marine Electrical & Repair Works Jas E McMillan steam supplies	R. L. Polk & Co.
1923	Barzilay David T Metropolitan Sponging Corp	R. L. Polk & Co.
	Goorfin Harry pres and treas H Goorfin & Co Inc	R. L. Polk & Co.
	Madison Cloth Sponging Co Inc NY Jno A Dyshe pres Abr Oreutly sec treas	R. L. Polk & Co.
	Goorfin & H Co Inc N Y Harry Goorfin pres and treas furs	R. L. Polk & Co.
	Metropolitan Sponging Corp N Y Jno A Dyche pres Julius Wessel sec David Barzelay treas	R. L. Polk & Co.
1920	Elsner Anna	R. L. Polk & Co.

W 25TH FL

119 W 25TH FL

Year	Uses	Source
1934	Sonn Henry pres Henry Sonn & Co Inc	R. L. Polk & Co.

W 25TH H BKN

105 W 25TH H BKN

Year	Uses	Source
1923	Hisrch Abr threads	R. L. Polk & Co.

111 W 25TH H BKN

Year	Uses	Source
1923	Halpern Paul S cotton gds	R. L. Polk & Co.

125 W 25TH H BKN

Year	Uses	Source
1923	Berlin Nathan furs	R. L. Polk & Co.

W 25TH H DO

105 W 25TH H DO

Year	Uses	Source
1920	Monnier Julius restr	R. L. Polk & Co.

FINDINGS

W 25TH H PELHAM NY

120 W 25TH H PELHAM NY

Year	Uses	Source
1920	Johnson Saml K vet surg	R. L. Polk & Co.

W 25TH ST

100 W 25TH ST

Year	Uses	Source
2008	JOHN WELLS	Cole Information Services

101 W 25TH ST

Year	Uses	Source
2013	LOCKSMITH	Cole Information Services
2008	ANGELIC FOODS INC	Cole Information Services

102 W 25TH ST

Year	Uses	Source
2013	MIDTOWN CANDY & STATIONARY	Cole Information Services

103 W 25TH ST

Year	Uses	Source
2013	GOODWILL	Cole Information Services

104 W 25TH ST

Year	Uses	Source
1983	Continentk Sewing Supl Co	New York Telephone

106 W 25TH ST

Year	Uses	Source
2000	INTER ALLD SLS CO	Cole Information Services
1983	Inter Allied Sales Co	New York Telephone

107 W 25TH ST

Year	Uses	Source
2013	BIOMEDIA INCORPORATED	Cole Information Services
2008	DIXIE FOAM LTD	Cole Information Services
	PUBLIC SYSTEMS INC	Cole Information Services
	J & M STUDIO PHOTO	Cole Information Services
2006	Number 58 Eck Michael	Hill-Donnelly Information Services
	Number 5 A H Futterman J a	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2006	Number 6 E h Hodder H	Hill-Donnelly Information Services
	Number 3 A 3 & M Studio Photo i s as	Hill-Donnelly Information Services
	Number 3 AH Krinke Michael	Hill-Donnelly Information Services
	Number 2 E H Lepcio A	Hill-Donnelly Information Services
	Mark K	Hill-Donnelly Information Services
	Number 6 C Mcauliffe Joseph	Hill-Donnelly Information Services
	Number 3 E Meikle Sarah 0 05os	Hill-Donnelly Information Services
	Nordstrom C	Hill-Donnelly Information Services
	Pacheco Lenny	Hill-Donnelly Information Services
	Number 48 h Plympton Bill A	Hill-Donnelly Information Services
	Number 5 C H Reid W L	Hill-Donnelly Information Services
	Number 2 E H Seippel L	Hill-Donnelly Information Services
	Number 4 C Summer Jill v`	Hill-Donnelly Information Services
	Number 60 h Tracy Michael L	Hill-Donnelly Information Services
	h Travis Jeremy	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Number 6 A h Ash M	Hill-Donnelly Information Services
	Number 5 E Ashworth C	Hill-Donnelly Information Services
	Number 4D h Bobrow Andrew C	Hill-Donnelly Information Services
	Number 4 A Button Tim A	Hill-Donnelly Information Services
	Chelsea Antiques & Showcase	Hill-Donnelly Information Services
	Number 3 B H Cummings Laird a	Hill-Donnelly Information Services
	Cummings Laird	Hill-Donnelly Information Services
	Demos Gregory	Hill-Donnelly Information Services
	Number 2 A Demos Gregory va	Hill-Donnelly Information Services
2000	M ASH	Cole Information Services
	4D ANDREW C BOBROW	Cole Information Services
	TIM BUTTON	Cole Information Services
	3B LAIRD CUMMINGS	Cole Information Services
	38 LAIRD CUMMINGS	Cole Information Services
	S EHRENS	Cole Information Services
	PAUL FELDSHER	Cole Information Services
	5A A FUTTERMAN	Cole Information Services
	2D ORNA GURALNIK	Cole Information Services
	6E HOLLY HODDER	Cole Information Services
	K JACKSON	Cole Information Services
	N KRIKELLAS	Cole Information Services
	3A MICHAEL KRINKE	Cole Information Services

FINDINGS

Year	Uses	Source
2000	2E A LEPCIO	Cole Information Services
	38 K MARK	Cole Information Services
	4D C NORDSTROM	Cole Information Services
	4B BILL PLYMPTON	Cole Information Services
	5E BILL REID	Cole Information Services
	A2E L SEIPPEL	Cole Information Services
	4C KAREN SKURKA	Cole Information Services
	5E GREGORY W TAYLOR	Cole Information Services
	6D MICHAEL L TRACY	Cole Information Services
	JEREMY TREVIS	Cole Information Services
	J WIELAND	Cole Information Services
	3C ALAN WOLMARK	Cole Information Services
	J & M STUDIO PHOTO	Cole Information Services
	KAPLAN S SEW MACH	Cole Information Services
1983	Slater Lionel	New York Telephone
	AAA Klausner Moving & Truckg Co Inc	New York Telephone
	Lefton Ribbon Corp	New York Telephone

108 W 25TH ST

Year	Uses	Source
2013	RCR ANTIQUE & ARTS	Cole Information Services
2008	RCR ANTIQUE & ARTS	Cole Information Services
2006	Antoni Robert	Hill-Donnelly Information Services
	Dezer Properties Co I F o	Hill-Donnelly Information Services
	Freeman Sharron a	Hill-Donnelly Information Services
	RCR Antique &Arts	Hill-Donnelly Information Services
	H Rosenblattl	Hill-Donnelly Information Services
	H Williams R	Hill-Donnelly Information Services
2000	ANTQS RESTOR JIN	Cole Information Services
	CHRIS ELLS COLLECT	Cole Information Services
	DEZER PRPRTS CO	Cole Information Services
	JULIAN ANTIQUES	Cole Information Services
	MEYANS SUSANA	Cole Information Services
	NEW PGD SPCLTY INC	Cole Information Services
	NEW PGD SPCLTY INC	Cole Information Services
	RCR ANTIQUE & ARTS	Cole Information Services
1983	Cook Rod	New York Telephone
	Boutique Handbags Co	New York Telephone
	Da Vinci Press Inc	New York Telephone

FINDINGS

Year	Uses	Source
1983	Fray Offset Prntng Co	New York Telephone
	Kaplan S Sewing Machine Co Inc	New York Telephone
	MGM Litho Inc	New York Telephone
	Pilvax Prntng Corp	New York Telephone
	Randy	New York Telephone
	RELIABLE ATTACHMENT CO INC	New York Telephone
	True Dot Inc	New York Telephone
	Umans Marty	New York Telephone

109 W 25TH ST

Year	Uses	Source
2013	I & A ANTIQUES & COLLECTIBLES	Cole Information Services
	OFIS HOLDINGS	Cole Information Services
2008	CICOMAR TRADING INC	Cole Information Services
2006	Cicic Ivan I R	Hill-Donnelly Information Services
	I & A Antiques & Collectibles	Hill-Donnelly Information Services
1983	Intercontinental Leather Machinery	New York Telephone
	Globe Sewing Machine Corp	New York Telephone

110 W 25TH ST

Year	Uses	Source
2013	ILLUSTRATION HOUSE INCORPORATED	Cole Information Services
	MAVEN GALLERY	Cole Information Services
2008	CHELSEA ANTIQUES BUILDING	Cole Information Services
	VERDI ANTIQUES	Cole Information Services
2006	Multi Unit Address	Hill-Donnelly Information Services
	Number PH H Bewtra N v	Hill-Donnelly Information Services
	Delios Room	Hill-Donnelly Information Services
	h Hagan Stein Erik L	Hill-Donnelly Information Services
	Illustration House Inc 1 R	Hill-Donnelly Information Services
	Number 304 A Keya Gallery i oo	Hill-Donnelly Information Services
	Number 5 H Lazarus Jeffrey T A	Hill-Donnelly Information Services
	Maven Gallery 1 R	Hill-Donnelly Information Services
	Number 3 h Mertel Tim	Hill-Donnelly Information Services
	Number 9 H Messner 3 K	Hill-Donnelly Information Services
	Number 4 H Moriarty P	Hill-Donnelly Information Services
	Peters CJ 1 R	Hill-Donnelly Information Services
	Raissa o	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2006	Number 8 Rosenblatt Jon	Hill-Donnelly Information Services
2000	JEFFREY NACHAMIE	Cole Information Services
	AA ANTIQUE	Cole Information Services
	ANTIQUE STEPHANIE	Cole Information Services
	ANTIQUES GALLERY	Cole Information Services
	APPEL ART & ANTQS	Cole Information Services
	ASIATTIC INC	Cole Information Services
	BRANDON & CO ANTQS	Cole Information Services
	C J PETERS	Cole Information Services
	CARL COINS & STAMPS	Cole Information Services
	CHELSEA ANTQS BLDG	Cole Information Services
	THE CLOCK DOC	Cole Information Services
	COOKIE JARS ETC	Cole Information Services
	COUNTRY CSNS ANTQS	Cole Information Services
	DANNYS RECORDS	Cole Information Services
	DAVIS VINTAGE	Cole Information Services
	DAVIS VINTAGE PENS	Cole Information Services
	DRAGON ANTIQUES	Cole Information Services
	DUPREES	Cole Information Services
	FEVGIN ARKDY ANTQ	Cole Information Services
	FORTY FIFTY SIXTY	Cole Information Services
	GINNANE-GSBRR PLN	Cole Information Services
	GREDLER JOH J	Cole Information Services
	HAM FEE BANG HOUSE	Cole Information Services
	HARVEY LOLA BRBR	Cole Information Services
	ICON HOUSE	Cole Information Services
	J R STAMPS	Cole Information Services
	JENSEN SOREN	Cole Information Services
	JEROME WILSON	Cole Information Services
	JULIANS BOOKS	Cole Information Services
	KEYA GALLERY	Cole Information Services
	KHMELNITSKY GRGRY	Cole Information Services
	KIMCHEROVA	Cole Information Services
	KUSHNIRSKY OLEG	Cole Information Services
	M E COLLINS	Cole Information Services
	MAMERES ATTIC INC	Cole Information Services
	MANSA MUSSA	Cole Information Services
	MARIE MENAGERIE	Cole Information Services

FINDINGS

Year	Uses	Source
2000	MARKCO	Cole Information Services
	MAVEN GALLERY	Cole Information Services
	MERCE CRDR ANTQS	Cole Information Services
	MONTES MILITARIA	Cole Information Services
	NYCS ANTIQUES NEWS	Cole Information Services
	OK COLLECTIONS	Cole Information Services
	PARKER LRY GRG BP	Cole Information Services
	QUINCY	Cole Information Services
	RAISSA	Cole Information Services
	RETRO METRO	Cole Information Services
	ROCCO VINCENT	Cole Information Services
	ST IVES COLLECTION	Cole Information Services
	SAMS PL ANTIQUES	Cole Information Services
	STEPHANIES ANTQS	Cole Information Services
	STERN NATALIE	Cole Information Services
	THE PRCLN RM INC	Cole Information Services
	THIS N THAT ANT	Cole Information Services
	TISHS TRSRS ANTQS	Cole Information Services
	25TH ST CLLCTBLS	Cole Information Services
	ULTMT CLN OUT SERV	Cole Information Services
	UNEXPECTED JOY INC	Cole Information Services
	VERDI VNCNT ANTQS	Cole Information Services
	VLADIMIRS ANTIQUES	Cole Information Services
	WATCH IT ANDR BRGS	Cole Information Services
	WAVES	Cole Information Services
	Y & D MAYER ANTQS	Cole Information Services
1983	K & R Prudential Prntng	New York Telephone
	Multi Graphic Press Inc	New York Telephone
	Trade Prntng Corp	New York Telephone
	Young James b	New York Telephone

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Year	Uses	Source
2013	NEW YORK GALLERIES ANTIQUES	Cole Information Services
2008	ZUCKERMAN SAM SEWING MACH	Cole Information Services
	NEW YORK GALLERIES ANTIQUES	Cole Information Services
2006	Sam Zuckerman Sewing Machine	Hill-Donnelly Information Services
	New York Galleries Antiques	Hill-Donnelly Information Services
1983	Zuckerman Muriel	New York Telephone

FINDINGS

Year	Uses	Source
1983	Luckerman Myron Sewing Machs & Eqp Corp	New York Telephone

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Year	Uses	Source
2013	STAHL INDUSTRIES INCORPORATED	Cole Information Services
	DIXIE FOAM BEDS	Cole Information Services
	ALFONY LOCKS & GATES	Cole Information Services
2008	DIXIEFOAM BEDS	Cole Information Services
2006	Dixie Foam Beds 1 R	Hill-Donnelly Information Services
	Alex Locksmith 15 s	Hill-Donnelly Information Services
	Alfony Locks & Gates Is	Hill-Donnelly Information Services

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Year	Uses	Source
2013	ALEX PLUMBING	Cole Information Services
	ALEX TOWING	Cole Information Services
2006	Alex Towing i s	Hill-Donnelly Information Services
	Alex Plumbing	Hill-Donnelly Information Services

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Year	Uses	Source
2013	CONTINENTAL DIE INC	Cole Information Services
	EMERGENCY A TOWING	Cole Information Services
	FRANCE DISPLAY CORP	Cole Information Services
	ETL ADVERTISING	Cole Information Services
	WESTPFAL HENRY & CO INC CUTLERY	Cole Information Services
2008	WESTPFAL HENRY & CO INC	Cole Information Services
	CONTINENTAL DIE INC	Cole Information Services
	COLOR OF MAGIC LLC	Cole Information Services
	SIEGEL & STOCKMAN	Cole Information Services
	FRANCE DISPLAY CORP	Cole Information Services
2006	Lamp 25 is o	Hill-Donnelly Information Services
	Dreamactive Inc	Hill-Donnelly Information Services
	Continental Die Inc I o	Hill-Donnelly Information Services
	Alter Pavel	Hill-Donnelly Information Services
2000	TECHNAL INC	Cole Information Services
	RNSSNC DRS & WNDWS	Cole Information Services
	RENAISSANCE DR CO	Cole Information Services
	LENCO MACHINE CO	Cole Information Services

FINDINGS

Year	Uses	Source
2000	LA TOUR FINE ARTS	Cole Information Services
	CLINTON BLDG	Cole Information Services
	CONTINENTAL DIE	Cole Information Services
	CNTNNTL DIE INC	Cole Information Services
1983	Schultz B	New York Telephone
	Lenco Machine Co	New York Telephone
	Aid b	New York Telephone
	ABC Attachments Inc	New York Telephone

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Year	Uses	Source
2013	NEW YORK VINTAGE	Cole Information Services
	SCHACHNER OSCAR & SON SEWG MACHS	Cole Information Services
2008	BLIP NETWORKS INC	Cole Information Services
	NEW YORK VINTAGE	Cole Information Services
	SCHACHNER OSCAR & SON	Cole Information Services
2006	New York Vintage 1 R	Hill-Donnelly Information Services
	Oscar Schachner & Son Expert	Hill-Donnelly Information Services
2000	6 M INC	Cole Information Services
	AMELCO MACH & MOTOR	Cole Information Services
1983	AA Attachment Co	New York Telephone
	Amelco Sewing Mach & Motor Corp	New York Telephone
	Karpen Simon elctrcn	New York Telephone
	Korman Harry power tables	New York Telephone
	Seymour Sewing Machine Corp	New York Telephone

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Year	Uses	Source
2006	Emergency 24 HR Tow is	Hill-Donnelly Information Services
2000	WANGS INTRNTL	Cole Information Services

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Year	Uses	Source
2013	W TWENTY FIVE LLC	Cole Information Services
	BEST TRAILS & TRAVEL CORP	Cole Information Services
	DN PRINTING	Cole Information Services
	A APPLE LOCKSMITH	Cole Information Services
	CONSOLIDATED SEWING MACHINES	Cole Information Services
	FURNITURE PHEONIX CUSTOM	Cole Information Services

FINDINGS

Year	Uses	Source
2013	BF DIGITAL LLC	Cole Information Services
	GENE MIGNOLA INC	Cole Information Services
2008	DA VINCI PRESS INC	Cole Information Services
	ANNE CHU STUDIO	Cole Information Services
	BERTHOLD UPHOLSTERY	Cole Information Services
	PATRICK MEAGHER	Cole Information Services
	O 2 AGENCY	Cole Information Services
	AMERICAN MENU	Cole Information Services
	CHARLTON & CHARLTON PRINTERS	Cole Information Services
	VEJE LEATHER INC	Cole Information Services
	NEW YORK FENCERS CLUB INC	Cole Information Services
	FIVE STAR AMERICA	Cole Information Services
	BEST TRAILS & TRAVEL INC	Cole Information Services
	PHOENIX CUSTOM FURNITURE LTD	Cole Information Services
	PENTIMENTO PRINT INC	Cole Information Services
	NOLA OFFSET INC	Cole Information Services
	THOM LANG	Cole Information Services
	MARK NIEDERMAN PHOTOGRAPHY	Cole Information Services
	UNLIMITED PARTS & SUPPLIES	Cole Information Services
	NORMAN LEFKOFF PRINTING	Cole Information Services
	PRINT RITE PRESS INC	Cole Information Services
	A KFIR EQUIPMENT FENCING INC	Cole Information Services
	SHARK OFFSET SERVICE	Cole Information Services
	GENE MIGNOLA INC	Cole Information Services
	BNH BUSINESS PRODUCTS INC	Cole Information Services
	SHELLEY PROMOTIONS INC	Cole Information Services
2006	Multi Unit Address	Hill-Donnelly Information Services
	Number 7 American Menu Printing Co	Hill-Donnelly Information Services
	Anata Showroom	Hill-Donnelly Information Services
	Andina Studio Inc i	Hill-Donnelly Information Services
	Number 4 Berthold Upholstery 1 s	Hill-Donnelly Information Services
	Best Trails & Travel Inc i oo	Hill-Donnelly Information Services
	Number 1103 Crews N Video Inc I s	Hill-Donnelly Information Services
	Number 7 Da Vinci Press Inc 1 oi	Hill-Donnelly Information Services
	Feitsew	Hill-Donnelly Information Services
	Number 5 Fencers Club Inc is	Hill-Donnelly Information Services
	Number 6 Five Star America o	Hill-Donnelly Information Services
	Number 1102 Gene Mignola Inc	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2006	Number 1100 h Hedstrom C	Hill-Donnelly Information Services
	I G Textile Inc o	Hill-Donnelly Information Services
	Lang Thom i s	Hill-Donnelly Information Services
	h Levine James oo	Hill-Donnelly Information Services
	Mark Niederman Photography	Hill-Donnelly Information Services
	Meagher Patrick v	Hill-Donnelly Information Services
	Number 10 AMin Products	Hill-Donnelly Information Services
	Nepenthes America Inc 1 R a	Hill-Donnelly Information Services
	Newmark & Co Real Estate Inc	Hill-Donnelly Information Services
	Nola Offset	Hill-Donnelly Information Services
	Norman Lefkoff Printing	Hill-Donnelly Information Services
	Number 8 Phoenix Custom Furniture LTD	Hill-Donnelly Information Services
	Reilly Maggie	Hill-Donnelly Information Services
	Remco Press	Hill-Donnelly Information Services
	Schwartz Sherry L is oo	Hill-Donnelly Information Services
	Shark Digital o	Hill-Donnelly Information Services
	Shark Offset Svc Inc lo	Hill-Donnelly Information Services
	Shelly Promotions Inc	Hill-Donnelly Information Services
	Number 1 Unlimited Parts & Supplies Inc	Hill-Donnelly Information Services
	Number 10 Veje Leather Inc	Hill-Donnelly Information Services
2000	MAGGIE REILLY	Cole Information Services
	AMRCN MN PRINTG	Cole Information Services
	ANATA SHOWROOM	Cole Information Services
	BERTHOLD UPHLSTRY	Cole Information Services
	BEST TRAILS & TRVL	Cole Information Services
	BOB DEE ACCSSRS	Cole Information Services
	BOB DEE ACCSSRS	Cole Information Services
	CAIBA DESIGN	Cole Information Services
	CALIN JEWELRY	Cole Information Services
	CHRLTN & CHRLTN INC	Cole Information Services
	CHRIS BARLETT STD	Cole Information Services
	CNSLDTD SEW MCHNS	Cole Information Services
	RENE AUSSOLIEL	Cole Information Services
	C HEDSTROM	Cole Information Services
	DOUGLAS KILPATRICK	Cole Information Services
	JAMES LEVINE	Cole Information Services
	DARBY PRNTNG CO	Cole Information Services
	THE DISPLAYERS	Cole Information Services

FINDINGS

Year	Uses	Source
2000	FEITSEW	Cole Information Services
	FENCERS CLUB INC	Cole Information Services
	FIVE STAR AMERICA	Cole Information Services
	GNY LTD	Cole Information Services
	GRIMES TOM	Cole Information Services
	HMLSHR PRS PRNTRS	Cole Information Services
	KAPERIA ACCSSRS	Cole Information Services
	LEFKOFF NORMAN	Cole Information Services
	LYNX LITHO	Cole Information Services
	NEWMARK & CO BLDNGS	Cole Information Services
	NDRMN MARK PHOTO	Cole Information Services
	REMCO PRESS INC	Cole Information Services
	SHARK OFFSET SVCE	Cole Information Services
	SHOWROOM 126	Cole Information Services
	TAR PRODUCTION	Cole Information Services
	UNLMTD PRTS & SPPLS	Cole Information Services
	VEJE LEATHER INC	Cole Information Services
1983	Bennisons Robes	New York Telephone
	Buckner Raymond phtogphr	New York Telephone
	Condeso Lawler Gallery	New York Telephone
	Feit Co Inc	New York Telephone
	Funfair Fashions Inc	New York Telephone
	IG TEXTILE MILLS INC	New York Telephone
	Manhattan Embossing Co Inc	New York Telephone
	Mattikow David die cutng	New York Telephone
	MCCLEAN CYRIL H studio	New York Telephone
	Milton Pleating Inc	New York Telephone
	New York Leather Embossig Co	New York Telephone
	OReilly Terence	New York Telephone
	Original Reproductions Inc	New York Telephone
	Reilly Maggie	New York Telephone
	State Binding & Textile Trimming Co Inc	New York Telephone
	Three S Bias Binding Co	New York Telephone

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Year	Uses	Source
2013	RENAISSANCE DOOR COMPANY	Cole Information Services
	FURNITURE ARHAUS	Cole Information Services

FINDINGS

Year	Uses	Source
2013	ANTIQUES ON THE MALL CORPORATION	Cole Information Services
2008	JWS REPRESENTS	Cole Information Services
	BNGO BOOKS	Cole Information Services
	RENAISSANCE DOOR CO	Cole Information Services
	JOSEPH GUTMAN ASSOCIATES INC	Cole Information Services
2006	Multi Unit Address	Hill-Donnelly Information Services
	Number 3 W Blakeman Ken oo	Hill-Donnelly Information Services
	Number 2 W u Johansen L	Hill-Donnelly Information Services
	Number 2 W h Johnson Eric	Hill-Donnelly Information Services
	Joseph Gutman Assoc 1 R	Hill-Donnelly Information Services
	Joseph Gutman Assoc 1 R	Hill-Donnelly Information Services
	Number 5 W h Morrow TImonthy	Hill-Donnelly Information Services
	Number 3 E h Patillo Rhonda	Hill-Donnelly Information Services
	Renaissance Door Co R	Hill-Donnelly Information Services
	Number 3 W h Silva Ramon	Hill-Donnelly Information Services
	Vogel J	Hill-Donnelly Information Services
	Number 2 E h Warren Jennifer	Hill-Donnelly Information Services
1983	ONeill Brien	New York Telephone
	Sahag John	New York Telephone
	Schuman James R	New York Telephone
	Victor Jerry	New York Telephone
	Villemarette Suzanne	New York Telephone
	Buchanan John R	New York Telephone
	Davison George P	New York Telephone
	Friedland B	New York Telephone
	Garber Alan	New York Telephone
	Gutman Joseph Assocs	New York Telephone
	Lindsey G	New York Telephone

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Year	Uses	Source
2008	DECO ETC	Cole Information Services
2006	Deco Etc SR	Hill-Donnelly Information Services
	Triumph Inc	Hill-Donnelly Information Services
2000	WARLOCK NCDD MUSC	Cole Information Services
	SIMON STPHN MGMT	Cole Information Services
	OLD PAPER ARCHIVE	Cole Information Services
1983	MUSNIK JOEPH & SON SEWING MACHINE CO	New York Telephone

FINDINGS

123 W 25TH ST

Year	Uses	Source
1983	Automotion Devices	New York Telephone
	Trim Vac	New York Telephone
	Geduldig Irving b	New York Telephone
	Geduldig Irving b	New York Telephone

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Year	Uses	Source
2013	THIS N THAT COLLECTIBLES	Cole Information Services
	JOHNYS	Cole Information Services
	AMERLITE	Cole Information Services
2008	THIS N THAT COLLECTIBLES	Cole Information Services
	JOHNYS	Cole Information Services
	THIS N THAT ANITA STERN	Cole Information Services
2006	Cashdan Hudson	Hill-Donnelly Information Services
	h Hunter John H	Hill-Donnelly Information Services
	This N That i R	Hill-Donnelly Information Services
	Taylor Thomas	Hill-Donnelly Information Services
	h Karplus M Y	Hill-Donnelly Information Services
	Johnys	Hill-Donnelly Information Services
	h Jacob Jeff	Hill-Donnelly Information Services
2000	SALVAGE CITY	Cole Information Services
	ANNE EASTMAN	Cole Information Services
	2R BARBARA FEDERSPIEL	Cole Information Services
	VINCENT HARTONG	Cole Information Services
	5F JOHN H HUNTER	Cole Information Services
	4R JEFF JACOB	Cole Information Services
	RANDY PEARLSTEIN	Cole Information Services
	GABRIEL A ROTH	Cole Information Services
	4W THOMAS TAYLOR	Cole Information Services
	3R KHALED WASSEL	Cole Information Services
	CATRINA WOLFE	Cole Information Services
	JOHNYS	Cole Information Services
	MONOGRAPHS LTD	Cole Information Services
1983	Wald Factors	New York Telephone
	Stewart Daniels G	New York Telephone
	Samas Richard N	New York Telephone
	Kronick David M	New York Telephone
	Gray Fisher M	New York Telephone

FINDINGS

Year	Uses	Source
1983	Fisher Richard A	New York Telephone
	Febus Lunchnet	New York Telephone
	Davis L C	New York Telephone
	Armstrong David	New York Telephone
	Tice H & R	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
112 West 25th Street	1996, 1931, 1923, 1920

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
100 W 25TH ST	2013, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
101 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
102 W 25TH ST	2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
103 W 25TH ST	2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
104 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1950, 1947, 1934, 1931, 1923, 1920
104 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
104 W 25TH ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
105 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1934, 1931, 1923, 1920
105 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
105 W 25TH H BKN	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1920
105 W 25TH H DO	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923
106 W 25 ST	2013, 2008, 2006, 2000, 1996, 1942, 1934, 1931, 1923, 1920
106 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
106 W 25TH ST	2013, 2008, 2006, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
107 W 25 ST	2013, 2008, 2006, 2000, 1996, 1934, 1931, 1923, 1920
107 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
107 W 25TH ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
107 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
108 W 25 ST	2013, 2008, 2006, 2000, 1996, 1934, 1931, 1923, 1920
108 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
108 W 25TH ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
108 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
108-10 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
109 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1938, 1934, 1931, 1923, 1920
109 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
109 W 25TH ST	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
109 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
110 W 25 ST	2013, 2008, 2006, 2000, 1996, 1993, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
110 W 25 ST W	2013, 2008, 2006, 2000, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
110 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1927
110 W 25TH ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
110 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
111 W 25 ST	2013, 2008, 2006, 2000, 1996, 1938, 1934, 1931, 1923, 1920
111 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1923, 1920
111 W 25TH H BKN	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1920
111 W 25TH ST	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
111 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
113 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1934, 1931, 1927, 1923, 1920
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113 W 25TH ST	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
113 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
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115 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1923
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117 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
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119 W 25TH FL	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1927, 1923, 1920
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FINDINGS

Address Researched	Address Not Identified in Research Source
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123 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1938, 1934, 1931, 1927, 1923, 1920
123 W 25TH ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
124 W 25 ST	2013, 2008, 2006, 2000, 1996, 1968, 1934, 1923, 1920
124 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938
124 W 25TH ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
124 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
125 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1983, 1934, 1931, 1927, 1923, 1920
125 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1927
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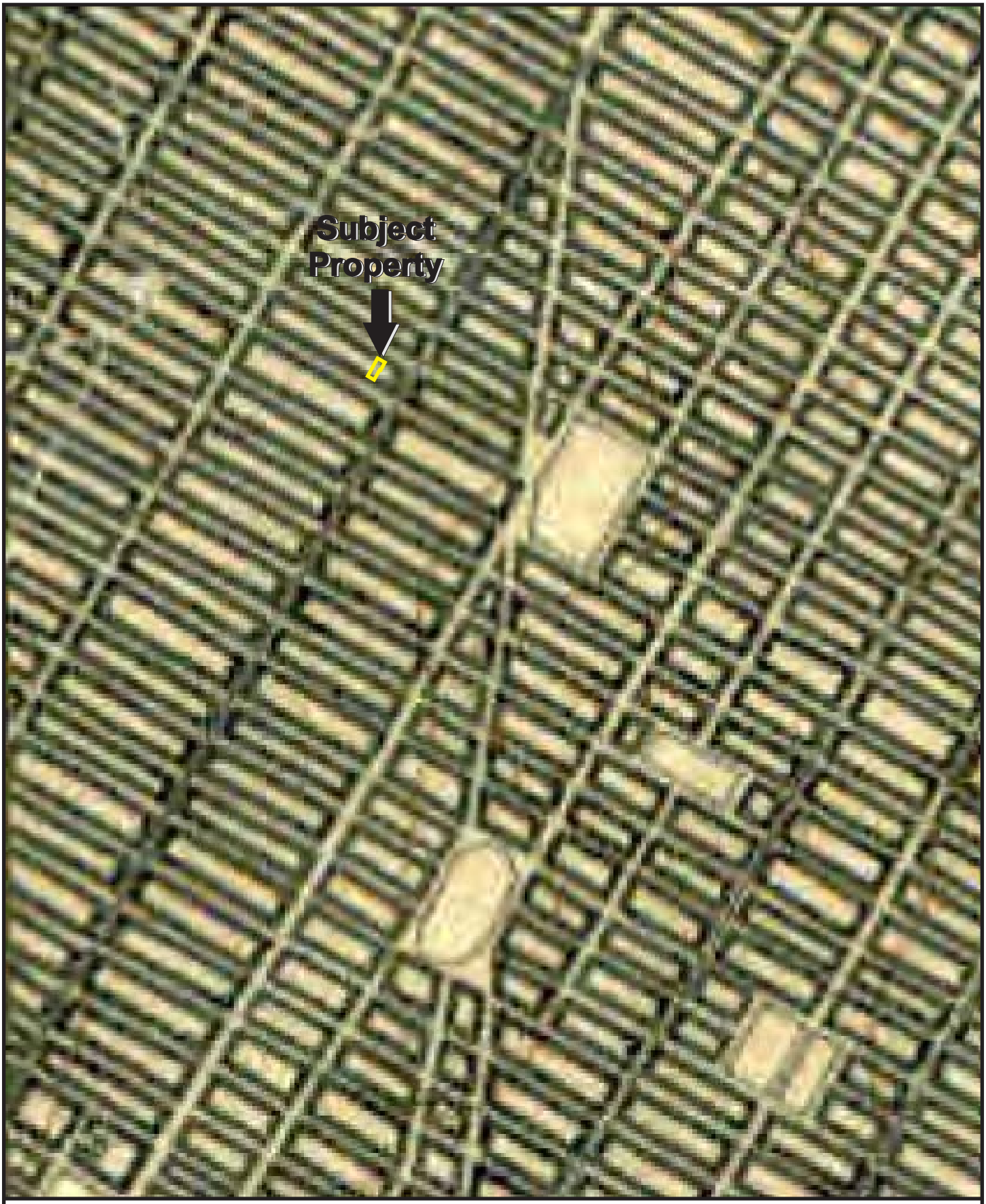
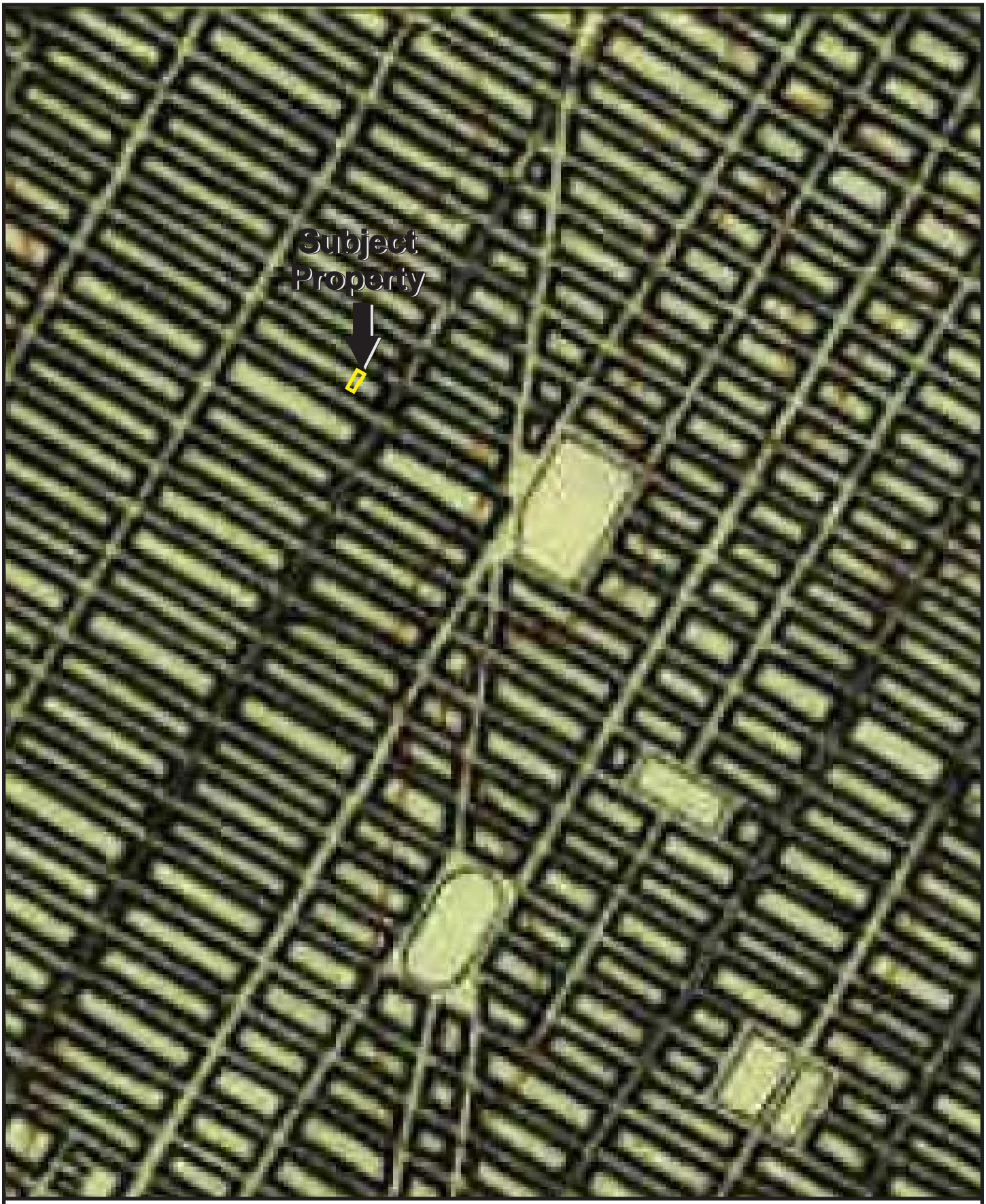


USGS 7.5 Minute *Brooklyn, NY* Quadrangle Created: 1900 Revised: 1924

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER



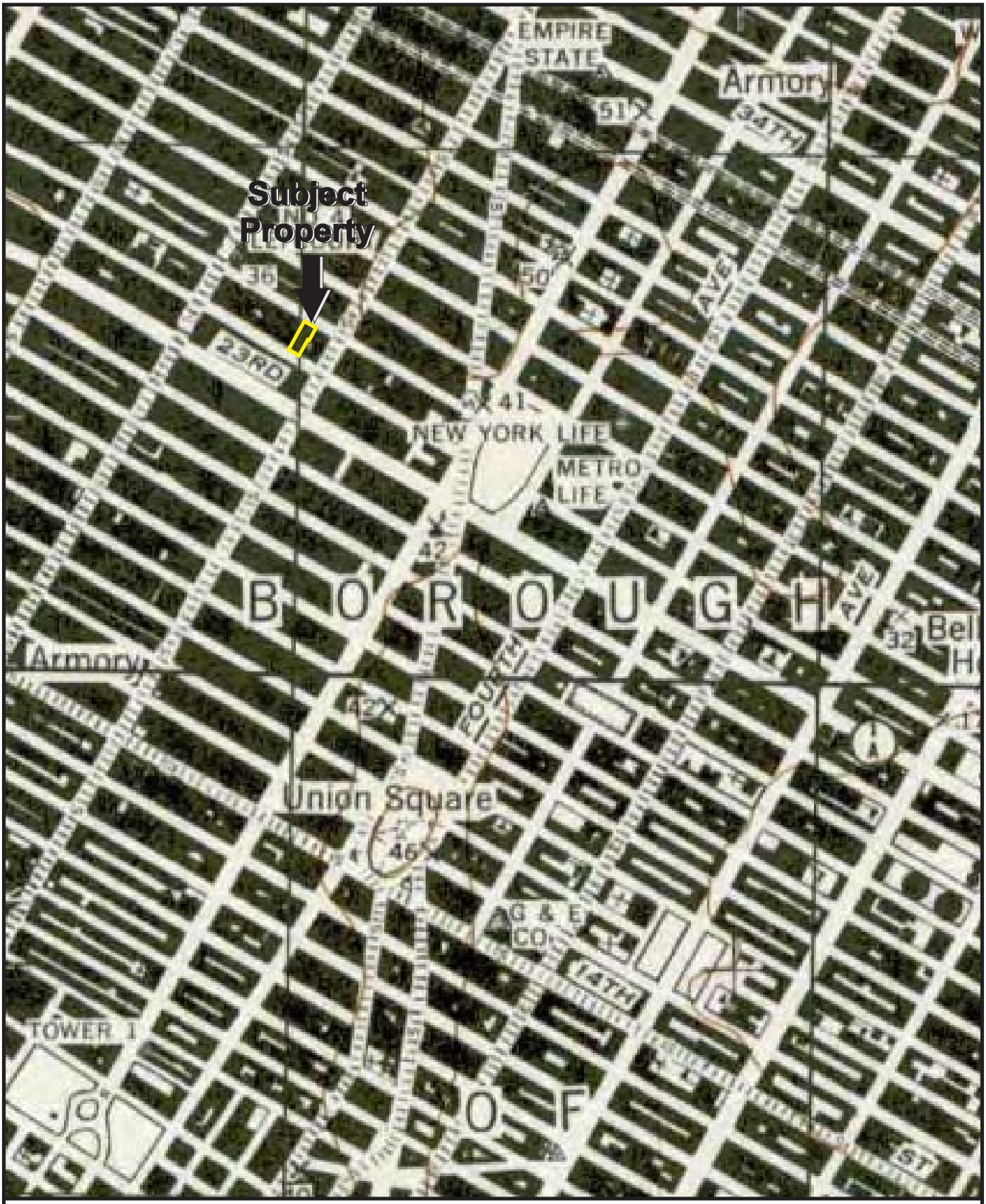
USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1924 Revised: XXXX

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER



USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1947

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER

USGS 7.5 Minute *Brooklyn, NY* Quadrangle | Created: 1956

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER

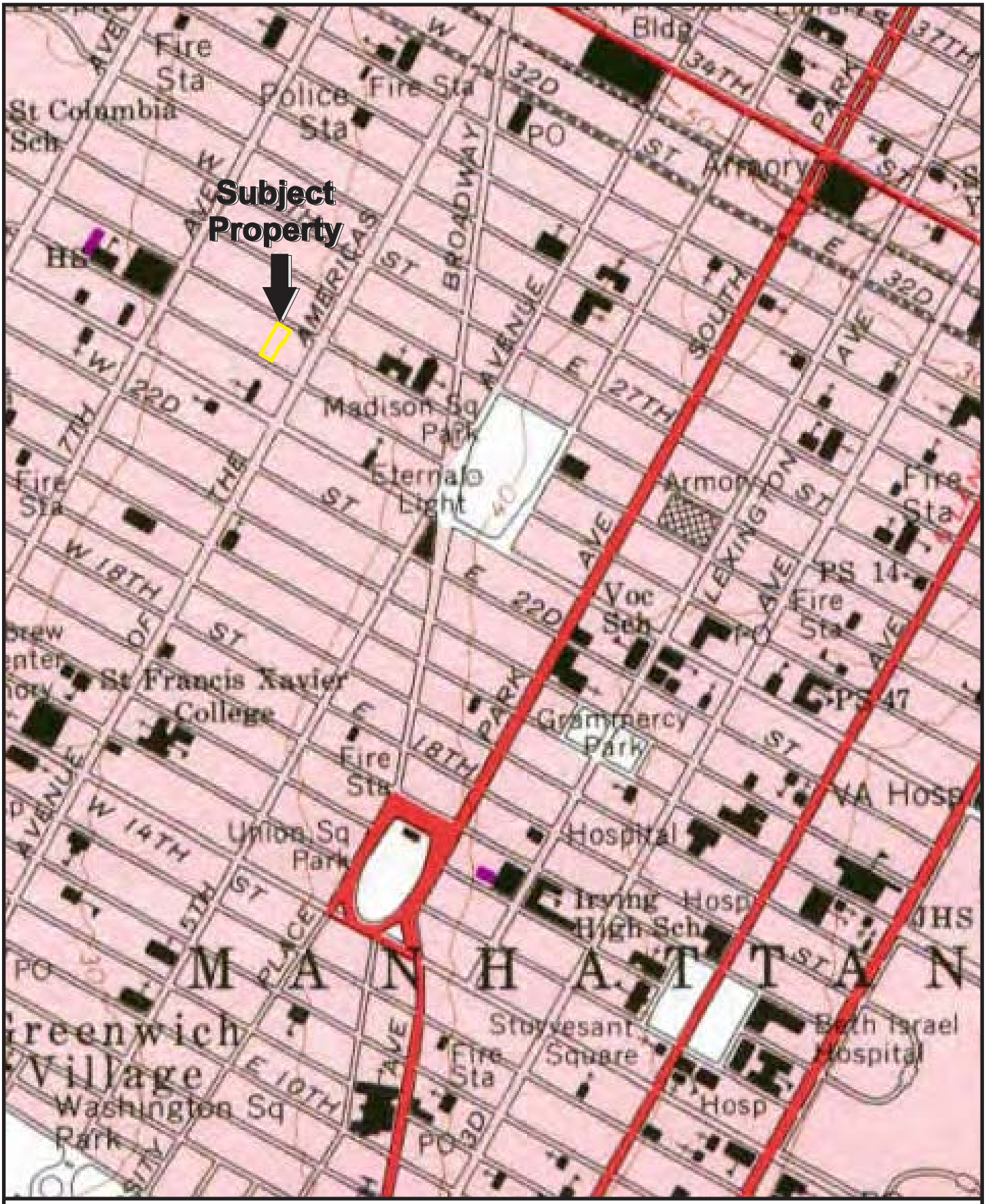
USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1967 Revised: 1979

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER



USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1979

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER

USGS 7.5 Minute *Brooklyn, NY* Quadrangle — Created: 1995

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPLICATION FOR ACCESS TO RECORDS

(See Instructions on Reverse Side)

APPLICANT

- **TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION:**

I hereby apply to inspect the following records under the provisions of the Freedom of Information Law:

Address of Facility or Site (if applicable)

_____

_____

_____

_____

Spill No. (if applicable)_____ Facility ID No. (if applicable) _____

PBS No. (if applicable)_____

Other:_____

_____

_____

After inspection, should I desire copies of all or part of the records inspected, I will identify the records to be copied and hereby offer to promptly pay the established fees. (Cost of reproduction or 25¢ per page as applicable). Contact me if cost will exceed $_____.

Name (Print or type) _____ Telephone No. _____Fax No._____

Company (if applicable) _____ E-Mail Address_____

Mailing Address _____

_____

Signature _____ Date_____

RECORDS CUSTODIAN

TO APPLICANT:

RECORDS PROVIDED

____ The reproduction costs for the records provided $_____

____ Records have been (partially, fully) provided

(If not provided, date when records are expected to be fully provided:_____)

RECORDS NOT AVAILABLE

____ Records cannot be located after a diligent search ____ The Department is not the custodian for records indicated

RECORDS DENIED

I hereby advise that access to the records, or part of the records, has been denied for the reason(s) checked below:

____ Specifically exempt by another statute

____ Would impair present or imminent contract awards or collective bargaining negotiations

____ Compiled for law enforcement purposes

____ Inter-agency or intra-agency materials that are not:

statistical or factual tabulations or data

instructions to staff that affect the public

final agency policy or determinations; or

external audits, including but not limited to audits performed by the comptroller and the Federal government

____ Other exemptions (as applicable)

____ Unwarranted invasion of privacy

____ Trade secrets

____ Could endanger life or safety of any other person

Records Custodian signature_____ Date:_____

INSTRUCTIONS

TO APPLICANT: (The completion of this form is voluntary; however, it will facilitate access to records you seek.)

1. Please identify the specific records you wish to inspect under the "applicant" portion of this form, sign and date in the appropriate place, and give or mail to the Records Access Officer, NYS Department of Environmental Conservation, 625 Broadway, Albany, New York 12233-1500**.** In the alternative, you may send your request electronically to foil@gw.dec.state.ny.us

2. If after inspection you should desire copies, identify to the Records Custodian the specific records to be copied. Make check or money order payable to the "New York State Department of Environmental Conservation" for copies reproduced by the Department.

3. If you are denied access to records or portions of records, you may submit a written appeal to the FOIL Appeals Officer, Department of Environmental Conservation, 625 Broadway, Albany, New York 12233-1500. Such appeal has to be made within 30 days after the denial. Please attach a copy of this form showing the "Records Denied" portion when filing your appeal. The FOIL Appeals Officer will evaluate the appeal and respond in writing to you within ten (10) business days after receipt of the appeal.

TO DEC RECORDS CUSTODIAN:

1. Conduct search for records:
   - 1a. If records requested for inspection are not in the custody of the Department, advise the applicant if possible as to the identity and location of the proper custodial agency.
   - 1b. If records are found, determine accessibility (in accordance with Public Officers Law Section 87.2)

2. After determination of accessibility:
   - 2a. If accessible–make available to applicant for inspection.
   - 2b. If not accessible–complete "Records Denied" portion of this form, make and retain one copy of completed form, and give original to applicant fully explaining reason for denial.

3. If applicant desires copies–collect total cost from applicant, and make copies (or arrange with applicant to have copies made with outside vendor and applicant pays vendor). Originals must be returned to Department Records Custodian(s).

4. If you are not able to respond to a request within five (5) business days, acknowledge receipt of the request in writing by the fifth business day and estimate when your final response will be made. If a request can not be fulfilled within (20) business days from the date of the acknowledgment letter, you must advise the requester of a date certain for completion of the request.

SPECIAL NOTE

See **www.dec.ny.gov/public/373.html** for answers to the most commonly asked questions about DEC and the New York State Freedom of Information Law.

NEW YORK CITY DEPARTMENT OF HEALTH AND MENTAL HYGIENE

For office use only
CONTROL NUMBER:

FREEDOM OF INFORMATION LAW REQUEST FORM

To: Records Access Officer
NYC Department of Health and Mental Hygiene
42-09 28th Street, 14th Floor, CN 31
Long Island City, NY 11101
Phone: (347) 396-6078/6116
Fax: (347) 396-6088
recordsaccess@health.nyc.gov

Date ____ / ____ / ____

Dear Record Access Officer:

I, _____ request copies of any inspection reports and/or records located in the Bureau of_____, of the New York City Department of Health and Mental Hygiene.

The records pertain to:

- ☐ Lead Poisoning
- ☐ Animal bite
- ☐ Employment/Human Resources
- ☐ Contracts/RFPs
- ☐ Pest Control
- ☐ Correctional Health
- ☐ Early Intervention
- ☐ Food Safety
- ☐ Mental Health
- ☐ Communicable Diseases
- ☐ School Health
- ☐ Day Care
- ☐ Other: _____

Please specify/describe the records you are requesting from the above program(s):

_____

_____

_____

_____

_____

There is a charge of 25¢ per page or actual costs of reproduction, payable in advance.

Requester's Name: _____ _____
(Please print) (Signature)

Requester's Organization: _____

Requester's Address: _____
Street City State Zip code

Telephone Number: (_____) _____ - _____ E-mail: _____

For more information, please visit: FOIL Requests page.

FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Tanks Section

9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442

Fuel Tank Special Report Request Form

SECTION A CUSTOMER INFORMATION

Please print the required information below.

OFFICE USE ONLY

_____
Cashier / Search No.

PRU Staff
Accepted By/Initials:_____

Searched By:_____

Total Amount:_____

_____
Name

_____
Address

_____
State Zip Code

_____
Telephone Number

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the NYC Fire Department and a stamped self-addressed envelope (with postage). Mail checks or money orders directly to the address and unit listed above. DO NOT MAIL CASH.

SECTION B FUEL TANK REPORT - FEE $10.00 / PER REPORT

_____ _____
House Number Street Name Borough

- ☐ **THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS**
- ☐ **THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS**
- ☐ **THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS**
- ☐ **THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS**
- ☐ **MOST RECENT TANK / PIPING TEST RESULTS**
- ☐ **HISTORY OF BURIED TANKS LEAKS**

Note: Requests will be responded to within 10 business days.

1225 Atlantic Avenue
Brooklyn, NY 11216
Tel: 718-857-3100
Fax: 718-857-2100

Environmental Subsurface Assessment Report

Prepared for:

112 West 25th Street,
New York, NY 10001

Prepared by:

Don Carlo Environmental Services, Inc.
1225 Atlantic Avenue
Brooklyn, NY 11216

Table of Contents

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Background	3
Site Description	3
Soil Sampling	4
Soil Analysis	4
Analytical Results	4
Conclusions	5
Appendix	
Figures	
Definitions	

Gen Carlo Environmental Services Inc.
1225 Atlantic Avenue
Brooklyn, NY 11216
Tel: 718-857-3100
Fax: 718-857-2100

Wednesday, August 16, 2006

Executive Summary

On August 7, 2006 DCES conducted an Environmental Subsurface Assessment (ESA) at **112 West 25th Street, New York, NY 10001.** All work was done at the request of Mr. Glen Edelman D.b.a. Edelman Family Limited Partnership.

DCES conducts their Environmental Subsurface Assessments (ESA) in accordance with recommendations of the ASTM Practice E1903 and NYSDEC SPCTS Memo 14.

Investigative activities were conducted for assessing the subsurface quality of the soils surrounding the eight (8) 550-gallon gasoline Underground Storage Tanks (USTs) at the subject property. The eight (8) 550-gallon USTs were previously abandoned in place with sand by others. The scope of work was based on visual inspections of the subject property.

In performing our subsurface investigation, limited accessibility was available due to a ramp east of the USTs on the subject property. Our technicians were able to install five (5) bores (B1 through B5) on five (5) separate locations within the south and west perimeters of the tank area on the subject property. Soil sampling was conducted from grade and continuously every four feet (4') to a termination depth of twelve feet (12'). The soil samples collected every four feet (4') were field screened using a Photoionization Detector (PID) model PGM-30. No elevated PID readings were noted. With no PID readings, the deepest soil samples were kept from each bore, accounted for and transmitted to a state certified laboratory for analysis. Five (5) soil samples (B1-S1 and B5-S1) were analyzed under EPA Methods STARS 8021 for Volatile Organic Compounds. All bores were sealed at completion to prevent potential surface contamination.

Findings:

Laboratory analysis of the soil samples did not identify any levels of soil contamination. The laboratory results were compared with NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs).

Recommendations:

Review of the laboratory results and site assessments conducted during the Phase II investigation did not identify any soil contamination for the subject property.
Based on this information, DCES recommends no further assessments needed for the tank area at the subject property.

Romeo Santos, CEPCI NCRS
FDNY Lic.# 6369739
Don Carlo Environmental Services

Don Carlo Environmental Services Inc.
1225 Atlantic Avenue
Brooklyn, NY 11216
Tel: 718-857-3100
Fax: 718-857-2100

Mr. Glen Edelman
Edelman Family Limited Partnership
3000 Marcus Avenue, 2E-7
Lake Success, NY 11042

Re: Environmental Subsurface Assessment
Location: 112 West 25th Street
New York, NY 10001

Dear Mr. Edelman:

Don Carlo Environmental Services, Inc. (DCES) has prepared the following report to document the results of the Environmental Subsurface Assessment (ESA) performed at the above referenced site on August 7, 2006.

Background

The subject property is currently utilized as a parking lot using the address 112 West 25th Street, New York, NY. A site plan is shown on Figure 1.

Site Description

The subject property consists of a parking lot with three (3) levels and offices.

Soil Sampling

[illegible] Scandalios five (5) bores (B1-B5) throughout within an accessible location of the subject property. At each boring, [illegible] soil samples were collected continuously using a truck mounted Geoprobe® system. The Geoprobe® uses direct push technology to drive core samplers to the desired depth for soil sample collection. This method can be performed quickly, so if refusal occurs, a new location can be accessed with minimal effort. Soil samples were collected continuously from grade. Continuous soil samples were collected every four feet (4') to a termination depth of twelve feet (12'). Onsite field screening was conducted on the soil samples for staining or smell for gasoline odor and by using a Photoionization Detector (PID) model PGM 30. Selectively, soil samples were taken, place in laboratory approved glass jars, labeled (B1-S1 and B5-S1) and submitted to York Analytical Laboratories for analysis. Non-disposable sampling equipment was cleaned using a distilled water and Alconox detergent wash followed by a distilled water rinse prior to the collection of each sample. Bores were subsequently sealed with a cementitious mixture to block potential surface contaminants.

Soil Analysis

The deepest sample from each boring was submitted with proper chain of custody to York Analytical Laboratories in Stratford, CT for analysis.

Soil samples were analyzed for petroleum constituents under EPA Method SW846 8021 for Volatile Organic Compounds (VOCs).

Analytical Results

Laboratory analysis of the soil samples did not identify any levels of soil contamination in the five (5) soil samples analyzed.
Analytical results were compared with TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs).

Soil analytical results are summarized on Table 2 and the laboratory reports are included in Appendix A of this report.

Conclusion/Recommendation

Based on the data reviewed, DCES recommends no further assessment is needed for the bank area of the subject property.

FIGURES

SITE PLAN NOT DRAWN TO SCALE

112 WEST 25TH STREET
NEW YORK, NY

TABLES

112 WEST 25TH STREET
NEW YORK, NY 10001

TABLE 1

SOIL ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs)

Contaminants	NYS DEC TAGM (4046)	B1 S1 (8'-12')	B2 S1 (8'-12')	B3 S1 (8'-12')	B4 S1 (8'-12')	B5 S1 (8'-12')
1,2,4-Trimethylbenzene	NS	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NS	ND	ND	ND	ND	ND
Benzene	60	ND	ND	ND	ND	ND
Ethylbenzene	5,500	ND	ND	ND	ND	ND
Isopropylbenzene	NS	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	NS	ND	ND	ND	ND	ND
Naphthalene	NS	ND	ND	ND	ND	ND
n-Butylbenzene	NS	ND	ND	ND	ND	ND
n-Propylbenzene	NS	ND	ND	ND	ND	ND
o-Xylene	1,200	ND	ND	ND	ND	ND
p- & m- Xylenes	1,200	ND	ND	ND	ND	ND
p-Isopropyltoulene	NS	ND	ND	ND	ND	ND
sec-Butylbenzene	NS	ND	ND	ND	ND	ND
tert Butylbenzene	NS	ND	ND	ND	ND	ND
Toulene	1,500	ND	ND	ND	ND	ND

NOTES:
NYSDEC: NYS DEC Recommended Soil Cleanup Objectives (RSCOs) - TAGM 4046
ND - Not Detected
NS - No Standard
Bold Text denotes exceedances
All units are µg/kg
MDL - Method Detection Limits
NA - Not Available

APPENDICES

YORK

ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

Don Carlo Environmental
1225 Atlantic Ave.
Brooklyn, NY 11216
Attention: Danny Singh

Report Date: 8/15/2006
Re: Client Project ID: 112 West 25th St., New York, NY
York Project No.: 06080282

120 Research Drive Stratford, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 8/15/2006
Client Project ID: 112 West 25th St., New York, NY
York Project No.: 06080282

Don Carlo Environmental
1225 Atlantic Ave.
Brooklyn, NY 11216
Attention: Danny Singh

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 08/08/06. The project was identified as your project "112 West 25th St., New York, NY".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			B1-S1 (8-12')		B2-S1 (8-12')	
York Sample ID			06080282-01		06080282-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
Benzene			Not detected	2.00	Not detected	2.00
Ethylbenzene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl-tert-butyl ether			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
o-Xylene			Not detected	10.0	Not detected	10.0
p- & m- Xylenes			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0

YORK

Client Sample ID			B3-S1 (8-12')		B4-S1 (8-12')	
York Sample ID			06080282-03		06080282-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg				
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
Benzene			Not detected	2.00	Not detected	2.00
Ethylbenzene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl-tert-butyl ether			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
o-Xylene			Not detected	10.0	Not detected	10.0
p & m- Xylenes			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0

Client Sample ID			B5-S1 (8-12')	
York Sample ID			06080282-05	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg		
1,2,4-Trimethylbenzene			Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0
Benzene			Not detected	2.00
Ethylbenzene			Not detected	10.0
Isopropylbenzene			Not detected	10.0
Methyl-tert-butyl ether			Not detected	10.0
Naphthalene			Not detected	10.0
n-Butylbenzene			Not detected	10.0
n-Propylbenzene			Not detected	10.0
o-Xylene			Not detected	10.0
p & m- Xylenes			Not detected	10.0
p-Isopropyltoluene			Not detected	10.0
sec-Butylbenzene			Not detected	10.0
tert-Butylbenzene			Not detected	10.0
Toluene			Not detected	10.0

Units Key: For Water/Liquids: ng/L, ppq, ug/L, ppb For Soils/Solids: ng/kg, ppb (ug/kg), ppm (mg/kg)

YORK

Report Date: 8-15-2006
Client Project ID: 112 West 25th St., New York, NY
York Project No.: 06080282

Notes for York Project No. 06080282

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley
Managing Director

Date: 8-15-2006

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

Page ___ of ___

06080282

Company Name	Report To	Invoice To	Project ID/No.	Samples Collected By: Signature
DON CARLO ENV. 1225 ATLANTIC AVE BROOKLYN, NY	←	←	112 WEST 25TH ST. NEW YORK, NY	Name (Print): LUIS GOMEZ

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Descriptions
B_1-S1	(8'-12')	08-07-06		X			STARS 8021	
B_2-S1	(8'-12')	08-07-06		X			" "	
B_3-S1	(8'-12')	08-07-06		X			" "	
B_4-S1	(8'-12')	08-07-06		X			" "	
B_5-S1	(8'-12')	08-07-06		X			" "	

Chain-of-Custody Record

Relinquished by: Sampler	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
Sample Received for Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received for LAB by	Date/Time

Comments/Special instructions

Turn-Around Time

X Standard ___ RUSH: define ___

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

112-118 WEST 25TH STREET
AKA:113-117 WEST 24TH STREET
NEW YORK, NEW YORK 10001

PREPARED FOR

MEC PROJECT:

MEC

MERRITT ENGINEERING CONSULTANTS, P.C.
Environmental Engineering Asbestos Lead

28-08 Bayside Lane, Bayside, NY 11358
(718) 767-7997 Fax (718) 767-7796

ASTM :

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

Site Address

112-118 West 25th Street
AKA: 113-117 West 24th Street
New York, New York 10001

Prepared for

Prepared By

Merritt Engineering Consultants, P.C.
28-08 Bayside Lane
Bayside, New York 11358
(718) 767-7997
(718) 767-7796 Fax

MEC Project No	Project I
Inspection Date	June 20, 2006
Summary Date	June 23, 2006
Final Report Date	July 14, 2006

EXECUTIVE SUMMARY

Merritt Engineering Consultants, P.C., was retained by a Phase I Environmental Site Assessment (ESA) at 112-118 West 25th Street, AKA 113-117 West 24th Street, New York, New York 10001.

The on site investigation was conducted on June 20, 2006

Based on our site reconnaissance, database review and historical investigation, the following Recognized Environmental Conditions (RECs) were noted at the time of our inspection.

A Recognized Environmental Condition means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under compliance with laws.

	ITEM	APPROXIMATE COST	PAGE
1A	There appears to be eight (8) abandoned underground storage tanks (USTs) holding gasoline located under the basement floor. In addition, Sanborn Maps for the years 1930-1996 also identified eight (8) gasoline tanks buried on site. It is recommended that the owner supply documentation indicating proper abandonment of the tanks.	Cost not determined	15
1B	Should no documentation be available, it is recommended that a Phase II investigation, including soil borings and a ground penetrating radar (GPR) scan be conducted to determine if any buried tanks or sub-surface contamination is present.	$10,000-$15,000	15
2A	Provide documentation for abandoned hydraulic lift on site.	Cost not determined	14
2B	Should no documentation be available, soil borings should be conducted around the area of the lift to determine if any sub surface contamination is present.	$1,500-$2,500	14

The following de minimis conditions were noted but are not considered Recognized Environmental Conditions (RECs).

A de minimis condition is one that generally does not present a material risk of harm to public health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies (excluding local asbestos & lead situations).

	ITEM	APPROXIMATE COST	PAGE
1	Further evaluation of abandoned boiler room located in the West 25th Street sidewalk vault. There as no access at the time of the inspection.	$250 Re-inspection Fee	14

No Historical Recognized Environmental Conditions (HRECs) were reported. In addition no evidence of HRECs were observed during our on-site inspection/ identified in our database search/historical review.

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2) INTRODUCTION

2.1 PURPOSE

The report was prepared by Merritt Engineering Consultants, P.C., whose purpose is to provide comprehensive Phase I Environmental Site Assessments (ESA) in accordance with American Society of Testing Materials (ASTM E 1527-00) standards for a Phase I Environmental Site Assessment. The survey personnel are trained in the field of Environmental Site inspections as Certified Environmental Specialist (CES) by the Environmental Assessment Association as well as asbestos investigators by the Federal Environmental Protection Agency and NY State

2.2 DETAILED SCOPE OF SERVICES

For the Phase I Environmental Site Assessment (ESA), Merritt Engineering Consultants (MEC) performed the following primary tasks:

1. *Physical site inspection by Merritt Engineering Consultants Certified Environmental Specialists (CES) who traversed the interior and exterior areas of the site by foot, in addition to conducting a review of adjacent areas and their exteriors.*
2. *Investigations of historical usage of site based upon:*
   a. *Interview of persons knowledgeable about the sites current and past usage.*
   b. *Review of Sanborn Fire Insurance Maps and/or a review of Local Building Department records and/or Aerial Photographs.*
3. *Review of USGS geologic and 7.5 Minute Topographical Maps.*
4. *Review of the federal and state environmental databases as per ASTM E1527-00 guidelines, as well as a review of pertinent information provided by local government records.*
5. *Limited survey of site for the presence of electrical transformers that may contain Poly-chlorinated biphenyl (PCBs)*
6. *Limited survey for the presence of friable asbestos containing material (ACM).*
7. *Limited survey of site for the presence of lead based paint surfaces within common areas.*
8. *Inspection of water supply, gas supply, garbage disposal practices, groundwater flow, storm and sanitary discharge methods.*
9. *Review of Radon averages.*
10. *Inspection for petroleum storage tanks, above and below grade, stored on site.*
11. *Review of report by a senior certified environmental specialist (CES).*

The following services are not included as part of this Phase I Assessment:

- Lead Based Paint Testing
- Soil Borings
- Testing of Water Main
- Wetlands Evaluation
- ACP-5 Asbestos Report
- High Voltage Power Lines
- Indoor Air Quality
- Radon Testing
- Non-friable Asbestos Testing
- Evaluation of Fluorescent light fixtures that may contain PCBs
- Endangered Species
- Ecological Resources
- Health & Safety
- Industrial Hygiene
- Cultural & Historical Risk
- Regulatory Compliance
- Testing for Mold Spores

2.3 SIGNIFICANT ASSUMPTIONS

Information and records provided by the client and outside vendors retained by Merritt Engineering Consultants are assumed to be correct and complete.

2.4 LIMITATIONS AND EXCEPTIONS

The contents of this report are correct to our knowledge and belief. This report and conclusions stated herein are, however, limited to actual knowledge based upon a visual inspection of the Property, the examination of readily available public records concerning the current and prior use of the Property, and interviews with individuals knowledgeable about present and past property uses.

Merritt Engineering Consultants, P.C., has performed this Phase I Environmental Site Assessment (ESA) of the Property in accordance with the detailed scope of work in section 2.2.

Merritt Engineering Consultants, P.C., cannot guarantee that the Property is completely free of hazardous substances or other materials or conditions that could subject the Client to potential liability. The presence or absence of any such condition can only be confirmed through the collection and analysis of soil and groundwater samples, as well as through testing building materials that may contain asbestos or lead paint. This is beyond the scope of the investigation.

Merritt Engineering Consultants, P.C., has no interest other than professional in this Assessment and neither its performance, nor compensation for same, is contingent upon the findings and recommendations that are represented herein.

2.5 SPECIAL TERMS AND CONDITIONS

There are no special terms or conditions to the content of the report that are in addition to the scope outlined in Section 2.2.

2.6 RELIANCE

This Phase I Assessment was performed at the client's request utilizing methods and procedures that are consistent with acceptable professional standards ASTM-E1527-00.

The report has been prepared for the sole use of MEC's client. No other party may use the report without the written authority of MEC.

3) SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The property address is 112-118 West 25th Street, AKA 113-117 West 24th Street The legal site address is Block 800, Lot 49. The site is located in the Flatiron section of Manhattan.

3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The current site is situated on a plot size 16,875 square feet.

The weather conditions during our on site inspection consisted of sunny skies. The temperature was approximately 89°.

3.3 CURRENT USE OF THE PROPERTY

The current use of the site consists of 3-story commercial parking garage.

The site usage appears to remain similar, since the building's construction (parking garage).

None of the current tenants or their on site operations appear to pose an adverse environmental impact to the property or neighboring sites.

3.4 DESCRIPTIONS OF STRUCTURES, ROADS AND OTHER IMPROVEMENTS

The current site consists of a 3-story commercial parking garage holding 290 cars The site is located on a plot size approximately 16,875 square feet. There is a basement which houses the utilities. The heating system for this site is electric baseboard heaters located in the office area.

3.5 CURRENT USES OF THE ADJOINING PROPERTIES

North	Residential and Commercial Buildings
South	Residential and Commercial Buildings
East	Residential and Commercial Buildings
West	Residential and Commercial Buildings

The adjacent properties do not appear to pose an adverse environmental impact to the site.

4) USER PROVIDED INFORMATION

4.1 TITLE RECORDS

No title records were provided.

4.2 ENVIRONMENTAL LIENS

No environmental liens were indicated.

4.3 SPECIALIZED KNOWLEDGE

No information regarding specialized knowledge was provided.

4.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

No information regarding the valuation reduction for environmental issues was provided by the owner.

4.5 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

The current owner of the site is Edelman Family Limited Partnership

The current property manager is Mr. Irwin Rickman.

The current occupant is a commercial parking garage.

4.6 REASON FOR PERFORMING PHASE I

Merritt Engineering was retained to perform a Phase I Environmental Site Assessment (ESA) as an agent for Soho Properties.

4.7 OTHER/ADDITIONAL INFORMATION PROVIDED

No additional information was provided.

5) RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

The federal government and New York State have compiled database lists of contaminated, potentially hazardous and regulated sites that may impact the subject property. Environmental Data Resources (EDR) has provided this information to Merritt Engineering Consultants.

5.2 DATABASE SEARCHES

The following Federal and State databases were reviewed by Merritt Engineering Consultants on June 23, 2006, with the corresponding distance.

Database	Radius Searched
FEDERAL	
1. Federal National Priority List	1 Mile
2. Federal CERCLIS list	½ Mile
3. Federal RCRA TSD facilities list	½ Mile
4. Federal RCRA generators list	Site & Adjacent Properties
5. Federal ERNS list	Site
STATE	
1. State lists of Haz. Waste Sites	1 Mile
2. State landfill/solid waste site lists	½ Mile
3. State leaking UST lists (LUSTs)	½ Mile
4. State registered tanks	Site & Adjacent Properties

FINDINGS

The closest 100 sites have been included in Appendix A.

Due to the density of the area, several of the site printouts have been omitted from the report.

National Priorities List (NPL) - list compiled by EPA pursuant to CERCLA 42 USC 9605(a)(8)(B) of properties with the highest priority for cleanup pursuant to EPA's Hazard Ranking System.

Findings: No sites located within a 1-mile radius. **(See State Hazardous Waste Sites Maps)**

Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) - the list of sites compiled by EPA that EPA has investigated or is currently investigating for potential hazardous substance contamination for possible inclusion on the National Priorities List

Findings: No sites located within a ½-mile radius.

Resource Conservation Recovery Act (RCRA) Treatment Storage Disposal (TSD) facilities - those facilities on which treatment storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA. Inclusion on the RCRA TSD list does not imply contamination has occurred at the site

Findings: No sites located within a ½-mile radius.

Resource Conservation Recovery Act (RCRA) generators list - list kept by EPA of those persons or entities that generate hazardous wastes as defined and regulated by RCRA. Inclusion on the RCRA list does not imply contamination has occurred at the site.

Findings: No generators listed at property.
107 generators listed within a ¼-mile radius.

Emergency Response Notification System (ERNS) list - list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR Parts 302 & 355.

Findings: Site not listed.

Department of Environmental Conservation (DEC) lists the contaminated sites throughout the State and classifies the degree of contamination. Number 1 being highly contaminated; number 5 being the least hazardous to the public.

code:

1. Causing or presenting an immunent danger of causing irreversible or irreparable damage to the public health or environment - immediate action required;

2. Significant threat to the public health or environment - action required;

2a. Temporary classification assigned to sites that have inadequate and/or insufficient data for inclusion in any of the other classifications.

3. Does not present a significant threat to the public health or the environment - action may be deferred;

4. Site is properly closed - requires continued management;

5. Site is properly closed, no evidence of present or potential adverse impact - no further action is required.

Findings: No sites located within a 1-mile radius. **(See State Hazardous Waste Maps)**

Solid Waste Disposal Site - any place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term landfill and is also known as a garbage dump, trash dump or by similar terms.

Findings: No sites located within a ½-mile radius.

Spill Logs/LUST list - New York Department of Environmental Conservation (NYDEC) has a computerized list of spills that have occurred as of 1986, including the present status of the sites. In addition, the leaking underground storage tank (LUST) database was also reviewed for reported incidents in the area.

Findings: 130 LUSTs located within a ½-mile radius.

55 NY Spills located within a 1/8-mile radius.

The closest sites are.

1) 133 West 25th Street Spill # 0101259 Spill date: 05/02/01 Close date: 06/19/01	2) 127-131 West 170th Street LUST # 9414568 Spill date: 02/04/95 Close date: 02/07/95

Since the spills have been closed by the New York State Department of Environmental Conservation (NYSDEC), they do not appear to adversely affect the subject site

State registered tanks - state lists of storage tanks required to be registered under Subtitle I. Section 9002 of RCRA.

Findings: No registered tanks located on site.
293 registered tank sites located within a 1/8-mile radius.

ECOLOGICAL SENSITIVE AREA

Based on information provided by Environmental Data Resources (EDR), no designated wetlands or flood plains are located in the immediate vicinity of the property.

5.3 DATABASE SITE MAPS

A map provided by Merritt Engineering Consultants indicating the property and surrounding 1-mile radius has been included in Appendix A. The map denotes any National Priority Listed Sites (NPL) and State Hazardous Waste Sites (SHWS) sites within the ASTM radius of 1 mile.

5.4 ORPHAN SITES

Our database review indicated several sites that cannot be positively plotted (orphan sites). A total of 48 sites were classified as orphans.

The subject site does not appear on the orphan list.

5.5 LOCAL AGENCY REVIEW

We have researched the New York City Health & Fire Department records for any information of hazardous operations including, past spills, leaks or violations. The information provided indicated several fire department violations which do not appear to impact the scope of this assessment.

5.6 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

No additional environmental records were researched.

None of the sites on the database or local agency review provided appear to impact the scope of this assessment.

5.7 PHYSICAL SETTING SOURCES

5.8 BODIES OF WATER

The nearest body of water to the subject site is the Hudson River, which is approximately ¼ mile west of the site.

5.9 GROUND WATER FLOW

Through information provided by EDR, hydrological data involving ground water flow has been obtained. Based on our findings, the hydrological groundwater flows in a westerly direction eventually emptying into the Hudson River.

Groundwater in this area is at a depth of approximately 37 feet.

Drinking water for the five boroughs has been supplied by the New York reservoir system for many years (See Map in Appendix A). Groundwater is not a primary source of drinking water for Manhattan. The property is not within a public potable well field protection area and is, therefore, not subject to land use restrictions for such areas.

5.10 SITE GEOLOGY AND TOPOGRAPHY

Information pertaining to the hydrogeologic setting in the vicinity of the subject property was obtained from a review of selected published documents and maps. United States Geological Survey (USGS) 7.5-minute Topographic Maps were used to characterize surface topography, water table elevation and drainage. Subsurface characteristics were obtained from USGS Surficial and Bedrock Geology Maps from the lower Hudson Sheet

5.11 HISTORICAL USE INFORMATION ON THE PROPERTY

A. Sanborn Fire Insurance maps of the site and immediate area were available for the years 1890, 1899, 1911, 1930, 1950, 1976, 1979, 1980, 1982, 1985, 1987, 1988, 1991, 1992, 1993, 1994, 1995 and 1996. The maps indicate the following information:

   1911 Candy and Chocolate Factory
   1930-1996 Garage

   Sanborn Maps for the years 1930-1996 show that there are eight (8) 550 gallon gasoline tanks buried on site. Further evaluation is recommended.

B. Aerial Photographs of the site and immediate area were available for the years 1943, 1953, 1966, 1976, 1984 and 1995. The photos indicate the following information:

   This section of Manhattan has been developed with residential and commercial buildings from 1943 through the latest aerial photo available (1995).

5.12 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

The Sanborn Fire Insurance Maps and Aerial Photos reviewed by Merritt Engineering Consultants cover the adjoining properties on the north, south, east & west. No recognized environmental conditions were noted. (gas tanks, filling station etc.)

6) SITE RECONNAISSANCE

6.1 METHODOLOGY AND LIMITING CONDITIONS

At the time of our inspection, the following areas were accessed by Mr. John Perotti, of our staff: basement areas, roof top, utilities areas, basement elevator motor room, all upper floors and all accessible exterior areas of the site.

6.2 GENERAL SITE SETTING

South side of West 25th Street
Topography is hilly

6.3 EXTERIOR OBSERVATIONS

No potential environmental conditions such as, dead vegetation, gas/chemical spills or storage drums were observed throughout the exterior areas at the time of our inspection.

6.4 INTERIOR OBSERVATIONS

The interior inspection revealed no evidence of any on-site spillage or disposal of chemicals or other hazardous materials.

During our inspection of the basement area it appears there is an abandoned boiler room located in the West 25th Street sidewalk vault with no access.

Floor drains were noted at the time of our inspection of the basement area. No oil or chemical products were noted in or about the drains

No hydraulic equipment was observed on the subject property. The elevator is a hydraulic unit No oil staining or pooling was noted in the elevator motor room at the time of our inspection.

There is an abandoned hydraulic lift on site (See Photo Section). Further evaluation of the lifts and soil sampling around the area around the lift is recommended. If no proof of proper abandonment is available, due to the amount of cars parked in the area it is possible there are more lifts.

6.5 UNDERGROUND STORAGE TANKS (UST) AND DRUMS

Each year, thousands of petroleum leaks and spills are reported to the Department of Environmental Conservation (DEC) / Department of Environmental Protection (DEP). Thousands of others may go unreported mainly because they have not yet been discovered. These leaks can enter the ground, seep into an aquifer and contaminate a water supply. In some places, water wells have been closed down and people have had to vacate their homes. Even small amounts of petroleum in soil or groundwater can be tasted or smelled and can subsequently affect health.

Leaking petroleum storage tanks are a major source of groundwater contamination. The DEC/DEP estimates that there may be as many as 185,000 tanks storing petroleum, which are subject to state regulations. Many of these tanks are bare steel and were installed underground in the 1950's and 1960's. These tanks have weakened by rust and have a fifty percent chance of developing leaks.

FINDINGS

There appears to be eight (8) abandoned underground storage tanks (USTs) holding gasoline located under the basement floor. In addition, Sanborn Maps for the years 1930-1996 show that there are eight (8) gasoline tanks buried on site. It is recommended that the owner supply documentation indicating proper abandonment of the tanks.

Should no documentation be available, it is recommended that a Phase II investigation, including soil borings and a ground penetrating radar (GPR) scan be conducted to determine if any buried tanks or sub-surface contamination is present.

6.6 ABOVEGROUND STORAGE TANKS (AST)

No above ground storage tanks (AST's) or storage drums were observed in any of the accessible areas at the time of our inspection.

6.7 ASBESTOS

The EPA has identified over 3,000 products used in buildings containing asbestos fibers. Our inspection of the premises is to determine the presence of **friable asbestos**, as defined by the Federal Environmental Protection Agency as any material, which may be pulverized with hand pressure. This material has the potential to release asbestos fibers into the atmosphere and in turn may be hazardous to the building occupants' health.

We have not inspected for or included in our report any building materials, which may contain non-friable asbestos such as vinyl asbestos floor tiles, exterior asbestos shingles, asbestos roofing felts, etc. Many of these materials are still manufactured today and not considered hazardous unless the material is cut, sawed, or grounded in a manner that might release asbestos fibers into the atmosphere.

We have used the 4-category system as defined by Asbestos Hazardous Emergency Response Act (AHERA) to designate the different conditions of asbestos noted throughout the areas of the site.

1. *Good Condition*
   Material with no visible damage or deterioration to very limited damage or deterioration.

2. *Fair Condition*
   Material with one or more of the following characteristics:
   - *A few water stains or less than one tenth of insulation with missing jackets.*
   - *Crushed insulation or water stains, gouges, puncture or mars on up to one tenth of the insulation if the damage is evenly distributed (or up to one quarter if the damage is localized).*

3. *Poor Condition*
   Material with one or more of the following characteristics:
   - *Missing jackets on at least one tenth of the piping equipment.*
   - *Crushed or heavily gouged or punctured insulation on at least one tenth of pipe runs/risers, boiler, tank duct, etc., if the damage is evenly distributed (one quarter if the damage is localized).*

4. *Significantly Damaged*
   Thermal systems insulation on pipes, boilers, tanks, ducts, and other thermal system insulation equipment which the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, water-stained, gouged, punctured, missing, or not intact such that is not able to contain fibers. Damage may be further illustrated by occasional puncture, gouges, or other signs of physical injury to ACM; occasional water damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris, originating from the ACM in question may also indicate damage.

ASBESTOS FINDINGS

No friable asbestos containing material was observed in any of the accessible areas of the building.

Many buildings' fireproofing is concealed in a plenum above the ceiling. These areas were not accessible and, therefore, we are unable to determine the type of fireproofing for those areas above the first floor.

6.8 ELECTRICAL TRANSFORMERS (PCBs)

Transformers often contain Poly-chlorinated biphenyl (PCB) Askarel coolant liquid and are generally used in hazardous locations where flammability is of concern. PCB transformers are no longer produced because of EPA's ban on the manufacture of new equipment containing PCB's.

FINDINGS

No electrical transformers were observed on the property. Therefore, the release of toxic P.C.B. chemicals is not a concern.

Per to toxic substance contract act (TSCA) the transformer owner, i.e. Utility Company, is responsible for all transformers maintenance and all spills of PCB's from their transformers.

Fluorescent light fixtures were not inspected for PCB content under the scope of this assessment.

6.9 GARBAGE DISPOSAL

There are no active incinerators located on the property. The garbage to be disposed of is placed in portable cans with covers. These containers are picked up several times per week by private sanitation.

6.10 LEAD BASED PAINT

Lead-based paint (LBP) was used extensively in buildings and structures that were constructed prior to 1978 and can be hazardous when damaged (i.e., chipped, broken, crumbling, pulverized); lead is toxic to humans particularly to children, if ingested, inhaled, or otherwise absorbed. Exposure to lead can cause health problems in children ranging from damage to the brain and nervous system, behavioral and learning problems (such as hyperactivity), slowed growth, hearing problems and headaches. In adults the health problems can range from difficulties during pregnancy, other reproductive problems, high blood pressure, digestive problems, nerve disorders, memory and concentration problems and muscle and joint pain.

Our research indicates the building was constructed **prior to 1978**, and lead based paint is assumed to be present throughout the building.

FINDINGS

The painted surface in the common areas inspected by Merritt Engineering Consultant's staff did not demonstrate signs of peeling or cracking. No samples of the paint were analyzed since this is beyond the scope of a Phase 1 Environmental Assessment.

Research of the Housing Preservation and Development (HPD) Department records did not reveal any lead based paint violations against the subject site (See Appendix A)

In addition, the site is not used for residential purposes.

A lead based paint survey in accordance with The Housing & Urban Development (HUD) guidelines was not conducted under the scope of this assessment.

6.11 NATURAL GAS

There building does not utilize natural gas

6.12 RADON

Radon first gained national attention in early 1984, when extremely high levels of indoor radon were found in areas of Connecticut, Pennsylvania, New Jersey, and New York. Radon is a colorless, odorless radioactive gas Nearly one out of every 15 homes in the U.S. is estimated to have elevated annual average levels of indoor radon. EPA established a Radon Program in 1985 to assist States and homeowners in reducing their risk of lung cancer from indoor radon.

FINDINGS

The New York State Department of Health indicates the average radon level for this area of Manhattan to be 1.4 pico curies per liter (pCi/L), which is below the EPA action level of 4 pCi/L.

A radon canister was not initiated at the time of our inspection since this is beyond the scope of this assessment.

6.13 STORM AND SANITARY DISCHARGE

There are no cesspools or septic tanks located on the property. The sanitary system for this building consists of a combination storm and sanitary drainage system, which empties by gravity into the New York City sewer system located under West 24th and West 25th Street.

6.14 WATER SUPPLY

The U.S. Environmental Protection Agency estimates that drinking water can comprise 20% or more of a person's total exposure to lead. Although lead in drinking water is rarely the single cause of lead poisoning, it can significantly increase a person's total lead exposure. Infants who are fed baby formula or drinks mixed with hot water from the tap are the most vulnerable to lead in drinking water. Lead solder can leach into the water supply. Standing water in the piping system can aid in the leaching process.

The EPA action level for lead in drinking water is 15 parts per billion, (PPB).

A sample with lead levels that equal or exceed 15 PPB is considered to have elevated levels of lead, and it is recommended that response action be taken. This response action may include additional testing, replacement of plumbing components, or an operations and maintenance program.

FINDINGS

The water main enters the property from West 25th Street. The main is connected to water meters located in the basement. The domestic water is supplied by New York City through aqua-ducts from upstate reservoirs.

There are no private ground water wells servicing this property.

No testing of the water was conducted under this scope.

7) INTERVIEWS

7.1 INTERVIEW WITH OWNER

The owner was not present during our inspection.

7.2 INTERVIEW WITH SITE REPRESENTATIVE

During our on-site visit, we interviewed Mr. I[illegible]an, who is the garage manager and is associated with the site for 2 years.

Copies of the above records of communications are included in Appendices, Section 10.6.

7.3 INTERVIEWS WITH OCCUPANTS (TENANTS)

No other individuals were interviewed regarding the facility.

7.4 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

MEC has retained Express Research to provide local government agency information which includes the following.

New York City Health Department
New York City Fire Department
New York City Department of Housing Preservation and Development

Copies of the above records of communications are included in Appendices, Section 10.4

7.5 INTERVIEWS WITH OTHERS

No additional interviews were conducted as part of this assessment.

8) REPORT SUMMARY

Based on our site reconnaissance, database review and historical investigation, the following Recognized Environmental Conditions (RECs) were noted at the time of our inspection.

A Recognized Environmental Condition means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under compliance with laws.

	ITEM	APPROXIMATE COST	PAGE
1A	There appears to be eight (8) abandoned underground storage tanks (USTs) holding gasoline located under the basement floor. In addition, Sanborn Maps for the years 1930-1995 also identified eight (8) gasoline tanks buried on site. It is recommended that the owner supply documentation indicating proper abandonment of the tanks.	Cost not determined	15
1B	Should no documentation be available, it is recommended that a Phase II investigation, including soil borings and a ground penetrating radar (GPR) scan be conducted to determine if any buried tanks or sub-surface contamination is present.	[illegible]	15
2A	Provide documentation for abandoned hydraulic lift on site.	Cost not determined	14
2B	Should no documentation be available, soil borings should be conducted around the area of the lift to determine if any sub surface contamination is present.	$1,500-$2,500	14

The following de minimis conditions were noted but are not considered Recognized Environmental Conditions (RECs).

A de minimis condition is one that generally does not present a material risk of harm to public health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies (excluding local asbestos & lead situations).

	ITEM	APPROXIMATE COST	PAGE
1	Further evaluation of abandoned boiler room located in the West 25th Street sidewalk vault. There as no access at the time of the inspection.	$250 Re-inspection Fee	14

No Historical Recognized Environmental Conditions (HRECs) were reported. In addition no evidence of HRECs were observed during our on-site inspection/ identified in our database search/historical review.

8.2 CONCLUSION

Merritt Engineering Consultants has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E1527 of (112-118 West 25th Street, a/k/a: 113-117 West 24th Street, New York, New York 10001), the property. Any exceptions to, or deletions from, this practice are described in Section [2.2] of this report.

8.3 OPINIONS

Based on our site reconnaissance, database review, historical review and interviews with persons familiar with the subject site and adjacent properties, the above Recognized Environmental Conditions (RECs) and/or de minimis conditions were identified under the scope of services outlined in Section 2.2. Further investigation is recommended.

No Historical Recognized Environmental Conditions were indicated or discovered during our on site inspection / database review / Historical Research.

8.4 DEVIATIONS

The assessment was performed in accordance with the Phase I (ESA) detailed scope of services in section 2.2, and the requirements of the detailed scope of work were met.

8.5 ADDITIONAL SERVICES

No additional services were performed beyond the detailed scope of services in section 2.2.

8.6 REFERENCES

All references relied upon are located in Appendix A.

9) CONSULTANT INFORMATION

9.1 QUALIFICATIONS AND SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

See Appendix A

We thank you for allowing Merritt Engineering Consultants, P.C., to serve as your Environmental Consultant for this project.

Should you have any questions regarding the contents of this report, please feel free to contact us to discuss the report in further detail

Site Inspector:

John Perotti
Certified Environmental Specialist

Reviewed by:

Charles G. Merritt
Certified Environmental Specialist

Charles G Merritt
Environmental Assessment
#10770
Association
Certified Environmental Specialist

10) APPENDICES

10.1 Site Photographs
10.2 Site (Vicinity) Map
10.3 Hazardous Waste Site Map
10.4 Regulatory Records Documentation
10.5 Historical Research Documentation
10.6 Interview Documentation
10.7 Qualifications
10.8 Special Contractual Conditions between User and Environmental Professional (If Applicable)
10.9 Historical Recognized Environmental Condition (HREC) documentation provided (If Applicable)
10.10 Additional information obtained

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APPENDIX C: REGULATORY DATABASE REPORT

PARTNER

112 West 25th Street
112 West 25th Street
New York, NY 10001

Inquiry Number: 4124383.2s
November 03, 2014

The EDR Radius Map™ Report

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	1730
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

112 WEST 25TH STREET
NEW YORK, NY 10001

COORDINATES

Latitude (North):	40.7443000 - 40° 44' 39.48''
Longitude (West):	73.9928000 - 73° 59' 34.08''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	585036.5
UTM Y (Meters):	4510649.0
Elevation:	35 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995
North Map:	40073-G8 CENTRAL PARK, NY NJ
Most Recent Revision:	1995
West Map:	40074-F1 JERSEY CITY, NJ NY
Most Recent Revision:	1981
Northwest Map:	40074-G1 WEEHAWKEN, NJ NY
Most Recent Revision:	1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20100731, 20110705
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
112 W 25TH ST 112 W 25TH ST NEW YORK, NY 10001	EDR US Hist Auto Stat	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NY VAPOR REOPENED..... Vapor Intrusion Legacy Site List

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF..... Facility Register

State and tribal leaking storage tank lists

NY HIST LTANKS..... Listing of Leaking Storage Tanks
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

NY CBS UST..... Chemical Bulk Storage Database

NY MOSF UST ..... Major Oil Storage Facilities Database
NY CBS AST ..... Chemical Bulk Storage Database
NY MOSF AST ..... Major Oil Storage Facilities Database
NY MOSF ..... Major Oil Storage Facility Site Listing
NY CBS ..... Chemical Bulk Storage Site Listing
INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

NY ENG CONTROLS ..... Registry of Engineering Controls
NY INST CONTROL ..... Registry of Institutional Controls
NY RES DECL ..... Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP ..... Environmental Restoration Program Listing
NY BROWNFIELDS ..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
NY SWRCY ..... Registered Recycling Facility List
NY SWTIRE ..... Registered Waste Tire Storage & Facility List
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
NY DEL SHWS ..... Delisted Registry Sites
US HIST CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information
NY LIENS ..... Spill Liens Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
NY Hist Spills ..... SPILLS Database
NY SPILLS 90 ..... SPILLS 90 data from FirstSearch
NY SPILLS 80 ..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
NY UIC	Underground Injection Control Wells
NY SPDES	State Pollutant Discharge Elimination System
NY AIRS	Air Emissions Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
NY COAL ASH	Coal Ash Disposal Site Listing
NY Financial Assurance	Financial Assurance Information Listing
PCB TRANSFORMER	PCB Transformer Registration Database
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
2020 COR ACTION	2020 Corrective Action Program List
COAL ASH DOE	Steam-Electric Plant Operation Data
LEAD SMELTERS	Lead Smelter Sites
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA LF	Recovered Government Archive Solid Waste Facilities List
NY RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 1/2 - 1 (0.932 mi.)***	***0***	***8***

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there are 3 CERC-NFRAP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INTERNATIONAL DIAL CO INC	***22 W 19TH ST***	***S 1/4 - 1/2 (0.352 mi.)***	***DK658***	***1604***
AMERICAN RADIUM INDUSTRIES	43 WEST 16 TH STREET	S 1/4 - 1/2 (0.445 mi.)	689	1658

Lower Elevation	Address	Direction / Distance	Map ID	Page
FEDERAL BUILDING THE	***252 7TH AVE***	***WNW 1/8 - 1/4 (0.126 mi.)***	***T203***	***458***

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
200 FIFTH AVENUE LLC	***200 FIFTH AVENUE***	***SE 1/8 - 1/4 (0.230 mi.)***	***CB545***	***1354***

Lower Elevation	Address	Direction / Distance	Map ID	Page
125 WEST 21ST STREET - ALCHEMY	***121-129 W 21ST ST***	***SSW 1/8 - 1/4 (0.188 mi.)***	***BC380***	***955***

EXECUTIVE SUMMARY

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 7 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MTA NYCT - 23RD STREET STATION	W 23RD ST & 6TH AVE	S 0 - 1/8 (0.097 mi.)	L125	294
HOME DEPOT USA INC HD6175	***40 W 23RD ST***	***SE 1/8 - 1/4 (0.195 mi.)***	***BG409***	***1030***
B SQUARED INC	104 W 29TH ST - 7TH FLO	NE 1/8 - 1/4 (0.214 mi.)	BL472	1198
MTA NYCT - FAN PLTS #8B(6356)&	W 29TH & 6TH AVE	NE 1/8 - 1/4 (0.217 mi.)	BL503	1265

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON AT FASHION INSTITUT	***227 W 27TH ST***	***NNW 1/8 - 1/4 (0.207 mi.)***	***BM450***	***1117***
ONEILL CONDOMINIUM	***655 6TH AVE***	***SSW 1/8 - 1/4 (0.224 mi.)***	***CK531***	***1328***
SWAN'S II CLEANERS	***181 7TH AVENUE***	***WSW 1/8 - 1/4 (0.237 mi.)***	***CE586***	***1448***

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 16 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON MANHOLE: 56445	W 26TH ST 228 FEET E OF	ENE 0 - 1/8 (0.059 mi.)	H57	151
DAN KANE PLATING INC	***115 W 27TH ST 2ND FLOOR***	***NE 0 - 1/8 (0.116 mi.)***	***U165***	***389***
LAW & ORDER - CRIMINAL INTENT	***PIER 61 W 23RD ST AT WE***	***SSE 1/8 - 1/4 (0.148 mi.)***	***AH271***	***662***
ADAMS & CO REAL ESTATE INC	***53 W 23RD ST 8TH FLOOR***	***SSE 1/8 - 1/4 (0.162 mi.)***	***AQ289***	***728***
CON EDISON SERVICE BOX: 4273	***37 W 23RD ST***	***SE 1/8 - 1/4 (0.188 mi.)***	***BG379***	***953***
HORAN ENGRAVING CO INC	***44 W 28TH ST***	***ENE 1/8 - 1/4 (0.202 mi.)***	***BQ425***	***1068***
KIM JOHN RESIDENCE	***15 W 24TH ST - 6TH FLOO***	***SE 1/8 - 1/4 (0.204 mi.)***	***BE433***	***1090***
NYCT - 28TH ST STATION N/R LIN	***COR OF 28TH ST & BROADW***	***ENE 1/8 - 1/4 (0.224 mi.)***	***CJ528***	***1324***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WALGREEN CO #14293	***140 W 23RD ST***	***SW 0 - 1/8 (0.089 mi.)***	***N111***	***267***
23 FRENCH DRY CLEANERS	***169 W 23RD ST***	***WSW 0 - 1/8 (0.108 mi.)***	***R143***	***323***
DARBERT CORP	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.140 mi.)***	***AC238***	***546***
SCHOOL OF VISUAL ARTS	***141 W 21ST ST***	***SSW 1/8 - 1/4 (0.182 mi.)***	***BC344***	***850***
SCHOOL OF VISUAL ARTS	***133-141 W 21ST ST***	***SSW 1/8 - 1/4 (0.182 mi.)***	***BC346***	***870***
SCHOOL OF VISUAL ARTS	132-136 W 21ST ST	SSW 1/8 - 1/4 (0.187 mi.)	BC377	949
CON EDISON	***220 W 27TH ST***	***NNW 1/8 - 1/4 (0.197 mi.)***	***BM414***	***1053***
PIERMONT CLEANERS	***188 7TH AVE***	***WSW 1/8 - 1/4 (0.222 mi.)***	***CE522***	***1299***

State- and tribal - equivalent CERCLIS

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 07/16/2014 has revealed that there is 1 NY SHWS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER GUARDIAN CLEANERS	27-35 WEST 24TH STREET	SE 1/8 - 1/4 (0.184 mi.)	BE353	887

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 05/19/2014 has revealed that there are 127 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
734-754 AVE OF AMERICAS Spill Number/Closed Date: 8912052 / 12/31/2001	750 6TH AVE	E 0 - 1/8 (0.051 mi.)	D44	128
131 WEST 26TH STREET Spill Number/Closed Date: 9811447 / 2/11/1999	131 WEST 26TH STREET	NNE 0 - 1/8 (0.066 mi.)	I72	194
135 WEST 26TH STREET Spill Number/Closed Date: 0009418 / 11/17/2000	135 WEST 26TH ST	NNE 0 - 1/8 (0.066 mi.)	I76	199
SPILL NUMBER 0208834 Spill Number/Closed Date: 0208834 / 4/8/2004	142 WEST 26TH ST	N 0 - 1/8 (0.070 mi.)	I85	218
CHELSEA HOUSES -NYCHA Spill Number/Closed Date: 9806339 / 8/27/2013	***431 WEST 25TH ST***	***E 0 - 1/8 (0.095 mi.)***	***Q118***	***283***
COMMERCIAL BLDG Spill Number/Closed Date: 9900203 / 11/29/2002	55 W 26TH ST	ENE 0 - 1/8 (0.111 mi.)	V146	340
SPILL NUMBER 9814178 Spill Number/Closed Date: 9808491 / 10/20/1998	***115 WEST 27TH ST***	***NE 0 - 1/8 (0.116 mi.)***	***U161***	***366***
115 W 27TH ST CO Spill Number/Closed Date: 9808374 / 5/30/2006	***115 W 27TH ST***	***NE 0 - 1/8 (0.116 mi.)***	***U162***	***368***
DAN KANE PLATING INC Spill Number/Closed Date: 0514291 / 4/28/2006	***115 WEST 27TH STREET***	***NE 0 - 1/8 (0.116 mi.)***	***U164***	***377***
COMMERCIAL BUILDING Spill Number/Closed Date: 0313783 / 4/2/2004	153 WEST 27TH STREET	N 0 - 1/8 (0.122 mi.)	S175	416
JUSTIN PROPERTIES Spill Number/Closed Date: 0007013 / 3/4/2003	153 W 27TH ST	N 0 - 1/8 (0.122 mi.)	S176	418
CONSTRUCTION SITE Spill Number/Closed Date: 0007926 / 5/27/2003	56-74 W 23RD ST	S 0 - 1/8 (0.124 mi.)	AB197	451

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APARTMENT/COMMERCIAL Spill Number/Closed Date: 0404673 / 3/7/2006	109 WSET 27TH STREET	NNE 1/8 - 1/4 (0.129 mi.)	U208	468
50 W 23RD ST Spill Number/Closed Date: 9600169 / 1/5/2000	50 W 23RD ST	SSE 1/8 - 1/4 (0.143 mi.)	AH247	582
ACE ATLAS Spill Number/Closed Date: 0608788 / 3/22/2007	48 WEST 25TH STREET	ESE 1/8 - 1/4 (0.145 mi.)	AI258	612
SPILL NUMBER 0208979 Spill Number/Closed Date: 0208979 / 12/3/2002	28 WEST 27TH ST	ENE 1/8 - 1/4 (0.146 mi.)	AJ263	630
SPILL NUMBER 9914234 Spill Number/Closed Date: 9914234 / 3/20/2000	49/51 W. 24TH ST	SE 1/8 - 1/4 (0.149 mi.)	AN274	685
STORE Spill Number/Closed Date: 9815530 / 8/4/2000	48 WEST 27TH STREET	ENE 1/8 - 1/4 (0.163 mi.)	AJ292	737
OFFICE BUILDING Spill Number/Closed Date: 0410691 / 8/10/2006	45 WEST 27TH STREET	ENE 1/8 - 1/4 (0.177 mi.)	AW326	808
UNKNOWN TTF Spill Number/Closed Date: 1010552 / 4/19/2011	12 WEST 27TH ST	E 1/8 - 1/4 (0.190 mi.)	BI387	980
12 WEST 27TH STREET Spill Number/Closed Date: 9508284 / 3/10/2010	***12 WEST 27TH STREET***	***E 1/8 - 1/4 (0.190 mi.)***	***BI388***	***981***
SPILL NUMBER 9812742 Spill Number/Closed Date: 9812742 / 1/18/1999	12 W 27TH ST	E 1/8 - 1/4 (0.190 mi.)	BI389	983
APARTMENT BUILDING Spill Number/Closed Date: 0311861 / 9/10/2004	1141 BROADWAY	E 1/8 - 1/4 (0.201 mi.)	BP422	1063
ROTTEN VENT PIPE - TTF Spill Number/Closed Date: 1206250 / Not Reported	38 WEST 28 TH ST	ENE 1/8 - 1/4 (0.206 mi.)	BQ444	1108
28-28 WEST 28TH ST Spill Number/Closed Date: 8805273 / 9/30/1992 Spill Number/Closed Date: 8805274 / 9/30/1992	28-28 WEST 28TH STREET	ENE 1/8 - 1/4 (0.217 mi.)	BQ496	1253
1170 BROADWAY Spill Number/Closed Date: 0209935 / 5/11/2005	1170 BROADWAY	ENE 1/8 - 1/4 (0.217 mi.)	BZ497	1255
1200 BROADWAY Spill Number/Closed Date: 9706587 / 9/3/1997	***1200 BROADWAY***	***ENE 1/4 - 1/2 (0.253 mi.)***	***CY622***	***1532***
FISHKIN HOME Spill Number/Closed Date: 0412444 / 3/15/2006	130 WEST 30TH STREET	NNE 1/4 - 1/2 (0.258 mi.)	DA623	1534
1204 BROADWAY Spill Number/Closed Date: 0803745 / 12/1/2008	***1204 BROADWAY***	***ENE 1/4 - 1/2 (0.260 mi.)***	***CY624***	***1536***
SPILL NUMBER 0008171 Spill Number/Closed Date: 0008171 / 7/25/2001	178-180 5TH AV	SE 1/4 - 1/2 (0.268 mi.)	DC625	1539
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 8906957 / 3/6/2003	167 NORTH 5TH STREET	SE 1/4 - 1/2 (0.270 mi.)	DC626	1540
12 WEST 21ST ST Spill Number/Closed Date: 1010551 / 4/19/2011	***12 WEST 21ST ST***	***SSE 1/4 - 1/2 (0.271 mi.)***	***627***	***1541***
APARTMENT BUILDING Spill Number/Closed Date: 0608561 / 12/18/2006	166 FIFTH AVENUE	SSE 1/4 - 1/2 (0.276 mi.)	629	1548
TRAPER'S INCORPORATED Spill Number/Closed Date: 8709868 / 10/7/1992	135 WEST 30TH STREET	NNE 1/4 - 1/2 (0.280 mi.)	631	1551
OFFICE BUILDING Spill Number/Closed Date: 0312186 / 8/15/2005	245 5TH AVE	E 1/4 - 1/2 (0.284 mi.)	632	1552

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
30TH ST & BROADWAY/MANH Spill Number/Closed Date: 9010217 / 12/20/1990	30TH ST & BROADWAY	NE 1/4 - 1/2 (0.285 mi.)	633	1553
RETAIL BUSINESS Spill Number/Closed Date: 0409245 / 11/19/2004	36 WEST 20TH STREET	S 1/4 - 1/2 (0.290 mi.)	634	1554
LIVE BAIT RESTERAUNT Spill Number/Closed Date: 0401599 / 4/19/2007	14 EAST 23RD STREET	SE 1/4 - 1/2 (0.308 mi.)	641	1564
120 WEST 31ST ST Spill Number/Closed Date: 9905948 / 4/5/2006	120 WEST 31ST ST	NNE 1/4 - 1/2 (0.309 mi.)	DF642	1567
APARTMENT BUILDING - TTF Spill Number/Closed Date: 1205628 / Not Reported	132 WEST 31ST STREET	NNE 1/4 - 1/2 (0.310 mi.)	DF643	1568
PRIVATE RESIDENCE Spill Number/Closed Date: 0409184 / 11/29/2005	261 5TH AVE	E 1/4 - 1/2 (0.311 mi.)	DG644	1570
261 5TH AVE //ALSO SEE 0409184 Spill Number/Closed Date: 0409482 / 12/13/2004	261 5TH AVE	E 1/4 - 1/2 (0.312 mi.)	DG645	1571
MADISON - GREEN CONDO Spill Number/Closed Date: 8804440 / 8/23/1988	5 E 22ND ST	SE 1/4 - 1/2 (0.312 mi.)	646	1572
MANH EAST SUITE HOTEL Spill Number/Closed Date: 8900752 / 4/25/1989	371 7TH AVENUE	N 1/4 - 1/2 (0.312 mi.)	647	1573
COMMERCIAL LOCATION Spill Number/Closed Date: 0006542 / 8/21/2008	875 6TH AV	NE 1/4 - 1/2 (0.314 mi.)	648	1574
X Spill Number/Closed Date: 0209007 / 12/5/2005	149 5TH AVE	SSE 1/4 - 1/2 (0.316 mi.)	649	1577
EMPIRE STATE LOFTS, LTD Spill Number/Closed Date: 0502173 / 6/23/2005	***11 WEST 30TH STREET***	***ENE 1/4 - 1/2 (0.326 mi.)***	***653***	***1590***
SPILL NUMBER 0200982 Spill Number/Closed Date: 0200982 / 11/7/2002	***276 5TH AVE***	***ENE 1/4 - 1/2 (0.344 mi.)***	***654***	***1597***
CONDO SITE Spill Number/Closed Date: 0011666 / 5/27/2003	***23-25 EAST 21ST ST***	***SSE 1/4 - 1/2 (0.358 mi.)***	***DL661***	***1610***
BUSINESS Spill Number/Closed Date: 9910697 / 12/22/1999	34 EAST 23RD ST	SE 1/4 - 1/2 (0.361 mi.)	DM662	1614
29 EAST 21ST STREET Spill Number/Closed Date: 9509065 / 10/23/1995	***29 EAST 21ST ST***	***SSE 1/4 - 1/2 (0.365 mi.)***	***DL665***	***1619***
MAJESTIC ROSE Spill Number/Closed Date: 0210555 / 1/2/2004 Spill Number/Closed Date: 0210483 / 1/21/2003	76 MADISON AV	E 1/4 - 1/2 (0.372 mi.)	667	1623
36 EAST 23TH ST. Spill Number/Closed Date: 9315499 / 3/31/1994	36 EAST 23TH ST.	SE 1/4 - 1/2 (0.381 mi.)	DM668	1626
102 MADISON AVE/MANH Spill Number/Closed Date: 9013232 / 3/31/1995 Spill Number/Closed Date: 9013196 / 3/31/1995	102 MADISON AVENUE	E 1/4 - 1/2 (0.390 mi.)	670	1629
SPILL NUMBER 0011353 Spill Number/Closed Date: 0011353 / 1/18/2001	12 WEST 18TH ST	S 1/4 - 1/2 (0.393 mi.)	DN671	1631
SPILL NUMBER 0212511 Spill Number/Closed Date: 0212491 / 5/6/2005	***48 EAST 21ST STREET***	***SSE 1/4 - 1/2 (0.393 mi.)***	***672***	***1632***
12 WEST 18TH STREET Spill Number/Closed Date: 0209822 / 8/30/2005	12 WEST 18TH ST	S 1/4 - 1/2 (0.393 mi.)	DN673	1636
12 EAST 32ND STREET/MANHA Spill Number/Closed Date: 8807249 / 12/4/1992	12 EAST 32ND STREET	ENE 1/4 - 1/2 (0.406 mi.)	674	1638

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 9914457 Spill Number/Closed Date: 9914457 / 3/22/2000	29 WEST 17TH ST	S 1/4 - 1/2 (0.414 mi.)	DO676	1640
99 MADISON AVE Spill Number/Closed Date: 9808216 / 4/21/2003	99 MADISON AVE	E 1/4 - 1/2 (0.416 mi.)	677	1641
26 WEST 17TH ST/ACE ATLAS Spill Number/Closed Date: 8800557 / 12/29/1988	26 WEST 17TH ST	S 1/4 - 1/2 (0.417 mi.)	DO678	1642
890 BROADWAY CONDO TTF Spill Number/Closed Date: 1108502 / 12/22/2011	890 BROADWAY	SSE 1/4 - 1/2 (0.429 mi.)	681	1646
SPILL NUMBER 0104856 Spill Number/Closed Date: 0104856 / 12/12/2003 Spill Number/Closed Date: 1100694 / 12/20/2012	120 MADISON AV	E 1/4 - 1/2 (0.435 mi.)	682	1647
APARTMENT BUILDING Spill Number/Closed Date: 0313041 / 5/26/2004	280 PARK AVE SOUTH	SE 1/4 - 1/2 (0.453 mi.)	694	1663
SPILL NUMBER 0208080 Spill Number/Closed Date: 0208080 / 11/4/2002	105 E 26TH ST	ESE 1/4 - 1/2 (0.454 mi.)	695	1665
SPILL NUMBER 9903174 Spill Number/Closed Date: 9903174 / 8/25/2003	28 E 31ST ST	ENE 1/4 - 1/2 (0.456 mi.)	DS696	1666
89 5TH AVENUE Spill Number/Closed Date: 9410087 / 10/28/1994	89 5TH AVENUE	S 1/4 - 1/2 (0.459 mi.)	697	1667
IN SEWER BEHIND Spill Number/Closed Date: 9903175 / 6/18/1999	131 MADISON AVE	ENE 1/4 - 1/2 (0.459 mi.)	DS700	1671
419 PARK AVE SOUTH Spill Number/Closed Date: 0210827 / 1/30/2003	419 PARK AVE SOUTH	E 1/4 - 1/2 (0.481 mi.)	DU706	1682
339 5TH AVENUE Spill Number/Closed Date: 9309720 / 11/12/1993	339 5TH AVENUE	ENE 1/4 - 1/2 (0.483 mi.)	707	1683
APT BUILDING Spill Number/Closed Date: 1012263 / 4/8/2011	257 PARK AVE SOUTH	SE 1/4 - 1/2 (0.486 mi.)	DV709	1687
E32ND ST ON THE STREET Spill Number/Closed Date: 9812034 / 3/3/2003	E.32ND ST/ MADISON AVE	ENE 1/4 - 1/2 (0.491 mi.)	711	1692
116 EAST 27TH ST Spill Number/Closed Date: 9814041 / 2/25/2003	***116 EAST 27TH ST***	***ESE 1/4 - 1/2 (0.497 mi.)***	***715***	***1720***
UNKNOWN BUILDING - TTF Spill Number/Closed Date: 1108615 / Not Reported	419 PARK AVE SOUTH	E 1/4 - 1/2 (0.497 mi.)	DU716	1723
APRT Spill Number/Closed Date: 0602910 / 12/22/2009	240 CENTRAL PARK SOUTH	SSE 1/4 - 1/2 (0.500 mi.)	717	1724

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 0110441 Spill Number/Closed Date: 0110441 / 1/31/2002	142 WEST 24TH ST	WSW 0 - 1/8 (0.044 mi.)	F29	95
BUSINESS Spill Number/Closed Date: 9813461 / 5/7/2004	119 W 23RD ST	SSW 0 - 1/8 (0.064 mi.)	J66	183
SPILL NUMBER 0110039 Spill Number/Closed Date: 0110039 / 4/11/2003	153 W 23RD ST	WSW 0 - 1/8 (0.097 mi.)	R130	302
OLD GAS STATION Spill Number/Closed Date: 9813276 / 10/24/2002	276 7TH AVE	NW 1/8 - 1/4 (0.135 mi.)	AD223	508
166 WEST 22ND STREET Spill Number/Closed Date: 9400302 / 2/4/2003 Spill Number/Closed Date: 0006798 / 1/2/2001	***166 WEST 22ND STREET***	***SW 1/8 - 1/4 (0.142 mi.)***	***AF245***	***574***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSTRUCTION SITE	***226 WEST 26TH STREET***	***NW 1/8 - 1/4 (0.183 mi.)***	***AU352***	***881***
Spill Number/Closed Date: 9510269 / 11/16/1995				
Spill Number/Closed Date: 9510264 / 11/16/1995				
HAG REALITY	250 WEST 26TH ST	NW 1/8 - 1/4 (0.211 mi.)	BK459	1168
Spill Number/Closed Date: 9813015 / 5/20/2004				
330 7TH AVENUE	***330 7TH AVENUE***	***N 1/8 - 1/4 (0.222 mi.)***	***CI518***	***1292***
Spill Number/Closed Date: 9503741 / 6/26/1995				
APT BLDG	***255 WEST 23RD ST***	***W 1/8 - 1/4 (0.233 mi.)***	***BW570***	***1404***
Spill Number/Closed Date: 0209070 / 6/21/2007				
255 W. 23RD ST	255 W. 23RD ST	W 1/8 - 1/4 (0.233 mi.)	BW572	1412
Spill Number/Closed Date: 0205799 / 6/20/2003				
232 W. 29TH ST.	232 W. 29TH STREET	NNW 1/4 - 1/2 (0.275 mi.)	DD628	1547
Spill Number/Closed Date: 9409873 / 10/24/1994				
APARTMENT	214 WEST 20TH STREET	WSW 1/4 - 1/2 (0.278 mi.)	630	1549
Spill Number/Closed Date: 0601208 / 7/20/2006				
APARTNMENT BUILDING TTF	245 W 29TH ST	NNW 1/4 - 1/2 (0.292 mi.)	DD635	1555
Spill Number/Closed Date: 1113817 / 11/27/2012				
UNDERGROUND TTF	245 WEST 29TH STREET	NNW 1/4 - 1/2 (0.292 mi.)	DD636	1557
Spill Number/Closed Date: 1113867 / 7/27/2012				
SPILL NUMBER 0104060	***304 8TH AVE***	***NW 1/4 - 1/2 (0.295 mi.)***	***637***	***1559***
Spill Number/Closed Date: 0104060 / 7/18/2001				
EXXONMOBIL	153-169 SEVENTH AVE	SW 1/4 - 1/2 (0.303 mi.)	DE638	1561
Spill Number/Closed Date: 0009966 / 7/11/2003				
EXXONMOBIL	153-169 SEVENTH AVE	SW 1/4 - 1/2 (0.303 mi.)	DE639	1562
Spill Number/Closed Date: 9209472 / 12/7/1992				
MOBIL STATION #17Q53	153-169 SEVENTH AVE	SW 1/4 - 1/2 (0.303 mi.)	DE640	1563
Spill Number/Closed Date: 9911365 / 9/24/2002				
MUTUAL REDEVELOPMENT HOUSES	***315 WEST 25TH STREET***	***WNW 1/4 - 1/2 (0.320 mi.)***	***DH650***	***1578***
Spill Number/Closed Date: 9602633 / 9/16/2005				
CLOSED-LACKOF RECENT INFO	315 W. 25TH ST	WNW 1/4 - 1/2 (0.320 mi.)	DH651	1587
Spill Number/Closed Date: 8908445 / 3/6/2003				
APT. BUILDING	312 WEST 23RD ST	WNW 1/4 - 1/2 (0.321 mi.)	652	1588
Spill Number/Closed Date: 0706771 / 10/11/2007				
CLOSED-LACKOF RECENT INFO	200 WEST 18TH STREET	SW 1/4 - 1/2 (0.347 mi.)	DI655	1600
Spill Number/Closed Date: 9004954 / 3/6/2003				
SPILL NUMBER 0010929	251 W. 19TH ST	WSW 1/4 - 1/2 (0.349 mi.)	DJ656	1601
Spill Number/Closed Date: 0010929 / 7/29/2003				
APRT	213 WEST 18TH STREET	SW 1/4 - 1/2 (0.355 mi.)	DI659	1608
Spill Number/Closed Date: 0800354 / 4/13/2010				
VERIZON	210 W. 18TH ST	SW 1/4 - 1/2 (0.355 mi.)	DI660	1609
Spill Number/Closed Date: 0303667 / 7/8/2003				
UNKNOWN APARTMNT BUILDING	***204 8TH AVE***	***W 1/4 - 1/2 (0.364 mi.)***	***663***	***1615***
Spill Number/Closed Date: 8905180 / 9/15/1997				
APARTMENT HOUSE	***264 W. 19TH ST***	***WSW 1/4 - 1/2 (0.364 mi.)***	***DJ664***	***1617***
Spill Number/Closed Date: 0209894 / 3/26/2003				
APARTMENT BLDG.- TTF	135 W. 17TH ST.	SSW 1/4 - 1/2 (0.370 mi.)	666	1621
Spill Number/Closed Date: 0501089 / 11/2/2005				

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Lower Elevation	Address	Direction / Distance	Map ID	Page
400 8TH AVE Spill Number/Closed Date: 9411284 / 11/23/1994	***400 8TH AVE***	***NNW 1/4 - 1/2 (0.388 mi.)***	***669***	***1627***
304 W 30TH ST Spill Number/Closed Date: 9110058 / 12/21/1991	304 W 30TH ST	NNW 1/4 - 1/2 (0.412 mi.)	675	1639
APARTMENT BUILDING Spill Number/Closed Date: 9608521 / 11/22/1996	347 WEST 29TH ST	NNW 1/4 - 1/2 (0.428 mi.)	680	1645
201 WEST 16TH ST CORP. Spill Number/Closed Date: 0008506 / 12/22/2005	201 WEST 16TH ST	SW 1/4 - 1/2 (0.435 mi.)	DP683	1649
SPILL NUMBER 9712649 Spill Number/Closed Date: 9712649 / 2/12/1998	331 PARK AVE SO	ESE 1/4 - 1/2 (0.438 mi.)	DQ684	1651
PRIVATE RES Spill Number/Closed Date: 0404859 / 8/5/2004	160 W 16TH ST	SW 1/4 - 1/2 (0.438 mi.)	DP685	1652
343-353 PARK AVENUE SOUTH Spill Number/Closed Date: 0300623 / 9/26/2006	343-353 PARK AVENUE SOU	ESE 1/4 - 1/2 (0.438 mi.)	686	1653
APRT BUILDING -TTF Spill Number/Closed Date: 0501515 / 10/25/2005	315-325 WEST 30TH STREE	NNW 1/4 - 1/2 (0.440 mi.)	687	1655
EASTMAN Spill Number/Closed Date: 0008945 / 9/20/2005	315 PARK AVE SOUTH	SE 1/4 - 1/2 (0.443 mi.)	688	1656
308 WEST 18TH ST Spill Number/Closed Date: 9511332 / 12/8/1995	308 WEST 18TH ST	WSW 1/4 - 1/2 (0.448 mi.)	DR690	1658
RBH MANAGEMENT TTF Spill Number/Closed Date: 1111100 / 3/1/2012	333 PARK AVE STH	ESE 1/4 - 1/2 (0.450 mi.)	DQ691	1660
310 WEST 18TH STREET Spill Number/Closed Date: 9612959 / 2/9/2000	310 WEST 18TH STREET	WSW 1/4 - 1/2 (0.450 mi.)	DR692	1661
WATTON STUDIO TTF Spill Number/Closed Date: 1301250 / Not Reported	333 PARK AVE STH	ESE 1/4 - 1/2 (0.452 mi.)	DQ693	1662
SPILL NUMBER 9800017 Spill Number/Closed Date: 9800017 / 4/1/1998	***240 WEST 16TH AT***	***SW 1/4 - 1/2 (0.459 mi.)***	***DT698***	***1668***
SPILL NUMBER 9811171 Spill Number/Closed Date: 9811171 / 12/7/1998	240 WEST 16TH ST	SW 1/4 - 1/2 (0.459 mi.)	DT699	1670
UPSCALE DEVELOPMENT Spill Number/Closed Date: 9612243 / 12/31/1997	349 WEST 30TH ST 1ST FL	NNW 1/4 - 1/2 (0.467 mi.)	701	1672
100 WEST 15TH ST. Spill Number/Closed Date: 9211685 / 7/31/1997	100 WEST 15TH ST.	SSW 1/4 - 1/2 (0.470 mi.)	702	1673
APRTMENT BUILDING Spill Number/Closed Date: 0508110 / 1/31/2006	161 WEST 15TH ST	SW 1/4 - 1/2 (0.471 mi.)	703	1675
COMMERCIAL BUILDING Spill Number/Closed Date: 0606977 / 1/24/2008	31 WEST 15TH STREET	SSW 1/4 - 1/2 (0.474 mi.)	704	1676
PS 33 Spill Number/Closed Date: 9614151 / 12/31/1997 Spill Number/Closed Date: 9713196 / 3/3/2003	***281 NINTH AVENUE***	***NW 1/4 - 1/2 (0.475 mi.)***	***705***	***1678***
400 WEST 25TH STREET Spill Number/Closed Date: 9310011 / 11/17/1993	***400 WEST 25TH STREET***	***WNW 1/4 - 1/2 (0.484 mi.)***	***708***	***1684***
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 8807152 / 3/5/2003	303 9TH AVENUE	NW 1/4 - 1/2 (0.492 mi.)	712	1693
TIME WARNER BUILDING Spill Number/Closed Date: 0405554 / 11/17/2005	***120 EAST 23RD ST***	***SE 1/4 - 1/2 (0.493 mi.)***	***DW713***	***1694***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
120 EAST 23RD ST	***120 EAST 23RD ST***	***SE 1/4 - 1/2 (0.493 mi.)***	***DW714***	***1697***
Spill Number/Closed Date: 0305304 / 9/29/2003				

State and tribal registered storage tank lists

-revised 5/25/15 ks

NY TANKS: This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

A review of the NY TANKS list, as provided by EDR, and dated 09/30/2014 has revealed that there is 1 NY TANKS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
127 W 25TH ST	***127 W 25TH ST***	***NNW 0 - 1/8 (0.044 mi.)***	***B31***	***101***

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, and dated 09/30/2014 has revealed that there are 19 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
750 SIXTH AVENUE	***736 SIXTH AVENUE (750 S***	***ESE 0 - 1/8 (0.062 mi.)***	***61***	***156***
109 WEST 27TH STREET	***109 WEST 27TH STREET***	***NE 0 - 1/8 (0.119 mi.)***	***U173***	***411***
THE CAROLINE	60 WEST 23RD STREET	S 0 - 1/8 (0.124 mi.)	AB195	445
40 WEST 25TH STREET ASSOCIATES	***40 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.159 mi.)***	***AI285***	***708***
MAXAM PROPERTIES LLC/ D2 PROPE	***135 WEST 28TH STREET***	***NNE 1/8 - 1/4 (0.176 mi.)***	***325***	***802***
FM RING ASSOCIATES, INC.	***45 W 27TH ST***	***ENE 1/8 - 1/4 (0.177 mi.)***	***AW327***	***810***
1140 ASSOCIATES	***1140 BROADWAY***	***E 1/8 - 1/4 (0.216 mi.)***	***BP491***	***1238***
1170 BROADWAY	***1170 BROADWAY***	***ENE 1/8 - 1/4 (0.217 mi.)***	***BZ499***	***1257***
1181 BROADWY	***1181 BROADWAY***	***ENE 1/8 - 1/4 (0.219 mi.)***	***BZ508***	***1271***
835 AVENUE OF THE AMERICAS, L.	839 6TH AVENUE	NE 1/8 - 1/4 (0.227 mi.)	CN540	1347

Lower Elevation	Address	Direction / Distance	Map ID	Page
CASPARON BELEGGINGEN N.V.	***147 WEST 25TH STREET***	***NW 0 - 1/8 (0.038 mi.)***	***B19***	***74***
148 W 23RD ST	148 W 23RD ST	WSW 0 - 1/8 (0.123 mi.)	AA190	436
ARADCO LTD.	207 W 25TH ST	NW 1/8 - 1/4 (0.134 mi.)	AC219	499
228-237 CORP.	***276 7TH AVENUE***	***NW 1/8 - 1/4 (0.137 mi.)***	***AD227***	***513***
307 7TH AVE	307 SEVENTH AVENUE	NNW 1/8 - 1/4 (0.182 mi.)	BA341	844
2324 REALTY CO	***225 W 23RD ST***	***W 1/8 - 1/4 (0.187 mi.)***	***AZ370***	***931***
ELBERT HOLDING CORP	***142 W 21ST ST***	***SW 1/8 - 1/4 (0.189 mi.)***	***BH383***	***964***
ELBERT HOLDING CORP	161 WEST 21ST ST	SW 1/8 - 1/4 (0.193 mi.)	BH404	1016
CHELSEA GARDENS OWNERS CORP.	255 WEST 23RD STREET	W 1/8 - 1/4 (0.233 mi.)	BW573	1414

X

EXECUTIVE SUMMARY

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 09/30/2014 has revealed that there are 226 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
130 W 25TH ST	***130 WEST 25TH STREET***	***N 0 - 1/8 (0.017 mi.)***	***A2***	***36***
133 WEST 25TH STREET	133 WEST 25TH STREET	N 0 - 1/8 (0.020 mi.)	A6	43
119 W 25TH ST	***119 W 25TH ST***	***ENE 0 - 1/8 (0.022 mi.)***	***A7***	***45***
TAMKAT BUILDING CORP.	138 WEST 25TH STREET	NNW 0 - 1/8 (0.026 mi.)	B8	48
108 WEST 25 STREET CONDOMINIUM	108-110 WEST 25TH STREE	E 0 - 1/8 (0.032 mi.)	D10	52
GAY MEN'S HEALTH CRISIS INC.	***119 W 24 ST***	***S 0 - 1/8 (0.035 mi.)***	***C15***	***63***
107 WEST 25TH STREET CORPORATI	***107 WEST 25TH STREET***	***E 0 - 1/8 (0.037 mi.)***	***D17***	***68***
ABRAHAM GLUZ	***753 AVE OF THE AMERICAS***	***E 0 - 1/8 (0.038 mi.)***	***D22***	***83***
111 WEST 24TH STREET ASSOCIATE	109-111 WEST 24TH STREE	SSE 0 - 1/8 (0.042 mi.)	E23	86
CHELSEA LANDMARK	55 WEST 25TH STREET	E 0 - 1/8 (0.045 mi.)	D33	104
49 WEST 24TH TENANTS CORP.	49 WEST 24TH STREET	SSE 0 - 1/8 (0.052 mi.)	E47	130
S&P/DM 26 DEVELOPMENT LLC	100 WEST 26TH STREET	ENE 0 - 1/8 (0.059 mi.)	H55	147
114 W 26 ST	***114 W 26 ST***	***NNE 0 - 1/8 (0.061 mi.)***	***I60***	***153***
122 WEST 26TH ST	***122 WEST 26TH ST***	***NE 0 - 1/8 (0.065 mi.)***	***I68***	***185***
127 WEST 26TH STREET	127 WEST 26TH STREET	NNE 0 - 1/8 (0.066 mi.)	I74	196
135 W W 26TH ST	***135 WEST 26TH STREET***	***NNE 0 - 1/8 (0.068 mi.)***	***I79***	***205***
134 W 26TH ST	***134 W 26TH ST***	***N 0 - 1/8 (0.069 mi.)***	***K81***	***209***
RANDALL COMPANY	***110 WEST 26TH STREET***	***NE 0 - 1/8 (0.069 mi.)***	***H82***	***212***
142 WEST 26TH STREET	142 WEST 26TH STREET	N 0 - 1/8 (0.070 mi.)	I84	216
109 WEST 26 OWNERS CORP.	109 WEST 26TH STREET	NE 0 - 1/8 (0.072 mi.)	H87	221
150 WEST 26 STREET	150 WEST 26TH STREET	N 0 - 1/8 (0.077 mi.)	K92	229
151 WEST 26TH ST.	***151 WEST 26TH STREET***	***N 0 - 1/8 (0.078 mi.)***	***K96***	***235***
777 SIXTH AVENUE	777 SIXTH AVENUE	ENE 0 - 1/8 (0.085 mi.)	M101	245
THE VANGUARD CHELSEA	77 WEST 24TH STREET	SE 0 - 1/8 (0.095 mi.)	P116	277
41-51 W 25TH ST	***41-51 W 25TH ST***	***E 0 - 1/8 (0.095 mi.)***	***Q117***	***279***
715-723 SIXTH AVENUE OWNERS CO	101 WEST 23RD STREET	S 0 - 1/8 (0.097 mi.)	L124	291
AMBASSADOR ARTS INCORPORATED	***122 WEST 27TH STREET***	***NNE 0 - 1/8 (0.106 mi.)***	***S137***	***310***
118 W 27 ST	118 WEST 27TH STREET	NE 0 - 1/8 (0.110 mi.)	U145	338
THE CAPITOL AT CHELSEA	55 WEST 26TH STREET	ENE 0 - 1/8 (0.111 mi.)	V147	342
114 WEST 27 STREET	***114 WEST 27 STREET***	***NE 0 - 1/8 (0.114 mi.)***	***U151***	***347***
WEST 27TH STREET REALTY, INC.	***129 W 27TH ST***	***NNE 0 - 1/8 (0.115 mi.)***	***U153***	***351***
SIXTH AVENUE WEST ASSOCIATES	121 WEST 27TH STREET	NNE 0 - 1/8 (0.115 mi.)	U158	361
115 W. 27TH ST	115 WEST 27TH STREET	NE 0 - 1/8 (0.116 mi.)	U166	391
104 WEST 27TH ST	104 WEST 27TH ST	NE 0 - 1/8 (0.118 mi.)	U168	396
135 WEST 27TH STREET	135 WEST 27TH STREET	NNE 0 - 1/8 (0.118 mi.)	S169	401
WEST 27TH LOFT CORP	***143 WEST 27TH ST***	***NNE 0 - 1/8 (0.118 mi.)***	***S171***	***404***
145 W 27	***145 W 27TH ST***	***NNE 0 - 1/8 (0.119 mi.)***	***S172***	***408***
144 WEST 27TH ST	144 WEST 27TH ST	NNE 0 - 1/8 (0.120 mi.)	S174	414
153 WEST 27TH STREET	153 WEST 27TH STREET	N 0 - 1/8 (0.123 mi.)	S188	431
THE CAROLINE	***60 WEST 23RD STREET***	***S 0 - 1/8 (0.124 mi.)***	***AB196***	***447***
WEST END ESTATES LLC	154 WEST 27TH STREET	N 1/8 - 1/4 (0.125 mi.)	S201	454
MASONIC HALL	***71 WEST 23RD STREET***	***SSE 1/8 - 1/4 (0.133 mi.)***	***Z216***	***487***
CHELSEA	800 SIXTH AVENUE	NE 1/8 - 1/4 (0.138 mi.)	Y229	524
48 WEST 25TH ST	48 W 25TH ST	ESE 1/8 - 1/4 (0.144 mi.)	AI250	587
28 WEST 27TH STREET	***28 WEST 27TH STREET***	***ENE 1/8 - 1/4 (0.146 mi.)***	***AJ262***	***627***
KIAMIE PRINCESS MARION REALTY	***37 W 26TH ST***	***E 1/8 - 1/4 (0.147 mi.)***	***AK267***	***645***
804-810 6TH AVE.	***804-810 6TH AVE.***	***NE 1/8 - 1/4 (0.147 mi.)***	***AL268***	***648***
61-65 WEST 23RD STREET	61-65 WEST 23RD STREET	SSE 1/8 - 1/4 (0.148 mi.)	AH270	655
4324 COMPANY	***43 WEST 24TH ST***	***SE 1/8 - 1/4 (0.153 mi.)***	***AN279***	***690***
40 WEST 24TH STREET CORP.	***40 WEST 24TH STREET***	***SE 1/8 - 1/4 (0.157 mi.)***	***AN282***	***703***
COMFORT INN	18 WEST 25TH ST	ESE 1/8 - 1/4 (0.161 mi.)	AI287	723

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OHDAY REALTY CORP	***120 W 28TH ST***	***NNE 1/8 - 1/4 (0.162 mi.)***	***AP288***	***725***
TWENTY THIRD STREET ASSOCIATES	53 WEST 23RD STREET	SSE 1/8 - 1/4 (0.162 mi.)	AQ290	733
28TH STREET PROPERTIES LLC	136 WEST 28 STREET	NNE 1/8 - 1/4 (0.163 mi.)	AP293	738
38 WEST 26TH ST	38 WEST 26TH STREET	E 1/8 - 1/4 (0.163 mi.)	AK294	740
FLOWER 28, LLC	139 WEST 28TH STREET	NNE 1/8 - 1/4 (0.165 mi.)	AP299	753
36 WEST 25TH STREET	36 WEST 25TH STREET	ESE 1/8 - 1/4 (0.166 mi.)	AI301	756
146-48 W 28 ST	146-48 WEST 28TH STREET	NNE 1/8 - 1/4 (0.166 mi.)	AP302	758
150 W 28TH ST	***150 W 28TH ST***	***N 1/8 - 1/4 (0.166 mi.)***	***AR303***	***761***
145 WEST 28TH STREET	145 WEST 28TH STREET	NNE 1/8 - 1/4 (0.167 mi.)	AP304	765
40 WEST 27TH ST	40 WEST 27TH ST	ENE 1/8 - 1/4 (0.171 mi.)	AW315	784
LOFT REALTY CO	***49 W 27 ST***	***ENE 1/8 - 1/4 (0.172 mi.)***	***AW317***	***786***
30 W 26 ST	30 WEST 26TH STREET	E 1/8 - 1/4 (0.176 mi.)	AY321	796
MAXAM PROPERTIES LLC/ D2 PROPE	***135 WEST 28TH STREET***	***NNE 1/8 - 1/4 (0.176 mi.)***	***325***	***802***
25 W 26 STREET INC.	25 WEST 26TH STREET	E 1/8 - 1/4 (0.178 mi.)	AY329	813
LADIE'S MILE, LLC	43 WEST 23RD STREET	SSE 1/8 - 1/4 (0.179 mi.)	AQ331	816
28 WEST 26TH STREET	28 WEST 26TH STREET	E 1/8 - 1/4 (0.180 mi.)	AY336	834
28 WEST 25TH STREET ASSOCITES,	***28 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.180 mi.)***	***BB338***	***837***
23RD STREET PROPERTIES LLC	28-40 WEST 23RD STREET	SSE 1/8 - 1/4 (0.181 mi.)	340	842
40 WEST 22ND ST TENANTS CO OP	***40 WEST 22ND ST***	***S 1/8 - 1/4 (0.182 mi.)***	***BD347***	***873***
GROFF STUDIOS CORP	151 W 28TH ST	N 1/8 - 1/4 (0.183 mi.)	AR351	879
27 WEST 24TH STREET	27 WEST 24TH STREET	SE 1/8 - 1/4 (0.184 mi.)	BE356	893
MIDWAY HILL LAUNDRY CLEANERS	27 W 24 ST	SE 1/8 - 1/4 (0.184 mi.)	BE357	895
SENTON HOTEL	***39-41 WEST 27TH ST***	***E 1/8 - 1/4 (0.184 mi.)***	***AW358***	***897***
26 WEST 27TH ST LLC	26 WEST 27TH ST	E 1/8 - 1/4 (0.186 mi.)	AW364	923
22 WEST 26TH STREET APT. CORP.	***22 WEST 26TH STREET***	***E 1/8 - 1/4 (0.186 mi.)***	***AY366***	***926***
141 W 28TH ST	***141 WEST 28TH ST***	***N 1/8 - 1/4 (0.187 mi.)***	***AR373***	***940***
22-24 WEST 27TH STREET	22-24 WEST 27TH STREET	E 1/8 - 1/4 (0.190 mi.)	AW385	974
12 W 27TH ST	***12 W 27TH ST***	***E 1/8 - 1/4 (0.190 mi.)***	***BI386***	***976***
THE TOWNSEND BUILDING	1123 BROADWAY	ESE 1/8 - 1/4 (0.191 mi.)	BB395	990
MESA REALTY ASSOCIATES, LLC	15 WEST 26TH STREET	E 1/8 - 1/4 (0.192 mi.)	AY398	999
56 WEST 22ND ST	***56 WEST 22ND ST***	***SSE 1/8 - 1/4 (0.192 mi.)***	***BD399***	***1001***
FM RING ASSOCIATES INC.	***19 WEST 24TH ST***	***SE 1/8 - 1/4 (0.192 mi.)***	***BE400***	***1004***
54 WEST 22ND OWNER, LLC.	54 WEST 22ND ST	SSE 1/8 - 1/4 (0.192 mi.)	BD401	1008
METROPOLITAN DESIGN INC	***18 W 27 ST***	***E 1/8 - 1/4 (0.194 mi.)***	***BI408***	***1027***
E S LOWE BUILDING	31 WEST 27TH STREET	E 1/8 - 1/4 (0.196 mi.)	BI410	1046
HOUSTON ASSOC	815 SIXTH AVE	NE 1/8 - 1/4 (0.197 mi.)	BL413	1051
ST. JAMES BUILDING	1133 BROADWAY	ESE 1/8 - 1/4 (0.200 mi.)	BO417	1058
44 WEST 28 PENN PLAZA PROPERTI	44 WEST 28TH STREET	ENE 1/8 - 1/4 (0.202 mi.)	BQ424	1066
W 29 ST OWNERS CORP	116 W 29TH ST	NNE 1/8 - 1/4 (0.203 mi.)	BS431	1087
15 WEST 34TH STREET CORP	15 WEST 24TH ST	SE 1/8 - 1/4 (0.204 mi.)	BE434	1092
146 WEST 29TH STREET	146 WEST 29TH STREET	NNE 1/8 - 1/4 (0.205 mi.)	BT439	1098
KEW MANAGEMENT CORP	***11 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.205 mi.)***	***BU441***	***1101***
1165 BROADWAY BLDG.	1165 BROADWAY	E 1/8 - 1/4 (0.207 mi.)	BI448	1111
PAUL PROPERTIES INC	***130 W 29TH ST***	***NNE 1/8 - 1/4 (0.211 mi.)***	***BS457***	***1162***
134 WEST 29TH STREET	134 WEST 29TH STREET	NNE 1/8 - 1/4 (0.213 mi.)	BS463	1171
MAY PLAZA ENTERPRISE	1160 BROADWAY	E 1/8 - 1/4 (0.213 mi.)	BZ465	1180
37 WEST 28 STREET	37 WEST 28TH STREET	ENE 1/8 - 1/4 (0.213 mi.)	BQ466	1182
MFM PROPERTIES LLC	135 WEST 29TH STREET	NNE 1/8 - 1/4 (0.213 mi.)	BS468	1189
104 WEST 29TH ST. REALTY CO.	104 WEST 29TH STREET	NE 1/8 - 1/4 (0.214 mi.)	BL474	1214
ELEVEN FIFTEEN ASSOCIATES	1115 BROADWAY	ESE 1/8 - 1/4 (0.214 mi.)	BU477	1217
143 W 29TH	143 WEST 29TH STREET	NNE 1/8 - 1/4 (0.215 mi.)	CC479	1221
129 W 29 ST	129 WEST 29TH STREET	NNE 1/8 - 1/4 (0.215 mi.)	CC481	1223
115 WEST 29TH ST OWNERS CORP	115 WEST 29TH STREET	NE 1/8 - 1/4 (0.216 mi.)	CA492	1242
3-7 W 22ND ST	***3-7 W 22ND ST***	***SSE 1/8 - 1/4 (0.216 mi.)***	***CD495***	***1249***
158-160 WEST 29TH STREET	158-160 WEST 29TH STREE	NNE 1/8 - 1/4 (0.218 mi.)	BT507	1269
APT BUILDING	***208 5TH AVENUE***	***ESE 1/8 - 1/4 (0.221 mi.)***	***CG513***	***1281***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
54 WEST 21 STREET	***54 WEST 21 STREET***	***S 1/8 - 1/4 (0.222 mi.)***	***CH517***	***1288***
THE TOY CENTER NORTH	***1107 BROADWAY***	***ESE 1/8 - 1/4 (0.222 mi.)***	***CB525***	***1317***
BOYESS REALTY INC	29 WEST 21 STREET	S 1/8 - 1/4 (0.225 mi.)	CH533	1333
F M. RING ASSOCIATES, INC.	***15 W 27 ST***	***E 1/8 - 1/4 (0.225 mi.)***	***CL536***	***1338***
THE TOY CENTER SOUTH	***200 FIFTH AVENUE***	***SE 1/8 - 1/4 (0.230 mi.)***	***CB546***	***1358***
1182-1184 BROADWAY	1182-1184 BROADWAY	ENE 1/8 - 1/4 (0.230 mi.)	CJ547	1363
186 FIFTH LLC.	186 FIFTH AVENUE	SE 1/8 - 1/4 (0.231 mi.)	BX552	1370
230 5TH AVE BUILDING	***230 5TH AVE***	***E 1/8 - 1/4 (0.231 mi.)***	***CL557***	***1378***
1186 BROADWAY	***1186 BROADWAY***	***ENE 1/8 - 1/4 (0.233 mi.)***	***CJ567***	***1394***
842 ENTERPRISE INC	842/844 SIXTH AVENUE	NE 1/8 - 1/4 (0.233 mi.)	CN568	1402
30 WEST 21ST ST	***30 W 21ST ST***	***S 1/8 - 1/4 (0.236 mi.)***	***CH581***	***1437***
12 WEST 23RD STREET	12 WEST 23RD ST.	SSE 1/8 - 1/4 (0.236 mi.)	CS582	1441
45 WEST 21ST STREET	***45 WEST 21ST STREET***	***S 1/8 - 1/4 (0.239 mi.)***	***CU591***	***1471***
39 W 29TH ST	***39 W 29TH ST***	***NE 1/8 - 1/4 (0.240 mi.)***	***CQ595***	***1482***
20 WEST 22ND STREET	20 WEST 22ND STREET	SSE 1/8 - 1/4 (0.243 mi.)	602	1493
KEW MANAGEMENT CORP	***40 WEST 29TH STREET***	***ENE 1/8 - 1/4 (0.244 mi.)***	***CY605***	***1498***
114-120 WEST 30TH STREET	114-120 WEST 30TH STREE	NNE 1/8 - 1/4 (0.245 mi.)	DA609	1511
GAM REALTY	18 WEST 21ST STREET	S 1/8 - 1/4 (0.246 mi.)	CU611	1514
FM RING ASSOCIATES, INC.	212 FIFTH AVENUE	ESE 1/8 - 1/4 (0.249 mi.)	DB621	1530

Lower Elevation	Address	Direction / Distance	Map ID	Page
127 WEST 24TH ST.	127 WEST 24TH ST.	SSW 0 - 1/8 (0.032 mi.)	C9	50
BRICK FARMS COOPERATIVE LTD	***131 W 24TH ST***	***SW 0 - 1/8 (0.033 mi.)***	***C11***	***54***
133 W 24TH ST CORP	133 WEST 24TH STREET	SW 0 - 1/8 (0.034 mi.)	C12	58
ALLOFUS TENANTS, INC.	130 WEST 24TH STREET	SW 0 - 1/8 (0.035 mi.)	C13	60
CHELSEA DESIGN CENTER	146-150 WEST 25TH STREE	NW 0 - 1/8 (0.037 mi.)	B18	72
KENT REALTY CORP	***134-136 W 25TH ST***	***NW 0 - 1/8 (0.038 mi.)***	***B20***	***77***
136 LOFT CORP	136 WEST 24TH STREET	WSW 0 - 1/8 (0.038 mi.)	C21	80
151 WEST 25TH STREET	151 WEST 25TH STREET	NW 0 - 1/8 (0.044 mi.)	B24	88
FM RING ASSOC., INC.	***142 W 24TH ST***	***WSW 0 - 1/8 (0.044 mi.)***	***F30***	***96***
152 WEST 25TH STREET	152 WEST 25TH STREET	NW 0 - 1/8 (0.046 mi.)	B35	107
WEST GRAMERCY ASSOCIATES LLC	147 WEST 24TH STREET	WSW 0 - 1/8 (0.046 mi.)	F38	113
SUN K. MIN	149 W 24TH ST	WSW 0 - 1/8 (0.049 mi.)	F40	115
148 W 24TH ST TENANTS CORP	148 W 24TH ST	WSW 0 - 1/8 (0.049 mi.)	F42	125
159 WEST 25TH STREET LLC	159 WEST 25TH STREET	NW 0 - 1/8 (0.056 mi.)	G52	140
119 W. 23 ST. ACQUISITION, LLC	119 WEST 23RD STREET	SSW 0 - 1/8 (0.064 mi.)	J65	180
NELCO SEWING MACHINE SALES	***164 WEST 25TH ST***	***NW 0 - 1/8 (0.065 mi.)***	***G70***	***190***
115 EAST 23RD ST	***115 EAST 23RD ST***	***SSW 0 - 1/8 (0.076 mi.)***	***J90***	***224***
124 WEST 23RD STREET	124 WEST 23RD STREET	SSW 0 - 1/8 (0.084 mi.)	J99	241
136/140 W 23RD STREET	136/140 WEST 23RD STREE	SW 0 - 1/8 (0.085 mi.)	J100	243
MAJESTIC RAYON CORP/CUDGE REAL	116 WEST 23RD STREET	SSW 0 - 1/8 (0.087 mi.)	109	256
165 W 26TH ST ASSOC	***165 W 26TH ST***	***NNW 0 - 1/8 (0.092 mi.)***	***O112***	***269***
F M RING ASSOC, INC	***155 W 23 ST***	***WSW 0 - 1/8 (0.092 mi.)***	***N113***	***273***
177 W 26TH REALTY CORP	***177 WEST 26TH ST***	***NNW 0 - 1/8 (0.106 mi.)***	***O139***	***317***
THE CHELSEA MERCANTILE	252 SEVENTH AVENUE	WNW 0 - 1/8 (0.117 mi.)	W167	393
148 W 23RD ST	***148 W 23RD ST***	***WSW 0 - 1/8 (0.123 mi.)***	***AA189***	***433***
F M RING ASSOCIATES,INC	245- 7TH AVE	WNW 1/8 - 1/4 (0.126 mi.)	W202	456
275 7TH AVENUE	275 SEVENTH AVENUE	NW 1/8 - 1/4 (0.129 mi.)	AC210	472
238-240 7TH AVENUE CORP.	200 WEST 24TH STREET	WNW 1/8 - 1/4 (0.133 mi.)	W217	493
158 WEST 27TH ST	***158 WEST 27TH ST***	***NNW 1/8 - 1/4 (0.134 mi.)***	***218***	***495***
ARRADCO LTD.	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.134 mi.)***	***AC220***	***501***
TOP OF THE LOFTS, INC.	129 WEST 22ND STREET	SSW 1/8 - 1/4 (0.136 mi.)	AE225	510
126 WEST 22ND STREET CONDOMINI	126 WEST 22ND STREET	SSW 1/8 - 1/4 (0.138 mi.)	AE231	528
118 W 22ND ST	118 WEST 22ND STREET	SSW 1/8 - 1/4 (0.139 mi.)	AE233	531
FLORENCIA PROPERTIES N.V. INC.	145 W. 22ND ST.	SW 1/8 - 1/4 (0.140 mi.)	AF235	535

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
HEXAGON ASSOCIATES	***140-144 WEST 22ND STREE***	***SW 1/8 - 1/4 (0.140 mi.)***	***AE240***	***563***
147 WEST 22ND ST. CORP.	147 WEST 22ND STREET	SW 1/8 - 1/4 (0.140 mi.)	AF243	570
150 WEST 22ND ST	***150 WEST 22ND ST***	***SW 1/8 - 1/4 (0.144 mi.)***	***AF252***	***600***
ST FRANCIS RESIDENCE II	***155 WEST 22ND ST***	***SW 1/8 - 1/4 (0.144 mi.)***	***AF253***	***604***
VAN ALEN INSTITUTE	28-30 WEST 22ND STREET	SSW 1/8 - 1/4 (0.144 mi.)	AG256	609
201 W 26 L.L.C./200-220 WEST 2	200 WEST 26TH STREET	NW 1/8 - 1/4 (0.145 mi.)	AD259	614
291 7TH AVENUE CONDOMINIUM	291 SEVENTH AVENUE	NNW 1/8 - 1/4 (0.153 mi.)	AO276	687
166 W. 22 ST. OWNERS CORP.	166 WEST 22ND STREET	SW 1/8 - 1/4 (0.153 mi.)	281	701
MUHLENBERG BRANCH LIBRARY	209 WEST 23RD STREET	W 1/8 - 1/4 (0.164 mi.)	AM295	742
JSB REALTY CO	***208 WEST 23RD ST***	***W 1/8 - 1/4 (0.165 mi.)***	***AM297***	***747***
225-25 HOUSING CORP.	225 WEST 25TH STREET	NW 1/8 - 1/4 (0.169 mi.)	AT311	773
24TH STREET HOLDING COMPANY	***228-232 WEST 24 ST (230***	***WNW 1/8 - 1/4 (0.175 mi.)***	***AV319***	***790***
CHELSEA TELEVISION STUDIOS/ALL	221 WEST 26TH STREET	NW 1/8 - 1/4 (0.176 mi.)	AU320	794
HOTEL CHELSEA,NEW YORK	***216 WEST 23RD STREET***	***W 1/8 - 1/4 (0.176 mi.)***	***AZ324***	***799***
CHELSEA 25 LLC	231 WEST 25TH ST	NW 1/8 - 1/4 (0.179 mi.)	AT332	818
305 7TH AVE	305 SEVENTH AVENUE	NNW 1/8 - 1/4 (0.179 mi.)	BA334	821
226 WEST 26TH ST LLC	226 WEST 26TH STREET	NW 1/8 - 1/4 (0.184 mi.)	AU354	888
SCHOOL OF VISUALS ARTS	133-141 WEST 21 STREET	SSW 1/8 - 1/4 (0.185 mi.)	BC360	903
675 OWNERSHIP, LLC	***675 AVENUE OF THE AMERI***	***SSW 1/8 - 1/4 (0.185 mi.)***	***BF361***	***905***
21 CHELSEA LLC	120 WEST 21ST STREET	SSW 1/8 - 1/4 (0.186 mi.)	BC363	920
2324 REALTY CO	***225 W 23RD ST***	***W 1/8 - 1/4 (0.187 mi.)***	***AZ370***	***931***
SCHOOL OF VISUAL ARTS	132-134 WEST 21ST STREE	SSW 1/8 - 1/4 (0.187 mi.)	BC375	945
SCHOOL OF VISUAL ARTS	136 WEST 21ST STREET	SW 1/8 - 1/4 (0.188 mi.)	BC378	951
WEST GRAMERCY ASSOCIATES LLC	53-55 WEST 21ST STREET	SSW 1/8 - 1/4 (0.190 mi.)	BF384	972
155 WEST 21ST STREET	155 WEST 21ST STREET	SW 1/8 - 1/4 (0.191 mi.)	BH392	985
150 WEST 21ST, LLC	150 WEST 21ST ST	SW 1/8 - 1/4 (0.191 mi.)	BH393	987
48 WEST 21ST ST	48 WEST 21ST ST	SSW 1/8 - 1/4 (0.192 mi.)	BF396	992
203 7TH AVENUE	***203 7TH AVENUE***	***WSW 1/8 - 1/4 (0.193 mi.)***	***BJ402***	***1009***
238 WEST 24TH STREET	238 WEST 24 TH ST.	WNW 1/8 - 1/4 (0.194 mi.)	AV407	1025
NORTHSIDE REALTY CORP.	162 WEST 21ST STREET	SW 1/8 - 1/4 (0.196 mi.)	412	1048
315 SEVENTH AVE CONDOMINIUM	315 SEVENTH AVENUE	N 1/8 - 1/4 (0.199 mi.)	BN416	1056
212 W 22 ST BLDG	***212 W 22 ST***	***WSW 1/8 - 1/4 (0.203 mi.)***	***BR429***	***1083***
23RD ST LOFT CORPORATION	241 WEST 23RD ST	W 1/8 - 1/4 (0.211 mi.)	BW455	1160
HAG REALTY LLC	250 WEST 26TH ST.	NW 1/8 - 1/4 (0.211 mi.)	BK458	1165
CHELSEA GARDENS	***250 WEST 24TH ST***	***WNW 1/8 - 1/4 (0.213 mi.)***	***BY464***	***1173***
CHELSEA HOTEL	222 WEST 23RD STREET	W 1/8 - 1/4 (0.215 mi.)	BW487	1232
THE JEANNE D'ARC HOME	***253 WEST 24TH ST***	***WNW 1/8 - 1/4 (0.216 mi.)***	***BY490***	***1235***
CHELSEA PARTNERS	251 WEST 26TH STREET	NW 1/8 - 1/4 (0.216 mi.)	BK493	1245
CHELSEA PARTNERS I, LLC	247-249 WEST 26 ST.	NW 1/8 - 1/4 (0.216 mi.)	BK494	1247
191 SEVENTH AVENUE CORP	***191 SEVENTH AVENUE***	***WSW 1/8 - 1/4 (0.217 mi.)***	***CE500***	***1260***
WEST 25TH STREET OWNERS, INC.	254 WEST 25TH STREET #6	WNW 1/8 - 1/4 (0.217 mi.)	BV506	1267
236 WEST 27TH STREET	***236 WEST 27TH STREET***	***NNW 1/8 - 1/4 (0.219 mi.)***	***CF509***	***1275***
218 WEST 22ND ST	***218 W 22ND ST***	***WSW 1/8 - 1/4 (0.222 mi.)***	***BR520***	***1295***
330 7TH AVENUE	330 7TH AVENUE	N 1/8 - 1/4 (0.224 mi.)	CI527	1322
OFFICE BUILDING	655 SIXTH AVENUE	SSW 1/8 - 1/4 (0.224 mi.)	CK532	1330
PIERMONT	201 WEST 21ST STREET	WSW 1/8 - 1/4 (0.225 mi.)	CE535	1336
233-53 WEST 22ND ST	233-53 WEST 22ND ST	W 1/8 - 1/4 (0.226 mi.)	CM539	1345
GAY MENS HEALTH CRISIS INC	***129-133 WEST 20TH ST***	***SSW 1/8 - 1/4 (0.231 mi.)***	***CO549***	***1366***
CAPITOL BUILDING LOFT CORP	***236 W 26TH ST***	***NW 1/8 - 1/4 (0.231 mi.)***	***CP555***	***1374***
333 SEVENTH AVENUE	333 7TH AVE.	N 1/8 - 1/4 (0.232 mi.)	CI562	1387
A & G REAL ESTATE	135-141 WEST 20TH STREE	SSW 1/8 - 1/4 (0.232 mi.)	CO563	1389
255 WEST 23RD STREET	***255 WEST 23RD STREET***	***W 1/8 - 1/4 (0.233 mi.)***	***BW571***	***1407***
264-266 W 25 ST	264 WEST 25TH STREET	WNW 1/8 - 1/4 (0.234 mi.)	BV574	1416
ABE HARUVI C/O EJAM HOLDING CO	***245 WEST 25TH ST***	***NW 1/8 - 1/4 (0.234 mi.)***	***CR577***	***1420***
211 WEST 21ST STREET	***211 WEST 21ST STREET***	***WSW 1/8 - 1/4 (0.235 mi.)***	***CE580***	***1434***
210 EQUITIES CORPORATION	***210 WEST 21 STREET***	***WSW 1/8 - 1/4 (0.236 mi.)***	***CE583***	***1443***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHELSEA WARREN CORP	165 WEST 20TH STREET	SW 1/8 - 1/4 (0.238 mi.)	CT587	1464
CHELSEA-WARREN CORP	155-165 WEST 20TH STREE	SW 1/8 - 1/4 (0.238 mi.)	CT588	1466
27TH STREET APARTMENTS CORP	***250 W 27 ST***	***NNW 1/8 - 1/4 (0.239 mi.)***	***CF590***	***1468***
S.N.Y. INC.	229 WEST 28TH STREET	NNW 1/8 - 1/4 (0.239 mi.)	CV593	1478
WEST 21ST STREET ASSOCIATES, L	214-216 WEST 21ST STREE	WSW 1/8 - 1/4 (0.240 mi.)	CW597	1486
217 W 21ST ST LP	217 WEST 21ST STREET	WSW 1/8 - 1/4 (0.241 mi.)	CW598	1488
244 WEST 22ND STREET	244 WEST 22ND ST	W 1/8 - 1/4 (0.243 mi.)	CM603	1495
218-220 WEST 21ST ST	***218-220 WEST 21ST ST***	***WSW 1/8 - 1/4 (0.245 mi.)***	***CW608***	***1507***
246 WEST 22ND ST	***246 WEST 22ND ST***	***W 1/8 - 1/4 (0.246 mi.)***	***CM612***	***1516***
223 WEST 21ST ST	***223 WEST 21ST ST***	***WSW 1/8 - 1/4 (0.247 mi.)***	***CW617***	***1525***

State and tribal voluntary cleanup sites

NY VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the NY VCP list, as provided by EDR, and dated 07/16/2014 has revealed that there is 1 NY VCP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CE - E. 21ST ST. WORKS	EAST 20TH - EAST 22ND S	SSE 1/4 - 1/2 (0.491 mi.)	DV710	1689

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

NY HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 21 NY HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
127 W 25TH ST	***127 W 25TH ST***	***NNW 0 - 1/8 (0.044 mi.)***	***B31***	***101***
750 SIXTH AVENUE	***736 SIXTH AVENUE (750 S***	***ESE 0 - 1/8 (0.062 mi.)***	***61***	***156***
109 WEST 27TH STREET	***109 WEST 27TH STREET***	***NE 0 - 1/8 (0.119 mi.)***	***U173***	***411***
THE CAROLINE	***60 WEST 23RD STREET***	***S 0 - 1/8 (0.124 mi.)***	***AB196***	***447***
61 WEST 23RD STREET	61 WEST 23RD STREET	SSE 1/8 - 1/4 (0.148 mi.)	AH269	653
40 WEST 25TH STREET ASSOCIATES	***40 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.159 mi.)***	***AI285***	***708***
FM RING ASSOCIATES, INC.	***45 W 27TH ST***	***ENE 1/8 - 1/4 (0.177 mi.)***	***AW327***	***810***
44 W 28TH ST	44 W 28TH ST	ENE 1/8 - 1/4 (0.202 mi.)	BQ423	1065
1140 ASSOCIATES	***1140 BROADWAY***	***E 1/8 - 1/4 (0.216 mi.)***	***BP491***	***1238***
1170 BROADWAY	***1170 BROADWAY***	***ENE 1/8 - 1/4 (0.217 mi.)***	***BZ499***	***1257***
1181 BROADWY	***1181 BROADWAY***	***ENE 1/8 - 1/4 (0.219 mi.)***	***BZ508***	***1271***
1186 BROADWAY	***1186 BROADWAY***	***ENE 1/8 - 1/4 (0.233 mi.)***	***CJ567***	***1394***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CASPARON BELEGGINGEN N.V.	***147 WEST 25TH STREET***	***NW 0 - 1/8 (0.038 mi.)***	***B19***	***74***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
152 WEST 25TH STREET	152 WEST 25TH STREET	NW 0 - 1/8 (0.046 mi.)	B36	109
148 W 23RD ST	***148 W 23RD ST***	***WSW 0 - 1/8 (0.123 mi.)***	***AA189***	***433***
ARRADCO LTD.	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.134 mi.)***	***AC220***	***501***
228-237 CORP.	***276 7TH AVENUE***	***NW 1/8 - 1/4 (0.137 mi.)***	***AD227***	***513***
CHELSEA REALTY ASSOC	231 WEST 25TH ST	NW 1/8 - 1/4 (0.179 mi.)	AT333	820
307 7TH AVE	307 7TH AVE	NNW 1/8 - 1/4 (0.182 mi.)	BA343	849
2324 REALTY CO	***225 W 23RD ST***	***W 1/8 - 1/4 (0.187 mi.)***	***AZ370***	***931***
255 WEST 23RD STREET	***255 WEST 23RD STREET***	***W 1/8 - 1/4 (0.233 mi.)***	***BW571***	***1407***

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 05/19/2014 has revealed that there are 42 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VAULT #8296 Spill Number/Closed Date: 0101259 / 6/19/2001	133 WEST 25TH ST	N 0 - 1/8 (0.018 mi.)	A3	39
119 W 24TH ST/MANHATTAN Spill Number/Closed Date: 8800769 / 12/29/1988	119 WEST 24TH ST	S 0 - 1/8 (0.035 mi.)	C14	62
CONSTRCUTION SITE Spill Number/Closed Date: 0105588 / 9/8/2003	110 WEST 24TH ST	SSE 0 - 1/8 (0.044 mi.)	E25	90
101 W. 25TH ST Spill Number/Closed Date: 9410732 / 11/11/1994	101 W. 25TH ST	E 0 - 1/8 (0.050 mi.)	D43	127
EXXONMOBIL Spill Number/Closed Date: 8701407 / 7/21/2011	100 WEST 24TH ST	SSE 0 - 1/8 (0.053 mi.)	E48	132
CON ED MANHOLE #V6874 Spill Number/Closed Date: 0400913 / 7/19/2004	WEST 24TH/6TH AVE	SSE 0 - 1/8 (0.056 mi.)	E51	138
CONSTRUCTION SITE Spill Number/Closed Date: 0104356 / 3/29/2004	100 WEST 26TH ST	ENE 0 - 1/8 (0.059 mi.)	H56	149
114 WEST 26TH STREET Spill Number/Closed Date: 9307525 / 9/21/1993	114 WEST 26TH STREET	NNE 0 - 1/8 (0.061 mi.)	I59	152
GARY TANNENBAUM, RES. Spill Number/Closed Date: 9411717 / 12/2/1994	135 WEST 26TH STREET	NNE 0 - 1/8 (0.066 mi.)	I75	198
SPILL NUMBER 9811853 Spill Number/Closed Date: 9811853 / 11/4/2003	121 W 26TH ST	NE 0 - 1/8 (0.066 mi.)	I78	202
COMMERCIAL BUILDING Spill Number/Closed Date: 1311371 / 3/10/2014	100 WEST 26 ST	ENE 0 - 1/8 (0.077 mi.)	H94	232
VAULT #0768 Spill Number/Closed Date: 9911248 / 8/18/2009	IFO 100 EAST 24TH ST	S 0 - 1/8 (0.077 mi.)	L95	234
MANHOLE 4908 Spill Number/Closed Date: 0003933 / 4/9/2004	WEST 26 TH ST & 6TH AV	ENE 0 - 1/8 (0.081 mi.)	H98	240
CHELSEA HOUSES -NYCHA Spill Number/Closed Date: 9812239 / 3/25/2003	***431 WEST 25TH ST***	***E 0 - 1/8 (0.095 mi.)***	***Q118***	***283***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 0301501 Spill Number/Closed Date: 0301501 / 5/12/2003	77 WEST 24TH ST	SE 0 - 1/8 (0.096 mi.)	P119	286
PVT DWELLING Spill Number/Closed Date: 0812475 / 2/17/2009	777 AVE OF THE AMERICAS	NE 0 - 1/8 (0.096 mi.)	M120	287
PRIVATE RESIDENT Spill Number/Closed Date: 0812797 / 4/24/2009	777 6TH AVE	NE 0 - 1/8 (0.096 mi.)	M121	288
NYCTRANSIT TRUCK Spill Number/Closed Date: 0702181 / 5/24/2007	23RD & 6TH AVE	S 0 - 1/8 (0.097 mi.)	L123	290
23RD ST/6TH & 7TH AVE Spill Number/Closed Date: 9009912 / 12/12/1990	23RD ST/6TH & 7TH AVE	S 0 - 1/8 (0.097 mi.)	L127	298
SPILL NUMBER 0201374 Spill Number/Closed Date: 0104828 / 7/29/2002 Spill Number/Closed Date: 0201374 / 8/5/2002	23RD ST/6TH AVE	S 0 - 1/8 (0.097 mi.)	L128	299
SPILL NUMBER 0000361 Spill Number/Closed Date: 0000361 / 1/17/2002	6TH AVE & W. 23RD ST	S 0 - 1/8 (0.097 mi.)	L129	301
SPILL NUMBER 0306110 Spill Number/Closed Date: 0306110 / 10/29/2003	129 WEST 27TH ST	NNE 0 - 1/8 (0.114 mi.)	U150	346
SPILL NUMBER 9812378 Spill Number/Closed Date: 9812378 / 1/6/1999	114 WEST 27TH ST	NE 0 - 1/8 (0.116 mi.)	U160	365
SPILL NUMBER 9814178 Spill Number/Closed Date: 9814178 / 7/18/2003	***115 WEST 27TH ST***	***NE 0 - 1/8 (0.116 mi.)***	***U161***	***366***
115 W 27TH ST CO Spill Number/Closed Date: 9815385 / 10/28/2003 Spill Number/Closed Date: 9509100 / 10/25/1995	***115 W 27TH ST***	***NE 0 - 1/8 (0.116 mi.)***	***U162***	***368***
6TH ST & 27TH ST/BKLYN Spill Number/Closed Date: 8901733 / 5/20/1989	6TH STREET & 27TH STREE	NE 0 - 1/8 (0.123 mi.)	Y179	420
27TH ST Spill Number/Closed Date: 0000691 / 4/10/2003	BET 6TH & 7TH	N 0 - 1/8 (0.123 mi.)	S187	430

Lower Elevation	Address	Direction / Distance	Map ID	Page
APARTMENT BUILDING Spill Number/Closed Date: 0900035 / 4/29/2010	146 WEST 25TH STREET	NW 0 - 1/8 (0.036 mi.)	B16	66
FM RING ASSOC., INC. Spill Number/Closed Date: 9510916 / 11/30/1995	***142 W 24TH ST***	***WSW 0 - 1/8 (0.044 mi.)***	***F30***	***96***
152 WEST 25TH STREET Spill Number/Closed Date: 0802057 / 5/22/2008	152 WEST 25TH STREET	NW 0 - 1/8 (0.046 mi.)	B34	106
VACANT BUILDING Spill Number/Closed Date: 0600119 / 5/5/2008	159 WEST 24TH STREET	W 0 - 1/8 (0.063 mi.)	F63	168
165 WEST 25TH ST Spill Number/Closed Date: 9415262 / 2/26/2003	165 WEST 25TH ST	NW 0 - 1/8 (0.065 mi.)	G71	193
MANHOLE 46498 Spill Number/Closed Date: 9906922 / 2/3/2003	WEST 23RD/6TH AVE	S 0 - 1/8 (0.081 mi.)	L97	238
SITE Spill Number/Closed Date: 1011256 / 3/28/2011	124 WEST 23RD ST	SSW 0 - 1/8 (0.086 mi.)	J103	249
VAULT #8365 Spill Number/Closed Date: 0406444 / 10/23/2006	160-66 WEST 26TH ST	NNW 0 - 1/8 (0.087 mi.)	K108	254

Lower Elevation	Address	Direction / Distance	Map ID	Page
177 WEST 26TH STREET Spill Number/Closed Date: 9210365 / 12/8/1992	177 WEST 26TH STREET	NNW 0 - 1/8 (0.103 mi.)	O132	303
BASEMENT SPILL Spill Number/Closed Date: 0408042 / 12/15/2004	130 WEST 23RD ST	SW 0 - 1/8 (0.105 mi.)	N133	305
WEST 25TH ST & 7TH AVE Spill Number/Closed Date: 9709161 / 1/2/1998	WEST 25TH ST & 7TH AVE	NW 0 - 1/8 (0.123 mi.)	T183	425
RESIDENCE Spill Number/Closed Date: 9903226 / 6/22/1999	WEST 25TH & 7TH AVE	NW 0 - 1/8 (0.123 mi.)	T184	426
VAULT 5751 Spill Number/Closed Date: 9900626 / 1/29/2004	200 WEST 25TH ST	NW 0 - 1/8 (0.123 mi.)	T185	427
MH 44489 Spill Number/Closed Date: 9914577 / 11/16/2004	253 7TH AVE	WNW 0 - 1/8 (0.124 mi.)	T192	441
UNKNOWN Spill Number/Closed Date: 1206060 / Not Reported	250 7TH AVE	WNW 0 - 1/8 (0.124 mi.)	T193	442

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/10/2014 has revealed that there are 79 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISION - V8296	***135 W 25ST 135 W 25ST***	***N 0 - 1/8 (0.020 mi.)***	***A4***	***40***
CON ED - V 6408	***W 25TH ST***	***E 0 - 1/8 (0.044 mi.)***	***D27***	***92***
SPAR KNITWEAR INC	***127 W 25TH ST***	***NNW 0 - 1/8 (0.044 mi.)***	***B32***	***102***
STAVROS PARKING CORP	***736 6TH AVE***	***SSE 0 - 1/8 (0.053 mi.)***	***E50***	***137***
CON EDISON - VS 3530	***129 EAST 26TH STREET***	***NNE 0 - 1/8 (0.066 mi.)***	***I77***	***200***
AMBASSADOR ARTS INC	122 W 27TH ST 8TH FL	NNE 0 - 1/8 (0.106 mi.)	S134	306
DEMPSEY & CARROLL	122 W 27TH ST	NNE 0 - 1/8 (0.106 mi.)	S135	308
6TH AVENUE WEST ASSOC	***121 W 27TH ST - BASEMEN***	***NNE 0 - 1/8 (0.115 mi.)***	***U156***	***355***
IMPACT PRESENTATIONS INC	***121 W 27TH ST STE 602***	***NNE 0 - 1/8 (0.115 mi.)***	***U157***	***359***
INDUSTRIAL FUR DYEING INC	***121 W 27TH ST***	***NNE 0 - 1/8 (0.115 mi.)***	***U159***	***363***
EMPIRE PLATING CO	***115 W 27TH ST - 5TH FLO***	***NE 0 - 1/8 (0.116 mi.)***	***U163***	***373***
CON EDISION - R 9786	66 WEST 26TH ST. 66 WES	E 0 - 1/8 (0.122 mi.)	X177	419
GROW TUNNELING CORP	***71 W 23RD ST***	***SSE 1/8 - 1/4 (0.133 mi.)***	***Z215***	***485***
CON EDISION - V8176	***71 W.23 ST. 71 W.23 ST.***	***SSE 1/8 - 1/4 (0.135 mi.)***	***Z221***	***506***
NICO CONSTRUCTION CO INC	***50 W 23RD ST***	***SSE 1/8 - 1/4 (0.143 mi.)***	***AH249***	***584***
CHARMED IM SURE	***24 W 25TH ST***	***ESE 1/8 - 1/4 (0.145 mi.)***	***AI261***	***617***
MARVEL ENTERTAINMENT GROUP INC	***45 W 25TH ST 3RD FLOOR***	***ESE 1/8 - 1/4 (0.147 mi.)***	***AI265***	***632***
SANDBERG & SIKORSKI	***37 W 26TH ST***	***E 1/8 - 1/4 (0.147 mi.)***	***AK266***	***642***
IDEAL LABEL INC	***43 W 24TH ST***	***SE 1/8 - 1/4 (0.153 mi.)***	***AN280***	***693***
ENTERON GROUP LLC	***40 W 25TH ST***	***ESE 1/8 - 1/4 (0.159 mi.)***	***AI286***	***711***
V8426	***36 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.168 mi.)***	***AI310***	***771***
IMAGING CONSORTIUM	***28 W 25TH ST - 12TH FLO***	***ESE 1/8 - 1/4 (0.180 mi.)***	***BB337***	***836***
V3887	***48 W 23RD STREET***	***SSE 1/8 - 1/4 (0.183 mi.)***	***AQ350***	***878***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GUARDIAN CLEANERS	***27 W 24TH ST***	***SE 1/8 - 1/4 (0.184 mi.)***	***BE355***	***890***
KALROY CONTRACTORS INC	***150 W 28TH ST ROOM 1604***	***N 1/8 - 1/4 (0.186 mi.)***	***AR365***	***925***
STEIN KILLPATRICK & ROGAN	***15 W 26TH ST***	***E 1/8 - 1/4 (0.192 mi.)***	***AY397***	***995***
ADDS CO THE	***19 W 24TH ST***	***SE 1/8 - 1/4 (0.200 mi.)***	***BE419***	***1060***
DIGITAL PRE-PRESS INC	44 W 28TH ST	ENE 1/8 - 1/4 (0.202 mi.)	BQ426	1079
CON EDISON SERVICE BOX 28952	***1147 BROADWAY***	***E 1/8 - 1/4 (0.202 mi.)***	***BP428***	***1081***
CON EDISON SERVICE BOX 28953	***1151 BROADWAY***	***E 1/8 - 1/4 (0.205 mi.)***	***BP435***	***1094***
HASBRO MANAGERIAL SERVICES INC	***32 W 23RD ST***	***SE 1/8 - 1/4 (0.213 mi.)***	***BX462***	***1170***
MERIT ENGRAVING CO	***135 W 29TH ST 6TH FLOOR***	***NNE 1/8 - 1/4 (0.213 mi.)***	***BS467***	***1184***
CHROMACOMP INC	***129 W 29TH ST***	***NNE 1/8 - 1/4 (0.215 mi.)***	***CC478***	***1219***
CON EDISON VAULT 8925	***28 W 23 ST VAULT 8925***	***SE 1/8 - 1/4 (0.221 mi.)***	***BX515***	***1286***
CON EDISON VAULT 580	28 W 23 ST VAULT 580	SE 1/8 - 1/4 (0.221 mi.)	BX516	1287
HASBRO INC	1107 BROADWAY - 11TH F	ESE 1/8 - 1/4 (0.222 mi.)	CB524	1316
MAKING COPIES	***20 W 23RD ST***	***SE 1/8 - 1/4 (0.234 mi.)***	***BX579***	***1432***
MONTE NOVELTY PLATING CO	***44 W 29TH ST***	***ENE 1/8 - 1/4 (0.239 mi.)***	***CQ594***	***1481***
NYCDEP BWS & WWC - SHAFT 18	***25TH ST AT 5TH AVE & BR***	***SE 1/8 - 1/4 (0.244 mi.)***	***CZ606***	***1501***
CON ED - V 2701	1 W 24 ST	SE 1/8 - 1/4 (0.244 mi.)	CZ607	1506
CON EDISON - VS 9773	***32 WEST 29TH STREET***	***ENE 1/8 - 1/4 (0.247 mi.)***	***CY613***	***1519***
V0212	***1 W51 STREET***	***ESE 1/8 - 1/4 (0.249 mi.)***	***DB620***	***1529***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON ED - V 6409	***152 W 25 ST***	***NW 0 - 1/8 (0.046 mi.)***	***B37***	***111***
CIRCLE JEWELRY PRODUCTS CO	***148 W 24TH ST***	***WSW 0 - 1/8 (0.049 mi.)***	***F41***	***117***
AMBIENT LABS	***159 W 25TH ST***	***NW 0 - 1/8 (0.056 mi.)***	***G53***	***142***
CON ED - V 2870	160 W 26TH ST	NNW 0 - 1/8 (0.086 mi.)	K105	251
CAPPIELLO KING ASSOCIATES INC	***148 W 23RD ST STE 1B***	***WSW 0 - 1/8 (0.123 mi.)***	***AA191***	***438***
FEDERAL BUILDING THE	***252 7TH AVE***	***WNW 1/8 - 1/4 (0.126 mi.)***	***T203***	***458***
HAROLD FREEMAN JEWELRY MFG CO	***275 SEVENTH AVE - 8TH F***	***NW 1/8 - 1/4 (0.129 mi.)***	***AC209***	***470***
NEW YORK LABEL & BOX CORP	***275 7TH AVE***	***NW 1/8 - 1/4 (0.129 mi.)***	***AC212***	***475***
CON ED - V 1321	***200 W 25 ST***	***NW 1/8 - 1/4 (0.130 mi.)***	***T213***	***483***
TECHNICAL SERVICE INDUSTRIES I	***126 W 22ND ST***	***SSW 1/8 - 1/4 (0.138 mi.)***	***AE230***	***527***
ISAACSON BROTHERS INC	***136 W 22ND ST***	***SW 1/8 - 1/4 (0.139 mi.)***	***AE234***	***533***
D & B REPRODUCTIONS INC	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.140 mi.)***	***AC237***	***538***
GOLD VALET EAST INC	***140 W 22ND ST***	***SW 1/8 - 1/4 (0.140 mi.)***	***AE239***	***553***
MIMI DI N INC	***140 W 22ND ST 5TH FL***	***SW 1/8 - 1/4 (0.140 mi.)***	***AE242***	***568***
CHELSEA BLACK & WHITE	***132 W 22ND ST -11TH FLO***	***SW 1/8 - 1/4 (0.141 mi.)***	***AE244***	***572***
GRAPHIC SPECIALTIES INC DBA UN	***150 W 22ND ST 6TH FL***	***SW 1/8 - 1/4 (0.144 mi.)***	***AF251***	***590***
GARIB STEVEN	200 W 26TH ST	NW 1/8 - 1/4 (0.145 mi.)	AD260	616
NYC PUBLIC LIBRARY - MUHLENBER	***209 W 23RD ST***	***W 1/8 - 1/4 (0.164 mi.)***	***AM296***	***744***
CON EDISON - VAULT 6081	208 WEST 23 ST	W 1/8 - 1/4 (0.165 mi.)	AM298	752
NYC BD OF ED - FASHION INDUSTR	***225 W 24TH ST***	***WNW 1/8 - 1/4 (0.171 mi.)***	***AV314***	***776***
EVERWED OF NEW YORK	***305 7TH AVE***	***NNW 1/8 - 1/4 (0.179 mi.)***	***BA335***	***823***
V0019	***207 W 27 STREET***	***NNW 1/8 - 1/4 (0.181 mi.)***	***BA339***	***841***
M & Z BENCH	***307 7TH AVE 604***	***NNW 1/8 - 1/4 (0.182 mi.)***	***BA342***	***846***
CON ED - V 5536	***133 W 21ST ST V 5536***	***SSW 1/8 - 1/4 (0.185 mi.)***	***BC359***	***901***
WUNDERMAN WORLD WIDE CINQUE	***675 AVE OF THE AMERICAS***	***SSW 1/8 - 1/4 (0.185 mi.)***	***BF362***	***910***
VISION GRAPHIC	***132 W 21ST ST***	***SSW 1/8 - 1/4 (0.187 mi.)***	***BC376***	***947***
ELBERT HOLDING CORP	***142 W 21ST ST***	***SW 1/8 - 1/4 (0.189 mi.)***	***BH383***	***964***
ANN SERVICE CORP	***161 W 21ST ST***	***SW 1/8 - 1/4 (0.193 mi.)***	***BH405***	***1021***
CON EDISON - MH M44532	***W 28TH ST & 7TH AV***	***N 1/8 - 1/4 (0.206 mi.)***	***BN442***	***1104***
CON EDISON AT FASHION INSTITUT	***227 W 27TH ST***	***NNW 1/8 - 1/4 (0.207 mi.)***	***BM449***	***1113***
MARESCA JEWELRY CO	191 SEVENTH AVE	WSW 1/8 - 1/4 (0.217 mi.)	CE501	1263
V9203	***233 W 22ND STREET***	***W 1/8 - 1/4 (0.226 mi.)***	***CM538***	***1342***
ALMAR METAL SPINNING CORP	***135 W 20TH ST***	***SSW 1/8 - 1/4 (0.231 mi.)***	***CO553***	***1372***
CON EDISON - VS 1798	***245 W. 27TH ST.***	***NNW 1/8 - 1/4 (0.231 mi.)***	***CF558***	***1383***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
KWIK INTL COLOR LTD	***229 W 28TH ST 8TH & 9TH***	***NNW 1/8 - 1/4 (0.239 mi.)***	***CV592***	***1475***
RVS2747	***641 6TH AVENUE***	***SSW 1/8 - 1/4 (0.247 mi.)***	***CO614***	***1521***
CON ED - V 5049	641 6TH AVE	SSW 1/8 - 1/4 (0.247 mi.)	CO615	1523

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 12/31/2013 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 1/2 - 1 (0.932 mi.)***	***0***	***8***

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 1/2 - 1 (0.932 mi.)***	***0***	***8***

NY HSWDS: The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity The latest version of the study is frozen in time. The sites on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

A review of the NY HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there are 3 NY HSWDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INTERNATIONAL DIAL CO.	22 W. 19TH STREET	S 1/4 - 1/2 (0.352 mi.)	DK657	1602

Lower Elevation	Address	Direction / Distance	Map ID	Page
FEDERAL BUILDING SITE	***252 7TH AVE***	***WNW 1/8 - 1/4 (0.126 mi.)***	***T204***	***461***
AMERICAN RADIUM INDUSTRIES	3 NEW YORK PLAZA	SSW 1/4 - 1/2 (0.427 mi.)	679	1643

EXECUTIVE SUMMARY

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 08/01/2014 has revealed that there are 157 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISION - V8296	***135 W 25ST 135 W 25ST***	***N 0 - 1/8 (0.020 mi.)***	***A4***	***40***
CON EDISON	54 W 25 ST	E 0 - 1/8 (0.044 mi.)	D26	91
CON ED - V 6408	***W 25TH ST***	***E 0 - 1/8 (0.044 mi.)***	***D27***	***92***
CON EDISON	46 W 25 ST	E 0 - 1/8 (0.044 mi.)	D28	94
CON EDISON - VS 3530	***129 EAST 26TH STREET***	***NNE 0 - 1/8 (0.066 mi.)***	***I77***	***200***
MTA NYCT - 23RD STREET STATION	W 23RD ST & 6TH AVE	S 0 - 1/8 (0.097 mi.)	L126	295
AMBASSADOR ART	122 W 27TH STREET	NNE 0 - 1/8 (0.106 mi.)	S136	309
AMBASSADOR ARTS INCORPORATED	***122 WEST 27TH STREET***	***NNE 0 - 1/8 (0.106 mi.)***	***S137***	***310***
CONSOLIDATED EDISON	V3793-121 W 27TH ST	NNE 0 - 1/8 (0.115 mi.)	U155	355
6TH AVENUE WEST ASSOC	***121 W 27TH ST - BASEMEN***	***NNE 0 - 1/8 (0.115 mi.)***	***U156***	***355***
IMPACT PRESENTATIONS INC	***121 W 27TH ST STE 602***	***NNE 0 - 1/8 (0.115 mi.)***	***U157***	***359***
EMPIRE PLATING CO	***115 W 27TH ST - 5TH FLO***	***NE 0 - 1/8 (0.116 mi.)***	***U163***	***373***
DAN KANE PLATING INC	***115 WEST 27TH STREET***	***NE 0 - 1/8 (0.116 mi.)***	***U164***	***377***
TART OPTICAL ENTERPRISES	135 WEST 27TH ST	NNE 0 - 1/8 (0.118 mi.)	S170	403
CON EDISION - R 9786	***66 WEST 26TH ST. 66 WES***	***E 0 - 1/8 (0.122 mi.)***	***X178***	***420***
CON EDISON	80 WEST 23RD ST.	SSE 0 - 1/8 (0.123 mi.)	Z186	429
GROW TUNNELING CORP	***71 W 23RD ST***	***SSE 1/8 - 1/4 (0.133 mi.)***	***Z215***	***485***
CON EDISION - V8176	***71 W.23 ST. 71 W.23 ST.***	***SSE 1/8 - 1/4 (0.135 mi.)***	***Z221***	***506***
CON EDISON	72 WEST 23RD ST.	SSE 1/8 - 1/4 (0.136 mi.)	Z224	509
CONSOLIDATED EDISON	43 WEST 22ND ST	SSE 1/8 - 1/4 (0.143 mi.)	AH248	583
NICO CONSTRUCTION CO INC	***50 W 23RD ST***	***SSE 1/8 - 1/4 (0.143 mi.)***	***AH249***	***584***
CHARMED IM SURE	***24 W 25TH ST***	***ESE 1/8 - 1/4 (0.145 mi.)***	***AI261***	***617***
MARVEL ENTERTAINMENT GROUP INC	***45 W 25TH ST 3RD FLOOR***	***ESE 1/8 - 1/4 (0.147 mi.)***	***AI265***	***632***
SANDBERG & SIKORSKI	***37 W 26TH ST***	***E 1/8 - 1/4 (0.147 mi.)***	***AK266***	***642***
CONSOLIDATED EDISON	FRONT OF 805 6TH AVE	NE 1/8 - 1/4 (0.148 mi.)	AL272	683
IDEAL LABEL INC	***43 W 24TH ST***	***SE 1/8 - 1/4 (0.153 mi.)***	***AN280***	***693***
CON EDISON	FO 52 W 27 ST	ENE 1/8 - 1/4 (0.159 mi.)	AJ284	707
ENTERON GROUP LLC	***40 W 25TH ST***	***ESE 1/8 - 1/4 (0.159 mi.)***	***AI286***	***711***
ADAMS & CO REAL ESTATE INC	***53 W 23RD ST 8TH FLOOR***	***SSE 1/8 - 1/4 (0.162 mi.)***	***AQ289***	***728***
CON EDISON	53 W 23RD ST	SSE 1/8 - 1/4 (0.162 mi.)	AQ291	736
CON EDISON	139 W 28 ST	NNE 1/8 - 1/4 (0.165 mi.)	AP300	755
V8426	***36 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.168 mi.)***	***AI310***	***771***
CON EDISON	816 6 AVE	NE 1/8 - 1/4 (0.171 mi.)	AX316	786
CON EDISON	817 6 AVE	NE 1/8 - 1/4 (0.176 mi.)	AX322	798
CON EDISON	FT OF 61 WEST 22ND ST	SSE 1/8 - 1/4 (0.183 mi.)	BD349	877
V3887	***48 W 23RD STREET***	***SSE 1/8 - 1/4 (0.183 mi.)***	***AQ350***	***878***
GUARDIAN CLEANERS	***27 W 24TH ST***	***SE 1/8 - 1/4 (0.184 mi.)***	***BE355***	***890***
CON EDISON	37 W 23RS ST	SE 1/8 - 1/4 (0.187 mi.)	BG369	930
CON EDISON	823 6 AVE	NE 1/8 - 1/4 (0.191 mi.)	AX390	984
STEIN KILLPATRICK & ROGAN	***15 W 26TH ST***	***E 1/8 - 1/4 (0.192 mi.)***	***AY397***	***995***
HOME DEPOT USA INC HD6175	***40 W 23RD ST***	***SE 1/8 - 1/4 (0.195 mi.)***	***BG409***	***1030***
CON EDISON	826 6 AVE	NE 1/8 - 1/4 (0.196 mi.)	BL411	1048
HORAN ENGRAVING CO INC	***44 W 28TH ST***	***ENE 1/8 - 1/4 (0.202 mi.)***	***BQ425***	***1068***
CONED -	1147 BROADWAY	E 1/8 - 1/4 (0.202 mi.)	BP427	1080
KIM JOHN RESIDENCE	***15 W 24TH ST - 6TH FLOO***	***SE 1/8 - 1/4 (0.204 mi.)***	***BE433***	***1090***
CONED -	1151 BROADWAY	E 1/8 - 1/4 (0.205 mi.)	BP436	1096
CON EDISON	829 6 AVE	NE 1/8 - 1/4 (0.205 mi.)	BL438	1097
CON EDISON	1165 BROADWAY	E 1/8 - 1/4 (0.208 mi.)	BI451	1156
CON EDISON	FO 124 WEST 29 ST	NNE 1/8 - 1/4 (0.211 mi.)	BS456	1162
CON EDISON	FO 140 WEST 29 ST	NNE 1/8 - 1/4 (0.212 mi.)	BS461	1169
MERIT ENGRAVING CO	***135 W 29TH ST 6TH FLOOR***	***NNE 1/8 - 1/4 (0.213 mi.)***	***BS467***	***1184***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONSOLIDATED EDISON	29 W 28TH ST	ENE 1/8 - 1/4 (0.214 mi.)	BQ470	1192
104 WEST 29TH ST. REALTY CO.	***104 WEST 29TH STREET***	***NE 1/8 - 1/4 (0.214 mi.)***	***BL473***	***1200***
CON EDISON	FO 113 WEST 29 ST	NE 1/8 - 1/4 (0.214 mi.)	CA475	1216
129 WEST 29TH LLC	***129 WEST 29TH STREET***	***NNE 1/8 - 1/4 (0.215 mi.)***	***CC482***	***1226***
CON EDISON	FO 9 WEST 24TH ST	SE 1/8 - 1/4 (0.215 mi.)	CB483	1228
CON EDISON	9 W 24TH ST	SE 1/8 - 1/4 (0.215 mi.)	CB484	1229
CON EDISON	9 W 24 ST	SE 1/8 - 1/4 (0.215 mi.)	CB485	1230
CON EDISON	FO 100 WEST 29 ST	NE 1/8 - 1/4 (0.215 mi.)	BL486	1231
CON EDISON	FO 107 WEST 29 ST	NE 1/8 - 1/4 (0.215 mi.)	CA488	1234
CON EDISON	35 W 22ND ST	SSE 1/8 - 1/4 (0.220 mi.)	CD510	1278
CON EDISON	35 W 22ND ST	SSE 1/8 - 1/4 (0.220 mi.)	CD511	1279
CON EDISON	35 W 22ND ST	SSE 1/8 - 1/4 (0.220 mi.)	CD512	1280
CONSOLIDATED EDISON	28 WEST 23RD ST	SE 1/8 - 1/4 (0.221 mi.)	BX514	1284
CON EDISON VAULT 8925	***28 W 23 ST VAULT 8925***	***SE 1/8 - 1/4 (0.221 mi.)***	***BX515***	***1286***
NEW YORK CITY DEP	165 W 29TH ST	NNE 1/8 - 1/4 (0.222 mi.)	BT519	1294
CON EDISON	OPP 169 WEST 29TH ST	N 1/8 - 1/4 (0.224 mi.)	BT530	1327
WCD CONSULTANTS	200 FIFTH AVENUE	SE 1/8 - 1/4 (0.230 mi.)	CB544	1352
CON EDISON	6 W 26TH ST	ESE 1/8 - 1/4 (0.232 mi.)	CG560	1386
CON EDISON	FO 56 WEST 29 ST	NE 1/8 - 1/4 (0.233 mi.)	CQ569	1404
BIG APPLE COLOR & GRAPHICS	20 W 23RD ST	SE 1/8 - 1/4 (0.234 mi.)	BX578	1423
CON EDISON	FT OF 44 W 21ST ST	S 1/8 - 1/4 (0.243 mi.)	CU599	1490
NYCDEP BWS & WWC - SHAFT 18	***25TH ST AT 5TH AVE & BR***	***SE 1/8 - 1/4 (0.244 mi.)***	***CZ606***	***1501***
CON EDISON	19 W 22ND ST	SSE 1/8 - 1/4 (0.246 mi.)	CS610	1513
CON EDISON - VS 9773	***32 WEST 29TH STREET***	***ENE 1/8 - 1/4 (0.247 mi.)***	***CY613***	***1519***
CON EDISON	FT OF 39 W 21ST ST	SSE 1/8 - 1/4 (0.247 mi.)	CU616	1524
V0212	***1 W51 STREET***	***ESE 1/8 - 1/4 (0.249 mi.)***	***DB620***	***1529***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON ED - V 6409	***152 W 25 ST***	***NW 0 - 1/8 (0.046 mi.)***	***B37***	***111***
CIRCLE JEWELRY PRODUCTS CO	***148 W 24TH ST***	***WSW 0 - 1/8 (0.049 mi.)***	***F41***	***117***
AMBIENT LABS	***159 W 25TH ST***	***NW 0 - 1/8 (0.056 mi.)***	***G53***	***142***
CONSOLIDATED EDISON	162 W 24 ST VS9776	W 0 - 1/8 (0.069 mi.)	80	208
CON EDISON	FO 167 W 26 ST	NNW 0 - 1/8 (0.094 mi.)	O115	277
23 FRENCH DRY CLEANERS	***169 W 23RD ST***	***WSW 0 - 1/8 (0.108 mi.)***	***R143***	***323***
CAPPIELLO KING ASSOCIATES INC	***148 W 23RD ST STE 1B***	***WSW 0 - 1/8 (0.123 mi.)***	***AA191***	***438***
FEDERAL BUILDING SITE	***252 7TH AVE***	***WNW 1/8 - 1/4 (0.126 mi.)***	***T204***	***461***
252 SEVENTH LLC	252 SEVENTH AVE	WNW 1/8 - 1/4 (0.126 mi.)	T205	467
BELL ATLANTIC NY	W 24TH ST & 7TH AVE MAN	WNW 1/8 - 1/4 (0.127 mi.)	W206	468
HAROLD FREEMAN JEWELRY MFG CO	***275 SEVENTH AVE - 8TH F***	***NW 1/8 - 1/4 (0.129 mi.)***	***AC209***	***470***
NEW YORK LABEL & BOX CORP	***275 7TH AVE***	***NW 1/8 - 1/4 (0.129 mi.)***	***AC212***	***475***
CON ED - V 1321	***200 W 25 ST***	***NW 1/8 - 1/4 (0.130 mi.)***	***T213***	***483***
CON EDISON	234 7TH AVE	W 1/8 - 1/4 (0.135 mi.)	222	507
CONSOLIDATED EDISON	7TH AVE & W 26TH ST MH5	NNW 1/8 - 1/4 (0.140 mi.)	AD236	537
D & B REPRODUCTIONS INC	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.140 mi.)***	***AC237***	***538***
DARBERT CORP	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.140 mi.)***	***AC238***	***546***
GOLD VALET EAST INC	***140 W 22ND ST***	***SW 1/8 - 1/4 (0.140 mi.)***	***AE239***	***553***
MIMI DI N INCORPORATED	***140 WEST 22ND STREET***	***SW 1/8 - 1/4 (0.140 mi.)***	***AE241***	***567***
GRAPHIC SPECIALTIES INC DBA UN	***150 W 22ND ST 6TH FL***	***SW 1/8 - 1/4 (0.144 mi.)***	***AF251***	***590***
CON EDISON	20 W 22ND ST	SSW 1/8 - 1/4 (0.144 mi.)	AG254	607
CON EDISON	FT OF 2 W 22ND STREET	SSW 1/8 - 1/4 (0.144 mi.)	AG255	608
CON EDISON	20 W 22ND ST	SSW 1/8 - 1/4 (0.144 mi.)	AG257	611
CONSOLIDATED EDISON	23RD ST & 7TH AVE	W 1/8 - 1/4 (0.149 mi.)	AM273	684
CON EDISON	FO 204 W 26 ST	NW 1/8 - 1/4 (0.151 mi.)	AD275	687
NYC PUBLIC LIBRARY - MUHLENBER	***209 W 23RD ST***	***W 1/8 - 1/4 (0.164 mi.)***	***AM296***	***744***
CONSLIDATED EDISON	V6081-F/O 208 W 23RD ST	W 1/8 - 1/4 (0.168 mi.)	AM307	767

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSOLIDATED EDISON	208 14 W 23RD ST V6081	W 1/8 - 1/4 (0.168 mi.)	AM308	768
CONSOLIDATED EDISON	V6081-208 W 23RD ST	W 1/8 - 1/4 (0.168 mi.)	AM309	770
CON EDISON	7 AVE & 27 ST	NNW 1/8 - 1/4 (0.169 mi.)	AO312	775
NYC BD OF ED - FASHION INDUSTR	***225 W 24TH ST***	***WNW 1/8 - 1/4 (0.171 mi.)***	***AV314***	***776***
CONED	220 E 26TH ST	NW 1/8 - 1/4 (0.175 mi.)	AU318	789
EVERWED OF NEW YORK	***305 7TH AVE***	***NNW 1/8 - 1/4 (0.179 mi.)***	***BA335***	***823***
V0019	***207 W 27 STREET***	***NNW 1/8 - 1/4 (0.181 mi.)***	***BA339***	***841***
M & Z BENCH	***307 7TH AVE 604***	***NNW 1/8 - 1/4 (0.182 mi.)***	***BA342***	***846***
SCHOOL OF VISUAL ARTS	***141 W 21ST ST***	***SSW 1/8 - 1/4 (0.182 mi.)***	***BC344***	***850***
SCHOOL OF VISUAL ARTS	133 W 21 ST	SSW 1/8 - 1/4 (0.182 mi.)	BC345	861
CON ED - V 5536	***133 W 21ST ST V 5536***	***SSW 1/8 - 1/4 (0.185 mi.)***	***BC359***	***901***
WUNDERMAN WORLD WIDE CINQUE	***675 AVE OF THE AMERICAS***	***SSW 1/8 - 1/4 (0.185 mi.)***	***BF362***	***910***
CON EDISON	FO 128 W 21 ST	SSW 1/8 - 1/4 (0.187 mi.)	BC367	930
CON EDISON	FO 124 W 21 ST	SSW 1/8 - 1/4 (0.187 mi.)	BC368	930
SCHOOL OF VISUAL ARTS	132-136 W 21ST ST	SSW 1/8 - 1/4 (0.187 mi.)	BC374	944
VISION GRAPHIC	***132 W 21ST ST***	***SSW 1/8 - 1/4 (0.187 mi.)***	***BC376***	***947***
125 WEST 21ST STREET - ALCHEMY	***121-129 W 21ST ST***	***SSW 1/8 - 1/4 (0.188 mi.)***	***BC380***	***955***
CON EDISON	FT OF 147 W 21 STREET	SW 1/8 - 1/4 (0.188 mi.)	BH381	963
CON EDISON	FO 112 W 21 ST	SSW 1/8 - 1/4 (0.188 mi.)	BC382	964
ELBERT HOLDING CORP	***142 W 21ST ST***	***SW 1/8 - 1/4 (0.189 mi.)***	***BH383***	***964***
ANN SERVICE CORP	***161 W 21ST ST***	***SW 1/8 - 1/4 (0.193 mi.)***	***BH405***	***1021***
CONED	233 E 26TH ST	NW 1/8 - 1/4 (0.194 mi.)	BK406	1024
CONSOLIDATED EDISON	220 W 27 ST	NNW 1/8 - 1/4 (0.197 mi.)	BM415	1055
CON EDISON	199-201 7TH AVE	WSW 1/8 - 1/4 (0.201 mi.)	BJ421	1062
CONSOLIDATED EDISON	W 28 ST & 7 AVE V5843	N 1/8 - 1/4 (0.204 mi.)	BN432	1089
CON EDISON	226 W 27 ST	NNW 1/8 - 1/4 (0.205 mi.)	BM440	1100
CON EDISON - MH M44532	***W 28TH ST & 7TH AV***	***N 1/8 - 1/4 (0.206 mi.)***	***BN442***	***1104***
MTA NYCT - 28TH STREET STATION	28TH ST & 7TH AVE	N 1/8 - 1/4 (0.206 mi.)	BN443	1107
CON EDISON	319 7 AVE	N 1/8 - 1/4 (0.206 mi.)	BN447	1110
CON EDISON AT FASHION INSTITUT	***227 W 27TH ST***	***NNW 1/8 - 1/4 (0.207 mi.)***	***BM449***	***1113***
CON EDISON AT FASHION INSTITUT	***227 W 27TH ST***	***NNW 1/8 - 1/4 (0.207 mi.)***	***BM450***	***1117***
CON EDISON	250 W 25 ST	WNW 1/8 - 1/4 (0.211 mi.)	BV453	1158
CONSOLIDATED EDISON	250 W 25TH ST MH4678	WNW 1/8 - 1/4 (0.211 mi.)	BV454	1159
CON EDISON	FO 191 7 AVE	WSW 1/8 - 1/4 (0.217 mi.)	CE502	1265
PIERMONT CLEANERS	***188 7TH AVE***	***WSW 1/8 - 1/4 (0.222 mi.)***	***CE522***	***1299***
CON EDISON	7 AVE & W 21 ST	WSW 1/8 - 1/4 (0.223 mi.)	CE526	1321
CON EDISON	259 W 25 ST	WNW 1/8 - 1/4 (0.224 mi.)	BV529	1326
CON EDISON	201 W 21ST ST	WSW 1/8 - 1/4 (0.225 mi.)	CE534	1335
ONEILL CONDOMINIUM	655 6TH AVE	SSW 1/8 - 1/4 (0.226 mi.)	CK537	1341
V9203	***233 W 22ND STREET***	***W 1/8 - 1/4 (0.226 mi.)***	***CM538***	***1342***
CON EDISON	129 W 20 ST	SSW 1/8 - 1/4 (0.231 mi.)	CO548	1365
CON EDISON	121 W 20 ST	SSW 1/8 - 1/4 (0.231 mi.)	CO550	1369
CON EDISON - VS 1798	***245 W. 27TH ST.***	***NNW 1/8 - 1/4 (0.231 mi.)***	***CF558***	***1383***
CON EDISON	111 W 20 ST	SSW 1/8 - 1/4 (0.232 mi.)	CK559	1385
CON EDISON	128 W 20 ST	SSW 1/8 - 1/4 (0.233 mi.)	CO564	1391
CON EDISON	118 W 20 ST	SSW 1/8 - 1/4 (0.233 mi.)	CO565	1392
CON ED	209 W 21 ST	WSW 1/8 - 1/4 (0.233 mi.)	CE566	1393
CON EDISON	110 W 20TH ST	SSW 1/8 - 1/4 (0.234 mi.)	CK575	1418
CON EDISON	101 W 20 ST	SSW 1/8 - 1/4 (0.234 mi.)	CK576	1419
CON EDISON	154 W 54 ST	SW 1/8 - 1/4 (0.237 mi.)	584	1446
SWAN'S II CLEANERS	***181 7TH AVENUE***	***WSW 1/8 - 1/4 (0.237 mi.)***	***CE586***	***1448***
KWIK INTL COLOR LTD	***229 W 28TH ST 8TH & 9TH***	***NNW 1/8 - 1/4 (0.239 mi.)***	***CV592***	***1475***
RVS2747	***641 6TH AVENUE***	***SSW 1/8 - 1/4 (0.247 mi.)***	***CO614***	***1521***

EXECUTIVE SUMMARY

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 08/01/2014 has revealed that there are 11 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LAW & ORDER - CRIMINAL INTENT	***PIER 61 W 23RD ST AT WE***	***SSE 1/8 - 1/4 (0.148 mi.)***	***AH271***	***662***
CON EDISON SERVICE BOX 28952	***1147 BROADWAY***	***E 1/8 - 1/4 (0.202 mi.)***	***BP428***	***1081***
CON EDISON SERVICE BOX 28953	***1151 BROADWAY***	***E 1/8 - 1/4 (0.205 mi.)***	***BP435***	***1094***
LAZYAN	104 W 29TH ST 7TH FL	NE 1/8 - 1/4 (0.214 mi.)	BL471	1193
NYCT - 28TH ST STATION N/R LIN	***COR OF 28TH ST & BROADW***	***ENE 1/8 - 1/4 (0.224 mi.)***	***CJ528***	***1324***
200 FIFTH AVENUE LLC	***200 FIFTH AVENUE***	***SE 1/8 - 1/4 (0.230 mi.)***	***CB545***	***1354***
NYCDEP BWS & WWC - SHAFT 18	***25TH ST AT 5TH AVE & BR***	***SE 1/8 - 1/4 (0.244 mi.)***	***CZ606***	***1501***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SCHOOL OF VISUAL ARTS	***133-141 W 21ST ST***	***SSW 1/8 - 1/4 (0.182 mi.)***	***BC346***	***870***
125 WEST 21ST STREET - ALCHEMY	***121-129 W 21ST ST***	***SSW 1/8 - 1/4 (0.188 mi.)***	***BC380***	***955***
CON EDISON	***220 W 27TH ST***	***NNW 1/8 - 1/4 (0.197 mi.)***	***BM414***	***1053***
CON EDISON AT FASHION INSTITUT	***227 W 27TH ST***	***NNW 1/8 - 1/4 (0.207 mi.)***	***BM450***	***1117***

RI MANIFEST: Hazardous waste manifest information

A review of the RI MANIFEST list, as provided by EDR, and dated 08/01/2014 has revealed that there is 1 RI MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DAN KANE PLATING INC	***115 W 27TH ST 2ND FLOOR***	***NE 0 - 1/8 (0.116 mi.)***	***U165***	***389***

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 07/17/2014 has revealed that there are 5 NY DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DIGITAL CLEANERS	107 W 26TH STREET	NE 0 - 1/8 (0.074 mi.)	H88	223

Lower Elevation	Address	Direction / Distance	Map ID	Page
23RD FRECH DRY CLEANERS	169 W. 23RD STREET	WSW 0 - 1/8 (0.108 mi.)	R140	320
MIMI DI N INCORPORATED	***140 WEST 22ND STREET***	***SW 1/8 - 1/4 (0.140 mi.)***	***AE241***	***567***
PIERMONT CLEANERS	188 7TH AVENUE	WSW 1/8 - 1/4 (0.222 mi.)	CE521	1299
SWAN'S II CLEANERS	181 SEVENTH AVENUE	WSW 1/8 - 1/4 (0.237 mi.)	CE585	1448

NY E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 09/04/2014 has revealed that there are 16 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 1,TAXBLOCK 826	736 6 AVENUE	SSE 0 - 1/8 (0.053 mi.)	E49	134
LOT 82,TAXBLOCK 825	732 6 AVENUE	SSE 0 - 1/8 (0.058 mi.)	E54	146

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 34,TAXBLOCK 801	103 WEST 25 STREET	ENE 0 - 1/8 (0.076 mi.)	H91	228
LOT 36,TAXBLOCK 802	777 6 AVENUE	ENE 0 - 1/8 (0.085 mi.)	M102	247
LOT 1,TAXBLOCK 828	776 6 AVENUE	ENE 0 - 1/8 (0.086 mi.)	M106	252
LOT 1,TAXBLOCK 829	796 6 AVENUE	NE 0 - 1/8 (0.125 mi.)	Y198	452

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 7,TAXBLOCK 800	159 WEST 24 STREET	W 0 - 1/8 (0.062 mi.)	F62	167
LOT 74,TAXBLOCK 800	164 WEST 25 STREET	NW 0 - 1/8 (0.065 mi.)	G69	188
LOT 76,TAXBLOCK 800	168 WEST 25 STREET	NW 0 - 1/8 (0.071 mi.)	G86	219
LOT 7,TAXBLOCK 799	167 WEST 23 STREET	WSW 0 - 1/8 (0.106 mi.)	R138	315
LOT 6,TAXBLOCK 799	169 WEST 23 STREET	WSW 0 - 1/8 (0.108 mi.)	R141	320
LOT 79,TAXBLOCK 800	257 7 AVENUE	WNW 0 - 1/8 (0.109 mi.)	T144	337
LOT 7502,TAXBLOCK 798	170 WEST 23 STREET	WSW 0 - 1/8 (0.112 mi.)	R148	344
LOT 78,TAXBLOCK 800	259 7 AVENUE	WNW 0 - 1/8 (0.123 mi.)	T180	421
LOT 77,TAXBLOCK 800	261 7 AVENUE	WNW 0 - 1/8 (0.123 mi.)	T181	423
LOT 5,TAXBLOCK 800	253 7 AVENUE	WNW 0 - 1/8 (0.124 mi.)	T194	443

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 4 EDR MGP sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - WEST 18TH ST. GAS	WEST 16TH - WEST 20TH S	W 1/2 - 1 (0.720 mi.)	718	1728
CON EDISON - 19TH ST. WORKS MG	11TH AVE BETWEEN W 19TH	W 1/2 - 1 (0.799 mi.)	719	1728
19TH STREET DEVELOPMENT SITE	80 11TH AVENUE	W 1/2 - 1 (0.807 mi.)	720	1728
CON EDISON - EAST 32ND ST. STA	EAST 32ND - EAST 33RD S	E 1/2 - 1 (0.995 mi.)	721	1729

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 41 EDR US

EXECUTIVE SUMMARY

Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	133 W 25TH ST	N 0 - 1/8 (0.020 mi.)	A5	42
Not reported	127 W 26TH ST	NNE 0 - 1/8 (0.066 mi.)	I73	195
Not reported	110 W 26TH ST	NE 0 - 1/8 (0.069 mi.)	H83	216
Not reported	122 W 27TH ST	NNE 0 - 1/8 (0.113 mi.)	U149	346
Not reported	129 W 27TH ST	NNE 0 - 1/8 (0.115 mi.)	U154	354
Not reported	796 AVENUE OF THE AMER	NE 0 - 1/8 (0.125 mi.)	Y199	454
Not reported	91 W 27TH ST	ENE 1/8 - 1/4 (0.131 mi.)	V214	484
Not reported	43 W 24TH ST	SE 1/8 - 1/4 (0.153 mi.)	AN277	689
Not reported	141 W 28TH ST	N 1/8 - 1/4 (0.177 mi.)	AR328	813
Not reported	1121 BROADWAY	ESE 1/8 - 1/4 (0.191 mi.)	BB394	989
Not reported	1133 BROADWAY	ESE 1/8 - 1/4 (0.200 mi.)	BO418	1060
Not reported	19 W 24TH ST	SE 1/8 - 1/4 (0.200 mi.)	BE420	1062
Not reported	1161 BROADWAY	E 1/8 - 1/4 (0.206 mi.)	BI446	1109
Not reported	10 W 24TH ST	SE 1/8 - 1/4 (0.214 mi.)	CB476	1216
Not reported	1170 BROADWAY	ENE 1/8 - 1/4 (0.217 mi.)	BZ498	1256
Not reported	839 AVENUE OF THE AMER	NE 1/8 - 1/4 (0.228 mi.)	CN542	1352
Not reported	12 W 23RD ST	SE 1/8 - 1/4 (0.244 mi.)	604	1497
Not reported	1090 BROADWAY	SE 1/8 - 1/4 (0.249 mi.)	CZ619	1528

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	149 W 24TH ST	WSW 0 - 1/8 (0.049 mi.)	F39	115
Not reported	127 W 23RD ST	SW 0 - 1/8 (0.064 mi.)	J67	184
Not reported	132 W 23RD ST	SW 0 - 1/8 (0.086 mi.)	J107	254
Not reported	143 W 23RD ST	SW 0 - 1/8 (0.088 mi.)	N110	266
Not reported	261 7TH AVE	WNW 0 - 1/8 (0.123 mi.)	T182	425
Not reported	270 7TH AVE	NW 1/8 - 1/4 (0.128 mi.)	AC207	468
Not reported	276 7TH AVE	NW 1/8 - 1/4 (0.137 mi.)	AD228	524
Not reported	120 W 22ND ST	SSW 1/8 - 1/4 (0.138 mi.)	AE232	530
Not reported	695 AVENUE OF THE AMER	S 1/8 - 1/4 (0.143 mi.)	AG246	582
Not reported	690 AVENUE OF THE AMER	S 1/8 - 1/4 (0.146 mi.)	AG264	632
Not reported	210 7TH AVE	WSW 1/8 - 1/4 (0.168 mi.)	AS306	767
Not reported	666 AVENUE OF THE AMER	SSW 1/8 - 1/4 (0.205 mi.)	BF437	1097
Not reported	195 7TH AVE	WSW 1/8 - 1/4 (0.209 mi.)	BJ452	1158
Not reported	220 W 22ND ST	WSW 1/8 - 1/4 (0.212 mi.)	BR460	1169
Not reported	325 7TH AVE	N 1/8 - 1/4 (0.217 mi.)	BN504	1267
Not reported	325 7 AVE	N 1/8 - 1/4 (0.217 mi.)	BN505	1267
Not reported	243 W 27TH ST	NNW 1/8 - 1/4 (0.229 mi.)	CF543	1352
Not reported	135 W 20TH ST	SSW 1/8 - 1/4 (0.231 mi.)	CO554	1374
Not reported	236 W 26TH ST	NW 1/8 - 1/4 (0.231 mi.)	CP556	1378
Not reported	255 W 23RD ST	W 1/8 - 1/4 (0.232 mi.)	BW561	1387
Not reported	269 W 25TH ST	WNW 1/8 - 1/4 (0.240 mi.)	CR596	1486
Not reported	178 7TH AVE	WSW 1/8 - 1/4 (0.243 mi.)	CX600	1491
Not reported	647 AVENUE OF THE AMER	SSW 1/8 - 1/4 (0.248 mi.)	CK618	1528

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and

operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 36 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	750 AVENUE OF THE AMER	E 0 - 1/8 (0.051 mi.)	D45	130
Not reported	101 W 24TH ST	SSE 0 - 1/8 (0.052 mi.)	E46	130
Not reported	763 AVENUE OF THE AMER	E 0 - 1/8 (0.060 mi.)	H58	152
Not reported	107 W 26TH ST	NE 0 - 1/8 (0.074 mi.)	H89	224
Not reported	103 W 26TH ST	ENE 0 - 1/8 (0.077 mi.)	H93	231
Not reported	125 W 27TH ST	NNE 0 - 1/8 (0.115 mi.)	U152	351
Not reported	99 W 27TH ST	NE 1/8 - 1/4 (0.125 mi.)	Y200	454
Not reported	43 W 24TH ST	SE 1/8 - 1/4 (0.153 mi.)	AN278	689
Not reported	60 W 23RD ST	SSE 1/8 - 1/4 (0.157 mi.)	AH283	706
Not reported	41 W 23RD ST	SE 1/8 - 1/4 (0.183 mi.)	AQ348	877
Not reported	135 W 29TH ST	NNE 1/8 - 1/4 (0.213 mi.)	BS469	1192
Not reported	143 W 29TH ST	NNE 1/8 - 1/4 (0.215 mi.)	CC480	1223
Not reported	26 W 28TH ST	ENE 1/8 - 1/4 (0.216 mi.)	BQ489	1234
Not reported	186 5TH AVE	SE 1/8 - 1/4 (0.231 mi.)	BX551	1370
Not reported	844 AVENUE OF THE AMER	NE 1/8 - 1/4 (0.238 mi.)	CN589	1468

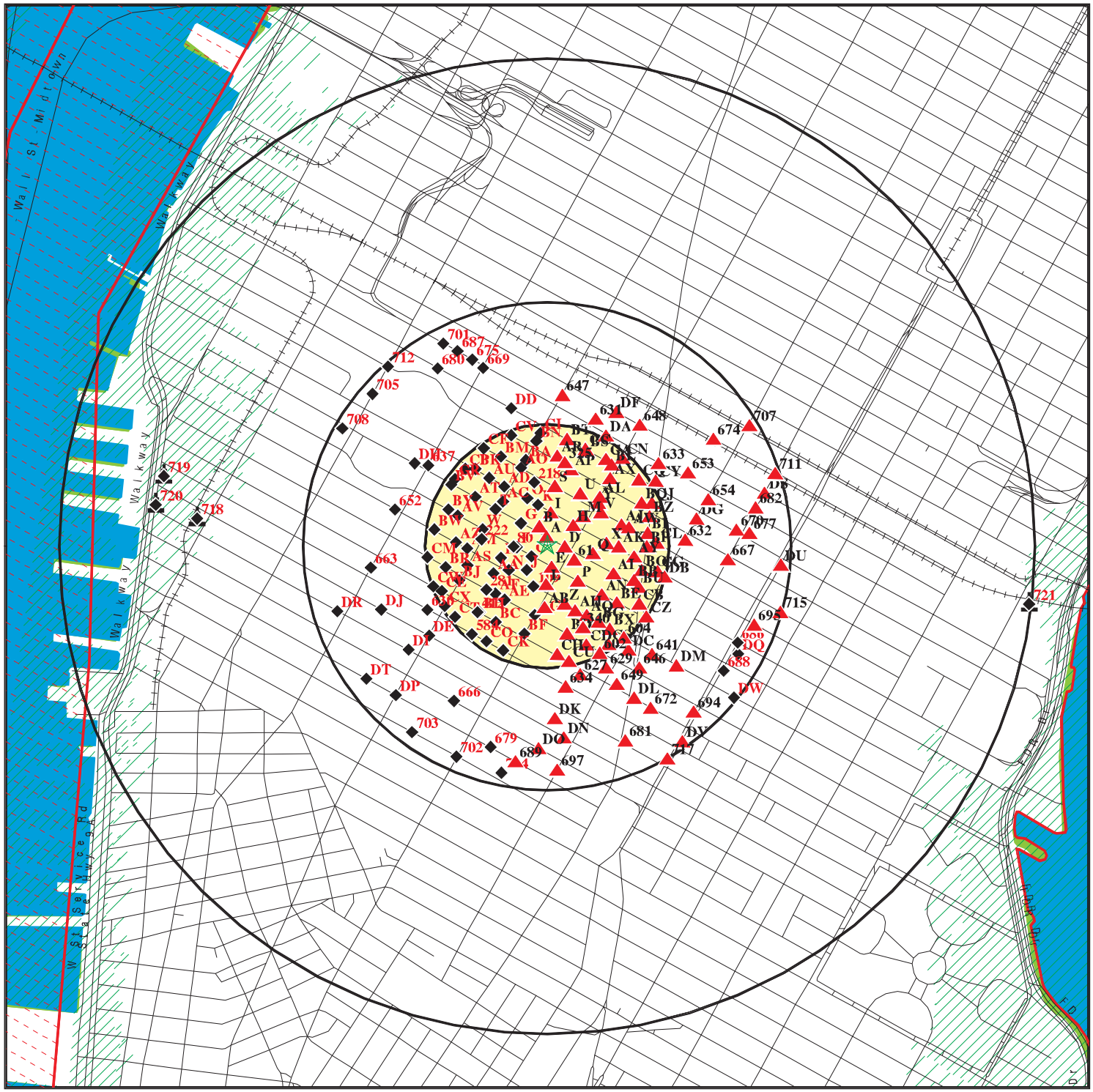
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	119 W 23RD ST	SSW 0 - 1/8 (0.064 mi.)	J64	180
Not reported	115 W 23RD ST	SSW 0 - 1/8 (0.086 mi.)	L104	251
Not reported	148 W 23RD ST	SW 0 - 1/8 (0.093 mi.)	N114	276
Not reported	169 W 26TH ST	NNW 0 - 1/8 (0.096 mi.)	O122	290
Not reported	171 W 26TH ST	NNW 0 - 1/8 (0.099 mi.)	O131	303
Not reported	169 W 23RD ST	WSW 0 - 1/8 (0.108 mi.)	R142	322
Not reported	275 7TH AVE	NW 1/8 - 1/4 (0.129 mi.)	AC211	475
Not reported	202 W 24TH ST	WNW 1/8 - 1/4 (0.137 mi.)	W226	512
Not reported	215 7TH AVE	WSW 1/8 - 1/4 (0.167 mi.)	AS305	767
Not reported	217 W 26TH ST	NW 1/8 - 1/4 (0.169 mi.)	AU313	776
Not reported	216 W 23RD ST	W 1/8 - 1/4 (0.176 mi.)	AZ323	798
Not reported	230 W 25TH ST	NW 1/8 - 1/4 (0.178 mi.)	AT330	815
Not reported	225 W 23RD ST	W 1/8 - 1/4 (0.187 mi.)	AZ371	939
Not reported	120 W 21ST ST	SSW 1/8 - 1/4 (0.187 mi.)	BC372	940
Not reported	155 W 21ST ST	SW 1/8 - 1/4 (0.191 mi.)	BH391	985
Not reported	196 7TH AVE	WSW 1/8 - 1/4 (0.193 mi.)	BJ403	1016
Not reported	212 W 22ND ST	WSW 1/8 - 1/4 (0.203 mi.)	BR430	1087
Not reported	241 W 26TH ST	NW 1/8 - 1/4 (0.206 mi.)	BK445	1109
Not reported	188 7TH AVE	WSW 1/8 - 1/4 (0.222 mi.)	CE523	1315
Not reported	242 W 27TH ST	NNW 1/8 - 1/4 (0.228 mi.)	CF541	1351
Not reported	178 7TH AVE	WSW 1/8 - 1/4 (0.243 mi.)	CX601	1492

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 25 records.

Site Name	Database(s)
CON EDISION - MH4706	RCRA NonGen / NLR, NY MANIFEST
CON EDISION - MH38210	RCRA NonGen / NLR, NY MANIFEST
FORMER LOCKPORT AIR FORCE THE	RCRA NonGen / NLR, NY MANIFEST
NYSDOT BIN 1005150	RCRA NonGen / NLR, NY MANIFEST
VERIZON NEW YORK INC. MANHOLE	NY MANIFEST
RIVERSIDE PARK	RCRA-SQG, NY MANIFEST, NJ MANIFEST
BELL ATLANTIC NY	NY MANIFEST
BELL ATLANTIC NY	NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
HUDSON RIVER PARK TRUST	RCRA NonGen / NLR, NY MANIFEST
SUNOHIO PCBX UNIT LONG ISLAND RAIL	RCRA NonGen / NLR, NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
LAW & ORDER PRODUCTIONS	RCRA-CESQG, NY MANIFEST, NJ MANIFEST
MEGA ART	RCRA NonGen / NLR, NY MANIFEST
VS3610	RCRA NonGen / NLR, NY MANIFEST
MH51640	RCRA NonGen / NLR, NY MANIFEST
NYC DOS WEST 30TH STREET RECYCLING	NY SWF/LF
NYSDOT BIN 107706C	RCRA-LQG
NYSDOT BIN 107706A	RCRA-LQG
NYSDOT BIN 107706B	RCRA-LQG
VERIZON NEW YORK INC	RCRA NonGen / NLR
BELL ATLANTIC-NY	RCRA NonGen / NLR
59TH GENERATION STATION	NY Spills
PINE PLAZA SHOPPING CENTER	NJ VCP

OVERVIEW MAP - 4124383.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 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: 112 West 25th Street	CLIENT: Partner Engineering and Science, Inc.
ADDRESS: 112 West 25th Street New York NY 10001	CONTACT: Diana Guzman
LAT/LONG: 40.7443 / 73.9928	INQUIRY #: 4124383.2s
	DATE: November 03, 2014 7:03 pm

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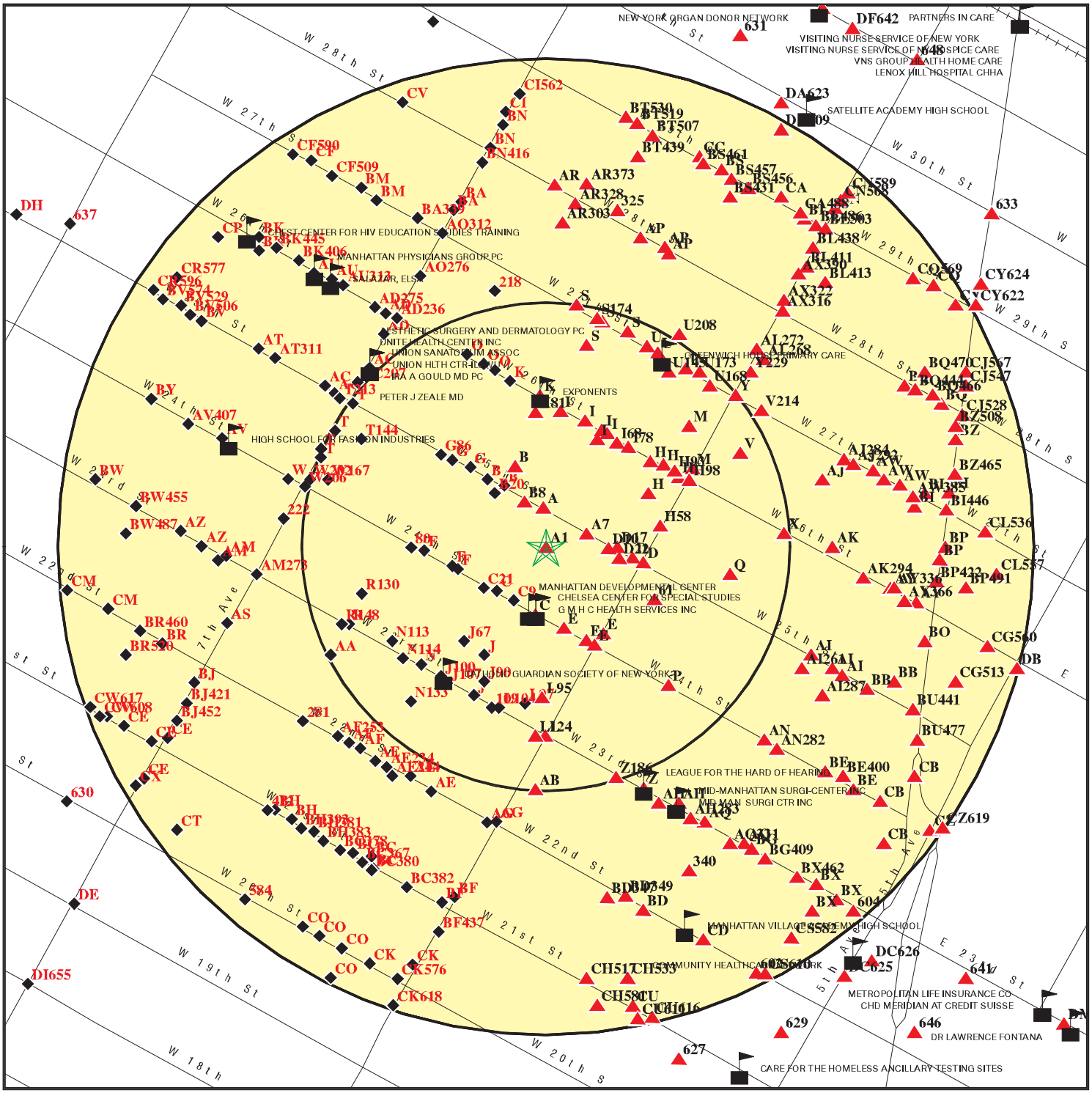
DETAIL MAP - 4124383.2S



- 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
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone

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: 112 West 25th Street	CLIENT: Partner Engineering and Science, Inc.
ADDRESS: 112 West 25th Street New York NY 10001	CONTACT: Diana Guzman
LAT/LONG: 40.7443 / 73.9928	INQUIRY #: 4124383.2s
	DATE: November 03, 2014 7:07 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	1	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	1	2	NR	NR	3
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	2	NR	NR	NR	2
RCRA-SQG	0.250		1	6	NR	NR	NR	7
RCRA-CESQG	0.250		4	12	NR	NR	NR	16
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	1	0	0	NR	1
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
NY LTANKS	0.500		15	21	91	NR	NR	127
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
State and tribal registered storage tank lists								
NY TANKS	0.250		1	0	NR	NR	NR	1
NY UST	0.250		5	14	NR	NR	NR	19
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY AST	0.250		65	161	NR	NR	NR	226
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY ENG CONTROLS	0.500		0	0	0	NR	NR	0
NY INST CONTROL	0.500		0	0	0	NR	NR	0
NY RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	1	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		7	14	NR	NR	NR	21
NY HIST AST	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		42	NR	NR	NR	NR	42
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		17	62	NR	NR	NR	79
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	1	NR	1
ROD	1.000		0	0	0	1	NR	1
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	1	2	NR	NR	3
NY UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		23	134	NR	NR	NR	157
NJ MANIFEST	0.250		0	11	NR	NR	NR	11
RI MANIFEST	0.250		1	0	NR	NR	NR	1
NY DRYCLEANERS	0.250		2	3	NR	NR	NR	5
NY SPDES	TP		NR	NR	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125		16	NR	NR	NR	NR	16
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	4	NR	4
EDR US Hist Auto Stat	0.250	1	11	30	NR	NR	NR	42
EDR US Hist Cleaners	0.250		12	24	NR	NR	NR	36
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA LF	TP		NR	NR	NR	NR	NR	0
NY RGA HWS	TP		NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property
112 W 25TH ST
NEW YORK, NY 10001

EDR US Hist Auto Stat **1015160616**
N/A

Site 1 of 7 in cluster A

Actual: 35 ft.

EDR Historical Auto Stations:

Name: JAMIES AUTO BODY
Year: 1999
Address: 112 W 25TH ST

Name: JAMIES AUTO BODY
Year: 2000
Address: 112 W 25TH ST

Name: JAMIES AUTO BODY
Year: 2001
Address: 112 W 25TH ST

Name: JAMIES AUTO BODY
Year: 2002
Address: 112 W 25TH ST

Name: JAMIES AUTO BODY
Year: 2005
Address: 112 W 25TH ST

Name: JAMIES AUTO BODY
Year: 2006
Address: 112 W 25TH ST

Name: JAMIES AUTO BODY
Year: 2007
Address: 112 W 25TH ST

Name: JAMIES AUTO BODY
Year: 2008
Address: 112 W 25TH ST

Name: NY TOWING & AUTO REPAIR
Year: 2011
Address: 112 W 25TH ST

Name: NY TOWING & AUTO REPAIR
Year: 2012
Address: 112 W 25TH ST

NPL
Region West
1/2-1
4920 ft.

HUDSON RIVER PCBS
NO STREET APPLICABLE
HUDSON RIVER, NY 12839

NPL **1000384273**
CERCLIS **NYD980763841**
RCRA-LQG
US ENG CONTROLS
US INST CONTROL
CONSENT
ROD
NY Spills
PRP

NPL:
EPA ID: NYD980763841
EPA Region: 02

HUDSON RIVER PCBS (Continued) **1000384273**

Federal: N
Final Date: 1984-09-21 00:00:00

Category Details:
NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-<= 10 Feet
Category Value: 0

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

Site Details:
Site Name: HUDSON RIVER PCBS
Site Status: Final
Site Zip: 12801
Site City: HUDSON RIVER
Site State: NY
Federal Site: No
Site County: WASHINGTON
EPA Region: 02
Date Proposed: 09/08/83
Date Deleted: Not reported
Date Finalized: 09/21/84

Substance Details:
NPL Status: Currently on the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: A046
Substance: POLYCHLORINATED BIPHENYLS
CAS #: 1336-36-3
Pathway: AIR PATHWAY
Scoring: 4

NPL Status: Currently on the Final NPL
Substance ID: A046
Substance: POLYCHLORINATED BIPHENYLS
CAS #: 1336-36-3
Pathway: SURFACE WATER PATHWAY
Scoring: 4

Summary Details:

Conditions at listing September 1983): The Hudson River PCBs Site is a 40-mile stretch of the Hudson River between Mechanicville and Fort Edward, New York. General Electric Co. discharged an estimated l.l million pounds of PCBs into this stretch of river. The State has identified 40 hot spots, defined as sediments contaminated with greater than 50 parts per million ppm) of PCBs. Also included in the site are five remnant areas, which are river sediments exposed when thelevel of the river was lowered due to removal

HUDSON RIVER PCBS (Continued) **1000384273**

of the Fort Edward Dam. The State has taken initial measures to stabili e the remnant areas from erosion. In September 1980, Congress passed an amendment to the Clean Water Act CWA) that included the Hudson River PCB Reclamation Demonstration Project. Under this legislation, the EPA Administrator could authori e a 75 percent grant, not to exceed 20 million. EPA issued a final Environmental Impact Statement in October 1982 evaluating various dredging alternatives for a demonstration project. EPA has prepared a feasibility study to evaluate alternative remedial actions under CERCLA. The Administrator has determined that CERCLA funds may be used for remedial action atthe remnant areas and for evaluating the effectiveness of the water supply system at Waterford, New York. Status June 1984): EPA has completed a draft feasibility study identifying alternatives for remedial action. A search for partiespotentially responsible for wastes associated with the site has been completed, and EPA has sent letters to two potentially responsible parties notifying them of possible legal action under CERCLA.

Site Status Details:

NPL Status:	Final
Proposed Date:	09/08/1983
Final Date:	09/21/1984
Deleted Date:	Not reported

Narratives Details:

NPL Name:	HUDSON RIVER PCBS
City:	HUDSON RIVER
State:	NY

CERCLIS:

Site ID:	0202229
EPA ID:	NYD980763841
Facility County:	WASHINGTON
Short Name:	HUDSON RIVER PCBS
Congressional District:	21
IFMS ID:	0284
SMSA Number:	2975
USGC Hydro Unit:	02020003
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	N
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	Not reported
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	02
Classification:	Waterways/Creeks/Rivers
Site Settings Code:	SU
NPL Status:	Currently on the Final NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	Not reported
Non NPL Status Date:	/ /
Site Fips Code:	36115
CC Concurrence Date:	/ /

HUDSON RIVER PCBS (Continued) **1000384273**

CC Concurrence FY: Not reported
Alias EPA ID: Not reported
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):
Contact ID: 13002796.00000
Contact Name: JENNIFER LAPOMA
Contact Tel: (212) 637-4328
Contact Title: Remedial Project Manager (RPM)
Contact Email: Not reported

CERCLIS Site Alias Name(s):
Alias ID: 101
Alias Name: HUDSON RIVER PCBS
Alias Address: Not reported
WARREN, NY
Alias ID: 102
Alias Name: HUDSON RIVER PCBS
Alias Address: NO STREET APPLICABLE
NO CITY APPLICABLE, NY 12801
Alias ID: 103
Alias Name: HUDSON RIVER PCBS
Alias Address: NO STREET APPLICABLE
HUDSON RIVER, NY 12801
Alias Comments: Not reported
Site Description: The Hudson River PCBs Site includes a nearly 200 river-mile stretch of the Hudson River in eastern New York State from the Village of Hudson Falls to the Battery in New York City. The Hudson River has been designated an American Heritage River because of its important role in American history and culture. This federal Superfund Record of Decision (ROD) addresses the risks to people and ecological receptors associated with polychlorinated biphenyls (PCBs) in the in-place sediments of the Upper Hudson River. The Site is divided into the Upper Hudson River which is the length of river between Hudson Falls and the Federal Dam at Troy, New York and the Lower Hudson River which is the length of river between Federal Dam at Troy and the Battery. For purposes of this project, EPA further divided the Upper Hudson River area into three main sections known as River Section 1, River Section 2, and River Section 3. The Site also includes five Remnant Deposits, which are areas of PCB-contaminated sediment that became exposed after the river water level dropped following removal of the Fort Edward Dam in 1973. The Upper Hudson River portion of the Site extends from the Fenimore Bridge in Hudson Falls to the Federal Dam at Troy, a distance of just over 43 river miles. The Lower Hudson River extends from the Federal Dam to the southern tip of Manhattan at the Battery in New York City. The Mid-Hudson River, which is primarily a subset of the Lower Hudson River, extends from the Federal Dam at Troy to just south of Poughkeepsie. The predominant sources of PCB contamination to the Upper Hudson River were two capacitor manufacturing plants owned and operated by GE. The plants are located adjacent to or near the Hudson River in the Village of Hudson Falls and the Town of Fort Edward. Over a 30-year period, the plants discharged a substantial amount of PCBs into the river. At the GE Hudson Falls plant, leakage of non-aqueous phase PCB-bearing oils through bedrock to the river continues to be a source of PCB contamination. Regarding the former outfall to the Hudson River from the GE Fort Edward plant, New York State Department of Environmental Conservation (NYSDEC) issued a Record of Decision in January 2000 that calls for the excavation of PCB-contaminated soil and sediment in this area of the Upper Hudson River shoreline in order to eliminate

HUDSON RIVER PCBS (Continued) **1000384273**

this source of PCBs to the river. EPA's analysis assumes a significantly reduced PCB loading to the river from these sources once the State's plans for remediation are implemented. PCBs, the chemicals of concern addressed in this decision document, have been classified by EPA as probable human carcinogens. They are also linked to other serious non- cancer adverse health effects based on observations in animals and emerging evidence in humans. Once discharged from the GE plants, the PCBs adhered to river sediment and accumulated downstream as they settled in impounded pools and other depositional areas. Historic fish and sediment data indicated PCBs were accumulating downstream of the old Fort Edward Dam as well as accumulating behind the dam. The removal of the dam in 1973 resulted in a remobilization and downstream distribution of PCBs that had accumulated behind the dam. Historically, the highest PCB sediment concentrations have been detected in the cohesive sediments within the Upper Hudson River. River scouring/ erosion and other mechanisms have mobilized PCB- contaminated sediments from the extensive cohesive deposits, redepositing them farther downstream all the way to the Battery. The preponderance of data indicates that burial of contaminated sediment by cleaner materials is not universally or uniformly occurring. Data also indicate that contaminated sediments in River Sections 1, 2 and 3 continue to serve as the major source of PCBs to the water column and the fish within the Upper Hudson River. During an approximate 30-year period ending in 1977, PCBs were used in capacitor manufacturing operations Hudson Falls and Fort Edward, New York facilities. PCB oils were discharged both directly and indirectly from these plants into the Hudson River. This included both non-permitted and permitted discharges. Even after permits were received in 1975, permit exceedances occurred. Estimates of the total quantity of PCBs discharged directly from the two plants into the river from the 1940s to 1977 are as high as 1,330,000 pounds (about 605,000 kg). Many of the PCBs discharged to the river adhered to sediments and accumulated with the sediments as they settled in the impounded pool behind the Fort Edward Dam, as well as other depositional areas farther downstream. Because of its deteriorating condition, the Fort Edward Dam was removed in 1973. Five areas of PCB-contaminated sediments were exposed due to the lowering of the river water level when the Fort Edward Dam was removed. These five areas are known as the Remnant Deposits. During subsequent floods, PCB-contaminated sediments from the Fort Edward Dam area were scoured and transported downstream. EPA notified the company that had the two plants of the remedy selected in the 1984 ROD and offered the company the opportunity to implement the selected remedy with respect to the Remnant Deposits and the Waterford drinking water supply evaluation. The company declined EPA's offer. NYSDEC, with funding provided by EPA, conducted the evaluation at the Waterford Water Works. In addition, NYSDEC prepared a design for the in- place containment of the Remnant Deposits. This design was completed in 1988. In March 1989, the company offered to assume responsibility for the implementation of the in-place containment remedy for the Remnant Deposits. EPA issued a September 27, 1989 Administrative Order on Consent to the company which required the company to prepare a remedial design report for the construction of access roads to the Remnant Deposits and to submit a design for the in-place containment of the Remnant Deposits incorporating the NYSDEC-prepared design, plus any EPA-approved refinements to that design. EPA also issued a September 27, 1989 Administrative Order to the company requiring the company to construct and maintain the access roads to the Remnant Deposits. The company constructed the in-place containment of the Remnant Deposits under a 1990 Consent Decree with EPA. EPA will evaluate the need for further remedial action for the Remnant Deposits after completion of a 5-year review of the Remnant Deposit containment remedy, performed pursuant to CERCLA ?121(c). The company's manufacturing plants in Hudson Falls and Fort Edward are listed under the New York State Inactive Hazardous Waste Disposal

HUDSON RIVER PCBS (Continued) **1000384273**

Sites Remedial program. The company currently is conducting remedial activities near the Hudson Falls and Fort Edward plants pursuant to Orders on Consent with NYSDEC. The company has thus far declined to implement the January 2000 NYSDEC Record of Decision for the Fort Edward plant Outfall 004. The NYSDEC is conducting the remedial design for that ROD. As one of America's great rivers, the Hudson has played and will continue to play a major role in the history, culture, and economy of the area. The Hudson has been designated an American Heritage River because of its important role in American history and culture. Current and reasonably-anticipated future land use and surface water use are described below. Current land use includes a variety of residential, commercial and industrial activities. Use of the river and lands surrounding the river are projected to remain the same. At this time, no changes in future land use are known, nor are any new uses expected. The Site passes through 14 different counties as the river flows to its final discharge point in New York Harbor. Four counties (Albany, Washington, Rensselaer, and Saratoga) lie adjacent to the more highly contaminated portions (areas of proposed active remediation in River Sections 1, 2 and 3) of the Upper Hudson River between Troy (Federal Dam) and Hudson Falls. Within these four counties, forests and farmlands surround urban centers and historic villages. There are apple orchards and dairy farms, parks, nature preserves and gardens. In addition to the GE Hudson Falls and Fort Edward plants, the area is home to technology companies, oil service companies and food companies. Saratoga and Washington Counties have experienced population growth between 1990 and 1999 of 10.2 percent and 1.4 percent, respectively, while Rensselaer and Albany Counties have experienced population declines of 1.9 percent and 0.3 percent, respectively. Total population of these four counties, according to July 1999 estimates by the US Department of Commerce Bureau of the Census, is just under 700,000. Warren County, in which the City of Glens Falls is located, has a population of just over 60,000 and is just to the northwest of the Hudson River PCBs Site. A Record of Decision (ROD) addressing operable unit 1 (OU 01) was completed in September 1984. A Record of Decision addressing OU 2 was completed in February 2002.

CERCLIS Assessment History:

Action Code:	001
Action:	DISCOVERY
Date Started:	/ /
Date Completed:	07/01/83
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	SITE INSPECTION
Date Started:	08/01/83
Date Completed:	09/01/83
Priority Level:	Higher priority for further assessment
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 09/01/83
Priority Level: Low priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started: / /
Date Completed: 09/08/83
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started: / /
Date Completed: 11/15/83
Priority Level: Search Complete, Viable PRPs
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started: / /
Date Completed: 09/21/84
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

HUDSON RIVER PCBS (Continued) **1000384273**

Action Code:	001
Action:	COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	03/30/84
Date Completed:	09/25/84
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	RECORD OF DECISION
Date Started:	/ /
Date Completed:	09/25/84
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	10/27/83
Date Completed:	09/28/84
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	ADMINISTATIVE/VOLUNTARY COST RECOVERY
Date Started:	/ /
Date Completed:	05/04/88
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	REMEDIAL DESIGN
Date Started:	02/02/89
Date Completed:	06/05/89

HUDSON RIVER PCBS (Continued) **1000384273**

Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Original Action Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	06/09/89
Date Completed:	09/27/89
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Alternate
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	06/09/89
Date Completed:	09/27/89
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	/ /
Date Completed:	09/27/89
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	UNILATERAL ADMIN ORDER
Date Started:	/ /
Date Completed:	09/27/89
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary

HUDSON RIVER PCBS (Continued) **1000384273**

Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started: 03/03/89
Date Completed: 04/06/90
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Alternate
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMEDIAL DESIGN
Date Started: 09/28/84
Date Completed: 05/18/90
Priority Level: Not reported
Operable Unit: REMNANT DEPOSIT CAPPING
Primary Responsibility: State, Fund Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Original Action Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Lodged By DOJ
Date Started: / /
Date Completed: 05/18/90
Priority Level: Not reported
Operable Unit: REMNANT DEPOSIT CAPPING
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: CONSENT DECREE
Date Started: 04/06/90
Date Completed: 07/21/90
Priority Level: Not reported
Operable Unit: REMNANT DEPOSIT CAPPING
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

HUDSON RIVER PCBS (Continued) **1000384273**

Action Code:	001
Action:	REMOVAL ASSESSMENT
Date Started:	04/17/90
Date Completed:	08/21/90
Priority Level:	Stabilized
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	09/27/89
Date Completed:	09/28/90
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	Responsible Party
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	New Action Resulting from Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS
Date Started:	03/12/90
Date Completed:	10/04/90
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Alternate
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	05/18/89
Date Completed:	01/07/91
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	Responsible Party
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	New Action Resulting from Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started:	10/13/89
Date Completed:	09/29/92
Priority Level:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Operable Unit: REMNANT DEPOSIT CAPPING
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started: 09/28/90
Date Completed: 09/29/92
Priority Level: Not reported
Operable Unit: REMNANT DEPOSIT CAPPING
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMOVAL ASSESSMENT
Date Started: 11/19/92
Date Completed: 12/01/92
Priority Level: Stabilized
Operable Unit: ROGER'S ISLAND
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: COMFORT/STATUS LETTER
Date Started: / /
Date Completed: 11/02/98
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: REMOVAL ASSESSMENT
Date Started: 10/14/98
Date Completed: 01/07/99
Priority Level: Not reported
Operable Unit: ROGER'S ISLAND
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	REMOVAL ASSESSMENT
Date Started:	06/03/98
Date Completed:	06/24/99
Priority Level:	Not reported
Operable Unit:	ROGER'S ISLAND
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	Public Notice Published
Date Started:	/ /
Date Completed:	03/28/00
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMOVAL
Date Started:	10/06/99
Date Completed:	09/14/01
Priority Level:	Stabilized
Operable Unit:	ROGER'S ISLAND
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	07/25/90
Date Completed:	02/01/02
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	RECORD OF DECISION
Date Started:	/ /
Date Completed:	02/01/02

HUDSON RIVER PCBS (Continued) **1000384273**

Priority Level:	Final Remedy Selected at Site
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	Special Notice Issued
Date Started:	/ /
Date Completed:	02/04/02
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	Special Notice Issued
Date Started:	/ /
Date Completed:	02/04/02
Priority Level:	Not reported
Operable Unit:	FLOODPLAINS OU
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	Special Notice Issued
Date Started:	/ /
Date Completed:	02/04/02
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	005
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	02/04/02
Date Completed:	07/23/02
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement

HUDSON RIVER PCBS (Continued) **1000384273**

Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	/ /
Date Completed:	07/23/02
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	006
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	07/23/02
Date Completed:	08/13/03
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	/ /
Date Completed:	08/13/03
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	EXPANDED SITE INSPECTION/REMEDIAL INVESTIGATION
Date Started:	/ /
Date Completed:	08/31/05
Priority Level:	Referred to Removal, no further Rmdl Asmt
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code:	007
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	02/04/02
Date Completed:	09/06/05
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	TECHNICAL ASSISTANCE GRANT
Date Started:	09/29/95
Date Completed:	09/20/05
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	Lodged By DOJ
Date Started:	/ /
Date Completed:	10/06/05
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	COMMUNITY INVOLVEMENT
Date Started:	03/25/02
Date Completed:	11/02/06
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Remedial
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	CONSENT DECREE

HUDSON RIVER PCBS (Continued) **1000384273**

Date Started:	09/06/05
Date Completed:	11/02/06
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	UNILATERAL ADMIN ORDER
Date Started:	/ /
Date Completed:	03/29/07
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	STATE SUPPORT AGENCY COOPERATIVE AGREEMENT
Date Started:	02/22/91
Date Completed:	04/03/07
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMOVAL NEGOTIATIONS
Date Started:	/ /
Date Completed:	07/11/07
Priority Level:	Not reported
Operable Unit:	FLOODPLAINS OU
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	005
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	/ /
Date Completed:	07/11/07
Priority Level:	Not reported
Operable Unit:	FLOODPLAINS OU

HUDSON RIVER PCBS (Continued) **1000384273**

Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started: 08/24/07
Date Completed: 08/27/07
Priority Level: Cleaned up
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Emergency
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started: 08/14/03
Date Completed: 01/25/08
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Phased Start

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: SECTION 104(E) REF LITIGATION
Date Started: 09/27/07
Date Completed: 07/28/08
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 09/05/08
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	UNILATERAL ADMIN ORDER
Date Started:	/ /
Date Completed:	09/05/08
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS
Date Started:	02/04/02
Date Completed:	09/08/08
Priority Level:	Not reported
Operable Unit:	FLOODPLAINS OU
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	006
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	/ /
Date Completed:	09/08/08
Priority Level:	Not reported
Operable Unit:	FLOODPLAINS OU
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	005
Action:	UNILATERAL ADMIN ORDER
Date Started:	/ /
Date Completed:	09/11/08
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

HUDSON RIVER PCBS (Continued) **1000384273**

Action Code:	006
Action:	UNILATERAL ADMIN ORDER
Date Started:	/ /
Date Completed:	10/14/08
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	007
Action:	UNILATERAL ADMIN ORDER
Date Started:	/ /
Date Completed:	02/03/09
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	REMEDIAL ACTION
Date Started:	05/09/08
Date Completed:	11/24/09
Priority Level:	Final RA Report
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Special Account Financed Action - EPA
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	REMEDIAL ACTION
Date Started:	12/04/08
Date Completed:	12/23/09
Priority Level:	Final RA Report
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Special Account Financed Action - EPA
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	006
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	08/14/03
Date Completed:	04/26/11
Priority Level:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started: 09/11/07
Date Completed: 04/10/12
Priority Level: Stabilized
Operable Unit: FLOODPLAINS OU
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FIVE-YEAR REVIEW
Date Started: / /
Date Completed: 06/01/12
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started: 09/06/05
Date Completed: 09/04/12
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: TECHNICAL ASSISTANCE
Date Started: 09/30/97
Date Completed: / /
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	REMEDIAL DESIGN
Date Started:	02/15/02
Date Completed:	/ /
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Special Account Financed Action - EPA
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Other Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	07/23/02
Date Completed:	/ /
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Responsible Party
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Phased Start & Completion

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	TECHNICAL ASSISTANCE
Date Started:	07/08/03
Date Completed:	/ /
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMEDIAL ACTION
Date Started:	01/19/07
Date Completed:	/ /
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Special Account Financed Action - State
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Other Start and Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REAL PROPERTY ACQUISITION
Date Started:	02/15/08
Date Completed:	/ /
Priority Level:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Not reported
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 09/08/08
Date Completed: / /
Priority Level: Not reported
Operable Unit: FLOODPLAINS OU
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: TECHNICAL ASSISTANCE GRANT
Date Started: 11/17/09
Date Completed: / /
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started: 12/31/10
Date Completed: / /
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:
Fed Register Date: 09/21/84
Fed Register Volume: 49
Page Number: 37070

Fed Register Date: 09/08/83
Fed Register Volume: 48
Page Number: 40674

Click this hyperlink while viewing on your computer to access
3292 additional US CERCLIS Financial: record(s) in the EDR Site Report.

HUDSON RIVER PCBS (Continued) **1000384273**

RCRA-LQG:

Date form received by agency:	03/01/2012
Facility name:	GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Facility address:	446 LOCK 8 WAY HUDSON FALLS, NY 12839
EPA ID:	NYD980763841
Mailing address:	BROADWAY, BLDG 40 FORT EDWARD, NY 12828
Contact:	ROBERT G GIBSON
Contact address:	BROADWAY, BLDG 40 FORT EDWARD, NY 12828
Contact country:	US
Contact telephone:	(518) 746-5253
Contact email:	BOB.GIBSON@GE.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	GENERAL ELECTRIC COMPANY
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	04/23/2007
Owner/Op end date:	Not reported
Owner/operator name:	SEE SECTION 11 COMMENTS
Owner/operator address:	Not reported NY
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	05/02/2007
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

HUDSON RIVER PCBS (Continued) **1000384273**

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/03/2010
Site name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Classification: Large Quantity Generator

Date form received by agency: 08/29/2008
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) SUPERFUND USEPA
Classification: Large Quantity Generator

Date form received by agency: 01/01/2007
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Classification: Not a generator, verified

Date form received by agency: 01/01/2001
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: B002
Waste name: B002

Waste code: B007
Waste name: B007

Violation Status: No violations found

US ENG CONTROLS:
EPA ID: NYD980763841
Site ID: 0202229
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
HUDSON RIVER, NY 12801
EPA Region: 02
County: WASHINGTON
Event Code: Not reported
Actual Date: 12/30/2001

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/25/1984

HUDSON RIVER PCBS (Continued) **1000384273**

Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Containment, (N.O.S.)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/25/1984
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: No Action

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/25/1984
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Revegetation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/25/1984
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Slope Stabilization

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/2002
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Dewatering

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/2002
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Disposal

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/2002
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Excavation

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/2002
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Solidification/Stabilization (Ex-Situ)

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/2002
Operable Unit: 02

HUDSON RIVER PCBS (Continued) **1000384273**

Contaminated Media : Surface Water
Engineering Control: Monitoring

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/2002
Operable Unit: 02
Contaminated Media : Surface Water
Engineering Control: Natural Attenuation

US INST CONTROL:
EPA ID: NYD980763841
Site ID: 0202229
Name: HUDSON RIVER PCBS
Action Name: RECORD OF DECISION
Address: NO STREET APPLICABLE
HUDSON RIVER, NY 12801
EPA Region: 02
County: WASHINGTON
Event Code: Not reported
Inst. Control: Fishing Advisory
Actual Date: 12/30/2001
Complet. Date: 02/01/2002
Operable Unit: 02
Contaminated Media : Surface Water

CONSENT:
EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North
Entered Date: 11/02/06
Full-text of the consent decree for this site issued by the United States District Court is available from EDR. Contact your EDR Account Executive.

ROD:
Full-text of USEPA Record of Decision(s) is available from EDR.

SPILLS:
Facility ID: 0308107
Facility Type: ER
DER Facility ID: 278391
Site ID: 237813
DEC Region: 3
Spill Date: 10/31/2003
Spill Number/Closed Date: 0308107 / 10/31/2003
Spill Cause: Abandoned Drums
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 6000
Investigator: rxamato

HUDSON RIVER PCBS (Continued) **1000384273**

Referred To:	Not reported
Reported to Dept:	10/31/2003
CID:	297
Water Affected:	HUDSON RIVER
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/31/2003
Spill Record Last Update:	11/6/2003
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	PETTY OFFFICER HAWKINS
Contact Phone:	(718) 354-4121
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SMITH"10/31/03: MEG hired by USCG to remove test and dispose. Container did not leak.
Remarks:	CALL TO NRC REPORTING A 55 GALLON DRUM OF UNKNOWN PETROLEUM FLOATING - USCG IS REPOSNDING TO THE SITE

Material:

Site ID:	237813
Operable Unit ID:	874400
Operable Unit:	01
Material ID:	501630
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	55
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

PRP:

PRP name: DELAWARE AND HUDSON RAILWAY CO INC
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GOLUB PROPERTIES OF WATERVLIET INC
NEW YORK STATE CANAL CORPORATION

HUDSON RIVER PCBS (Continued) **1000384273**

NIAGARA MOHAWK POWER COMPANY
TOWN OF HALFMOON NEW YORK
VILLAGE OF STILLWATER
WATER COMMISSIONERS OF THE TOWN OF WATERFORD

A2 **130 W 25TH ST** **NY AST** **U003391596**
North **130 WEST 25TH STREET** **NY HIST AST** **N/A**
< 1/8 **NEW YORK, NY 10001**
0.017 mi.
90 ft. **Site 2 of 7 in cluster A**

Relative:
Higher

Actual:
36 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-401765
Program Type:	PBS
UTM X:	585069.41527
UTM Y:	4510894.6581100002
Expiration Date:	10/06/2017
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id:	19219
Affiliation Type:	Facility Owner
Company Name:	25 BUILDING ASSOCIATES LLC
Contact Type:	PARTNER
Contact Name:	GARY TANNENBAUM
Address1:	135 WEST 26TH STREET, #11
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10001
Country Code:	001
Phone:	(212) 243-6200 11
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	10/23/2012

Site Id:	19219
Affiliation Type:	Mail Contact
Company Name:	MILTAN MANAGEMENT CORP.
Contact Type:	Not reported
Contact Name:	GARY TANNENBAUM
Address1:	135 WEST 26TH STREET
Address2:	#11
City:	NEW YORK
State:	NY
Zip Code:	10001
Country Code:	001
Phone:	(212) 243-6200 11
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	7/26/2006

Site Id:	19219

130 W 25TH ST (Continued) **U003391596**

Affiliation Type:	On-Site Operator
Company Name:	130 WEST 25 STREET
Contact Type:	Not reported
Contact Name:	BALRAM PRAIMRAJ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 243-0646
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	10/23/2012

Site Id:	19219
Affiliation Type:	Emergency Contact
Company Name:	25 BUILDING ASSOCIATES LLC
Contact Type:	Not reported
Contact Name:	BALRAM PRAIMRAJ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 247-7508
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	10/23/2012

Tank Info:

Tank Number:	001
Tank Id:	21858
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

E04 - Piping Secondary Containment - Double-Walled (Underground)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported

130 W 25TH ST (Continued) **U003391596**

Install Date:	01/01/1960
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	07/31/2007
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-401765
SWIS Code:	6201
Operator:	CARMELO FILIPPINO
Facility Phone:	(212) 243-0646
Facility Addr2:	130 WEST 25TH STREET
Facility Type:	OTHER
Emergency:	CARMELO FILIPPINO
Emergency Tel:	(718) 646-5409
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	25 BUILDING ASSOCIATES LLC
Owner Address:	135 WEST 26TH STREET, #11E
Owner City,St,Zip:	NEW YORK, NY 10001
Federal ID:	Not reported
Owner Tel:	(212) 243-6200
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	GARY TANNENBAUM
Mailing Name:	MILTAN MANAGEMENT CORP
Mailing Address:	135 WEST 26TH STREET, #11E
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10001
Mailing Telephone:	(212) 243-6200
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	12/07/1999
Expiration:	10/06/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

130 W 25TH ST (Continued) **U003391596**

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

A3 **VAULT #8296** **NY Spills** **S105057064**
North **133 WEST 25TH ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.018 mi.
94 ft. **Site 3 of 7 in cluster A**

Relative:
Higher

Actual:
36 ft.

SPILLS:

Facility ID:	0101259
Facility Type:	ER
DER Facility ID:	91019
Site ID:	102794
DEC Region:	2
Spill Date:	5/2/2001
Spill Number/Closed Date:	0101259 / 6/19/2001
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	5/2/2001
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

VAULT #8296 (Continued) **S105057064**

Date Entered In Computer:	5/2/2001
Spill Record Last Update:	6/20/2001
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, NY
Spiller Company:	999
Contact Name:	PETE MCGUIRE
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Remarks:	FIRE DEPT ON SCENE DUE TO FIRE AND SMOKE IN THE VAULT LISTED ABOVE.NO SEWERS OR WATERWAYS AFFECTED. CON ED # NOT AVAILABLE AT THIS TIME.

Material:

Site ID:	102794
Operable Unit ID:	838158
Operable Unit:	01
Material ID:	536965
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A4
North
< 1/8
0.020 mi.
104 ft.

Relative:
Higher

Actual:
35 ft.

CON EDISION - V8296 **RCRA NonGen / NLR** **1007208082**
135 W 25ST 135 W 25ST **NY MANIFEST** **NYP004081592**
NEW YORK, NY 10003

Site 4 of 7 in cluster A

RCRA NonGen / NLR:

Date form received by agency:	06/02/2002
Facility name:	CON EDISION - V8296
Facility address:	135 W 25ST 135 W 25ST NEW YORK, NY 10003
EPA ID:	NYP004081592
Mailing address:	IRVING PLACE NEW YORK, NY 10003
Contact:	ANTHONY DRUMMINGS
Contact address:	IRVING PLACE NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

CON EDISION - V8296 (Continued) **1007208082**

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	06/01/2002
Site name:	CON EDISION - V8296
Classification:	Not a generator, verified
Date form received by agency:	05/31/2002
Site name:	CON EDISION - V8296
Classification:	Large Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004081592
Country:	USA

Mailing Info:

Name:	CONSOLIDATED EDISON
Contact:	FRANKLIN MURRAY
Address:	4 IRVING PLACE RM 828
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-2808

Manifest:

Document ID:	NYE0710028
Manifest Status:	Not reported
Trans1 State ID:	SM1709
Trans2 State ID:	Not reported
Generator Ship Date:	05/03/2001
Trans1 Recv Date:	05/03/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/03/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004081592
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	07418

CON EDISION - V8296 (Continued) **1007208082**

Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYE0688248
Manifest Status:	Not reported
Trans1 State ID:	SM1709
Trans2 State ID:	Not reported
Generator Ship Date:	07/27/2001
Trans1 Recv Date:	07/27/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/30/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004081592
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	00645
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

A5 **EDR US Hist Auto Stat** **1015209070**
North **133 W 25TH ST** **N/A**
< 1/8 **NEW YORK, NY 10001**
0.020 mi.
107 ft. **Site 5 of 7 in cluster A**

Relative:
Higher

Actual:
35 ft.

EDR Historical Auto Stations:

Name:	ALFONY TOWING & REPAIR
Year:	2004
Address:	133 W 25TH ST

Name:	ALFONY TOWING & REPAIR
Year:	2010
Address:	133 W 25TH ST

Name:	ALFONY TOWING & REPAIR
Year:	2011
Address:	133 W 25TH ST

Name:	ALFONY TOWING & REPAIR
Year:	2012
Address:	133 W 25TH ST

A6 North < 1/8 0.020 mi. 107 ft. | **133 WEST 25TH STREET**
133 WEST 25TH STREET
NEW YORK, NY 10001

Site 6 of 7 in cluster A

NY AST | **U004078338**
N/A

Relative: Higher

Actual: 35 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-606069
Program Type:	PBS
UTM X:	585034.50242000003
UTM Y:	4510895.7233800003
Expiration Date:	06/25/2016
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	27934
Affiliation Type:	Facility Owner
Company Name:	DEZER PROPERTIES VISUAL ARTS LLC
Contact Type:	GENERAL MANAGER
Contact Name:	RICHARD ANGEL
Address1:	89 FIFTH AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10003
Country Code:	001
Phone:	(212) 929-1285
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	3/16/2011

Site Id:	27934
Affiliation Type:	Mail Contact
Company Name:	DEZER PROPERTIES LLC
Contact Type:	Not reported
Contact Name:	RICHARD ANGEL
Address1:	89 FIFTH AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10003
Country Code:	001
Phone:	(212) 929-1285
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	3/16/2011

Site Id:	27934
Affiliation Type:	On-Site Operator
Company Name:	133 WEST 25TH STREET
Contact Type:	Not reported
Contact Name:	KENNY LATSCH
Address1:	Not reported
Address2:	Not reported
City:	Not reported

133 WEST 25TH STREET (Continued) **U004078338**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 255-7421
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	27934
Affiliation Type:	Emergency Contact
Company Name:	DEZER PROPERTIES VISUAL ARTS LLC
Contact Type:	Not reported
Contact Name:	KENNY LATSCH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 837-3456
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	60909
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H99 - Tank Leak Detection - Other
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1955
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True

133 WEST 25TH STREET (Continued) **U004078338**

Modified By: BVCAMPBE
Last Modified: 03/16/2011
Material Name: #2 Fuel Oil (On-Site Consumption)

A7 **119 W 25TH ST** **NY AST** **U000398101**
ENE **119 W 25TH ST** **NY HIST AST** **N/A**
< 1/8 **NEW YORK, NY 10001**
0.022 mi.
116 ft. **Site 7 of 7 in cluster A**

Relative:
Higher

Actual:
37 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Unregulated/Closed
Facility Id: 2-240389
Program Type: PBS
UTM X: 585101.79648000002
UTM Y: 4510891.14432
Expiration Date: 12/23/1991
Site Type: Unknown

Affiliation Records:
Site Id: 9103
Affiliation Type: Facility Owner
Company Name: MR MURRAY FEIT LIFE REALTY CO
Contact Type: Not reported
Contact Name: Not reported
Address1: 119 W 25TH ST
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10001
Country Code: 001
Phone: (212) 255-7633
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 9103
Affiliation Type: Mail Contact
Company Name: MR MURRAY FEIT LIFE REALTY CO
Contact Type: Not reported
Contact Name: Not reported
Address1: 119 W 25TH ST
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10001
Country Code: 001
Phone: (212) 255-7633
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 9103
Affiliation Type: On-Site Operator

119 W 25TH ST (Continued) **U000398101**

Company Name:	119 W 25TH ST
Contact Type:	Not reported
Contact Name:	NEWMARK & CO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 255-7633
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	9103
Affiliation Type:	Emergency Contact
Company Name:	MR MURRAY FEIT LIFE REALTY CO
Contact Type:	Not reported
Contact Name:	MR GARY WEISSBARD NEWMARK & CO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 738-1930
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	40442
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	B00 - Tank External Protection - None
	G99 - Tank Secondary Containment - Other
	H00 - Tank Leak Detection - None
	C00 - Pipe Location - No Piping
	F00 - Pipe External Protection - None
	I04 - Overfill - Product Level Gauge (A/G)
	A00 - Tank Internal Protection - None
	D02 - Pipe Type - Galvanized Steel
	J02 - Dispenser - Suction Dispenser
Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed Prior to Micro Conversion, 03/91
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	6000
Tightness Test Method:	NN

119 W 25TH ST (Continued) **U000398101**

Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-240389
SWIS Code:	6201
Operator:	NEWMARK & CO
Facility Phone:	(212) 255-7633
Facility Addr2:	119 W 25TH ST
Facility Type:	Not reported
Emergency:	MR GARY WEISSBARD NEWMARK & CO
Emergency Tel:	(718) 738-1930
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	MR MURRAY FEIT LIFE REALTY CO
Owner Address:	119 W 25TH ST
Owner City,St,Zip:	NEW YORK, NY 10001
Federal ID:	Not reported
Owner Tel:	(212) 255-7633
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	MR MURRAY FEIT LIFE REALTY CO
Mailing Address:	119 W 25TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10001
Mailing Telephone:	(212) 255-7633
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Certification Flag:	False
Certification Date:	Not reported
Expiration:	12/23/1991
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	Closed Before April 1, 1991

119 W 25TH ST (Continued) **U000398101**

Install Date:	Not reported
Capacity (Gal):	6000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Other
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

B8 **TAMKAT BUILDING CORP.** **NY AST** **A100296245**
NNW **138 WEST 25TH STREET** **N/A**
< 1/8 **NEW YORK, NY 10001**
0.026 mi.
136 ft. **Site 1 of 12 in cluster B**

Relative:
Higher

Actual:
35 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-608240
Program Type:	PBS
UTM X:	585016.05486999999
UTM Y:	4510891.8480000002
Expiration Date:	02/11/2018
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	30092
Affiliation Type:	Facility Owner
Company Name:	TAMKAT BUILDING CORP.
Contact Type:	VP
Contact Name:	OREN PULKA
Address1:	138 W 25TH ST
Address2:	Not reported
City:	NY
State:	NY
Zip Code:	10001
Country Code:	001
Phone:	(718) 786-6877
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2/12/2013

TAMKAT BUILDING CORP. (Continued) **A100296245**

Site Id:	30092
Affiliation Type:	Mail Contact
Company Name:	TAMKAT BUILDING CORP.
Contact Type:	PRESIDENT
Contact Name:	SHAUL PULKA
Address1:	21-21 41ST AVENUE
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 786-6877
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	12/11/2007

Site Id:	30092
Affiliation Type:	On-Site Operator
Company Name:	TAMKAT BUILDING CORP.
Contact Type:	Not reported
Contact Name:	HARRY MARTINEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 366-5739
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	12/11/2007

Site Id:	30092
Affiliation Type:	Emergency Contact
Company Name:	TAMKAT BUILDING CORP.
Contact Type:	Not reported
Contact Name:	HARRY MARTINEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 366-5739
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	12/11/2007

Tank Info:

Tank Number:	001
Tank Id:	64942
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

TAMKAT BUILDING CORP. (Continued) **A100296245**

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	03/08/2002
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	12/11/2007
Material Name:	#2 Fuel Oil (On-Site Consumption)

C9 **127 WEST 24TH ST.** **NY AST** **A100178195**
SSW **127 WEST 24TH ST.** **N/A**
< 1/8 **NEW YORK, NY 10001**
0.032 mi.
169 ft. **Site 1 of 7 in cluster C**

Relative:
Lower

Actual:
34 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-605959
Program Type:	PBS
UTM X:	585047.35565000004
UTM Y:	4510830.2356099999
Expiration Date:	06/07/2016
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	27824
Affiliation Type:	Facility Owner
Company Name:	HORNE BUILDING OWNERS CORP. C/O PARK AVE SOUTH
Contact Type:	MANAGING AGENT
Contact Name:	MITCHELL FUCHS
Address1:	381 PARK AVE SOUTH
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10001
Country Code:	001
Phone:	(212) 889-4406
EMail:	Not reported
Fax Number:	Not reported

127 WEST 24TH ST. (Continued) **A100178195**

Modified By:	MSBAPTIS
Date Last Modified:	4/20/2011

Site Id:	27824
Affiliation Type:	Mail Contact
Company Name:	WELLESLEY CORP
Contact Type:	Not reported
Contact Name:	MITCHELL FUCHS
Address1:	381 PARK AVE SOUTH
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10001
Country Code:	001
Phone:	(212) 889-4406
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/20/2011

Site Id:	27824
Affiliation Type:	On-Site Operator
Company Name:	127 WEST 24TH ST.
Contact Type:	Not reported
Contact Name:	JOSEPH WEGLARZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 691-2834
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	4/5/2006

Site Id:	27824
Affiliation Type:	Emergency Contact
Company Name:	HORNE BUILDING OWNERS CORP.
Contact Type:	Not reported
Contact Name:	CARMINE CASALE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 594-1414
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	4/5/2006

Tank Info:

Tank Number:	001

127 WEST 24TH ST. (Continued) **A100178195**

Tank Id:	60758
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/21/1987
Capacity Gallons:	2500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	04/20/2011
Material Name:	#2 Fuel Oil (On-Site Consumption)

D10 **108 WEST 25 STREET CONDOMINIUM ASSOC.** **NY AST** **U004077770**
East **108-110 WEST 25TH STREET** **N/A**
< 1/8 **NEW YORK, NY 10001**
0.032 mi.
169 ft. **Site 1 of 10 in cluster D**

Relative:
Higher

Actual:
37 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-406848
Program Type:	PBS
UTM X:	585073.20516999997
UTM Y:	4510892.6619499996
Expiration Date:	06/02/2013
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	19670
Affiliation Type:	Facility Owner
Company Name:	108 WEST 25 ST. CONDO. ASSOC.
Contact Type:	ASST SECRETARY
Contact Name:	Not reported
Address1:	108 WEST 25TH ST.
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10001

108 WEST 25 STREET CONDOMINIUM ASSOC. (Continued) **U004077770**

Country Code:	001
Phone:	(718) 375-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	6/25/2008

Site Id:	19670
Affiliation Type:	Mail Contact
Company Name:	108 WEST 25 ST. CONDO. ASSOC.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	C/O ESQUIRE MANAGEMENT CORP.
Address2:	1716 CONEY ISLAND AVE., 4TH FLOOR
City:	BROOKLYN
State:	NY
Zip Code:	11230
Country Code:	001
Phone:	(718) 375-5900
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	6/25/2008

Site Id:	19670
Affiliation Type:	On-Site Operator
Company Name:	108 WEST 25 STREET CONDOMINIUM ASSOC.
Contact Type:	Not reported
Contact Name:	EDDIE SEDA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(347) 924-0572
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	6/25/2008

Site Id:	19670
Affiliation Type:	Emergency Contact
Company Name:	108 WEST 25 ST. CONDO. ASSOC.
Contact Type:	Not reported
Contact Name:	EDDIE SEDA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(347) 924-0572
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	6/25/2008

108 WEST 25 STREET CONDOMINIUM ASSOC. (Continued) **U004077770**

Tank Info:

Tank Number:	001
Tank Id:	23174
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/01/1973
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#6 Fuel Oil (On-Site Consumption)

C11 **BRICK FARMS COOPERATIVE LTD** **NY AST** **U003388125**
SW **131 W 24TH ST** **NY HIST AST** **N/A**
< 1/8 **NEW YORK, NY 10011**
0.033 mi.
173 ft. **Site 2 of 7 in cluster C**

Relative:
Lower

Actual:
34 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-256730
Program Type:	PBS
UTM X:	585038.00970000005
UTM Y:	4510835.2352200001
Expiration Date:	07/10/2017
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	10553
Affiliation Type:	Facility Owner
Company Name:	BRICK FARMS COOPERATIVE LTD
Contact Type:	SECRETARY, BRICK FARMS COOPERATIVE LTD
Contact Name:	JENNIFER MULLER
Address1:	131 W 24TH ST

BRICK FARMS COOPERATIVE LTD (Continued) **U003388125**

Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10011-1901
Country Code:	001
Phone:	(212) 675-5468
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	6/20/2012

Site Id:	10553
Affiliation Type:	Mail Contact
Company Name:	BRICK FARMS COOPERATIVE LTD
Contact Type:	SECRETARY, BRICK FARMS COOPERATIVE LTD
Contact Name:	JENNIFER MULLER
Address1:	131 W 24TH ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10011-1901
Country Code:	001
Phone:	(212) 675-5468
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	6/20/2012

Site Id:	10553
Affiliation Type:	On-Site Operator
Company Name:	BRICK FARMS COOPERATIVE LTD
Contact Type:	Not reported
Contact Name:	BRICK FARMS COOPERATIVE LTD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 675-5468
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	10553
Affiliation Type:	Emergency Contact
Company Name:	BRICK FARMS COOPERATIVE LTD
Contact Type:	Not reported
Contact Name:	JENNIFER MULLER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 675-5468

BRICK FARMS COOPERATIVE LTD (Continued) **U003388125**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	13205
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
B99 - Tank External Protection - Other
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
K99 - Spill Prevention - Other
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1901
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	06/20/2012
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-256730
SWIS Code:	6201
Operator:	BRICK FARMS COOPERATIVE LTD
Facility Phone:	(212) 675-5468
Facility Addr2:	131 W 24TH ST
Facility Type:	APARTMENT BUILDING
Facility Type:	PRIVATE RESIDENCE
Emergency:	ROGER GOODSPEED
Emergency Tel:	(212) 675-5468
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	BRICK FARMS COOPERATIVE LTD
Owner Address:	131 W 24TH ST

BRICK FARMS COOPERATIVE LTD (Continued) **U003388125**

Owner City,St,Zip:	NEW YORK, NY 10011-1901
Federal ID:	Not reported
Owner Tel:	(212) 675-5468
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	ROGER GOODSPEED
Mailing Name:	BRICK FARMS COOPERATIVE LTD
Mailing Address:	131 W 24TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10011-1901
Mailing Telephone:	(212) 675-5468
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/17/1997
Expiration:	07/10/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	1500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	9
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported

BRICK FARMS COOPERATIVE LTD (Continued) **U003388125**

Lat/Long: Not reported

C12 **133 W 24TH ST CORP** **NY AST** **U004077779**
SW **133 WEST 24TH STREET** **N/A**
< 1/8 **NEW YORK, NY 10011**
0.034 mi.
178 ft. **Site 3 of 7 in cluster C**

Relative:
Lower

Actual:
34 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-334936
Program Type:	PBS
UTM X:	585033.33672999998
UTM Y:	4510837.7350399997
Expiration Date:	10/02/2017
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	15950
Affiliation Type:	Facility Owner
Company Name:	133 W 24TH ST CORP
Contact Type:	CO-OWNER
Contact Name:	CHRISTY RUPP
Address1:	133 W 24TH ST
Address2:	Not reported
City:	NEW YORK CITY
State:	NY
Zip Code:	10011
Country Code:	001
Phone:	(212) 929-2524
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	8/20/2012

Site Id:	15950
Affiliation Type:	Mail Contact
Company Name:	133 W 24TH ST CORP
Contact Type:	Not reported
Contact Name:	CHRISTY RUPP
Address1:	133 W 24TH STREET
Address2:	Not reported
City:	NEW YORK CITY
State:	NY
Zip Code:	10011
Country Code:	001
Phone:	(212) 924-8457
EMail:	CHRISTYRUPP@EARTHLINK.NET
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	7/2/2012

Site Id:	15950
Affiliation Type:	On-Site Operator
Company Name:	133 W 24TH ST CORP
Contact Type:	Not reported

133 W 24TH ST CORP (Continued) **U004077779**

Contact Name:	133 W 24TH ST CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 929-2524
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	15950
Affiliation Type:	Emergency Contact
Company Name:	133 W 24TH ST CORP
Contact Type:	Not reported
Contact Name:	OIL COMPANY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 892-7200
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	20919
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

E02 - Piping Secondary Containment - Vault (with Access)
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/01/1981
Capacity Gallons:	2500

133 W 24TH ST CORP (Continued) **U004077779**

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	08/20/2012
Material Name:	#2 Fuel Oil (On-Site Consumption)

C13
SW
< 1/8
0.035 mi.
183 ft.

ALLOFUS TENANTS, INC. **NY AST** **U004076549**
130 WEST 24TH STREET **N/A**
NEW YORK, NY 10011

Site 4 of 7 in cluster C

Relative:
Lower

Actual:
34 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-114375
Program Type:	PBS
UTM X:	585033.41026000003
UTM Y:	4510823.9694699999
Expiration Date:	03/24/2017
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	3735
Affiliation Type:	Facility Owner
Company Name:	ALLOFUS TENANTS, INC.
Contact Type:	MGR
Contact Name:	ERIK MARTINEZ
Address1:	666 BROADWAY, 12FLR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10012
Country Code:	001
Phone:	(212) 382-3600
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/18/2009

Site Id:	3735
Affiliation Type:	Mail Contact
Company Name:	ANDREWS BLDG. CORP
Contact Type:	Not reported
Contact Name:	ERICK MARTINEZ
Address1:	666 BROADWAY, 12TH FLR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10012
Country Code:	001
Phone:	(212) 382-3600
EMail:	EMARTINEZ@ANDREWSBC.COM
Fax Number:	Not reported

ALLOFUS TENANTS, INC. (Continued) **U004076549**

Modified By:	KAKYER
Date Last Modified:	6/21/2012

Site Id:	3735
Affiliation Type:	On-Site Operator
Company Name:	ALLOFUS TENANTS, INC.
Contact Type:	Not reported
Contact Name:	GERMAN R
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 219-5611
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	6/21/2012

Site Id:	3735
Affiliation Type:	Emergency Contact
Company Name:	ALLOFUS TENANTS, INC.
Contact Type:	Not reported
Contact Name:	ANDREWS BLDG
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 529-5688
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/18/2009

Tank Info:

Tank Number:	001
Tank Id:	4082
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
B05 - Tank External Protection - Jacketed
L00 - Piping Leak Detection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
I05 - Overfill - Vent Whistle

ALLOFUS TENANTS, INC. (Continued) **U004076549**

	J02 - Dispenser - Suction Dispenser
Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/01/1978
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	06/21/2012
Material Name:	#2 Fuel Oil (On-Site Consumption)

C14 **119 W 24TH ST/MANHATTAN** **NY Spills** **S104495140**
South **119 WEST 24TH ST** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.035 mi.
184 ft. **Site 5 of 7 in cluster C**

Relative:
Higher

Actual:
35 ft.

SPILLS:

Facility ID:	8800769
Facility Type:	ER
DER Facility ID:	108481
Site ID:	125426
DEC Region:	2
Spill Date:	3/7/1988
Spill Number/Closed Date:	8800769 / 12/29/1988
Spill Cause:	Other
Spill Class:	Not reported
SWIS:	3101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	4/25/1988
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Tank Tester
Cleanup Ceased:	12/29/1988
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/25/1988
Spill Record Last Update:	2/27/1989
Spiller Name:	Not reported
Spiller Company:	F M RING
Spiller Address:	20 WEST 47TH ST
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	S&W CAME UP WITH PCB ELEVATED CONCENTRATION OF CONTAMINATED DEBRIS UPON DISPOSAL. MATERIAL REMOVED AND REPORT GIVEN TO BECI UNIT. NEW

119 W 24TH ST/MANHATTAN (Continued) **S104495140**

TANK SYSTEM INSTALLED.

Material:

Site ID:	125426
Operable Unit ID:	916255
Operable Unit:	01
Material ID:	459944
Material Code:	0017A
Material Name:	PCB OIL
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

C15 South < 1/8 0.035 mi. 184 ft. **GAY MEN'S HEALTH CRISIS INC.** **NY AST** **U003388333**
119 W 24 ST **NY HIST AST** **N/A**
NY, NY 10011

Site 6 of 7 in cluster C

Relative: Higher

Actual: 35 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-270121
Program Type:	PBS
UTM X:	585066.04885999998
UTM Y:	4510820.1254000003
Expiration Date:	09/19/2007
Site Type:	Other

Affiliation Records:

Site Id:	11337
Affiliation Type:	Facility Owner
Company Name:	FM RING ASSOCIATES
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	20 W 47 ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10036
Country Code:	001
Phone:	(212) 765-1655
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	11337
Affiliation Type:	Mail Contact
Company Name:	GAY MENS HEALTH CRISIS

GAY MEN'S HEALTH CRISIS INC. (Continued) **U003388333**

Contact Type:	Not reported
Contact Name:	IMTIAZ WALDIN
Address1:	119 W 24TH ST
Address2:	Not reported
City:	NY
State:	NY
Zip Code:	10011
Country Code:	001
Phone:	(212) 367-1578
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	11337
Affiliation Type:	On-Site Operator
Company Name:	GAY MENS HEALTH CRISIS INC.
Contact Type:	Not reported
Contact Name:	IMTIAZ WALDIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 367-1582
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	11337
Affiliation Type:	Emergency Contact
Company Name:	FM RING ASSOCIATES
Contact Type:	Not reported
Contact Name:	IMTIAZ WALDIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 367-1000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	13776
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

GAY MEN'S HEALTH CRISIS INC. (Continued) **U003388333**

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-270121
SWIS Code:	6201
Operator:	CHRIS GADSDEN
Facility Phone:	(212) 367-1578
Facility Addr2:	119 W 24 ST
Facility Type:	OTHER
Emergency:	CHRIS GADSDEN
Emergency Tel:	(212) 367-1578
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	MICHAEL RING, FRANK RING ETAL
Owner Address:	20 W 47 ST
Owner City,St,Zip:	NY, NY 10036
Federal ID:	Not reported
Owner Tel:	(212) 765-1655
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	CHRIS GADSDEN
Mailing Name:	MICHAEL RING, FRANK RING ETAL
Mailing Address:	119 W 24TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NY, NY 10011
Mailing Telephone:	(212) 367-1578
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/21/1997

GAY MEN'S HEALTH CRISIS INC. (Continued) **U003388333**

Expiration:	09/19/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	3
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

B16 **APARTMENT BUILDING** **NY Spills** **S109581502**
NW **146 WEST 25TH STREET** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.036 mi.
190 ft. **Site 2 of 12 in cluster B**

Relative:
Lower

Actual:
34 ft.

SPILLS:

Facility ID:	0900035
Facility Type:	ER
DER Facility ID:	361143
Site ID:	411947
DEC Region:	2
Spill Date:	4/1/2009
Spill Number/Closed Date:	0900035 / 4/29/2010
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.

APARTMENT BUILDING (Continued) **S109581502**

Willing Responsible Party. Corrective action taken.

SWIS:	3101
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	4/1/2009
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/1/2009
Spill Record Last Update:	4/29/2010
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	RAY LARA
Contact Phone:	Not reported
DEC Memo:	Sangesland spoke to Ray from PTC. He says there is 1" to 2" of oil on the basement floor - unknown if there are drains.04/02/09 I responded on 04/01/09 afternoon. Spill occurred 2-3 days ago when the building got delivery, but noticed the oil spill on 04/01/09, as per the manager Walton Griffin.Leak on fill line under sidewalk. Oil seeped through the wall and entered tank room.Unknown quantity(could be more than 50 gallons in the tank room)outside of the tank room. Unsure if there is floor drain as there is numerous types of stuff on the floor.I instructed Mr. Griffin to hire a spill clean up contractor to capture the free oil before it is lost onto the subsurface.As of this morning,no contractor has been hired to do the clean up.Spoke with Walton Griffin, who told me that he is following his supervisor's instruction and they will remove asbestos first,then clean up the spill.No PBS registration found, no monthly inspection log.I issued NOV for PBS and Spill violations and handed it over to Mr. Walton Griffin. Compliance conference scheduled on 21st April @ 09:00 AM,emailed to Walton to confirm.Letter was sent to start clean up immediately to(via mail & facsimile@(212)255-3832)DEZER PROPERTIES 146 LLC89 Fifth AvenueNew Yok, NY 10003Attn: Walton Griffin(sr)09/15/09 PAL Environmental performed cleaning of the basement and free product, as well as pressure washing of the wall and floor.Sump located in the tank room determined to have solid bottom.Vacuum test of the tank fill detected failure of fill line.Five soil borings were advanced in the basement and twelve soil borings on the side walk were advanced.Five borings in the basement revealed no vocs above TAGM, some svocs only those can be attributed to historic fill material.Borings on the sidewalk near fill line detected oil stained soil.VOCs were non detected,but some svocs were detected in the soil samples.Based on the subsurface investigation, petroleum impacted soil were present in the vicinity of the fill line and along the exterior of the basement wall.PWGrosser proposes to excavate out the contaminated soil from the fill line and seal the interior wall with epoxy paint.(sr)04/29/10 Closure report prepared

APARTMENT BUILDING (Continued) **S109581502**

by P.W Grosser.The fill port was taken off line and impacted soil under the sidewalk was excavated and removed until the clean soil was reached. End point samples were taken from the sidewalls and base of the excavation.No VOCs/SVOCs were detected in the soil samples.P.W Grosser reinspected the basement wall and no staining of oil was observed.Free product was removed from the basement floor and tank vault.Basement wall was sealed with epoxy paint.Report in edocs. Case closed.(sr)

Remarks: Hazmat crew in route.

Material:

Site ID:	411947
Operable Unit ID:	1168439
Operable Unit:	01
Material ID:	2160044
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

D17 **107 WEST 25TH STREET CORPORATION** **NY AST** **U003396129**
East **107 WEST 25TH STREET** **NY HIST AST** **N/A**
< 1/8 **NEW YORK, NY 10001**
0.037 mi.
194 ft. **Site 2 of 10 in cluster D**

Relative:
Higher

Actual:
38 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-601322
Program Type:	PBS
UTM X:	585129.57845000003
UTM Y:	4510876.3648399999
Expiration Date:	02/19/2018
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	23289
Affiliation Type:	Facility Owner
Company Name:	107 WEST 25TH STREET CORP C/O ABS PARTNERS
Contact Type:	DIR
Contact Name:	JOHNAMBROSINI
Address1:	200 PARK AVENUE SOUTH, 10TH FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10003
Country Code:	001
Phone:	(212) 400-6060

107 WEST 25TH STREET CORPORATION (Continued) **U003396129**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/12/2013

Site Id:	23289
Affiliation Type:	Mail Contact
Company Name:	107 WEST 25TH STREET CORP C/O ABS PARTNERS
Contact Type:	Not reported
Contact Name:	JOHN AMBROSINI
Address1:	200 PARK AVENUE SOUTH, 10TH FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10003
Country Code:	001
Phone:	(212) 400-6060
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/12/2013

Site Id:	23289
Affiliation Type:	On-Site Operator
Company Name:	107 WEST 25TH STREET CORPORATION
Contact Type:	Not reported
Contact Name:	JAMES GALES
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 299-6969
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	10/19/2006

Site Id:	23289
Affiliation Type:	Emergency Contact
Company Name:	107 WEST 25TH STREET CORP% CORNERSTONE MGMT SYSTEM
Contact Type:	Not reported
Contact Name:	ELI TURNER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 661-1150
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	10/19/2006

107 WEST 25TH STREET CORPORATION (Continued) **U003396129**

Tank Info:

Tank Number:	001
Tank Id:	45480
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	03/31/1982
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	10/19/2006
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-601322
SWIS Code:	6201
Operator:	LENNY PACHECO
Facility Phone:	(212) 627-0290
Facility Addr2:	107 WEST 25TH STREET
Facility Type:	Not reported
Emergency:	LENNY PACHECO
Emergency Tel:	(917) 788-9572
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	107 WEST 25TH STREET CORP% GENERAL PROPERTY MGMT
Owner Address:	250 WEST 57TH ST SUITE 2332
Owner City,St,Zip:	NEW YORK, NY 10107
Federal ID:	Not reported
Owner Tel:	(212) 757-5180
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	RUTH SHOENTHAL
Mailing Name:	% GENERAL PROPERTY MANAGEMENT
Mailing Address:	250 WEST 57TH STREET

107 WEST 25TH STREET CORPORATION (Continued) **U003396129**

Mailing Address 2:	SUIT 2332
Mailing City,St,Zip:	NEW YORK, NY 10001
Mailing Telephone:	(212) 757-5180
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/29/1999
Expiration:	02/19/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

B18 NW < 1/8 0.037 mi. 196 ft. | **CHELSEA DESIGN CENTER**
146-150 WEST 25TH STREET
NEW YORK, NY 10001 | **NY AST** | **U004077556**
N/A

Site 3 of 12 in cluster B

Relative: Lower

Actual: 34 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-267627
Program Type:	PBS
UTM X:	584985.30822000001
UTM Y:	4510938.4808
Expiration Date:	12/11/2018
Site Type:	Other

Affiliation Records:

Site Id:	11115
Affiliation Type:	Facility Owner
Company Name:	DEZER PROPERTIES 146 LLC
Contact Type:	DIRECTOR OF PM
Contact Name:	RICHARD ANGEL
Address1:	89 FIFTH AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10003
Country Code:	001
Phone:	(212) 929-1285
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	5/18/2009

Site Id:	11115
Affiliation Type:	Mail Contact
Company Name:	DEZER PROPERTIES, 146 LLC
Contact Type:	Not reported
Contact Name:	KENNETH LATSCH
Address1:	89 FIFTH AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10003
Country Code:	001
Phone:	(212) 929-1285
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	10/22/2013

Site Id:	11115
Affiliation Type:	On-Site Operator
Company Name:	CHELSEA DESIGN CENTER
Contact Type:	Not reported
Contact Name:	KENNETH LATSCH
Address1:	Not reported
Address2:	Not reported
City:	Not reported

CHELSEA DESIGN CENTER (Continued) **U004077556**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 929-8550
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	11115
Affiliation Type:	Emergency Contact
Company Name:	DEZER PROPERTIES 146 LLC
Contact Type:	Not reported
Contact Name:	KENNETH LATSCH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 837-3456
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	4/3/2009

Tank Info:

Tank Number:	001
Tank Id:	18297
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/01/1972
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS

CHELSEA DESIGN CENTER (Continued) **U004077556**

Last Modified: 10/22/2013
Material Name: #6 Fuel Oil (On-Site Consumption)

B19
NW
< 1/8
0.038 mi.
200 ft.

CASPARON BELEGGINGEN N.V.
147 WEST 25TH STREET
NEW YORK, NY 10001

NY UST **U001833184**
NY HIST UST **N/A**

Site 4 of 12 in cluster B

Relative:
Lower

Actual:
34 ft.

UST:
Id/Status: 2-149292 / Active
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 10/15/2017
UTM X: 585036.97019000002
UTM Y: 4510925.8151599998
Site Type: Other

Affiliation Records:
Site Id: 4497
Affiliation Type: Facility Owner
Company Name: CASPARON BELEGGINGEN NV C/O COLLIERS INTL
Contact Type: DISTRIC MGR
Contact Name: RICHARD BROOKE
Address1: 380 MADISON AVE
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10017
Country Code: 001
Phone: (212) 716-3500
EMail: Not reported
Fax Number: Not reported
Modified By: KAKYER
Date Last Modified: 11/14/2012

Site Id: 4497
Affiliation Type: Mail Contact
Company Name: CASPARON BELEGGINGEN N.V.
Contact Type: Not reported
Contact Name: RICHARD BROOKE
Address1: COLLIER INTL
Address2: 380 MADISON AVENUE
City: NEW YORK
State: NY
Zip Code: 10017
Country Code: 001
Phone: (212) 716-3500
EMail: Not reported
Fax Number: Not reported
Modified By: KAKYER
Date Last Modified: 11/14/2012

Site Id: 4497
Affiliation Type: On-Site Operator
Company Name: CASPARON BELEGGINGEN N.V.
Contact Type: Not reported

APPENDIX 8
RIR for 113 West 24th Street New York, New York 10001 (AEI)

AEI Consultants
Environmental & Engineering Services

June 18, 2015 (Revised August 6, 2015)

REMEDIAL INVESTIGATION REPORT

Property Identification:
113 West 24th Street
New York, New York 10001

AEI Project No. 343444

NYSDEC Incident # 1501725

Prepared for:
Raymond Lam
LAM GEN 25 LLC
135 Grand Street 3rd Floor
New York, New York, 10013

Prepared by:
AEI Consultants
20 Gibson Place, Suite 310
Freehold, NJ 07728
(732) 414-2720

San Francisco HQ
Atlanta
Chicago
Costa Mesa
Dallas
Denver
Los Angeles
Miami
New York
Phoenix
Portland
San Jose

National Presence
Regional Focus
Local Solutions

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FIGURES

Figure 1 Site Map
Figure 2 Boring Location Map

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Table 1 Soil Sample Analytical Results
Table 2 Groundwater Sample Analytical Results

APPENDICES

Appendix A 2006 Phase I ESA Report & 2015 Phase II Subsurface Investigation Report
Appendix B Health and Safety Plan
Appendix C Boring Logs
Appendix D Sample Analytical Documentation

Qualified Environmental Professional:

I, David Bausmith, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for 113 24th Street, New York, NY. 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.

June 17, 2015

David Bausmith, PE Date

1.0 Introduction

AEI Consultants (AEI) has prepared this Remedial Investigation report to summarize the results of soil and groundwater investigation conducted on behalf of LAM GEN, LLC (LAM GEN) at 113 West 24th Street in New York, New York (subject property). These activities were conducted to evaluate the presence of elevated Volatile Organic Compounds (VOCs) in soil gas at the Site, as reported in a Phase II Subsurface Investigation (Phase II) completed by Partner Engineering and Science (Partner).

Six (6) Soil borings were advanced and two (2) temporary well points (TWP) were installed as part of the investigation at the subject property (Figure 1). The locations of the borings and temporary well points are shown in Figure 2.

During AEI's Remedial Investigation field work, spill case number 1501725 was established with the New York State Department of Environmental Conservation. The spill case was established due to visual soil staining of the soils, and strong petroleum odors and elevated levels of VOCs readings recorded during soil screening activities.

1.1 Site Description

The subject property consists of the south half of one parcel totaling approximately 0.38 acres located on the south side of West 25th Street and the north side of West 24th Street within a mixed commercial, industrial, and residential area of New York County (Figure 1). The subject property is currently a vacant lot. The subject property and adjoining lot (112 West 25th Street) were formerly the site of a two-story, 46,857 square foot commercial parking garage with a basement prior to being demolished. According to a Phase I ESA, prepared by Merrit Engineering Consultants (Merrit) in July 2006 (Appendix A), the subject and adjoining parcel were formerly operated as an automotive repair and vehicle parking facility.

1.2 Proposed Redevelopment Plan

The subject property currently is vacant. LAM GEN is in the process of developing a final plan for the subject property while finalizing their current plans to redevelop the adjoining parcel (112 25th Street) as a multi-story commercial hotel.

1.3 Description of Surrounding Property

The surrounding properties consist of a vacant lot (112 West 25th Street) and commercial and multi-family residential to the north (across West 25th Street); a church, commercial property, and a hotel to the south across West 24th Street; and, mixed residential and commercial properties to the east and west, respectively.

DRAFT

2.0 Site History

Historically, the subject property was combined with the adjoining parcel (currently Block 800 Lot 49, or 112 West 25th Street) as a single property defined as 112-118 West 25th Street, Block 800, Lot 49. According to the 2006 Phase I ESA and 2014 Phase II report, these parcels were historically operated as a commercial automotive repair and parking facility. On or about July 2014, this parcel was subdivided into two, approximately equal-sized lots, one of which is the subject parcel.

Based on the April 3, 2015 Phase II report, prepared by Partner (Appendix A), and a 2006 Phase I ESA report prepared by Merrit the environmental history of the subject property is as follows:

- According to the 2006 Phase I report, eight (8) abandoned 550-gallon gasoline Underground Storage Tanks (USTs) and an abandoned hydraulic lift were reportedly present beneath the basement of the former parking structure. The suspected former USTs were located on what is now the adjoining parcel near West 25th Street. There were no records in the NYSDEC bulk storage program confirming the presence of regulated and/or registered USTs at the subject property, and no closure documentation was available to determine if regulatory closure was achieved.
- The 2015 Phase II report references a subsurface investigation conducted in August 2006 by Don Carlo Environmental Services (DCES), which included five soil borings in the vicinity of the suspected former USTs. Although the details of the DCES were not included with the Phase II report, no soil impacts in the vicinity of the suspected former USTs were noted.
- In 2015, Partner confirmed that the former parking structure was demolished and was leveled to grade. The 2015 Phase II report indicates that the building demolition debris was used to backfill the former basement area and UST excavations.
- Partner subsequently collected four soil gas samples in the vicinity of the suspected former UST locations (on the adjoining parcel), which indicated elevated levels of petroleum VOCs, specifically benzene.

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3.0 Project Management

3.1 Project Organization

AEI has established a project team for this project whose collective qualifications and experience are strongly suited for successful completion of the project. The proposed responsibilities of the key staff are summarized below:

Joseph Bernarducci, will be the Project Manager for the work. In this capacity Mr. Bernarducci will be responsible for the successful completion of each task including coordination and supervision of subcontractors, engineers and scientists, and adherence to the work plan, schedule and budget.

David Bausmith, PE, will be the Quality Leader, responsible for the development of the work plan, and maintaining quality assurance policies that pertain to all aspects of sample acquisition and data management.

3.2 Health and Safety

A site-specific health and safety plan was prepared, reviewed by onsite personnel, and kept onsite for the duration of the fieldwork. The Health and Safety Plan is attached as Appendix B.

3.3 Materials Management

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

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4.0 Remedial Investigation Activities

4.1 Drilling and Soil Sample Collection

Drilling was conducted on May 15, 2015. A total of six (6) borings, AEI-SB10 through AEI-SB15, were advanced in a grid pattern on the subject property. A total of twelve (12) samples were collected from the six (6) borings. The borings were advanced by Foresight Enviroprobe of Freehold, New Jersey using a track mounted geoprobe drill rig. The borings were advanced to a maximum of twenty-five (25) feet below ground surface (ft-bgs). The location of each boring is listed below, and depicted graphically on Figure 2:

- AEI-SB10: Near the center of the subject property, close to the eastern boundary
- AEI-SB11: Near the center of the subject property
- AEI-SB12: Near the center of the subject property, close to the western boundary
- AEI-SB13: Southern corner of the subject property
- AEI-SB14: Southern end of the subject property
- AEI-SB15: Western corner of the subject property

The borings were advanced using two (2) inch outer diameter rods and samples were collected by advancing the rods with acetate sample liners in approximately five foot intervals. After each interval, the core was retrieved, core barrel disassembled, and the sample liner was removed and transferred to the onsite geologist.

The cores were measured and soils logged using the Unified Soil Classification System. A photo ionization detector (PID) was used to screen soils in the field and the PID readings are included on each boring log (Appendix C). PID readings were taken every six (6) inches, and ranged from 0 to 2,000 parts per million (ppm).

4.2 Groundwater Sample Collection

On May 15, 2015, two (2) groundwater samples were collected from AEI-SB13 and AEI-SB15 to analyze the groundwater on the subject property. A temporary PVC well point was set in the soil boring. AEI then purged the well point using a peristaltic pump until the water was relatively clear and sediment free. Groundwater samples were collected with a new disposable bailer and labeled.

4.4 Laboratory Analyses

The soil and groundwater samples were labeled and placed in a cooler with ice following sampling. The samples were transferred under appropriate chain-of-custody documentation to Alpha Laboratories of Westborough MA, a New York accredited laboratory. Laboratory analytical documentation is provided in Appendix D. Laboratory analysis of the samples consisted of the following:

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Soil Samples AEI-SB-10 to AEI-SB-15:

- Volatile Organic Compounds (VOCs) via EPA Method 8260.
- Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270.

Soil Sample AEI SB-13:

- Additionally analyzed for Lead via EPA method 6010C

Groundwater Samples AEI TWP-3, AEI TWP-6:

- Volatile Organic Compounds (VOCs) via EPA Method 8260.
- Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270.

4.5 Investigation Derived Waste/Boring Deconstruction

Investigation derived waste was returned into the ground at the subject property. Soil boring cuttings were returned to their respective boreholes.

Following completion of sample collection, the soil borings were backfilled with the drilling cuttings and hydrated bentonite chips. The borings were completed at the surface with soil.

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5.0 Environmental Evaluation

5.1 Geological and Hydrogeological Conditions

According to information obtained from the US Geological Survey (USGS), the area surrounding the subject property is underlain by metamorphic deposits of the Paleozoic-era. Based on a review of the United States Department of Agriculture (USDA) Soil Survey for the area of the subject property, the soils in the vicinity of the subject property are classified as Urban land. Soils from this series are characterized as soil types that have been so substantially altered by human activity that less than 15 percent of the original characteristics remain.

Stratigraphy

The subsurface soils consist of about ten feet of fill material consisting of brick, concrete, and debris. The fill material is underlain by about fifteen feet of grey to brown medium sand, some mica throughout with a petroleum odor at most locations. The fill and sand is underlain by mica schist bedrock, encountered around twenty-five feet below grade in most locations. For a more detailed stratigraphy see Appendix C.

Hydrogeology

Groundwater was not encountered in any of the borings as they were advanced (i.e., no evidence of water or saturation). After the borings were completed to the top of rock/refusal, a temporary well was inserted in two (2) borings and allowed to sit overnight. This allowed the relatively minor amount of water apparently present in the soil matrix at the base of the hole to accumulate in the screen. Depth to groundwater was observed at 17.3 feet bgs in the temporary wells.

5.2 Soil Sample Analytical Results

The following information is a summary of the soil sample analytical test results (Appendix D). This information has also been included in Table 2.

<u>Semi Volatile Organic Compounds (SVOCs)</u>

- Naphthalene was detected in samples, AEI-SB10 (11.0-11.5) and AEI-SB11 (10.5-11.0) at 96 mg/kg and 16 mg/kg respectively, which exceeds the New York State Department of Conservations (NYSDEC) Soil Cleanup Objectives(SCO).
- Several polyaromatic hydrocarbons (PAHs) exceed the NYSDEC SCO in samples AEI-SB10 (11.0-11.5) and AEI-SB11 (10.5-11.0).
- No other SVOCs were detected above their respective NYSDEC SCO.

<u>Volatile Organic Compounds (VOCs)</u>

- The following compounds exceed their respective NYSEC SCO:
    - Benzene in three samples between 0.14 mg/kg and 1.4 mg/kg
    - Toluene in three samples between 4.6 mg/kg and 22 mg/kg
    - Ethylbenzene in five samples between 1.1 mg/kg and 33 mg/kg
    - Xylenes in seven samples between 0.27 mg/kg and 160 mg/kg
    - Acetone in three samples between 0.19 mg/kg and 1.1 mg/kg

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- Isopropylbenzene in three samples between 2.3 mg/kg and 11 mg/kg
- Naphthalene in two samples between 22 mg/kg and 33 mg/kg
- n-Propylbenzene in three samples between 4.5 mg/kg and 25 mg/kg
- 1,3,5-Trimethylbenzene in three samples between 12 mg/kg and 54 mg/kg
- 1,2,4-Trimethylbenzene in five samples between 7.9 mg/kg and 140 mg/kg

- No other VOCs were detected above their respective NYSDEC SCO.

Lead

- Lead was not detected in AEI-SB13 (18.5-19.0) at levels greater than the NYSEC SCO for Lead.

The analytical results are generally consistent with soil field screening PID results. As depicted on the soil boring logs (Appendix C), elevated PID readings were generally not observed in soil at depths approximately 12-15 ft-bgs. However, as confirmed by the laboratory analytical results, soils below 15 ft-bgs generally showed visual evidence of petroleum impacts and elevated PID readings.

Copies of the laboratory analytical results report and Chain of Custody documentation are located in the Appendix D.

5.3 Groundwater Sample Analytical Results

The following information is a summary of the groundwater sample analytical test results (Appendix D). This information has also been included in Table 2.

Semi Volatile Organic Compounds (SVOCs)

- Pentachlorophenol was detected in sample, AEI-TWP-15 at 9.5 µg/l which exceeds the NYSDEC Groundwater Quality Standards (GWQS).
- Naphthalene was detected in samples, AEI-TWP-13 and AEI-TWP-15 between 330 and 890 µg/l which exceeds the NYSDEC GWQS.
- No other SVOCs were detected above their respective NYSDEC GWQS.

Volatile Organic Compounds (VOCs)

- The following compounds exceed their respective NYSEC GWQS in both samples(AEI-TWP13 and AEI-TWP15):
  - Benzene at 19 µg/l and 21 µg/l respectively
  - Toluene at 3300 µg/l and 2300 µg/l respectively
  - Ethylbenzene at 3400 µg/l and 2400 µg/l respectively
  - 1,2,3-Trichloropropane at 140 µg/l and 120 µg/l respectively
  - n-Butylbenzene at 200 µg/l and 200 µg/l respectively
  - sec-Butylbenzene at 120 µg/l and 120 µg/l respectively
  - Isopropylbenzene at 530 µg/l and 410 µg/l respectively
  - Naphthalene at 2100 µg/l and 1600 µg/l respectively
  - n-Propylbenzene at 870 µg/l and 700 µg/l respectively

    - 1,3,5-Trimethylbenzene at 2600 µg/l and 2200 µg/l respectively
    - 1,2,4-Trimethylbenzene at 4800 µg/l and 1400 µg/l respectively
- tert-Butylbenzene was detected in sample, AEI-TWP-13 at 24 µg/l which exceeds the NYSDEC GWQS.

Lead

- Lead was detected in both AEI-TWP-3 and AEI-TWP-6, at 54.88 µg/l and 6.73 µg/l respectively. AEI-TWP-3 exceeded the lead NYSEC GWQS of 25 µg/l.

Copies of the laboratory analytical results report and Chain of Custody documentation are located in the Appendix D.

6.0 Summary and Conclusions

AEI has prepared this Remedial Investigation report to delineate the concerns identified in the 2015 Phase II report, which specifically had reported evidence of impacts in soil gas at the subject parcel, which may be related to that adjoining parcel. Benzene and other VOCs were reported in the soil gas analytical results. Given these findings, the Phase II report indicated that there was potential for a future vapor intrusion concerns.

Twelve (12) soil samples were collected from six (6) soil borings as part of the investigation at the subject property. Multiple VOCs and SVOCs were detected in multiple soil samples above the compounds' respective NYSDEC SCO; however, exceedances of the NYSDEC SCO were generally limited to a depth interval of approximately 15 ft-bgs and the top of weathered bedrock (ranging from approximately 20-25 ft-bgs).

Two (2) groundwater samples were collected from two (2) TWP installed as part of the investigation at the subject property. Several VOCs, SVOCs and lead were detected in the groundwater samples at concentrations greater than their respective NYSDEC GWQS.

During AEI's Remedial Investigation field work spill case number 1501725 was established with the New York State Department of Environmental Conservation. The spill case was established due to high PID readings, visual soil staining in the soil borings, and strong petroleum odors in the soil borings.

6.1 Preliminary Remedial Actions

This section presents a brief description of the anticipated future remedial actions for the subject parcel. Because the future use of the subject parcel is unknown, pending design of final site redevelopment plans by LAM GEN, the following are preliminary remedial actions only.

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Based on the soil and groundwater analytical results, AEI recommends a combination of soil remediation and confirmatory soil and groundwater sampling. Impacted soils across the subject property located between approximately 15-25 ft-bgs (or the depth corresponding to top of bedrock) will be remediated to prevent direct exposure of contaminants exceeding the NYSDEC SCOs to humans, and minimize potential future migration of impacted groundwater and vapor intrusion. Because the investigation data presented herein indicates that overburden soils up to approximately 15 ft-bgs are not impacted and therefore may be appropriate beneficial reuse as structural fill on-site, confirmatory sampling will be conducted to characterize these soils prior to final remedy selection.

Remediation alternatives for impacted soil may include removal by excavation, in-situ treatment (i.e., soil vapor extraction, chemical oxidation, thermal treatment, etc.), containment, and/or engineering and institutional controls. Ultimately, the selected remedy or remedies will depend on LAM GEN's final site development plans, which will be documented in a Remedial Action Plan (RAP) for the subject parcel.

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7.0 Project Schedule

The following is the anticipated schedule for the subject parcel:

- Confirmatory soil sampling – July 1 – July 8
- Well Installation and Sampling – July 1 – July 22
- Remedial Design – July 15 – July 29
- Submit RAP – August 3

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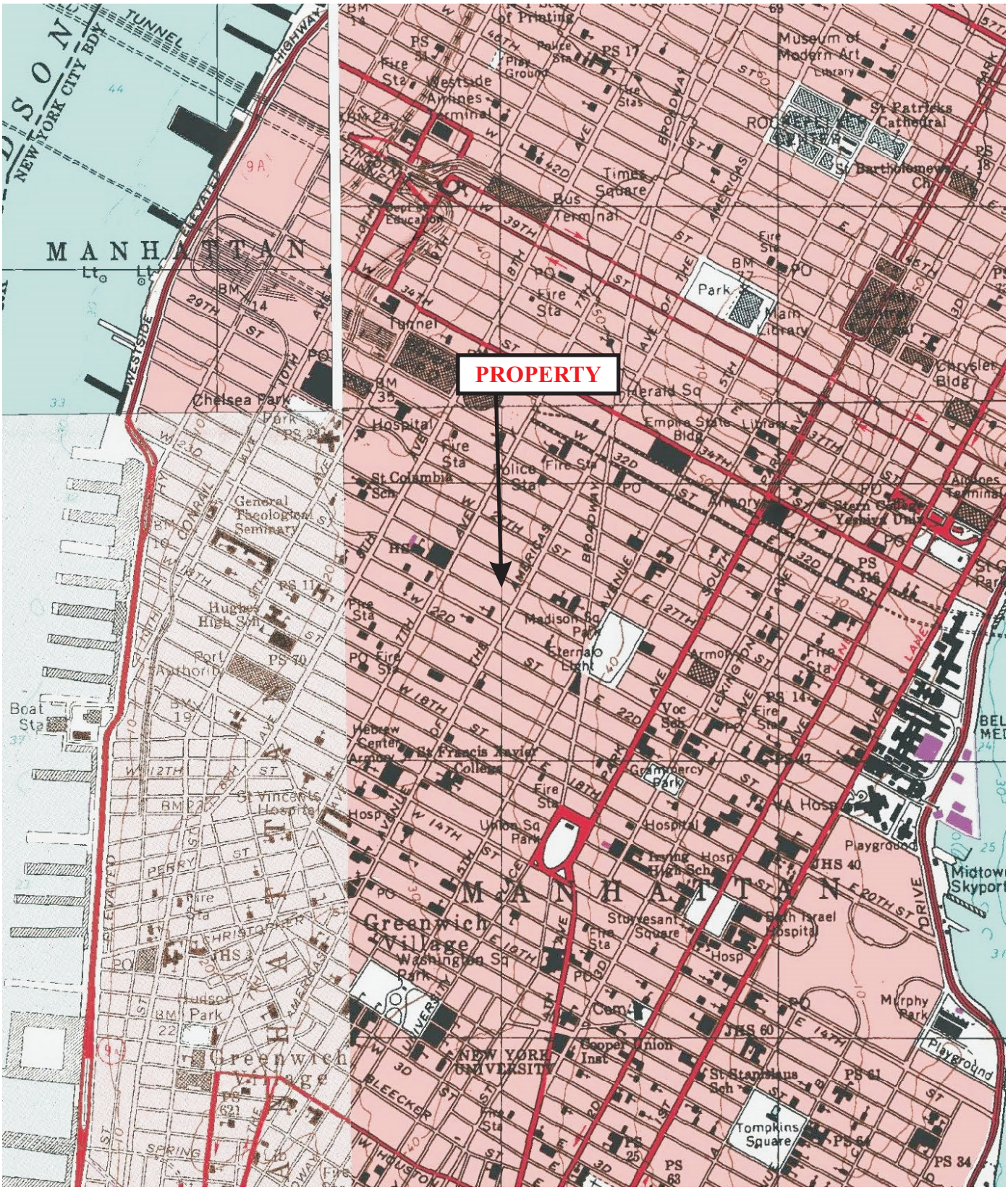
FIGURES



LEGEND

N

Date: June 4, 2015
Source: USGS

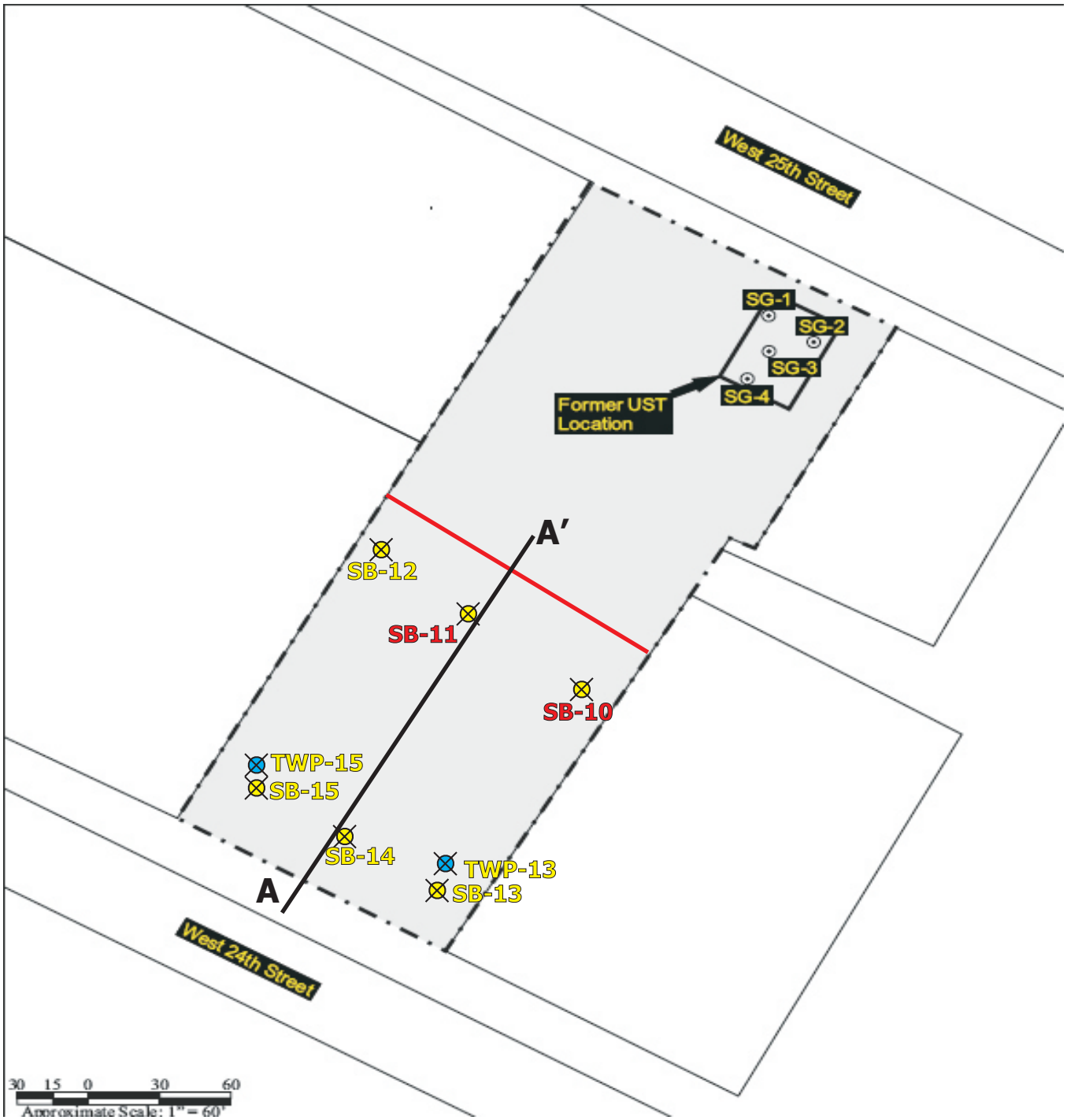
AEI CONSULTANTS

20 GIBSON PLACE FREEHOLD, NEW JERSEY 07728

SITE LOCATION MAP

111 West 24th Street
New York, New York 10001

FIGURE 1
Project No. 343444



Legend

Approximate Property Boundary

Soil Boring Location

Temp Well

Soil Sample Collected exceeded NYSDEC Commercial SCO **SB-11**

N

Figure 2: Sample Location Map

111 West 24th Street, New York, NY
Project Number: 343444

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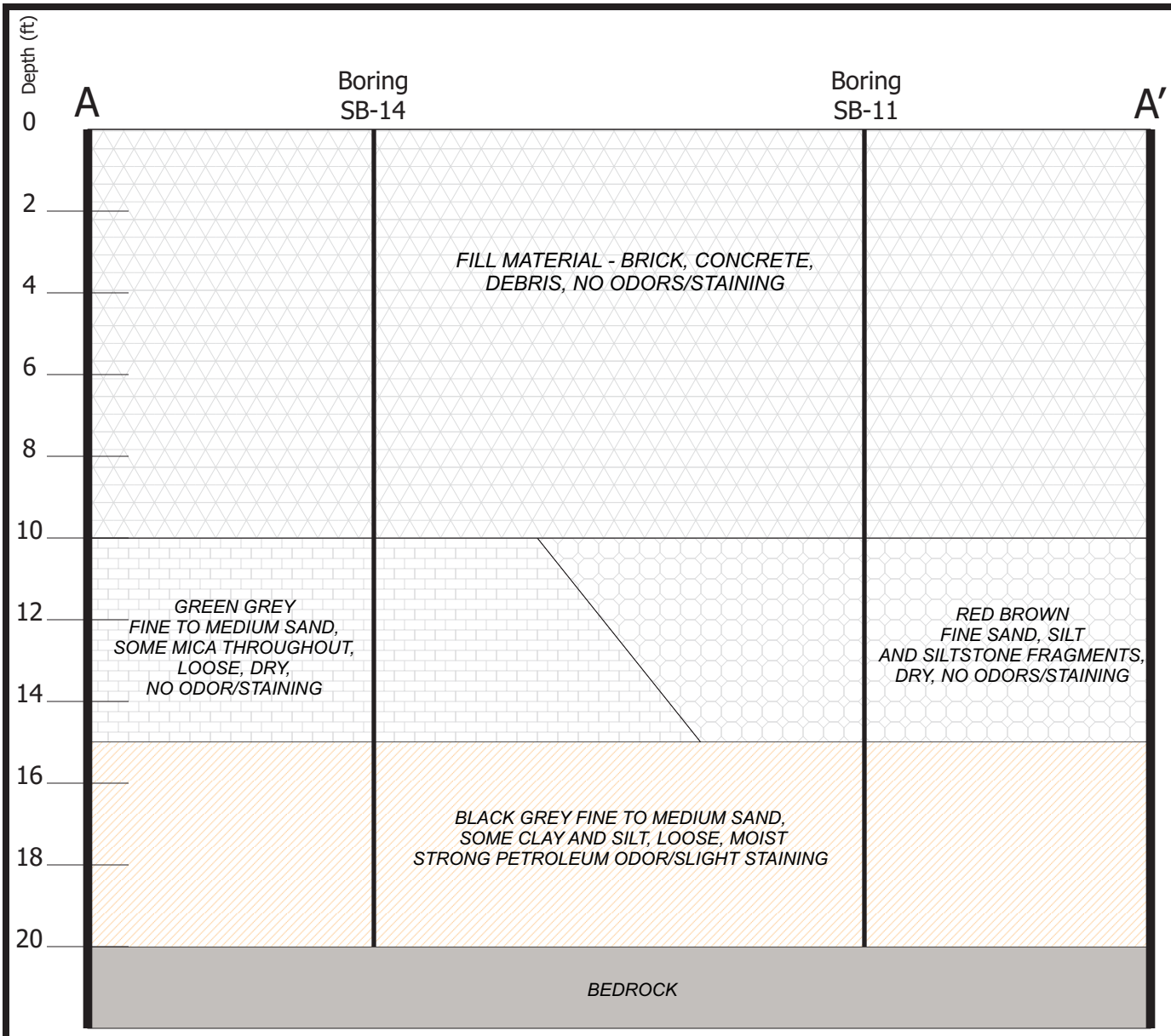

Notes:

- Fine to Medium sand layer contained elevated VOC levels between approximately 10-20 feet bgs based on PID readings and analytical results

- Type and thickness of soils approximated based on borings completed on subject parcel

- Weathered bedrock encountered at 25 feet bgs at one boring SB-12 (not shown) on subject parcel

- Figure not to scale

N

Figure 3 - Cross Section A-A'

113 West 24th Street, New York, New York
Project Number: 343444

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TABLES

TABLE 1: SOIL SAMPLE DATA SUMMARY
113 West 24th Street New York, New York 10001

ANALYSIS	UNITS	NYSDEC SCO Resticted Commercial	NYSDEC SCO Resticted Residential	NYSDEC SCO Unrestricted	AEI SB-10 (11.0-11.5) 5/15/2015 11 (feet bgs)	AEI SB-10 (24.5-25.0) 5/15/2015 24.5 (feet bgs)	AEI SB-11 (10.5-11.0) 5/15/2015 10.5 (feet bgs)	AEI SB-11 (19.5-20.0) 5/15/2015 19.5 (feet bgs)	AEI SB-12 (11.0-11.5) 5/15/2015 11 (feet bgs)	AEI SB-12 (21.0-21.5) 5/15/2015 21 (feet bgs)	AEI SB-13 (10.5-11.0) 5/15/2015 10.5 (feet bgs)	AEI SB-13 (18.5-19.0) 5/15/2015 18.5 (feet bgs)	AEI SB-14 (10.0-10.5) 5/15/2015 10 (feet bgs)	AEI SB-14 (19.5-20.0) 5/15/2015 19.5 (feet bgs)	AEI SB-15 (10.0-10.5) 5/15/2015 10 (feet bgs)	AEI SB-15 (19.5-20.0) 5/15/2015 19.5 (feet bgs)
General Chemistry																
Solids, Total	%				86.9	87.2	87.5	79.9	85.4	90.1	84.7	91.4	75.4	91.3	80.5	77.8
Semivolatile Organics																
Acenaphthene	mg/kg	500	100	20	29	ND	10	0.064 J	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	mg/kg	500	100	100	92	ND	48	0.38	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	mg/kg	500	100	12	96	1.6	16	0.49	ND	ND	ND	6.4	ND	1.7	ND	0.46
Bis(2-Ethylhexyl)phthalate	mg/kg	NS	NS	NS	ND	0.12 J	ND	ND	ND	ND	ND	0.064 J	ND	ND	0.062 J	ND
Benzo(a)anthracene	mg/kg	5.6	1	1	**32**	ND	**17**	0.13	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	mg/kg	1	1	1	**28**	ND	**14**	0.12 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	mg/kg	5.6	1	1	**31**	ND	**17**	0.14	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	mg/kg	56	3.9	0.8	13	ND	6.4	0.056 J	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	mg/kg	56	3.9	1	29	ND	16	0.12	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	mg/kg	500	100	100	6.2	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	mg/kg	500	100	100	36	ND	17	0.11 J	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	mg/kg	500	100	100	16	ND	8.6	0.074 J	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	mg/kg	500	100	30	27	ND	11	0.065 J	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	mg/kg	500	100	100	130	ND	65	0.43	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	mg/kg	0.56	0.33	0.33	**3.7**	ND	**2** J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)Pyrene	mg/kg	5.6	0.5	0.5	**17**	ND	**8.9**	0.072 J	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	mg/kg	500	100	100	78	ND	41	0.31	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	mg/kg	NS	NS	NS	5.7 J	ND	1.9 J	ND	ND	ND	ND	0.087 J	ND	ND	ND	ND
Dibenzofuran	mg/kg	350	59	7	24	ND	9.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	mg/kg	NS	NS	NS	24	1	6.9	0.094 J	ND	ND	ND	6.8	ND	1.3	ND	0.4
Phenol	mg/kg	500	100	0.33	2.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Methylphenol/4-Methylphenol	mg/kg	500	100	0.33	3.4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	mg/kg				16	ND	6.7	0.052 J	ND	ND	ND	ND	ND	ND	ND	ND
Total Metals																
Lead, Total	mg/kg	1000	400	63	NA	NA	NA	NA	NA	NA	NA	8	NA	NA	NA	NA
Volatile Organics																
Tetrachloroethene	mg/kg	150	19	1.3	ND	ND	ND	ND	0.0004 J	ND	ND	ND	0.0012	ND	0.00049 J	ND
Benzene	mg/kg	44	4.8	0.06	0.14	ND	ND	1.4	ND	0.012	ND	ND	ND	0.67	ND	ND
Toluene	mg/kg	500	100	0.7	0.29	0.079 J	0.00053 J	4.6	0.0005 J	0.078	0.00046 J	11	0.00033 J	22	0.00084 J	ND
Ethylbenzene	mg/kg	390	41	1	0.15	1.1	0.00034 J	5.4	0.00045 J	0.05	ND	33	ND	13	ND	23
p/m-Xylene	mg/kg	NS	NS	NS	0.45	3.1	0.00037 J	19	0.0013 J	0.19	ND	110	ND	57	0.0011 J	14
o-Xylene	mg/kg	NS	NS	NS	0.18	0.72	ND	9.3	0.00035 J	0.081	ND	49	ND	20	0.00054 J	0.41 J
Xylenes, Total	mg/kg	500	100	0.26	0.63	3.8	0.00037 J	28	0.0017 J	0.27	ND	160	ND	77	0.0016 J	14 J
Styrene	mg/kg	NS	NS	NS	0.048 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	mg/kg	500	100	0.05	ND	ND	ND	0.19 J	ND	ND	ND	ND	0.0018 J	0.96 J	0.047	1.1 J
Carbon disulfide	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0018 J	ND
2-Butanone	mg/kg	500	100	0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0063 J	ND
1,2,3-Trichloropropane	mg/kg	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51 J	ND	0.82 J
n-Butylbenzene	mg/kg	500	100	12	ND	0.75	ND	0.36	ND	0.0058	ND	8.2	ND	1.8	ND	11
sec-Butylbenzene	mg/kg	500	100	11	ND	0.46	ND	0.16	ND	ND	ND	4.3	ND	0.89	ND	6
tert-Butylbenzene	mg/kg	500	100	5.9	ND	0.075 J	ND	ND	ND	ND	ND	0.69 J	ND	ND	ND	0.93 J
Isopropylbenzene	mg/kg	NS	NS	NS	ND	0.69	ND	0.59	ND	0.0068	ND	9.9	ND	2.3	ND	11
p-Isopropyltoluene	mg/kg	NS	NS	NS	0.084	1	ND	0.18	ND	0.0037	ND	7.5	ND	1.4	0.0011 J	9.6
Naphthalene	mg/kg	500	100	12	33	1.6	0.16	3.1	0.001 J	0.02	0.00031 J	22	ND	5.4	0.0038 J	11
n-Propylbenzene	mg/kg	500	100	3.9	ND	1.1	ND	1.8	ND	0.016	ND	19	ND	4.5	ND	25
1,3,5-Trimethylbenzene	mg/kg	190	52	8.4	0.15 J	2.9	0.00034 J	4.1	0.00065 J	0.036	ND	54	ND	12	0.001 J	18
1,2,4-Trimethylbenzene	mg/kg	190	52	3.6	0.35 J	7.9	0.0008 J	13	0.0015 J	0.1	ND	140	ND	32	0.0031 J	68
p-Diethylbenzene	mg/kg	NS	NS	NS	0.14 J	5.8	0.00064 J	2.5	0.0005 J	0.031	ND	65	ND	12	ND	41
p-Ethyltoluene	mg/kg	NS	NS	NS	0.19 J	5	0.00064 J	8.6	0.00067 J	0.067	ND	110	ND	26	0.0012 J	28
1,2,4,5-Tetramethylbenzene	mg/kg	NS	NS	NS	0.06 J	1.2	0.00031 J	0.68	ND	0.0077	ND	16	ND	3	0.00084 J	20

Notes:

mg/kg	milligrams per kilogram
J	estimated concentration
E	concentration of analyte
bgs	below ground surface
ND	non detect
NA	not analyzed
NS	No Standard/Objective
BOLD	Exceeds respective NYSDEC SCO Restriced Commercial

Comparision Values:

NYSDEC SCO Restriced Residential: New York State Department of Environmental Conservation Soil Cleanup Objectives for Restricted Residential use

NYSDEC SCO Restriced Commercial: New York State Department of Environmental Conservation Soil Cleanup Objectives for Restricted Commercial use

NYSDEC SCO Unrestriced: New York State Department of Environmental Conservation Soil Cleanup Objectives for Unresticted use

TABLE 2: GROUNDWATER SAMPLE DATA SUMMARY
111 West 24th Street New York, New York 10011

Analysis	Units	NYSDEC GWQS	AEI TWP-13 5/15/2015	AEI TWP-15 5/15/2015
SVOCs via EPA Method 8270				
Bis(2-Ethylhexyl)phthalate	µg/L	5	4.7	0.93 J
Biphenyl	µg/L	NS	7.2	1.5 J
2,4-Dimethylphenol	µg/L	5	ND	ND
3-Methylphenol/4-Methylphenol	µg/L	NS	ND	ND
Naphthalene	µg/L	10	**890**	**330**
2-Methylnaphthalene	µg/L	NS	620	140
Pentachlorophenol	µg/L	1	ND	**9.5 J**
VOCs via EPA Method 8260				
Benzene	µg/L	1	**19**	**21**
Toluene	µg/L	5	**3300**	**2300**
Ethylbenzene	µg/L	5	**3400**	**2400**
p/m-Xylene	µg/L	NS	6900	7800
o-Xylene	µg/L	NS	5900	4200
Xylenes, Total	µg/L	NS	1300	12000
1,2,3-Trichloropropane	µg/L	0.04	**140**	**120**
n-Butylbenzene	µg/L	5	**200**	**200**
sec-Butylbenzene	µg/L	5	**120**	**120**
tert-Butylbenzene	µg/L	5	**24 J**	ND
Isopropylbenzene	µg/L	5	**530**	**410**
p-Isopropyltoluene	µg/L	NS	220	200
Naphthalene	µg/L	10	**2100**	**1600**
n-Propylbenzene	µg/L	5	**870**	**700**
1,3,5-Trimethylbenzene	µg/L	5	**2600**	**2200**
1,2,4-Trimethylbenzene	µg/L	5	**4800**	**1400**
p-Ethyltoluene	µg/L	NS	3100	50
1,2,4,5-Tetramethylbenzene	µg/L	NS	560	550
Total Lead via EPA Method 6010				
Total Lead	µg/L	25	NA	NA

Notes:

µg/L	micrograms per liter
J	esitmated concentration
ND	non detect
NA	not analyzed
NS	No Standard
Bold	Result exceeds applicable Comparision Value

Comparision Values:
NYSDEC GWQS: New York State Department of Conservation Groundwater Quality Standards

APPENDIX A

PARTNER

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

112 West 25th Street
New York, NY 10001

November 7, 2014
Partner Project No. 14-129276.1

Prepared for:

Shanghai Commercial Bank
125 East 56th Street
New York, NY 10022

PARTNER

November 7, 2014

Mr. Joseph Lau
Shanghai Commercial Bank
125 East 56th Street
New York, NY 10022

Subject: Phase I Environmental Site Assessment
112 West 25th Street
New York, NY 10001
Partner Project No. 14-129276.1

Dear Mr. Lau:

Partner Assessment Corporation (Partner) is pleased to provide the results of the *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in general conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (646) 683-8537.

Sincerely,

Sarah M. Fonseca
National Client Manager

EXECUTIVE SUMMARY

Partner Assessment Corporation (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general accordance with the scope of work and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Shanghai Commercial Bank for the property located at 112 West 25th Street in the City of New York, New York County, New York (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Shanghai Commercial Bank with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the on the south side of West 25th Street and the north side of West 24th Street within a mixed commercial, industrial and residential area of New York County. Please refer to the table below for further description of the subject property:

Subject Property Data	
Address:	112 West 25th Street, New York, New York
Additional Addresses:	114-118 (even only) West 25th Street 113-117 (odd only) West 24th Street
Property Use:	Vacant
Land Acreage (Ac):	0.38 Ac
Number of Buildings:	One
Number of Floors:	Two-story plus cellar
Gross Building Area (SF):	46,857 SF (Total)
Date of Construction:	Prior to 1880
Assessor's Parcel Number (APN):	Block 800 Lot 49
Type of Construction:	Brick foundation / Concrete steel flooring / Steel framing / Flat roof
Current Tenants:	Currently Vacant
Site Assessment Performed By:	Ryan Reynics of Partner
Site Assessment Conducted On:	November 5, 2014

The subject property is currently occupied by a vacant commercial building which consists of a two-story 46,857 square foot building, with a cellar. Currently the subject property building is vacant; however, the most recent former operations included automotive repair, vehicle parking and a small office space. The subject property is predominantly covered by the subject buildings with no additional improvements.

According to available historical sources, the subject property was formerly developed as a candy and chocolate factory from approximately 1880 to 1911; an automotive repair facility from approximately 1927 to 2013; and, has been vacant since the beginning of 2014.

The immediately surrounding properties consist of commercial and multi-family residential to the north, across West 25th Street; a church, commercial property, and a hotel to the south across West 24th Street; and, mixed residential and commercial properties to the east and west, respectively.

Based on the urban development of the area, groundwater depth and flow below New York City can vary from the surface topography and is often erratic. However, according to information obtained from the United States Geological Survey (USGS), groundwater in the vicinity of the subject property is present at approximately 30 to 40 feet below ground surface (bgs) and flow to the southwest.

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner reviewed a previous *Phase I ESA*, dated July 14, 2006, prepared by Merritt Engineering Consultants (MEC) and an *Environmental Subsurface Assessment Report*, dated August 16, 2006 prepared by Don Carlo Environmental Services, Inc (DCES). According to the Phase I ESA, underground storage tanks (USTs) and hydraulic lifts are present on the subject property; however, no closure documentation was available to determine regulatory closure was achieved. According to the review of historical documents, the subject property formerly utilized eight, 550-gallon gasoline USTs. These USTs were identified on Sanborn Fire Insurance Maps as early as 1930 in the northeast corner of the subject property. During site reconnaissance, Partner observed eight vent pipes which further indicates the presence of the USTs. A prior report indicates a subsurface investigation was performed on August 7, 2006. The subsurface investigation included the advancement of five borings in the vicinity of the UST basin. The prior report states the USTs were reportedly filled with sand at an unknown time. There is no mention regarding the confirmed closure of the USTs. Soil samples were collected and analyzed under EPA Method STARS 8021 for Volatile Organic Compounds (VOCs). Laboratory analysis of the soil samples did not identify soil impacts above laboratory reporting limits and the NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs). Although, the analytical results did not identify a release in 2006, it remains unknown if the USTs have been properly abandoned in place. In addition, the subject property is proposed to be demolished, excavated and redeveloped. As such, the USTs will need to be removed and sampling may be required during the removal process in order to confirm no releases have occurred. As such, the USTs at the subject property are considered a recognized environmental condition to the subject property.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to previous report reviewed identified as *Phase I Environmental Site Assessment* conducted by Merritt Engineering Consultants, P.C. dated July 14, 2006, an abandoned hydraulic lift was observed within the subject property building. Based on previous experience with hydraulic lifts, the quantity of hydraulic fluid used with this equipment is small. Based on the small quantity of hydraulic fluid used in connection with the operations of this equipment, the age of the equipment and the inferred depth to groundwater in the vicinity of the subject property, the presence of this equipment is not expected to represent a significant environmental concern. However, soil sampling may be required if the hydraulic lift is planned to be removed in the future.
- According to previous report reviewed identified as an *Asbestos Assessment* conducted by Environmental Consulting & Management Services Inc. dated October 10, 2013, a comprehensive survey was performed at the subject property of which materials identified as Built-up Roofing, North & South Parapet Walls, East & West Parapet Walls, and Stairwell Bulkhead Roof & Walls tested were identified as containing asbestos greater than one percent (> 1%).

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 112 West 25th Street in the City of New York, New York County, New York (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- The USTs should be removed during the redevelopment of the subject property. If warranted, soil and/or groundwater samples may be required by the regulatory agency. At the request of the

User, Partner can provide services, such as a camera scope, of the vent pipes to the USTs in order to determine if the USTs have been properly closed in place.

- An Asbestos Operations and Maintenance (O&M) program should be developed to manage the asbestos-containing materials found at the subject property. The intent of the O&M program is to minimize the potential exposure of building occupants to airborne asbestos fibers. These materials will have to be properly abated prior to any renovation, repairs and/or demolition of the buildings, in accordance with the Asbestos Hazard Emergency Response Act (AHERA - 40 CFR Part 763), the National Emission Standards for Hazardous Air Pollutants (NESHAP - 40 CFR 61, Subpart M), and all applicable local and state regulations.

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1.0 INTRODUCTION

Partner Assessment Corporation (Partner) has performed a Phase I Environmental Site Assessment (ESA) in general conformance with the scope and limitations of ASTM Standard Practice E1527-13 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 112 West 25th Street in the City of New York, New York County, New York (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in general accordance with the requirements of ASTM Standard E1527-13. This assessment included: 1) a property and adjacent site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments in order to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-13, AULs are the legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential

exposure to hazardous substances or petroleum products in the soil or groundwater on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil or groundwater on the property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Shanghai Commercial Bank engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Shanghai Commercial Bank. Either

verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this report was completed. A copy of Partner's standard Terms and Conditions can be found at http://www.partneresi.com/terms-and-conditions.php.

1.5 Limiting Conditions

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past or current owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner requested information relative to deed restrictions and environmental liens, a title search, and completion of a pre-survey questionnaire from the Report User. This information was not provided at the time of the assessment.
- Partner was not able to document the historical use of the subject property prior to 1880. The following sources were reviewed during the course of this assessment and found to be limited: aerial photographs were not available prior to 1924; city directories were not available prior to 1927; topographic maps prior to 1900; and fire insurance maps prior to 1880. This data failure is not considered critical and does not change the conclusions of this report.
- Partner was unable to determine the property use at 5-year intervals, which constitutes a data gap. Except for property tax files and recorded land title records, which were not considered to be sufficiently useful, Partner reviewed all standard historical sources and conducted appropriate interviews.
- Partner submitted Freedom of Information Act (FOIA) requests to the New York State Department of Environmental Conservation (NYSDEC), the New York City Fire Department (FDNY), the New

York City Department of Health (NYCDOH) and the New York City Department of Environmental Protection (NYCDEP) for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property. As of this writing, the aforementioned agencies have not responded to Partner's request. Based on information obtained from other historical sources, this limitation is not expected to alter the overall findings of this assessment. If issues of an environmental concern are identified upon review of these documents, Partner will issue an addendum to this report.

Due to time constraints associated with this report, the Client has requested the report despite the above-listed limitations.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

The subject property at 112 West 25th Street in New York, New York is located on the south side of West 25th Street and the north side of West 24th Street. According to the online research, the subject property is legally described as Block 800 Lot 49, and ownership is currently vested in 112-118 West 25th LLC since 2013.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently a vacant commercial building which consists of a two-story, 46,857 square foot building, with a cellar. Currently, the subject property building is vacant; however, former operations included automotive repair, vehicle parking and a small office space. The subject property is predominantly covered by the subject buildings with no additional improvements.

The subject property is designated for commercial development by the City of New York.

The subject property was identified as an EDR US Historic Auto Station site in the regulatory database report, as further discussed in Section 4.2.

2.3 Current Use of Adjacent Properties

The subject property is located within a mixed commercial and residential area of New York County. During the vicinity reconnaissance, Partner observed the following land use on properties in the immediate vicinity of the subject property:

Immediately Surrounding Properties	
North:	Commercial (119-125 West 25th Street; 115-117 West 25th Street) and multi-family residential (107-113 West 25th Street)
South:	Church (116 West 24th Street) commercial (112-114 West 24th Street) hotel (108 West 24th Street) and commercial (106 West 24th Street)
East:	Mixed residential and commercial (110 West 25th Street) and commercial (109-111 West 24th Street)
West:	Mixed residential and commercial (120 West 25th Street) and commercial (119-125 West 24th Street)

The adjacent properties were identified as AST, Historical AST, and Spills sites in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The United States Geological Survey (USGS) *Brooklyn, New York* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 35 feet above mean sea level (MSL). The contour lines in the

area of the subject property indicate the area is sloping gently toward the southwest. The subject property is depicted on the 1995 map as shaded indicating dense urban development.

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

According to topographic map interpretation, the direction of groundwater in the vicinity of the subject property is inferred to flow toward the southwest. The nearest surface water in the vicinity of the subject property is the Hudson River located approximately 0.85 miles west of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the New York City Department of Environmental Conservation (NYCDEP) serves the subject property vicinity. According to a representative of the NYCDEP, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. The sources of public water for the City of New York are surface water from the Catskill/Delaware System, located in Delaware, Green Schoharie, Sullivan, and Ulster Counties; and the Croton System, located in Putnam, Westchester and Dutchess counties.

Based on the urban development of the area, groundwater depth and flow below New York City can vary from the surface topography and is often erratic. However, according to information obtained from the United States Geological Survey and topographic map interpretation, groundwater in the vicinity of the subject property is present at approximately 30 to 40 feet below ground surface (bgs).

2.4.3 Geology/Soils

According to the New York State Geological Survey website, the bedrock at the Property is Precambrian in age, approximately one billion years old, and consists of gneiss and schists that are a part of the Manhattan Prong, a portion of the Appalachian Piedmont. The older of the Manhattan Prong sequence found in central Manhattan is the Manhattan Schist, which is overlain by the Hartland Formation, a granulite. Both units are of very high metamorphic grade having been metamorphosed at a great depth in the earth's crust and later thrust to the surface during the Appalachian mountain building episode, about 350 million years ago.

During the last glacial period, ending about 12,000 to 15,000 years ago and termed the Wisconsin, a mantling of glacial drift was deposited over the older bedrock. In places the glacial deposits are unsorted till characterized by boulder to pebble-sized rocks erratically intermixed with a clay matrix, but elsewhere the deposits are sorted and stratified sand and gravel, the result of glacial outwash.

Soils in the vicinity of the Property are classified as Urban Land. Urban Land complex are those soils in which the soil's original structure and content have been so altered by human activities it has lost its original characteristics and is thus unidentifiable. Urban soils consist of nearly level to moderately steep areas where the soils have been altered or obscured by urban works and structures. Buildings and pavement cover more than 85 percent of the surface. Included in this unit in mapping are many small areas where the original soil material has been disturbed by construction and areas where fill has been

added. Also included are small areas of undisturbed soils. The soil properties and characteristics of this unit vary. Onsite investigation is needed to determine the suitability for specific uses and the limitations affecting those uses.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 3604970201F, dated September 5, 2007, the subject property appears to be located in Zone X, an area located outside of the 100-year and 500-year flood plains.

A copy of the reviewed flood map is not included in Appendix B of this report.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information		
Period/Date	**Source**	**Description/Use**
1880-1911	Sanborn Maps, Topographic Maps	Food Production (Candy and Chocolate Factory)
1927-2013	Aerial Photographs, Building Records, City Directories, Interviews, Onsite Observations, Sanborn Maps, Topographic Maps, Prior Reports	Automotive Repair
2013—Present	Interviews, Onsite Observations	Vacant

Tenants on the subject property include a candy and chocolate factory (1880-1911); automotive repair (1927-2013); and, vacant (Present). Potential environmental concerns were identified in association with the current or former use of the subject property, as further discussed in Section 5.2.6.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Data Resources, Inc. (EDR) on November 4, 2014. The following observations were noted to be visible on the subject property and adjacent properties during the aerial photograph review:

Date: 1924-2011	*Scale: 1"=500'/1,000'*
Subject Property:	Appears to be developed with the current structure and configuration
North:	Appears to be developed with the current structures and configuration across West 25th Street
South:	Appears to be developed with the current structures and configuration across West 24th Street
East:	Appears to be developed with the current structure and configuration
West:	Appears to be developed with the current structure and configuration

Copies of select aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Partner reviewed the collection of Sanborn Fire insurance maps from EDR on November 4, 2014. The following observations were noted to be depicted on the subject property and adjacent properties during the fire insurance map review:

Date: 1880 and 1899	
Subject Property:	Depicted as developed with several three- to five-story structures identified as a chocolate and candy manufacturer (112-118 West 25th Street and 113-117 West 24th Street)
North:	Depicted as developed with several structures across West 25th Street (111-119 West 25th Street)
South:	Depicted as developed with a four-story music hall (108-110 West 24th Street), a

Date:	***1880 and 1899***
	ten-story store (112-114 West 24th Street), and a four-story school (116 West 24th Street) across West 24th Street
East:	Depicted as developed with a three-story dwelling (108-110 West 25th Street) and a three-story nondescript building (111 West 24th Street)
West:	Depicted as developed with a five-story building with a basement (120 West 25th Street) and a four-story nondescript building (119 West 24th Street)

Date:	***1911***
Subject Property:	No significant structural changes depicted; the subject property is depicted as having a basement, identified as a candy and chocolate factory and identified as having two dwellings (113 & 115 West 24th Street)
North:	Depicted as developed with a six-story mixed use building with a basement (107-113 West 25th Street), a three-story mixed use building with a basement (115 West 25th Street), a two-story veterinary hospital (117 West 25th Street), and an eleven-story mixed use building with a basement (119-125 West 25th Street)
South:	Depicted as developed with a four-story furniture store with a basement (108-110 West 24th Street), a sixteen-story mixed use building with a basement, and a four-story school (116 West 24th Street)
East:	Depicted as developed with a three-story mixed use building (110 West 25th Street) and a seven-story furniture store with a basement (109-111 West 24th Street)
West:	Depicted as developed with a five-story mixed use building with a basement (120 West 25th Street) and four-story mixed use building with a basement at West 24th Street

Date:	***1930 and 1950***
Subject Property:	Depicted as developed with the current building and configuration; the building is depicted as having eight, 550-gallon gasoline USTs (112-118 West 25th Street; 113-117 West 24th Street)
North:	No significant structural changes; the building at 117 West 25th Street is depicted as a mixed use
South:	No significant structural changes;
East:	No significant structural changes; the building at 109-111 West 24th Street is depicted as mixed use
West:	No significant changes along West 25th Street; depicted as developed with a twelve-story mixed use building with a basement (119-125 West 24th Street)

Date:	***1976-2001***
Subject Property:	No significant changes depicted
North:	No significant changes depicted
South:	No significant changes depicted; undeveloped at 110 West 24th Street
East:	No significant changes depicted
West:	No significant changes depicted

Date:	***2002-2005***

Date: 1976-2001	
Subject Property:	No significant changes depicted
North:	No significant changes depicted
South:	No significant changes depicted; depicted as developed with a nineteen-story hotel at 110 West 24th Street
East:	No significant changes depicted
West:	No significant changes depicted

Copies of reviewed Sanborn Maps are included in Appendix B of this report.

3.3 City Directories

Partner reviewed historical city directories obtained from EDR on November 3, 2014 for past names and businesses that were listed for the subject property and adjacent properties. The findings are presented in the following table:

City Directory Search for 112 West 25th Street (Subject Property)	
Year(s)	**Occupant Listed**
1927	El Bee Garage Inc (112 West 25th Street)
1934	El Bee Garage Inc (112 West 25th Street)
1938	Madison Garage Inc (112 West 25th Street)
1942	Madison Garage Inc (112 West 25th Street)
1947	Moes Super Garage (112 West 25th Street)
1950	Super Garage Inc (112 West 25th Street)
1956	Ace Garage Co (112 West 25th Street)
1958	Ace Garage Co (112 West 25th Street)
1963	Ace Garage Co (112 West 25th Street)
1968	Ace Garage Co, Berry Johnnie Inc Exp & Trucking, Holiday Drive Ur Self Inc (112 West 25th Street)
1973	Ace Garage Co, Holiday Drive Ur Self Inc (112 West 25th Street)
1978	Ace Garage Co, Holiday Drive Ur Self Inc (112 West 25th Street)
1983	A-One parking Corp, Ace Garage, All City Fire Extinguisher Co, Holiday Drive Ur Self Inc (112 West 25th Street)
1988	Ace Garage Co, Holiday Drive Ur Self Inc, Square Industries, Square Plus Operation Corp (112 West 25th Street)
1993	Square Industries (112 West 25th Street)
1998	Jamies Auto Body, W 25th Street parking Corp (112 West 25th Street)
2000	Jamies Auto Body, W 25th Street parking Corp (112 West 25th Street)
2006	I R parking Inc, Jamies Auto Body (112 West 25th Street)
2008	Ace Garage Inc, I R Parking, Jamies Auto Body (112 West 25th Street)
2013	I R Parking Incorporated, NY Towing & Auto Repair (112 West 25th Street)

According to the city directory review, the subject property has been occupied by several auto garage and auto repair facilities since at least 1927 as further discussed in Section 5.2.6.

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
1920	North: Multiple commercial tenants (107 West 25th Street)

City Directory Search for Adjacent Properties

Year(s)	Occupant Listed
	East: Multiple commercial tenants (108-110 West 25th Street)
1923	North: Multiple commercial tenants (107 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
1927	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
1934	East: Multiple commercial tenants (108-110 West 25th Street)
1938	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1942	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1947	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1950	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1956	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1958	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1963	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1968	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1973	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
1978	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
1983	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial and residential tenants (120 West 25th Street)
1988	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial and residential tenants (120 West 25th Street)
1993	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)

City Directory Search for Adjacent Properties	
Year(s)	**Occupant Listed**
	West: Multiple commercial tenants (120 West 25th Street)
1998	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
2000	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
2006	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial and residential tenants (108-110 West 25th Street)
	West: Multiple commercial and residential tenants (120 West 25th Street)
2008	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)
2013	North: Multiple commercial and industrial tenants (107-119 West 25th Street)
	East: Multiple commercial tenants (108-110 West 25th Street)
	West: Multiple commercial tenants (120 West 25th Street)

According to the city directory review, the adjacent properties have been occupied by various commercial, residential and industrial tenants, including sewing machine, printing, die cutting, photography and clothing tenants. Based on the lack of open releases, and hazardous materials listing in the regulatory database, these adjacent properties are not expected to represent a significant environmental concern to the subject property.

Copies of reviewed city directories are included in Appendix B of this report.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from EDR on November 3, 2014. The following observations were noted to be depicted on the subject property and adjacent properties during the topographic map review:

Date:	*1900-1947*
Subject Property:	Depicted as developed
North:	Depicted as developed across West 25th Street
South:	Depicted as developed across West 24th Street
East:	Depicted as developed
West:	Depicted as developed

Date:	*1956-1995*
Subject Property:	Depicted as shaded indicating dense urban development
North:	Depicted as shaded indicating dense urban development across West 25th Street
South:	Depicted as shaded indicating dense urban development across West 24th Street
East:	Depicted as shaded indicating dense urban development
West:	Depicted as shaded indicating dense urban development

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 State Department

Regulatory Agency Data	
Name of Agency:	New York State Department of Environmental Conservation (NYSDEC)
Point of Contact:	NYSDEC
Agency Address:	47-40 21st Street, Long Island City, New York
Agency Phone Number:	(718) 482-4900
Date of Contact:	November 3, 2014
Method of Communication:	Email
Summary of Communication:	As of the date of this report, Partner has not received a response from the NYSDEC for inclusion in this report. Partner reviewed available records online from the Petroleum Bulk Storage (PBS) database, Spills Incidents database, and Remedial Site database. No records were identified for the subject property.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.2 Health Department

Regulatory Agency Data	
Name of Agency:	New York City Department of Health and Mental Hygiene (NYCDOH)
Point of Contact:	Records Access Officer
Agency Address:	125 Worth Street, New York, New York
Agency Phone Number:	(646) 632-6006
Date of Contact:	November 3, 2014
Method of Communication:	Faxed Request
Summary of Communication:	As of the date of this report, Partner has not received a response from the NYCDOH for inclusion in this report.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.3 Fire Department

Regulatory Agency Data	
Name of Agency:	New York City Fire Department (FDNY)
Point of Contact:	Public Records Unit/Tanks Section
Agency Address:	9 MetroTech Center, Brooklyn NY 11201
Agency Phone Number:	(718) 999-2441
Date of Contact:	November 3, 2014
Method of Communication:	Mailed Request
Summary of Communication:	As of the date of this report, Partner has not received a response from the FDNY for inclusion in this report.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.4 Building Department

Regulatory Agency Data	
Name of Agency:	New York City Building Department (NYCDOB)
Point of Contact:	Online
Agency Address:	N/A
Agency Phone Number:	N/A
Date of Contact:	November 5, 2014
Method of Communication:	Online
Summary of Communication:	Records were available for review, as further discussed in the following table.

Building Records Reviewed for 112 West 25th Street (Subject Property)		
Year(s)	**Permit Numbers**	**Description**
1990	100124740-01-AL	Replace existing steel support brick arch with new reinforced concrete slab and repair sidewalk
1991	100760829-01-EW OT	Alteration – General Construction
1995	100815931-01-AL	Alteration – no work to be performed
1996	100815931-02-PL	Alteration – Plumbing
1996	101078209-01-EW OT	Alteration – sign support
1996	101078218-01-SG	Sign
1996	101311457-01-AL	Alteration – General Construction
1997	101434137-01-EW OT	Alteration - Partitions, create new electric meter enclosure
1999	102201555-01-EW OT	Alteration – structural / Conc
2001	102594694-01-SG	Sign
2001	102594701-01-SG	Sign
2001	102594710-01-SG	Sign
2001	102594729-01-SG	Sign
2006	104273126-01-EQ SH	Alteration- construction equipment – sidewalk shed
2006	104323475-01-EW OT	Alteration – Proposed structural repairs, roof waterproofing, and replacement of fireproofing
2006	104323475-01-EQ FN	Alteration- construction equipment - Fence
2006	104511672-01-EQ SF	Alteration- construction equipment - Scaffold
2012	120622718-01-SG	Sign
2014	140182567-01-EQ SH	Alteration- construction equipment
2014	140188080-01-EQ SF	Alteration- construction equipment

A copy of pertinent documents is not included in Appendix B of this report.

4.1.5 Planning Department

Regulatory Agency Data	
Name of Agency:	New York City Open Accessible Space Information System (OASIS)
Point of Contact:	Online property information
Agency Address:	N/A
Agency Phone Number:	N/A
Date of Contact:	November 5, 2014
Method of Communication:	Online review

Regulatory Agency Data	
Summary of Communication:	According to records reviewed, the subject property is zoned M1-6 for commercial development by the City of New York.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.6 Assessor's Office

Regulatory Agency Data	
Name of Agency:	New York City Department of Finance (NYCDOF)
Point of Contact:	Automated City Register Information System (ACRIS) online
Agency Address:	N/A
Agency Phone Number:	N/A
Date of Contact:	November 5, 2014
Method of Communication:	Online review
Summary of Communication:	According to records reviewed, the subject property is identified by Block 800 Lots 49. Ownership is currently vested in 112-118 West 25th LLC since 2013.

A copy of pertinent documents is not included in Appendix B of this report.

4.1.7 City Department of Environmental Protection

Regulatory Agency Data	
Name of Agency:	New York City Department of Environmental Protection (NYCDEP)
Point of Contact:	Records Officer
Agency Address:	59-17 Junction Boulevard, 19th Floor, Flushing NY 11373
Agency Phone Number:	(718) 595-6543
Date of Contact:	November 3, 2014
Method of Communication:	Faxed Request
Summary of Communication:	As of the date of this report, Partner has not received a response from the NYCDEP for inclusion in this report.

A copy of pertinent documents is not included in Appendix B of this report.

4.2 Mapped Database Records Search

Information from standard federal, state, county, and city environmental record sources was provided by EDR. Data from governmental agency lists are updated and integrated into one database, which is updated as these data are released. The information contained in this report was compiled from publicly available sources and the locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

Radius Report Data				
Database	**Search Radius (mile)**	**Subject Property**	**Adjacent Properties**	**Sites of Concern**
Federal NPL or Delisted NPL Site	1.00	N	N	N
Federal CERCLIS Site	0.50	N	N	N
Federal CERCLIS-NFRAP Site	0.50	N	N	N
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, CESQG)	0.25	N	N	N
Federal IC/EC Registries	0.50	N	N	N
Federal ERNS Site	Subject Property	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site	0.50	N	N	N
State/Tribal Registered Storage Tank Sites (UST/AST)	0.25	N	**Y**	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.50	N	**Y**	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
EDR MGP	Varies	N	N	N
EDR US Hist Auto Station	Varies	**Y**	N	N
EDR US Hist Cleaners	Varies	N	N	N

4.2.2 Subject Property Listings

The subject property is identified as an EDR US Historical Auto Station site in the regulatory database report, as discussed below:

- The subject property, at 112 West 25th Street, is identified as a EDR US Historical Auto Station for the tenants identified as Jamie's Auto Body from 1999 to 2008 and NY Towing and Auto Repair in 2011 and 2012. Although hazardous substances and petroleum products were likely associated with the former auto repair operations conducted on the subject property, no evidence of improper storage or handling of these materials was reported to the local regulatory agencies. No evidence of a release was observed during the site reconnaissance. The subject property is not listed for any spills or releases in connection with the use or handling of these materials. During site reconnaissance, Partner observed evidence of eight USTs and eight hydraulic lifts at the subject property. Reportedly, the USTs have been abandoned in place (filled with sand); however, no documentation is available. A prior Phase I ESA and Phase II ESA were performed at the subject property in 2006 in regards to the UST and is further discussed in Section 5.2.6.

4.2.3 Adjacent Property Listings

The adjacent property to the east is identified as an AST site in the regulatory database report, as discussed below:

- The property, identified as Condominium Assoc. at 108 West 25 Street, is located adjacent to the east of the subject property, hydrologically up-gradient. This site reportedly operates a 4,000-gallon #6 Fuel Oil AST (PBS: 2-406848) which was installed December 1, 1973. According to the regulatory database, the tank type is steel/carbon and steel/iron, and equipped with a product level gauge, suction dispenser, and is in a subterranean vault with access for inspections. Based on the location of the tank, and lack of documented releases, this listing is not expected to represent a significant environmental concern.

The adjacent property to the north is identified as an AST and Historical AST site in the regulatory database report, as discussed below:

- The property, identified at 119 W 25th Street, is located adjacent to the north of the subject property, hydrologically cross-gradient. This site reportedly operated a 6,000-gallon #2 Fuel Oil AST (PBS: 2-24389) which was reportedly closed prior to March 1991. According to the regulatory database, the tank type is steel/carbon and steel/iron, and equipped with a product level gauge, suction dispenser, and was in a subterranean vault with access for inspections. Based on the location of the tank, and lack of documented releases, this listing is not expected to represent a significant environmental concern.

The adjacent property to the west is identified as a Spills, AST, and Historical AST site in the regulatory database report, as discussed below:

- The property, identified at 119 West 24th Street, is located adjacent to the west of the subject property, hydrologically down-gradient. This site reported a release (Spill # 8800769) of PCB Oil on March 7, 1988, which reportedly impacted soil. The release was reported to the NYSDEC. According to the regulatory database report, "S&W came up with PCB elevated concentration of contaminated debris upon disposal. Material removed and report given to BECI unit. New tank system installed." The responsible party is identified as F&M Ring, and regulatory closure was obtained on December 29, 1988.

  Additionally, this site reportedly operates a 5,000-gallon #2 Fuel Oil AST (PBS: 2-270121) which has an unknown installation date. According to the regulatory database, the tank type is steel/carbon steel/iron, and equipped with interstitial-electronic monitoring a vent whistle, suction dispenser, and is in contact with soil. Based on the current regulatory status, responsible party identified, and inferred direction of groundwater flow, these listing is not expected to represent a significant environmental concern.

The adjacent property to the north is identified as an AST and Historical AST site in the regulatory database report, as discussed below:

- The property, identified at 107 West 25th Street, is located adjacent to the north of the subject property, hydrologically up-gradient. This site reportedly operated a 3,000-gallon #2 Fuel Oil AST (PBS: 2- 601322) which was installed March 31, 1982. According to the regulatory database, the tank type is steel/carbon steel/iron, and equipped with a product level gauge, suction dispenser, and is in contact with soil. Based on the location of the tank, and lack of documented releases, this listing is not expected to represent a significant environmental concern.

The adjacent property to the east is identified as an AST and Historical AST site in the regulatory database report, as discussed below:

- The property, identified at 109-111 West 25th Street, is located adjacent to the east of the subject property, hydrologically up-gradient. This site reportedly operated a 2,000-gallon #2 Fuel Oil AST (PBS: 2- 606066) which was installed January 1, 1971. According to the regulatory database, the tank type is steel/carbon steel/iron, and equipped with a product level gauge, suction dispenser, and is in a subterranean vault with access for inspections. Based on the location of the tank, and lack of documented releases, this listing is not expected to represent a significant environmental concern.

The adjacent property to the south is identified as a Spills site in the regulatory database report, as discussed below:

- The property, identified as Construction Site at 110 West 24th Street, is located adjacent to the south of the subject property, hydrologically down-gradient. This site reported a release (Spill # 0105588) of Unknown Petroleum on August 15, 2001, which reportedly impacted soil. The release was reported to the New York State Department of Environmental Conservation (NYSDEC). According to the regulatory database report, "S&W came up with PCB elevated concentration of contaminated debris upon disposal. Material removed and report given to BECI unit. New tank system installed." The responsible party is identified as F&M Ring, and regulatory closure was obtained on September 8, 2003. Based on the current regulatory status, responsible party identified, and inferred direction of groundwater flow, these listing is not expected to represent a significant environmental concern.

4.2.4 Sites of Concern Listings

No sites of concern are identified in the regulatory database report.

4.2.5 Orphan Listings

A total of twenty-five (25) orphan listings are identified in the regulatory database report, however, none were identified to be at the subject property or an adjacent property.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13, Partner requested the following site information from Shanghai Commercial Bank (User of this report).

User Responsibilities				
Item	**Provided By User**	**Not Provided By User**	**Discussed Below**	**Does Not Apply**
Environmental Pre-Survey Questionnaire			**X**	
Title Records, Environmental Liens, and AULs			**X**	
Specialized Knowledge			**X**	
Actual Knowledge			**X**	
Valuation Reduction for Environmental Issues			**X**	
Identification of Key Site Manager	**Section 5.1.3**			
Reason for Performing Phase I ESA	**Section 1.1**			
Prior Environmental Reports		**X**		
Other		**X**		

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property since 2013, identified as 112-118 West 25th LLC, was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User. The information requested was not received prior to the issuance of this report. Because the Report User (Client) is a lender, it is understood that the Report User would not have knowledge of the property that would significantly impact our ability to satisfy the objectives of this assessment. The lack of this information is not considered to represent a significant data gap.

5.1.3 Interview with Key Site Manager

Mr. William Hunsberger, key site manager, indicated that he had no information pertaining to any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

According to Mr. Hunsberger, the subject property was historically used as a parking garage and gasoline filing station which utilized eight gasoline USTs, as further discussed in Section 5.2.6. Additionally, Mr. Hunsberger stated the subject property is slated to be demolished in the upcoming months and redeveloped with a thirty-eight story hotel. In preparation for demolition the subject property has been disconnected from electric and water utilities and the sewer connection is also planned to be disconnected. As part of the redevelopment of the property, Mr. Hunsberger stated that the site may need to be excavated in order to accommodate the new cellar and sub-cellar.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap.

5.1.5 Interview with Others

As the subject property is not an abandoned property as defined in ASTM 1527-13, interview with others were not performed.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment. Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.3 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.4 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

5.2.5 Previous Reports and Other Provided Documentation

The following information was provided to Partner for review during the course of this assessment:

Phase I Environmental Site Assessment, Merritt Engineering Consultants, P.C. (July 14, 2006)

Merritt Engineering Consultants, P.C. (MEC) prepared this report in general accordance with ASTM Standard E1527-00. Pertinent information contained in this report is summarized below:

- At the time of the 2006 assessment, the subject property was occupied by a three-story commercial parking garage with a 290 car capacity.
- The basement houses the main utilities and heating for the site is via electric baseboard heaters located in the office area.
- MEC identified one abandoned hydraulic lift onsite. MEC stated if no documentation was provided on the abandonment further evaluation of the lift is necessary.
- MEC indicated during the inspection of the basement area that no access to the boiler room vault was available and additional investigation is necessary.
- MEC identified the presence of eight 550-gallon gasoline USTs under the basement floor. In addition, Sanborn Maps for the years 1930-1996 identify the presence of the eight gasoline tanks buried onsite. No documentation of the abandonment of the USTs was provided and a subsurface investigation was recommended.

Environmental Subsurface Assessment Report, Don Carlo Environmental Services, Inc (August 16, 2006)

Don Carlo Environmental Services, Inc (DCES) prepared this report in general accordance with ASTM Practice E 1903 and NYDEC SPOTS Memo 14. Pertinent information contained in this report is summarized below:

- Investigative activities were conducted for assessing the subsurface quality of the soils surrounding the eight, 550-gallon USTs were previously abandoned in place with sand by others. However, no documentation was available in order to confirm the abandonment.
- DCES advanced five borings (B1-B5) on within the south and west perimeters of the tank area on the subject property. Five soil samples (B1-S1 and B5-S1) collected from the terminus of the boring and were analyzed under EPA Methods STARS 8021 for Volatile Organic Compounds.
- Laboratory analysis of the soil samples did not identify impacts above the laboratory reporting limits or the NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs).

Asbestos Assessment, Environmental Consulting & Management Services Inc. (October 10, 2013)

Environmental Consulting & Management Services Inc. prepared this report in response to upcoming planned demolition activities and as such, in accordance with The New York State Department of Labor and New York City DEP along with OSHA and EPA requirements, the property or areas scheduled to undergo renovation/demolition must be completely inspected and all asbestos containing materials abated prior to demolition or any renovation activities that would damage any materials found to contain asbestos. Pertinent information is summarized below:

- The structure consisted of a four story parking garage. The floors consisted of mainly concrete and steel. A few exterior offices on the north side were identified as well. Throughout the building, the floors, walls and ceilings were concrete. On the third floor sheetrock was attached while on the lower floors the ceilings were exposed. Metals beams and columns were inconsistently fire-proofed with spray-applied fireproofing. No heating or mechanical spaces were found or identified and we were advised that none existed. The windows did not contain caulk.
- The following building materials were collected and analyzed: (Wall Plaster/Brown Coat; Ceiling tile (small offices); Flooring (small offices); Sheetrock Ceiling (Top Floor); Fire-proofing (sprayed on beams and cement); Roofing (built-up, flashing and parapet wall mastics throughout roof); and Mortar
- Following sample analysis, the following materials were sampled and identified as containing asbestos greater than one percent (> 1%): Built-up Roofing – Approximately 22,500 sq. ft; North & South Parapet Walls – Approximately 1,200 sq. ft.; East & West Parapet Walls – Approximately 1,500 sq. ft.; and S.E. Stairwell Bulkhead Roof & Walls – Approximately 400 sq. ft.
- Based upon the inspection, sample collection and subsequent analytical data following laboratory analysis, all materials found to be asbestos containing need to be abated by licensed asbestos abatement contractors prior to building demolition.

Copies of pertinent pages reviewed are included in Appendix B of this report.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data	
Site Assessment Performed By:	Ryan Reynics
Site Assessment Conducted On:	November 5, 2014

The table below provides the subject property personnel interviewed during the field reconnaissance:

Site Visit Personnel for 112 West 25th Street (Subject Property)			
Name	**Title/Role**	**Contact Number**	**Site Walk* Yes/No**
William Hunsberger	Key Site Manager	(212) 761-4764	Yes

* Accompanied Partner during the field reconnaissance activities and provided information pertaining to the current operations and maintenance of the subject property

Environmental concerns were identified during the onsite reconnaissance related to current/former USTs are further discussed in Sections 6.1 and 6.2.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Partner observed the subject property to be a vacant parking garage and office at the time off assessment with no solid waste currently being generated. Additionally, no evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

6.1.2 Sewage Discharge and Disposal

Sanitary discharges on the subject property are directed into the municipal sanitary sewer system. The City of New York services the subject property vicinity. No wastewater treatment facilities or septic systems are observed or reported on the subject property.

6.1.3 Surface Water Drainage

Storm water is removed from the subject property primarily by sheet flow action across the paved surfaces towards storm water drains located in the public right of way. The subject property is connected to a municipal owned and maintained sewer system.

The subject property does not appear to be a designated wetland area, based on information obtained from the United States Department of Agriculture; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

The heating system for subject property is electric baseboard heaters located in the office area.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater generated at the subject property is disposed by means of the sanitary sewer system. No industrial process is currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

Partner identified hazardous substances used, stored, and/or generated on the subject property as noted in the following table:

Hazardous Substances and/or Petroleum Products Noted Onsite				
Substance	**Container Size**	**Location**	**Nature of Use**	**Disposal Method**
Gasoline	8X 550-gallon USTs	Northeast Portion of Cellar	Gasoline Station	N/A
Paints	3X 5-gallon cans	Second Floor	Routine Maintenance	N/A

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

Partner observed eight vent pipes traversing the wall and extending though the roof of the subject property building. According to review of historical documentation the subject property formerly utilized eight, 550-gallon gasoline USTs. These USTs appear on Sanborn maps as early as 1930. According to the previous reports, discussed in Section 5.2.6, the USTs were reportedly abandoned in place; however, no documentation or regulatory information is available. Based on the planned redevelopment of the subject property, the USTs will need to be removed and sampling and additional sampling may be required.

6.2.3 Evidence of Releases

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified: 1) Less than 50 parts per million (ppm) of PCBs – "*Non-PCB;*" 2) 50 ppm-500 ppm – "*PCB-Contaminated;*" and, 3) Greater than 500 ppm – "*PCB-Containing.*" The manufacture, process, or distribution in commerce or use of any PCB in any manner other than in a totally enclosed manner was prohibited after January 1, 1977.

Partner observed one hydraulic elevator and eight (8) aboveground hydraulic lifts at the time of assessment. The hydraulic elevator equipment was observed to be located in the cellar and in good condition with no spills, leaks or staining. The aboveground hydraulic lifts were observed to be located in the northeast portion of the second floor in good condition with no spills, leaks or staining. Based on the good condition of the equipment, the elevator and lifts are not expected to represent a significant environmental concern.

Additionally, no other potential PCB-containing equipment (interior transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, balers, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The

Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be *presumed* to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building constructed prior to 1981 and have not been appropriately tested are "presumed asbestos-containing material" (PACM).

The subject property building was constructed in prior to 1880. Partner has conducted a limited, visual evaluation of accessible areas for the presence of suspect ACMs at the subject property. The objective of this visual survey was to note the presence and condition of suspect ACM observed. Please refer to the table below for identified suspect ACMs:

Suspect ACMs			
Suspect ACM	**Location**	**Friable Yes/No**	**Physical Condition**
Drywall Systems	Throughout Building Interior	No	Good
Floor Tiles	Throughout Building Interior	No	Good
Floor Tile Mastic	Throughout Building Interior	No	Good
Ceiling Tiles	Throughout Building Interior	Yes	Good
Roofing Materials	Roof	No	Good

**Please see section 5.2.2 for further information.*

The limited visual survey consisted of noting observable materials (materials which were readily accessible and visible during the course of the site reconnaissance) that are commonly known to potentially contain asbestos. This activity was not designed to discover all sources of suspect ACM, PACM, or asbestos at the site; or to comply with any regulations and/or laws relative to planned disturbance of building materials such as renovation or demolition, or any other regulatory purpose. Rather, it is intended to give the User an indication if significant (significant due to quantity, accessibility, or condition) potential sources of ACM or PACM are present at the subject property. Additional sampling, assessment, and evaluation will be warranted for any other use.

Partner was not provided building plans or specifications for review, which may have been useful in determining areas likely to have used ACM.

According to the US EPA, ACM and PACM that is intact and in good condition can, in general, be managed safely in-place under an Operations and Maintenance (O&M) Program until removal is dictated by renovation, demolition, or deteriorating material condition. Prior to any disturbance of the construction materials within this facility, a comprehensive ACM survey is recommended.

6.3.2 Lead-Based Paint (LBP)

Due to the commercial nature of use of the subject property, LBP was not considered within the scope of this assessment.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and

local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 3. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the New York City Department of Environmental Conservation (NYCDEP) serves the subject property vicinity. According to a representative of the NYCDEP, shallow groundwater directly beneath the subject property is not utilized for domestic purposes. The sources of public water for the City of New York are surface water from the Catskill/Delaware System, located in Delaware, Green Schoharie, Sullivan, and Ulster counties; and the Croton System, located in Putnam, Westchester and Dutchess counties.

According to the City of New York and the 2013 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Partner observed accessible, interior areas for the subject property building for significant evidence of mold growth with the exceptions detailed in Section 1.5 of this report; however, this ESA should not be used as a mold survey or inspection. Additionally, this limited assessment was not designed to assess all areas of potential mold growth that may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication as to whether or not conspicuous (based on observed areas) mold growth is present at the subject property. This evaluation did not include a review of pipe chases, mechanical systems, or areas behind enclosed walls and ceilings.

Partner observed the subject property to be vacant at the time of assessment. The overall interior of the condition of the subject was observed to be in fair condition with areas water damage and mold growth due to water infiltration from the roof.

6.4 Adjacent Property Reconnaissance

The adjacent property reconnaissance consisted of observing the adjacent properties from the subject property premises.

6.4.1 ASTs/USTs for Hazardous Substances or Petroleum Products

Partner observed the presence of a vent pipe at 119-125 West 24th Street as further discussed in Section 4.2.3.

7.0 FINDINGS AND CONCLUSIONS

Findings

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: due to release to the environment; under conditions indicative of a release to the environment; or under conditions that pose a material threat of a future release to the environment. The following was identified during the course of this assessment:

- Partner reviewed a previous *Phase I ESA*, dated July 14, 2006, prepared by Merritt Engineering Consultants (MEC) and an *Environmental Subsurface Assessment Report*, dated August 16, 2006 prepared by Don Carlo Environmental Services, Inc (DCES). According to the Phase I ESA, underground storage tanks (USTs) and hydraulic lifts are present on the subject property; however, no closure documentation was available to determine regulatory closure was achieved. According to the review of historical documents, the subject property formerly utilized eight, 550-gallon gasoline USTs. These USTs were identified on Sanborn Fire Insurance Maps as early as 1930 in the northeast corner of the subject property. During site reconnaissance, Partner observed eight vent pipes which further indicates the presence of the USTs. A prior report indicates a subsurface investigation was performed on August 7, 2006. The subsurface investigation included the advancement of five borings in the vicinity of the UST basin. The prior report states the USTs were reportedly filled with sand at an unknown time. There is no mention regarding the confirmed closure of the USTs. Soil samples were collected and analyzed under EPA Method STARS 8021 for Volatile Organic Compounds (VOCs). Laboratory analysis of the soil samples did not identify soil impacts above laboratory reporting limits and the NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs). Although, the analytical results did not identify a release in 2006, it remains unknown if the USTs have been properly abandoned in place. In addition, the subject property is proposed to be demolished, excavated and redeveloped. As such, the USTs will need to be removed and sampling may be required during the removal process in order to confirm no releases have occurred. As such, the USTs at the subject property are considered a recognized environmental condition to the subject property.

A *controlled recognized environmental condition (CREC)* refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls. The following was identified during the course of this assessment:

- Partner did not identify any controlled recognized environmental conditions during the course of this assessment.

A *historical recognized environmental condition (HREC)* refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria

established by a regulatory authority, without subjecting the property to any required controls. The following was identified during the course of this assessment:

- Partner did not identify any historical recognized environmental conditions during the course of this assessment.

An *environmental issue* refers to environmental concerns identified by Partner, which do not qualify as RECs; however, warrant further discussion. The following was identified during the course of this assessment:

- According to previous report reviewed identified as *Phase I Environmental Site Assessment* conducted by Merritt Engineering Consultants, P.C. dated July 14, 2006, an abandoned hydraulic lift was observed within the subject property building. Based on previous experience with hydraulic lifts, the quantity of hydraulic fluid used with this equipment is small. Based on the small quantity of hydraulic fluid used in connection with the operations of this equipment, the age of the equipment and the inferred depth to groundwater in the vicinity of the subject property, the presence of this equipment is not expected to represent a significant environmental concern. However, soil sampling may be required if the hydraulic lift is planned to be removed in the future.
- According to previous report reviewed identified as an *Asbestos Assessment* conducted by Environmental Consulting & Management Services Inc. dated October 10, 2013, a comprehensive survey was performed at the subject property of which materials identified as Built-up Roofing, North & South Parapet Walls, East & West Parapet Walls, and Stairwell Bulkhead Roof & Walls tested were identified as containing asbestos greater than one percent (> 1%).

Conclusions, Opinions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of 112 West 25th Street in the City of New York, New York County, New York (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property; however, environmental issues were identified. Based on the conclusions of this assessment, Partner recommends the following:

- The USTs should be removed during the redevelopment of the subject property. If warranted, soil and/or groundwater samples may be required by the regulatory agency. At the request of the User, Partner can provide services, such as a camera scope, of the vent pipes to the USTs in order to determine if the USTs have been properly closed in place.
- An Asbestos Operations and Maintenance (O&M) program should be developed to manage the asbestos-containing materials found at the subject property. The intent of the O&M program is to minimize the potential exposure of building occupants to airborne asbestos fibers. These materials will have to be properly abated prior to any renovation, repairs and/or demolition of the

buildings, in accordance with the Asbestos Hazard Emergency Response Act (AHERA - 40 CFR Part 763), the National Emission Standards for Hazardous Air Pollutants (NESHAP - 40 CFR 61, Subpart M), and all applicable local and state regulations.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at 112 West 25th Street in the City of New York, New York County, New York in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

Ryan Reynics
Environmental Scientist

Reviewed By:

Janet Annan
Senior Author

9.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13.

Environmental Data Resources (EDR), Radius Report, November 2014

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via internet, November 2014

United States Department of Agriculture, Natural Resources Conservation Service, accessed via internet, November 2014

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, November 2014

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, November 2014

United States Geological Survey, accessed via the Internet, November 2014

United States Geological Survey Topographic Map 1995, 7.5 minute series, accessed via internet, November 2014

FIGURES

1 SITE LOCATION MAP

2 SITE PLAN

3 TOPOGRAPHIC MAP

PARTNER

FIGURE 1: SITE LOCATION MAP

Project No. 14-129276.1

Drawing Not To Scale

N

PARTNER

KEY: Subject Site UST (UST)

GROUNDWATER FLOW

FIGURE 2: SITE PLAN

Project No. 14-129276.1

Drawing Not To Scale

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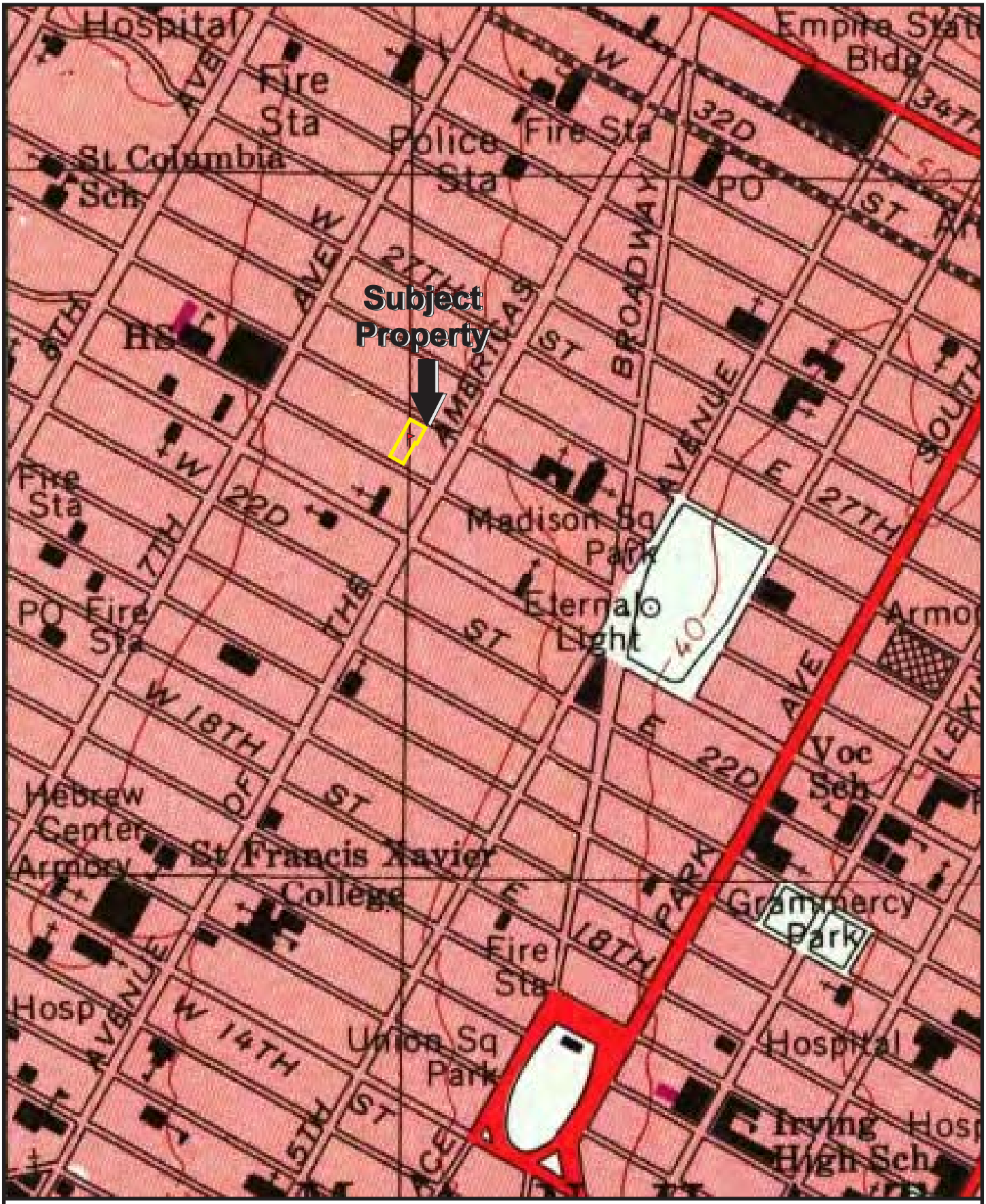
PARTNER



USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1995

FIGURE 3: TOPOGRAPHIC MAP

Project No. 14-129276.1

N

PARTNER

APPENDIX A: SITE PHOTOGRAPHS

PARTNER

1. View of subject property along West 25th Street.

2. View of subject property along West 24th Street.

3. View of subject property along West 25th Street.

4. View of gasoline UST vent pipes.

5. View of cellar level parking area.

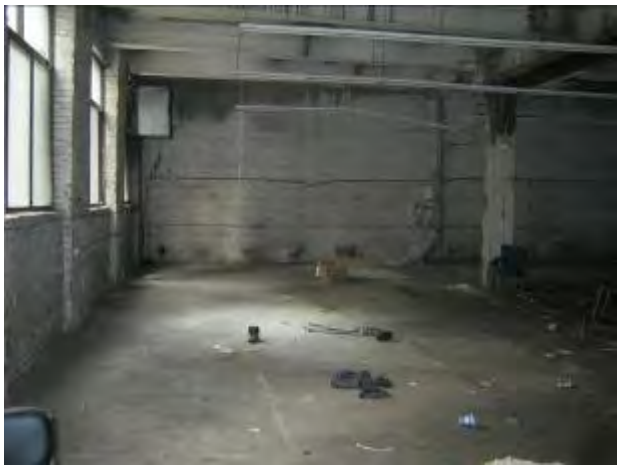
6.View of cellar level parking area.

7. View of electrical room on cellar level.

8. View of hydraulic elevator equipment on cellar level.

9. View of ramp to West 25th Street to the east of the location of the USTs.

10. View of typical bathroom.



11. View of first floor parking area.

12. View of presumed location of USTs under cellar level concrete floor in northeast portion of subject property.

13. View of ramp leading from West 25th Street to second floor parking area.

14. View of ramp leading from West 25th Street to second floor parking area.

15. View of paint storage in first floor office space.

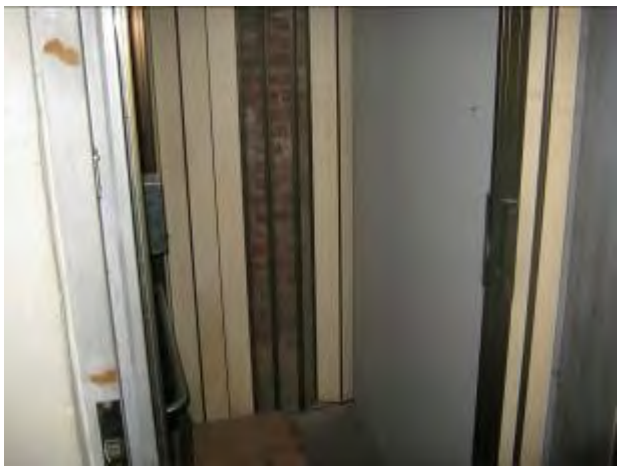
16. View of water damaged ceiling tiles in first floor office space.

17. View of second floor parking area.

18. View of hydraulic lifts (8) on second floor parking area.

19. View of vent pipes leading to roof.

20. View of brick façade leading to roof.



21. View inside hydraulic elevator cab.

22. View of cellar level parking area.

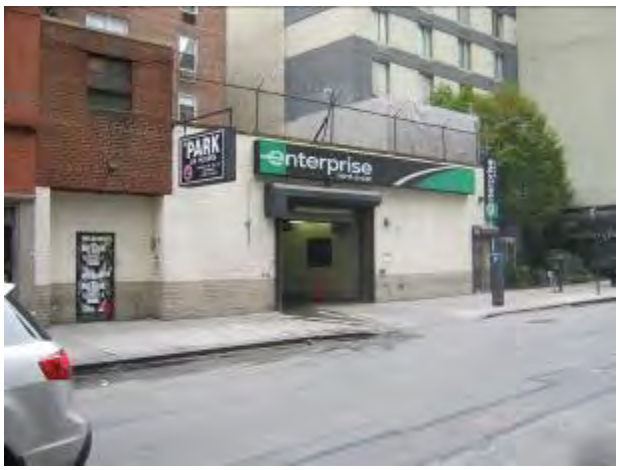
23. View of second floor parking area.

24. View to the east of adjacent property fire escapes.

25. View of northern adjacent properties.

26. View of south adjacent properties.

27. View of western adjacent property.



28. View of south adjacent properties.

29. View of eastern adjacent property.

30. View of western adjacent property.

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION

PARTNER

Date: 1924

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER

Date: 1943

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

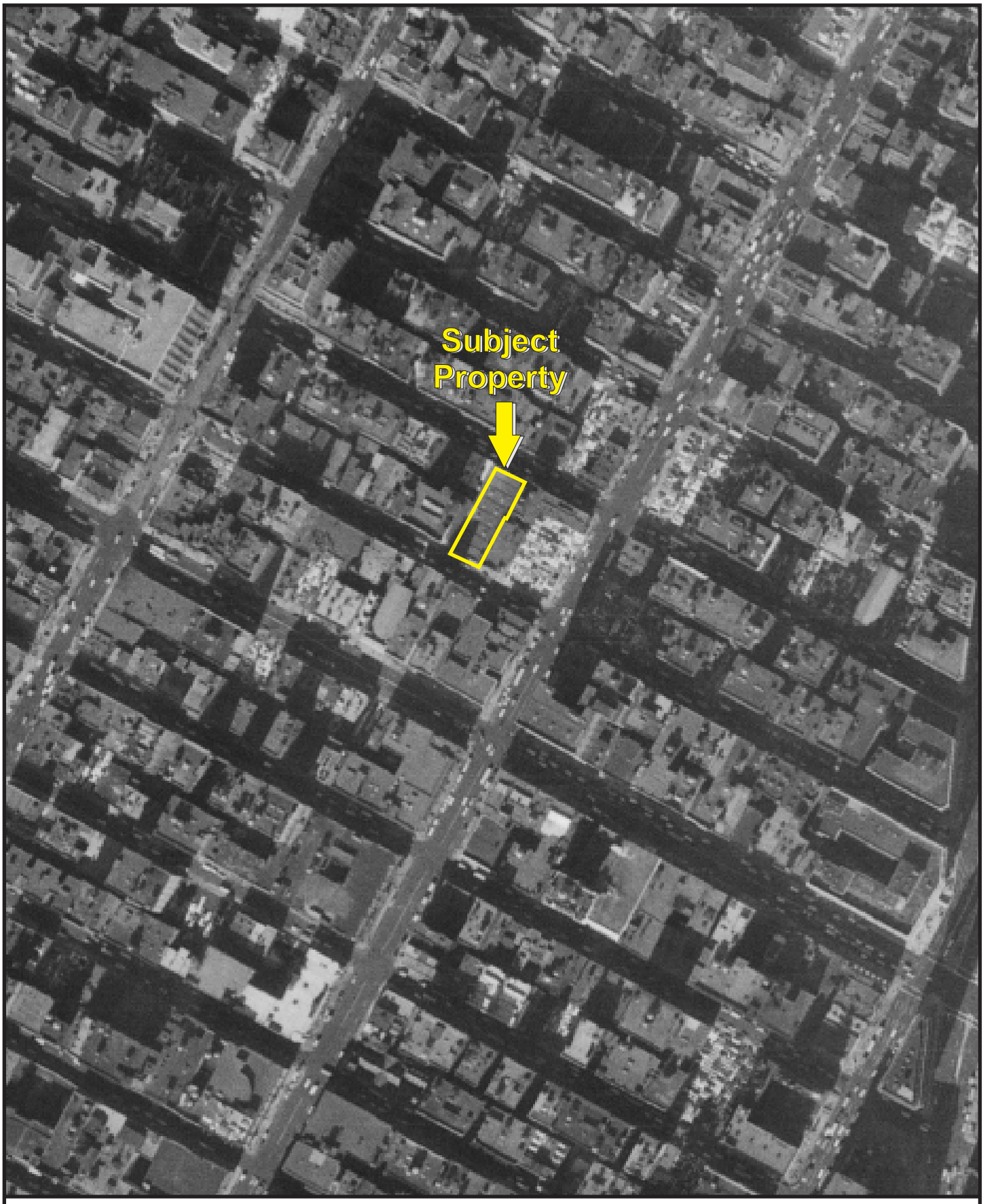
PARTNER

Date: 1954

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER



Date: 1966

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER

Date: 1974

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER

Date: 1984

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER

Date: 2006

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

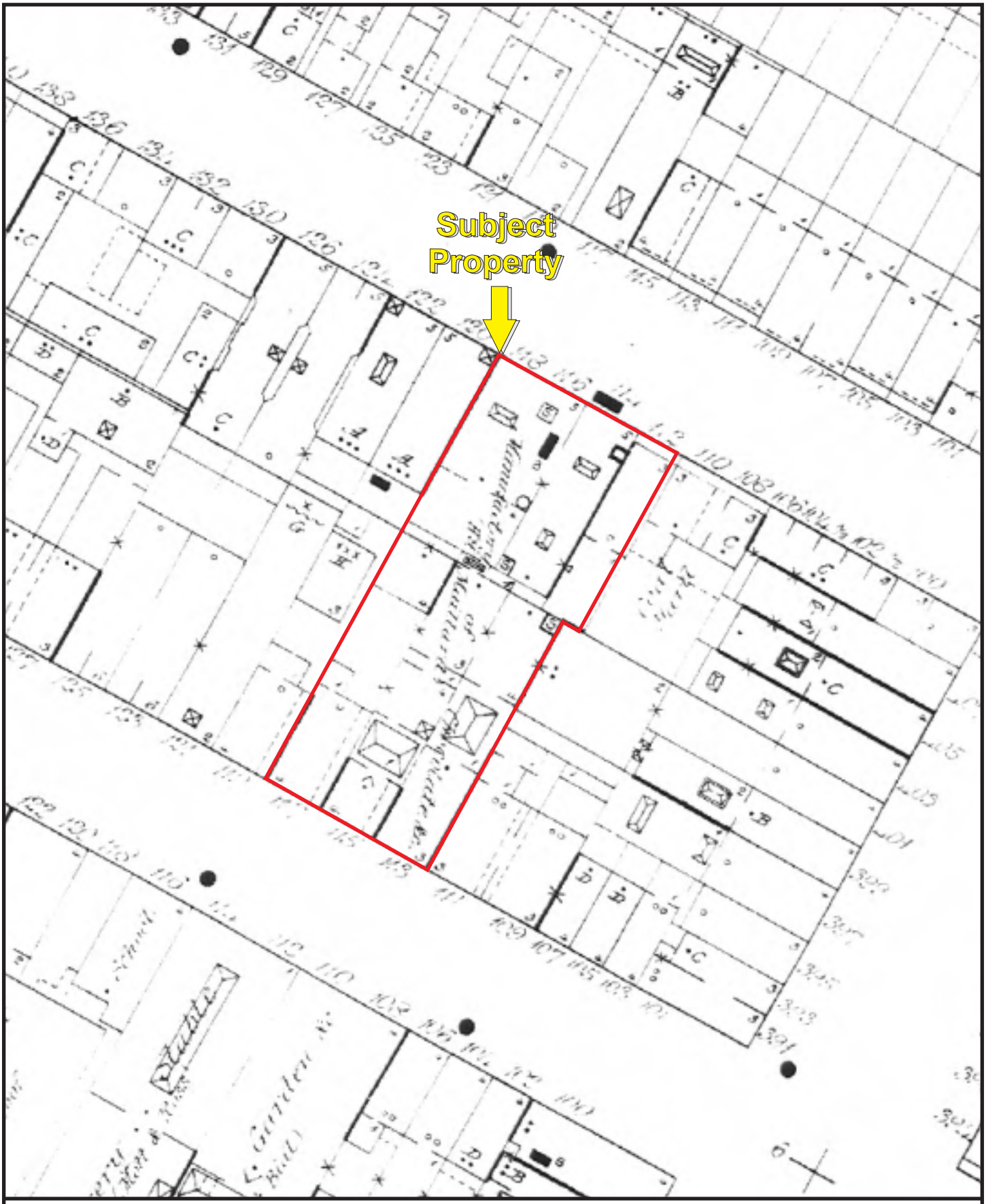
PARTNER

Date: 2011

APPENDIX B: AERIAL PHOTOGRAPHS

Project No. 14-129276.1

PARTNER



Date: 1890

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

Date: 1899

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

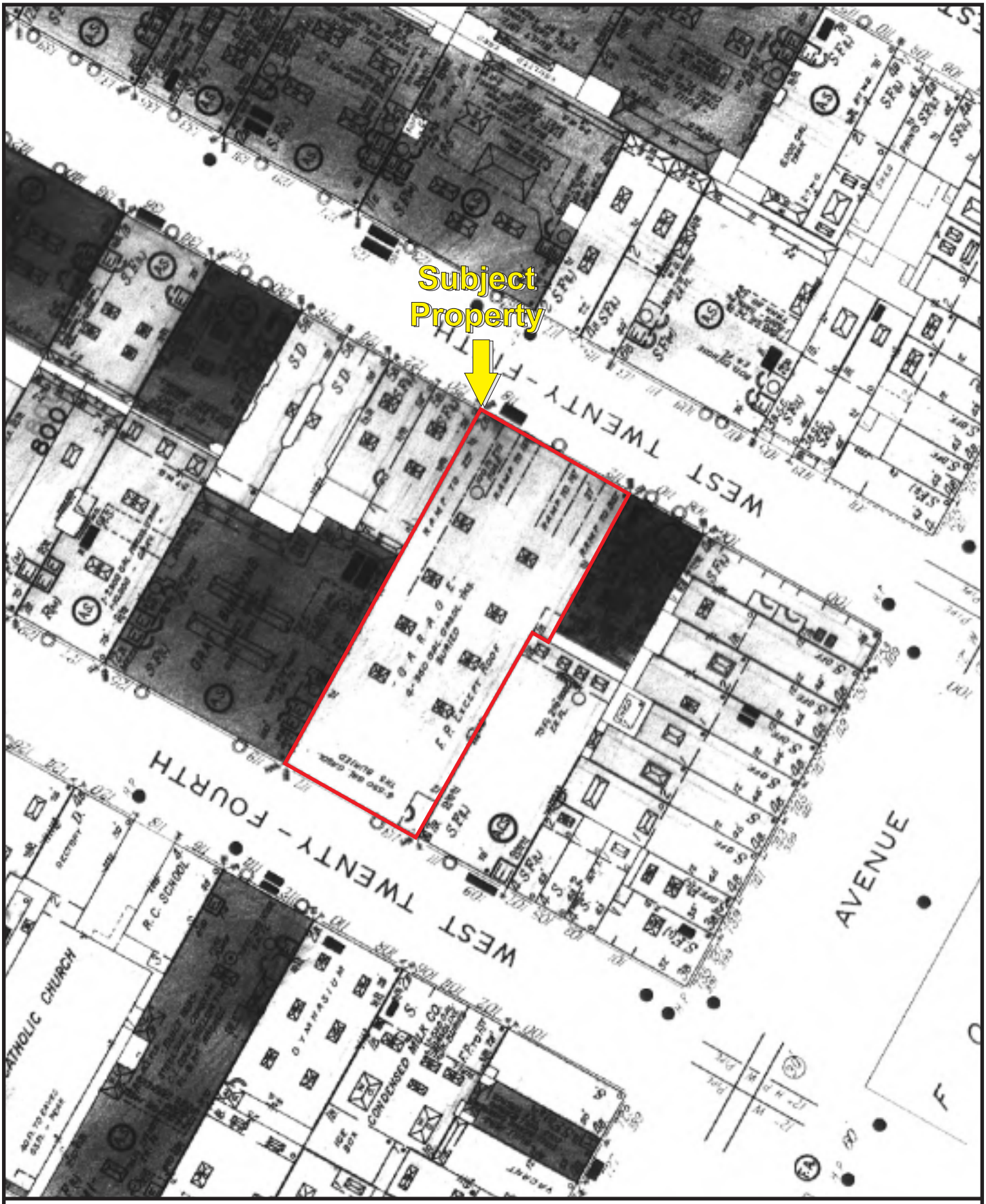
PARTNER

Date: 1911

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER



Date: 1930

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

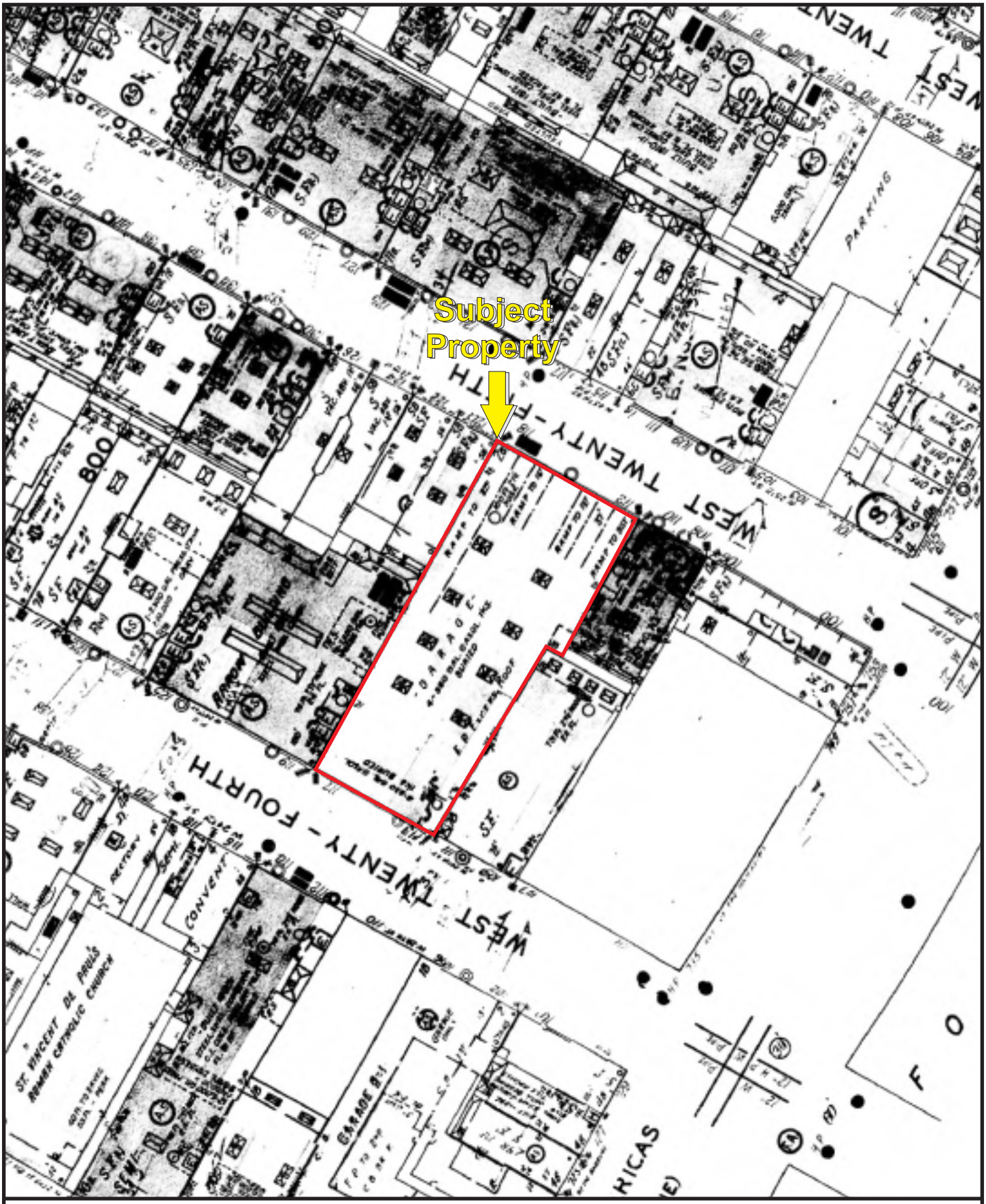
PARTNER

Date: 1950

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

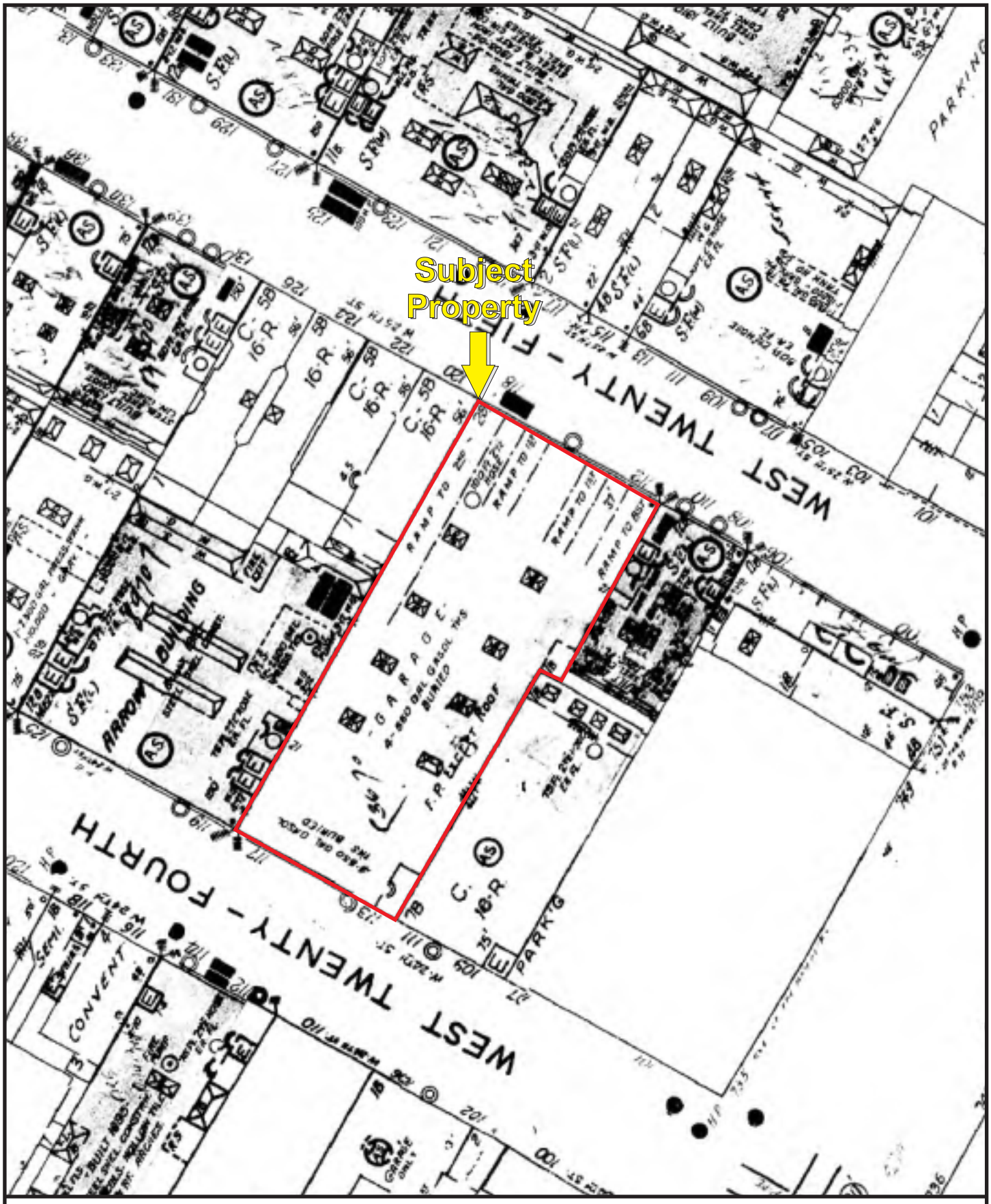


Date: 1976

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

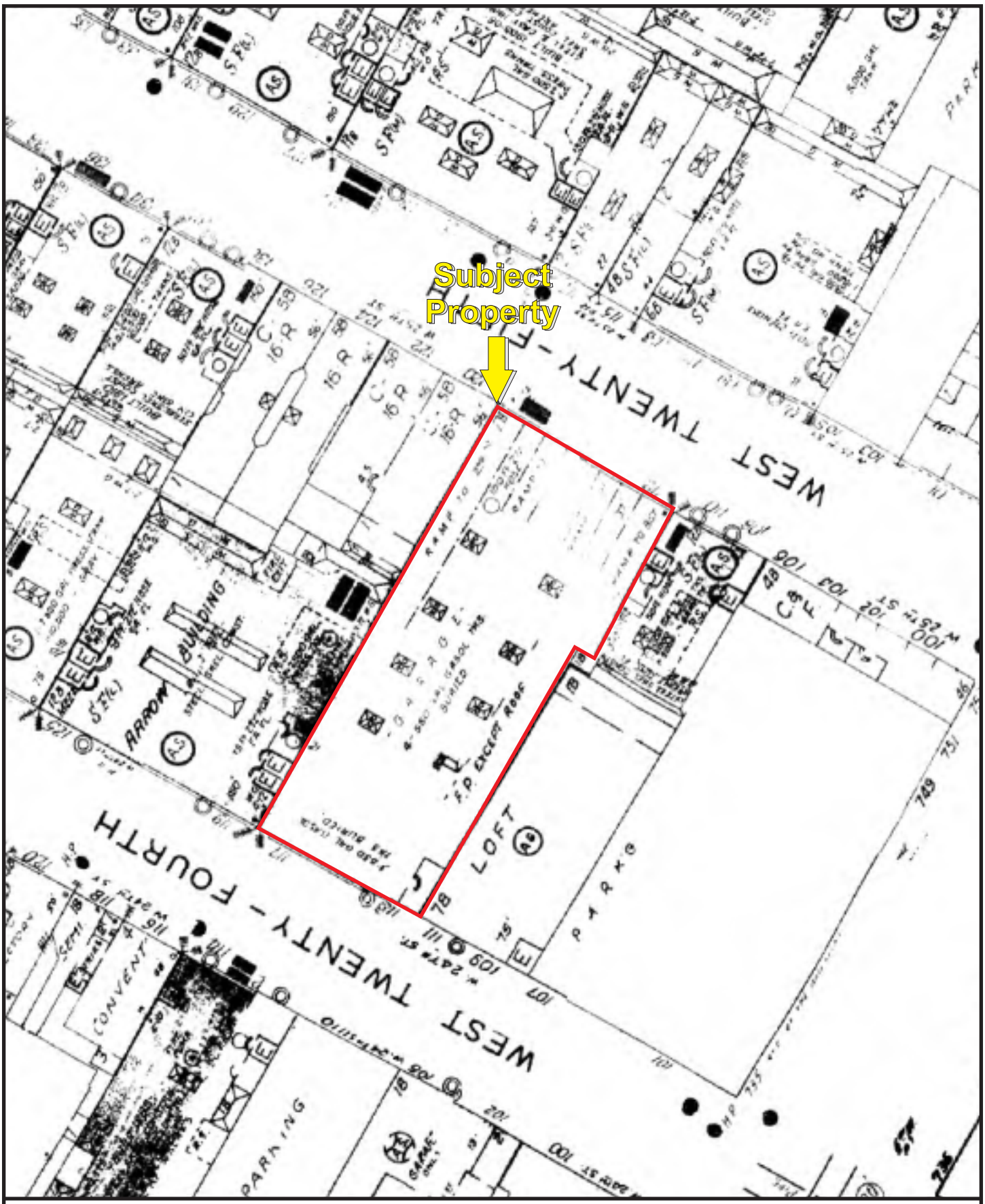


Date: 1987

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

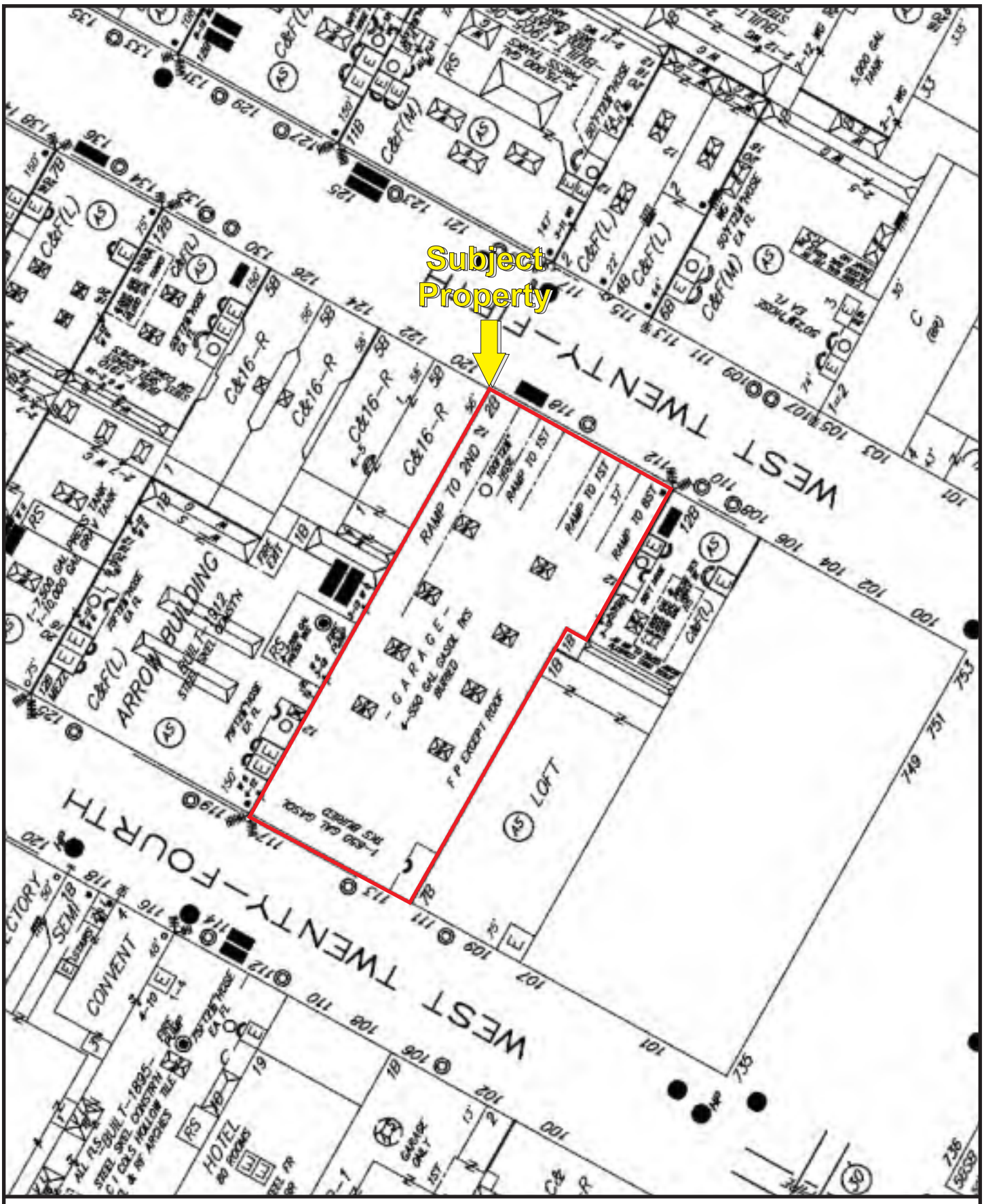


Date: 1996

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER



Date: 2005

APPENDIX B: FIRE INSURANCE MAPS

Project No. 14-129276.1

PARTNER

112 West 25th Street

112 West 25th Street
New York, NY 10001

Inquiry Number: 4124383.6
November 03, 2014

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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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 1920 through 2013. 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
2013	Cole Information Services	X	X	X	-
2008	Cole Information Services	X	X	X	-
2006	Hill-Donnelly Information Services	X	X	X	-
2000	Cole Information Services	X	X	X	-
1998	NYNEX Telephone	X	X	X	-
1996	NYNEX	-	-	-	-
1993	NYNEX Telephone	X	X	X	-
1988	NYNEX Telephone	X	X	X	-
1983	New York Telephone	X	X	X	-
1978	New York Telephone	X	X	X	-
1973	New York Telephone	X	X	X	-
1968	New York Telephone	X	X	X	-
1963	New York Telephone	X	X	X	-
1958	New York Telephone	X	X	X	-
1956	New York Telephone	X	X	X	-
1950	New York Telephone	X	X	X	-
1947	New York Telephone	X	X	X	-
1942	New York Telephone	X	X	X	-
1938	New York Telephone	X	X	X	-
1934	R. L. Polk & Co.	X	X	X	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	-	X	X	-
1927	New York Telephone	X	X	X	-
1923	R. L. Polk & Co.	-	X	X	-
1920	R. L. Polk & Co.	-	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

112 West 25th Street
New York, NY 10001

FINDINGS DETAIL

Target Property research detail.

W 25 ST

112 W 25 ST

Year	*Uses*	*Source*
1998	JAMIES AUTO BODY	NYNEX Telephone
	W 25 ST PARKING CORP	NYNEX Telephone
1993	SQUARE INDUSTRIES	NYNEX Telephone
1988	ACE GARAGE CO	NYNEX Telephone
	HOLIDAY DRIVE-UR SELF INC	NYNEX Telephone
	SQUARE INDUSTRIES	NYNEX Telephone
	SQUARE PLUS OPERATING CORP	NYNEX Telephone
1983	A-ONE PAKING CORP	New York Telephone
	A-ONE PARKOG CORP	New York Telephone
	ACE GARAGE CO	New York Telephone
	ALL CITY FIRE EXTINGUISHER CO	New York Telephone
	HOLIDAY DRIVE UR SELF INC	New York Telephone
1978	ACE GARAGE CO	New York Telephone
	HOLIDAY DRIVE UR SELF INC	New York Telephone
1973	ACE GARAGE CO	New York Telephone
	HOLIDAY DRIVE-UR-SELF INC	New York Telephone
1968	ACE GARAGE CO	New York Telephone
	BERRY JOHNNIE INC EXP & TRUKG	New York Telephone
	H0IDAY DRIVE UR SELF INC	New York Telephone
1963	ACE GARAGE CO	New York Telephone
1958	ACE GARAGE CO	New York Telephone
1956	ACE GARAGE CO	New York Telephone
1950	HIRSCH PHILIP B	New York Telephone
	SUPER GARAGE INC	New York Telephone
1947	MOE S SUPER GARAGE	New York Telephone
1942	MADISON GARAPE INC	New York Telephone

FINDINGS

Year	Uses	Source
1938	MADISON GARAGE INC	New York Telephone
1927	EL BEE GARAGE INC	New York Telephone

W 25TH

112 W 25TH

Year	Uses	Source
1934	Berkowitz Louis sec treas Pilot Garage Inc	R. L. Polk & Co.
	Elbee Garage Pilot Garage Inc	R. L. Polk & Co.
1927	El Bee Garage Inc	New York Telephone

W 25TH ST

112 W 25TH ST

Year	Uses	Source
2013	IR PARKING INCORPORATED	Cole Information Services
	NY TOWING & AUTO REPAIR	Cole Information Services
2008	ACE GARAGE INC	Cole Information Services
	I R PARKING	Cole Information Services
	JAMIES AUTO BODY	Cole Information Services
2006	I R Parking Inc is o	Hill-Donnelly Information Services
	Jamies Auto Body is	Hill-Donnelly Information Services
2000	JAMIES AUTO BODY	Cole Information Services
	W 25 ST PARK	Cole Information Services
1983	A One Paking Corp	New York Telephone
	A One Parkog Corp	New York Telephone
	Ace Garage Co	New York Telephone
	All City Fire Extinguisher Co	New York Telephone
	HOLIDAY DRIVE UR SELF INC	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

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

25TH

117 25TH

Year	Uses	Source
1934	Winograd Philip Chelsea Eloctric Co	R. L. Polk & Co.

122 25TH

Year	Uses	Source
1950	WYOTT MFG CO INC DIPONSRS	New York Telephone
1927	LOBEL S	New York Telephone

W 25

119 W 25

Year	Uses	Source
1923	Greshler Hyman furs	R. L. Polk & Co.

W 25 MANHATTAN TOLL FREE-DIAL 1 & THEN

122 W 25 MANHATTAN TOLL FREE-DIAL 1 & THEN

Year	Uses	Source
1998	AMERLITE	NYNEX Telephone

W 25 ST

104 W 25 ST

Year	Uses	Source
1983	CONTINENTK SEWING SUPL CO	New York Telephone
1978	CONTINENTAL SEWING SUPL CO	New York Telephone
1973	CONTINENTL SEWING SUPL CO	New York Telephone
1968	CONTINENTL SEWING SEAL CO	New York Telephone
	MASTERBILT SEWING MACH CO	New York Telephone
1963	CONTINENTL SEWING SUPL CO	New York Telephone
	MASTERBILT SEWING MACH CO	New York Telephone
1958	CONTINENTL SEWING SUPL CO	New York Telephone
	MASTERBILT SEWING MACH CO	New York Telephone

FINDINGS

Year	Uses	Source
1956	CONTINENTL SEWING MACHINE CO	New York Telephone
	SEWING MACH RESEARCH CORP	New York Telephone
1942	STEINBRECHER HARRY ELECTRCN	New York Telephone
	EMPIRE CUTTING MACH SVCE	New York Telephone
1938	ACE PLUMBING & HEATING	New York Telephone
	BLUMBERG S PLUMBING	New York Telephone
1927	LERNER JACK TRMNGS	New York Telephone

105 W 25 ST

Year	Uses	Source
1958	AA CONTRACTO CO	New York Telephone
	AMER PARTITI0N CON	New York Telephone
	DURABLE SEWING MACH CO	New York Telephone
	GOLDFARB H CARPNTR	New York Telephone
	JOHNSON S PRACTICAL MOVERS	New York Telephone
	LERMAN J & CO BUTN HOLA	New York Telephone
	PRICE FREDDIE MOVR	New York Telephone
	TUDOR LARRY SEWNG MACHS	New York Telephone
1956	AA CONTRACTG CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	BLEND MASTERS	New York Telephone
	DURABLE SEWING MACH CO	New York Telephone
	GOLDFARB H CARPNTR	New York Telephone
	JOHNSON S PRACTICAL MOVERS	New York Telephone
	LERMAN J & CO BUTNHOLS	New York Telephone
	TUDOR LARRY SEWNG MACHS	New York Telephone
1950	A CONTRACTO CO	New York Telephone
	ALBERGO JOST MACHNST	New York Telephone
	AMER PARTITION CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	CITY ELEC EQUIP CO	New York Telephone
	COML RACK CO	New York Telephone
	GENL ELEC CORP EXEC OFCS	New York Telephone
	GLASSMAN A L PLMBNG HEATING	New York Telephone
	GOLDFARB H CARPETR	New York Telephone
	JOHNSON S PRACTICAL MOVERS	New York Telephone
	RAGER & ALBERGO SEWNG MACHS	New York Telephone
	RAGER BILL MACHNST	New York Telephone
	RAOGER ERIC SWNG MACHS	New York Telephone

FINDINGS

Year	Uses	Source
1950	TUDOR LARRY SEWNG MACHS	New York Telephone
1947	AA CONTRACTG CO	New York Telephone
	ABC ELEC & MOTOR CO	New York Telephone
	AMER PARTLTION CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	APEX EXPORT & IMPORT CO INC	New York Telephone
	GLASSMAN A L PLMBNG HEATING	New York Telephone
	GOLDFARB H CARPNTR	New York Telephone
	JOHNSON S PRACTICAL MOVERS CORP	New York Telephone
	TUDOR LARRY SEWNG MACHS	New York Telephone
1942	AA CONTRACTG CO	New York Telephone
	AA MOVING &STORAGE CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	GOLDFARB H CARPNTI	New York Telephone
	GREENBERG HARRY MOVING	New York Telephone
	GREENBERG SAM OFC FIXTS	New York Telephone
	LOW RATE VAN CO	New York Telephone
	ROXY VAN &EXPRESS CO	New York Telephone
	TUDOR LARRY SEWNG MACHS	New York Telephone
1938	AAA ELEC CO	New York Telephone
	AA CONTRACTG CO	New York Telephone
	AA MOVING CO	New York Telephone
	AA VAN EXPRESS CO	New York Telephone
	A-1 CARPET & LINOLEUM CO	New York Telephone
	ABBEY OFFICE FURN CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	AMER PARTITION CO	New York Telephone
	ATLANTIC RIGGING CO	New York Telephone
	B & B EXPRESS & MOVING CO	New York Telephone
	BERNSTEIN JACK ELECTRECN	New York Telephone
	BORNSTEIN SOLOMON EXP	New York Telephone
	CAPITOL MOVING CO	New York Telephone
	GOLDFARB H CARPNTR	New York Telephone
	GREENBERG HARRY MOVING	New York Telephone
	GREENBERG SAM OFC FIXTS	New York Telephone
	LOW RATE VAN CO	New York Telephone
	ROXY VAN & EXPRESS CO	New York Telephone

FINDINGS

Year	Uses	Source
1938	SERVICE APPAREL CO	New York Telephone
	TUDOR LARRY SEWNG MACHS	New York Telephone
1927	BIMBLICK WOOLF JAPNG	New York Telephone
	KROLL L SEWING MACHS & ELECTRIC MOTORS	New York Telephone
	MODERN PRESSING CO	New York Telephone
	SPORTY M MACHINES	New York Telephone
	UNIVERSITY TUCKING & HEMSTICHG INC	New York Telephone

106 W 25 ST

Year	Uses	Source
1998	INTER ALLIED SALES CO	NYNEX Telephone
1993	INTER ALLIED SALES CO	NYNEX Telephone
1988	INTER ALLIED SALES CO	NYNEX Telephone
1983	INTER ALLIED SALES CO	New York Telephone
1978	INTER ALLIED SALES CO	New York Telephone
1973	INTER-ALLIED SALES CO	New York Telephone
1968	MUSNIK JOS SEWING MACH CO	New York Telephone
	INTER ALLIED SALES CO	New York Telephone
1963	LITE PHYLLIS INS	New York Telephone
	INTER ALLIED SALES CO	New York Telephone
	FISHKIN JESOME L SEWG MACHS	New York Telephone
1958	LITE PHYLLIS INS	New York Telephone
	INTER ALLIED SALES CO	New York Telephone
1956	LITE PHYLLIS INS	New York Telephone
	INTER-ALLIED SALES CO	New York Telephone
1950	KARPEN SIMON ELECTRCL CONTR	New York Telephone
	INTER-ALLIED SALES CO	New York Telephone
1947	SAMALOT MANUEL CGRS	New York Telephone
1938	PALMER J C PLEATING	New York Telephone
	OBSBAUM N CIGARS	New York Telephone
1927	BRATMAN BROS SIGN MAKERS	New York Telephone
	BERGMAN LOUIS F PLMBR	New York Telephone

107 W 25 ST

Year	Uses	Source
1998	J & M STUDIO PHOTO	NYNEX Telephone
	KAPLAN S SEWING MACHINE CO INC	NYNEX Telephone
1993	FLORALEASE LTD	NYNEX Telephone

FINDINGS

Year	Uses	Source
1993	J & M STUDIO PHOTO	NYNEX Telephone
	KAPLAN S SEWING MACHINE CO INC	NYNEX Telephone
1988	ASH M	NYNEX Telephone
	ASH MICHAEL	NYNEX Telephone
	ASH MICHAEL	NYNEX Telephone
	BERKOWITZ B	NYNEX Telephone
	BOERLIN JIM	NYNEX Telephone
	BUTCH HIRSCH PHOTOGRAPHY	NYNEX Telephone
	BUTTON TIM	NYNEX Telephone
	CHADWICK RANDALL	NYNEX Telephone
	CUMMINGS LAIRD	NYNEX Telephone
	CUMMINGS LAIRD	NYNEX Telephone
	DEMENEZIS JOSE & SANDRA	NYNEX Telephone
	DODD ROBERT A	NYNEX Telephone
	ELKASLASY ABRAHAM	NYNEX Telephone
	FLEEMAN GREGORY	NYNEX Telephone
	FLORALEASE LTD	NYNEX Telephone
	FUTTERMAN A & L	NYNEX Telephone
	HIRSCH BUTCH	NYNEX Telephone
	J & M STUDIO PHOTO	NYNEX Telephone
	JACOBSON B	NYNEX Telephone
	KAPLAN S SEWING MACHINE CO INC	NYNEX Telephone
	KRIKELLAS N	NYNEX Telephone
	MCCAFFREY BRIAN	NYNEX Telephone
	MCLELLAN KYLE	NYNEX Telephone
	MOFFITT PETER	NYNEX Telephone
	MOORE HOUSTON	NYNEX Telephone
	W 25 CORP	NYNEX Telephone
	PLYMPTON BILL	NYNEX Telephone
	SULLIVAN JAMES	NYNEX Telephone
	TAMARISK REC	NYNEX Telephone
	TESKY S	NYNEX Telephone
	MARK K	NYNEX Telephone
1983	AAA KLAUSNER MOVING & TRUCKG CO INC	New York Telephone
	LEFTON RIBBON CORP	New York Telephone
	SLATER LIONEL	New York Telephone
1978	DEE IMPRT SALES CORP	New York Telephone
	DEE PORTFOLIO MFG COLNC	New York Telephone

FINDINGS

Year	Uses	Source
1978	FABULOUS CREATIONS INC	New York Telephone
	KAUFMAN M & SONS CORP ELASTE PRODS	New York Telephone
	LAMINAR CO	New York Telephone
	LEFTON RIBBON CORP	New York Telephone
	MALMAN H SEWING MACH CO	New York Telephone
	SPORT TRIM INC	New York Telephone
	TRIM SHOP INC	New York Telephone
	WEARBEST MFG COLNC	New York Telephone
1973	LEFTON RIBBON CORP	New York Telephone
	MALMAN H SEWING MACH CO	New York Telephone
	WEARBEST MFG CO INC	New York Telephone
1968	FEDERAL SEWING MACH COINC	New York Telephone
	ROSED MFG CORP	New York Telephone
	SHERRY HANDBAG CORP OFC	New York Telephone
	SPIEGEL MFG CO	New York Telephone
	UDELL NATHAN	New York Telephone
	WEARBEST MFQ CO INC	New York Telephone
1963	COWELL MFG CORP	New York Telephone
	FEDERAL SEWING MACH CO INC	New York Telephone
	MORLEE-HANDCRAFT SHADE CO INC	New York Telephone
	QUALITY HEADWR & ACESRIES INC	New York Telephone
	SCHIFFMAN MURRAY CO BINDNGS	New York Telephone
	SCOTT ISABEL FABRICS CORP SHWRM	New York Telephone
	SHAPE WELL SHOULDER PAD CORP	New York Telephone
	SHERRY HANDBAG CORP OFC	New York Telephone
	SPIEGEL MFG CO	New York Telephone
	UDELL NATHAN	New York Telephone
	WEARBEST MFG CO INC	New York Telephone
1958	DICHELLE HERMAN BOXS	New York Telephone
	FASHIONTRIM CO FURS	New York Telephone
	FEDERAL SEWING MACH CO INC	New York Telephone
	GOODMAN SEWING MACH CO INC	New York Telephone
	HANDCRAFT SHADE CO	New York Telephone
	HOROWITZ & MILER FUR CO INC	New York Telephone
	LEA-HAT CO INC	New York Telephone
	MORGAN MURRAY CO INC FURS	New York Telephone
	PHOENIX BOX CORP	New York Telephone

FINDINGS

Year	Uses	Source
1958	QUEEN DRESS CO	New York Telephone
	SCHIFFMAN MURRAY CO BINDNAS	New York Telephone
	SHAPE-WELL SHOULDER PAD CORP	New York Telephone
	SPIEGEL MFG CO	New York Telephone
1956	BRIN-MAR KNITWEAR CO	New York Telephone
	DICHELLE HERMAN BOXS	New York Telephone
	FASHIONTRIM CO FURS	New York Telephone
	FEDERAL SEWING MACH CO INC	New York Telephone
	HOROWITZ BEN FURS	New York Telephone
	LEAH HAT CO INC	New York Telephone
	NATION WIDE SEWING MACH CO	New York Telephone
	PHOENIX BOX CORP	New York Telephone
	QUEEN DRESS CO	New York Telephone
	SCHIFFMAN MURRAY CO BINDNGS	New York Telephone
	SHAPE-WELL SHOULDER PAD CORP	New York Telephone
	SPIEGEL MFG CO	New York Telephone
1950	SHAPE-WELL SHOULDER PAD CORP	New York Telephone
	SPIEGEL MFG CO	New York Telephone
	DICHELLE HERMAN BOXS	New York Telephone
	EMBASSY BRUSH CORP	New York Telephone
	FASHIONTRIM CO FURS	New York Telephone
	FREY SAM SEWING MACHINE CO INC	New York Telephone
	FREY SANL SEWNG MACHS	New York Telephone
	HOROWITZ BEN FURS	New York Telephone
	LEAH HAT CO INC	New York Telephone
	LEONA NOVELTY CO	New York Telephone
	LUVICE LOOK CO UNDRGRMNTS	New York Telephone
	MANHATN DRESS & COSTUME CO	New York Telephone
	NAN JORDAN DRESS CO INC	New York Telephone
	NATION WIDE SEWING MACHINE CO INC	New York Telephone
	PHOENIX BOX CORP	New York Telephone
	PREZLOSO THRS STYLST	New York Telephone
	SCHIFFMAN MURRAY CO BINDNGS	New York Telephone
1947	DICHELLE HERMAN BOXS	New York Telephone
	FREY SAML SEWNG MACHS	New York Telephone
	GOLD MAX J	New York Telephone
	LEAH-HAT CO INC	New York Telephone
	MANHATN DRESS & COSTUME CO	New York Telephone

FINDINGS

Year	Uses	Source
1947	NATION-WIDE SEWING MACH CO INC	New York Telephone
	NATION-WIDE SEWING MACH CO INC	New York Telephone
	PETER PAN SPORTWR CO	New York Telephone
	PETER PAN SPORTWR CO	New York Telephone
	PHOENIX BOX CORP	New York Telephone
	SPIEGEL MFG CO	New York Telephone
	SPIEGEL NATHAN B	New York Telephone
	VARET KNITTING MILLS	New York Telephone
1942	ACE DIE CUTTING CO INC	New York Telephone
	ACE STEEL RULE DIE CO	New York Telephone
	ARTISTIC BEACH WEAR INC	New York Telephone
	BENINCASA CLOAK &SUIT CO	New York Telephone
	DICHELLE HERMAN BOXS	New York Telephone
	F&G PAPR SUPL CORP	New York Telephone
	FAGIN SAML DIE CUTR	New York Telephone
	GOLD MAX J	New York Telephone
	GREENBERG & LIFSCHUTZ FURS	New York Telephone
	K & C KNITTING MILLS	New York Telephone
	KRISILOFF ABE B	New York Telephone
	KRISILOFF BEN JOE AUCTNR	New York Telephone
	KRISILOFF BROS SEWING MACHINE CO	New York Telephone
	KRISILOFF JOE AUTNR	New York Telephone
	MANHATN DRESS & COSTUME CO	New York Telephone
	PHOENIX BOX CORP	New York Telephone
	RIT-ZIE NOVELTY CO	New York Telephone
	SCHIFF HYMAN B	New York Telephone
	SCHIFFMAN MURRAY CO BINDNGS	New York Telephone
	SPIEGEL MFG CO	New York Telephone
	SPIEGEL NATHAN B	New York Telephone
	STEINBERG N HATS	New York Telephone
	WASHINGTON TRADING CORP FINANCG	New York Telephone
1938	ACE DIE CUTTING CO	New York Telephone
	ACE STEEL RULE DIE CO	New York Telephone
	ALBERT CARTON CO	New York Telephone
	B & B SKIRTS & COAT CO	New York Telephone
	G & G EMBROIDERY CO	New York Telephone
	GOLD MAX J	New York Telephone

FINDINGS

Year	Uses	Source
1938	GOLDBERG & WELANSKY SEW MACHS	New York Telephone
	GOODSTEIN HERMAN EMBDY	New York Telephone
	INDIG SOL PLEATG	New York Telephone
	K & C KNITTING MILLS	New York Telephone
	KATZMAN JOS INC FURS	New York Telephone
	LORRAINE PLEATING & TUCKING CO	New York Telephone
	MANHATN DRESS & COSTUME CO	New York Telephone
	PERFECTION UNDRGRMNT CO	New York Telephone
	PIRAINO CLOAK & SUIT CO	New York Telephone
	RITZIE NOVELTY CO	New York Telephone
	VICTOR HENRY & BROS NOVLTS	New York Telephone
	WELANSKY & GOLDBERG SEWING MACHINES	New York Telephone
	WELANSKY & GOLDBERG SEW MACHS	New York Telephone
	SUNSHINE BEACH WEAR CO	New York Telephone
1927	BARNARD DRESS CO	New York Telephone
	DROGA A & SON CHLDRNS COATS	New York Telephone
	EVERYWOMAN S GARMENT CO DRESSES	New York Telephone
	FRIEBELE E F PRINTER	New York Telephone
	GOLD MAX J	New York Telephone
	GOODSTEIN HERMAN EMBDRY	New York Telephone
	HOLLANDER BERNARD S BUTNS	New York Telephone
	KANTER SAML FURS	New York Telephone
	MANHATTAN DRESS & COSTUME CO	New York Telephone
	MARKOFSKY & RESNICK FURS	New York Telephone
	MINTZ BROS & BLOOMSTEIN EMBDRS	New York Telephone
	PENDERGAST M J PRINTER	New York Telephone
	ROMA DRESS CO INC	New York Telephone
	ROYAL ONYX SHRINKING WKS	New York Telephone
	ROYAL SPONGING WORKS	New York Telephone
	SCHENCO DRESS CO	New York Telephone
	SCHLECKER & BECKER FURS	New York Telephone
	SEIDEN BENJ S MFG FURRIER	New York Telephone
	SIGILLO J DRESSES	New York Telephone
	STANDARD SILK HOUSE	New York Telephone
	STANDARD WEAVING CO	New York Telephone
	T & U MORTGAGE GO INC	New York Telephone

FINDINGS

Year	Uses	Source
1927	WEITZMAN GREENWALD & SIMON FURS	New York Telephone

108 W 25 ST

Year	Uses	Source
1998	ANTIQUES RESTORATION BY JULIAN	NYNEX Telephone
	CHRIS ELLIS COLLECTION	NYNEX Telephone
	FORTY FIFTY SIXTY	NYNEX Telephone
	JULIAN ANTIQUES RESTORATION	NYNEX Telephone
	MEYANS SUSANA	NYNEX Telephone
	MONLEON LENORE ANTIQUES	NYNEX Telephone
	PAGODA SPECIALTY	NYNEX Telephone
	PAGODA SPECIALTY INC	NYNEX Telephone
	RCR ANTIQUE & ARTS	NYNEX Telephone
1993	SHERATON CO THE UPHLSTRS & DECRTRS	NYNEX Telephone
1988	CHARROT L J INC	NYNEX Telephone
	LAFERLA SANDRO	NYNEX Telephone
	RAFAEL DIV OF ALLIED ELECTRONICS INC	NYNEX Telephone
	RELIABLE ATTACHMENT CO INC	NYNEX Telephone
	SHERATON CO UPHLSTRS & DECRTLRS	NYNEX Telephone
	SHERATON CO THE UPHLSTRS & DECRTRS	NYNEX Telephone
	THE SHERATON CO UPHLSTRS & DECRTRS	NYNEX Telephone
	THE SHERATON SHOP INC UOHLSRS & DECRTRSL	NYNEX Telephone
	TRUE-DOT INC	NYNEX Telephone
1983	BOUTIQUE HANDBAGS CO	New York Telephone
	COOK ROD	New York Telephone
	DARK-TAR LITHO C0P	New York Telephone
	DA VINCI PRESS INC	New York Telephone
	FRAY OFFSET PRNTNG CO	New York Telephone
	KAPLAN S SEWING MACHINE CO INC	New York Telephone
	MGM LITHO INC	New York Telephone
	PILVAX PRNTNG CORP	New York Telephone
	RANDY	New York Telephone
	RELIABLE ATTACHMENT CO INC	New York Telephone
	TRUE-DOT INC	New York Telephone

FINDINGS

Year	Uses	Source
1983	UMANS MARTY	New York Telephone
1978	AUTOMATIC TRIMG CO INC	New York Telephone
	BERLEY & CO INC RL EST & INS BUILDINGS	New York Telephone
	DAVINCI PRESS INC	New York Telephone
	FRANK L PHOTGRPHY	New York Telephone
	FRAY OFFSET PRNTNG CO	New York Telephone
	KAPLAN S SEWING MACHINE COINC	New York Telephone
	MGM LITHO INC	New York Telephone
	PILVAX PRNTNG CORP	New York Telephone
	RANDY	New York Telephone
	RELIABLE ATTACHMENT COINC	New York Telephone
	TOVA PRESS COLNC	New York Telephone
1973	AUTOMATIC TRIMG CO INC	New York Telephone
	BERLEY & CO	New York Telephone
	BOUTIQUE HANDBAGS CO	New York Telephone
	FRAY OFFSET PRNTNG CO	New York Telephone
	G & S LABEL CO PRNTRS	New York Telephone
	HALPEN LABEL & PRNTNG CO	New York Telephone
	HANDAL H & SON DRY GOODS CO INC	New York Telephone
	LINDEN EMBROIDERY	New York Telephone
	NEW ERA LABEL CORP	New York Telephone
	PRODUCTS ORIGINATION INC	New York Telephone
	RANDY	New York Telephone
	RELIABLE ATTACHMENT CO INC	New York Telephone
	YULIS HANDBAGS	New York Telephone
1968	BOUTIQUE HANDBAGS CO	New York Telephone
	G & S LABEL CO PRNTRS	New York Telephone
	HALPEN LABEL & PRNTNG CO	New York Telephone
	HANDAL H & SON DRY GOODS CO INC	New York Telephone
	MALMAN H SEWING MACH CO	New York Telephone
	NEW ERA LABEL CORP	New York Telephone
	PACKAGE INSERT FOLDING CORP	New York Telephone
	RANDY	New York Telephone
	RELIABLE ATTACHMENT CO INC	New York Telephone
	SALTZMAN JOS & CO	New York Telephone
	SERV-MASTER CREATIONS DIV OF PITMAN DRELTZER	New York Telephone
	SKYLINE LEATHER GOODS CORP	New York Telephone

FINDINGS

Year	Uses	Source
1963	BOUTIQUE HANDBAGS CO	New York Telephone
	FEMINA BELT CO	New York Telephone
	G & S CLOAK CO	New York Telephone
	GOLD LOUIS J INC MILL SPLIS	New York Telephone
	GOLDBERG MENX SCWG MACHS	New York Telephone
	HYMAN FASHNS INC	New York Telephone
	MALMAN H SEWING MACH CO	New York Telephone
	MORANTZ & SON COATS & SUITS	New York Telephone
	PANTURA J CO LTD	New York Telephone
	RELIABLE ATTACHMENT CO INC	New York Telephone
	SALTZMAN JOS & CO	New York Telephone
	SANFILIPPO FRANK B	New York Telephone
	SKYLINE LEATHER GOODS CORP	New York Telephone
	SUPERIOR INDEXING CORP	New York Telephone
	WALDORF APPAREL CO	New York Telephone
1958	ART TEXTILE PR0S CO	New York Telephone
	CINDY HATS INC	New York Telephone
	DANMOR FROCKS INC	New York Telephone
	FELDMAN DAVID B	New York Telephone
	G & S CLOAK CO	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG MAX SEWNG MACHS	New York Telephone
	JOANL-JANE TOGS INC	New York Telephone
	KRISILOFF ABE AUCTNR	New York Telephone
	MINERS JOS B B	New York Telephone
	R & W DRESS CO	New York Telephone
	SANFILLPPO FRANK B	New York Telephone
	SKYLINE LEATHER GOODS CORP	New York Telephone
	SUPERIOR INDEXING CORP	New York Telephone
	WALDORF APPAREL CO	New York Telephone
1956	ART TEXTILE PRODS CO	New York Telephone
	ASTOR EQUIP CORP	New York Telephone
	ASTOR EQUIP CORP	New York Telephone
	ASTOR INDUSTRIES INC	New York Telephone
	BOHRER BERNARD FUR BLENDG	New York Telephone
	CREATIVE ART NOVELTY & EMBROIDERY CO	New York Telephone
	FELDMAN DAVID B	New York Telephone

FINDINGS

Year	Uses	Source
1956	G & S CLOAK CO	New York Telephone
	GOLD LOUIS J INC MILL SUPLS	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG M SEWING MACH CO INC	New York Telephone
	GOLDBERG MANNY SEWNG MACHS	New York Telephone
	GOLDBERG MAX SEWNG MACHS	New York Telephone
	KANTOR I SEWNG MACHS	New York Telephone
	MINERS JOS B B	New York Telephone
	MORANTZ & SON COATS & SUITS	New York Telephone
	R & W DRESS CO	New York Telephone
	ROTHENBERG D FURS	New York Telephone
	SANFILIPPO FRANK B	New York Telephone
	SCHAUBEN & KUTAK	New York Telephone
	SKYLINE LEATHER GOODS CORP	New York Telephone
	SUPEAIOR INDEXING CORP	New York Telephone
	WALDORF APPAREL CO	New York Telephone
1950	G & S CLOAK CO	New York Telephone
	GOLD LOUIS J INC MILL SUPLS	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG MANNY SEWNG MACHS	New York Telephone
	GOLDBERG MAX SEWNG MACHS	New York Telephone
	KADET LEO	New York Telephone
	KANTOR I SEWNG MECHS	New York Telephone
	KOTTICK SEWING MACH INC CO	New York Telephone
	LENARD CREATIONS INC HOUSECOATS	New York Telephone
	M W DRESS CO	New York Telephone
	MAGIC FUR DYEING & BLENDING CO INC	New York Telephone
	MINERS JOS B B	New York Telephone
	NOVELINE PLASTIC CO	New York Telephone
	PAULETTE JUNIORS INC DRSES	New York Telephone
	R & W DRESS CO	New York Telephone
	SANFILIPPO FRANK B	New York Telephone
	SKYLINE LEATHER GOODS CORP	New York Telephone
	SUCHMAN LAWRENCE M B	New York Telephone

FINDINGS

Year	Uses	Source
1950	SUPERIOR INDEXING CORP	New York Telephone
	URET MFG CO	New York Telephone
	VICTOR SPORTSWR INC	New York Telephone
	WALDORF APPAREL CO	New York Telephone
	ART TEXTILE PRODS CO	New York Telephone
	ASTOR INDUSTRIES INC OFC	New York Telephone
	BECKERMAN NEWMAN SPORTSWR	New York Telephone
	BLEND MASTERS	New York Telephone
	CORA JUNIORS DRSES	New York Telephone
	FELDMAN HERMAN B	New York Telephone
1947	ART TEXTILE DECORATG CO	New York Telephone
	BECKERMAN NEWMAN SPORTSWR	New York Telephone
	BLEND MASTERS INC	New York Telephone
	CREATIVE ART NOVELTY & EMBROIDERY CO	New York Telephone
	G & S CLOAK CO	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG M SEWING MACHINE CO INC	New York Telephone
	GOLDBERG MAX B	New York Telephone
	KADET L B	New York Telephone
	KAMHI ALLEGRA MRS I	New York Telephone
	LEVER BIAS MACH CORP	New York Telephone
	MW DRESS CO	New York Telephone
	MASTER FUR BLENDERS	New York Telephone
	MINERS JOS B B	New York Telephone
	PERSONALITY PRODS LTHR GDS	New York Telephone
	POSNER M & CO INC FCTY	New York Telephone
	DRESS CO	New York Telephone
	REGENT DENTAL EQUIP SVCE	New York Telephone
	RONNEE KAY INC SPORTWR	New York Telephone
	SANFILIPPO FRANK B	New York Telephone
	SANFORD JAY PRODS	New York Telephone
	TURK I EMBRDY	New York Telephone
	VICTOR SPORTSWR LTD	New York Telephone
	WALDORF APPAREL CO	New York Telephone
1942	ACE KNITTING MILLS INC	New York Telephone

FINDINGS

Year	Uses	Source
1942	CREATIVE ART NOVELTY &EMBROIDERY CO INC	New York Telephone
	ENBEE SPOITSWR INC	New York Telephone
	KOSCHLAND ISRAEL BRISTLS	New York Telephone
	LEVER BIAS MACH CORP	New York Telephone
	RIDLESS H CO INC SEWG MACH	New York Telephone
	RIDLESS HYMAN SEW MACHS	New York Telephone
	VICTORY FUR BLENDERS	New York Telephone
	WJZ PRNTNG CO	New York Telephone
	WALDORF APPAREL CO	New York Telephone
	WINTER SAUL O FABRCS	New York Telephone
1938	WELLWORTH NOVELTY & EMBROIDERY CO INC	New York Telephone
	ADELE PLEATING & STITCHING CO	New York Telephone
	BANNISTER & DAVIS	New York Telephone
	BRILLIANT SIGN CO	New York Telephone
	DAVIS & BANNISTER	New York Telephone
	DE LUCA & NAGER CLTHG	New York Telephone
	ESSTEE DRESS CORP	New York Telephone
	GOLDBORO HAT CO	New York Telephone
	GOLDBY CHILDRENS DRESS CO	New York Telephone
	LEVER BIAS MACH CORP	New York Telephone
	LEVINE H CLKS	New York Telephone
	NATHANSON J CLKS	New York Telephone
	PARIS NOVELTY CO	New York Telephone
	R & C DRESS CO	New York Telephone
	RIDLESS H CO INC SEWG MACH	New York Telephone
	RIDLESS HYMAN SEW MACHS	New York Telephone
	RUDICK P DRSES	New York Telephone
	SILVER SMART FROCKS INC	New York Telephone
	TURK I EMBRDY	New York Telephone
1927	AMBROSINO THEO CTS & STS	New York Telephone
	ANTMAN ABR FURRIER	New York Telephone
	BLOOM & GOLDSTEIN CLOAKS	New York Telephone
	CHARMANTE DRESS CO INC	New York Telephone
	FINK LEIBOWITZ & STAUB INC FURS	New York Telephone
	HOLTZMAN ISIDORE FUR MFR	New York Telephone
	KLEPNER S & SONS FURS	New York Telephone
	LAPKIN & BELINK CLKS STS	New York Telephone

FINDINGS

Year	Uses	Source
1927	MARKWELL COAT CO INC	New York Telephone
	MARMOREK SIMON ACCTNT	New York Telephone
	SCHWARTZ LEON FURS	New York Telephone
	SIMKIN A D & CO CLOAKS	New York Telephone

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Year	Uses	Source
1988	FERNWOOD HAT CO	NYNEX Telephone
	PERFECT HAT FRAME CO	NYNEX Telephone
	LARCHMONT NOVELTY MFG	NYNEX Telephone

109 W 25 ST

Year	Uses	Source
1988	INTERCONTINENTAL LEATHER MACHINERY CORP	NYNEX Telephone
1983	GLOBE SEWING MACHINE CORP	New York Telephone
	INTERCONTINENTAL LEATHER MACHINERY	New York Telephone
1978	GLOBE SEWING MACHINE CORP	New York Telephone
	PUGACH SEWING MACHINE MOTOR COMPANY INC	New York Telephone
	PUGACH WILLIAM B	New York Telephone
1973	COHEN SOL Z B	New York Telephone
	DIAMOND NEEDLE CORP	New York Telephone
1968	DIAMOND NEEDLE CORP	New York Telephone
1963	COHEN LEON J SEWG MACHS	New York Telephone
	COHEN SOL Z SEWNG MACHS	New York Telephone
	COHEN SOL Z ASSOCS	New York Telephone
	CURTIS IRVING SEWISG MACHS	New York Telephone
	EASTERN SEWING MACH CO INC	New York Telephone
	PERLMUTTER ALLAN B	New York Telephone
1958	COHEN SOL Z SEWNG MACHS	New York Telephone
	CURTIS IRVING SEWNG MACHS	New York Telephone
	EASTERN SEWING MACH CO	New York Telephone
	FOGEL JACK SEWNG MACHS	New York Telephone
	WISE J B INC	New York Telephone
1956	COHEN SOL Z SEWNG MACHS	New York Telephone
	CURTIS IRVING SEWNG MACHS	New York Telephone
	EASTERN SEWING MACH CO	New York Telephone
	FOGEL JACK SEWNG MACHS	New York Telephone

FINDINGS

Year	Uses	Source
1956	WISE J B INC	New York Telephone
1950	AA KIOUSNER MOVING & TRUCKING CO	New York Telephone
	COHEN ELI A TEXTLS	New York Telephone
	COHEN IRVING SEWNG MACHS	New York Telephone
	COHEN SOL SEWNG MACHS	New York Telephone
	EASTERN SEWING MACH CO	New York Telephone
	GARDEN SURPLUS SALES CORP	New York Telephone
	KLAUSNER H MOVNG	New York Telephone
	KLAUSNER H MOVNG	New York Telephone
1947	AAA KLAUSNER MOVINA & TRUCKING CO	New York Telephone
	COHEN SOL SEWNG MACHS	New York Telephone
	EASTERN SEWING MACH CO	New York Telephone
	COHEN IRVING SEWNG MACHS	New York Telephone
	COHEN ELI A TEXTLS	New York Telephone
	CHASE INDUSTRIES INC TEXTLS	New York Telephone
	CHASE INDUSTRIES INC EXPTRS	New York Telephone
	KLAUSNER H MOVNG	New York Telephone
1942	EASTERN SEWING MACHINE CO	New York Telephone
	INTERSTATE SEWING MACHINE CORP	New York Telephone
	KLAUSNER H EXP	New York Telephone
	SIEGEL CHAS ANCTNR	New York Telephone
	STEIN BERNARD SEWNG MACHS	New York Telephone
1927	COHEN & LICHTER LDS CLKS	New York Telephone

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Year	Uses	Source
1998	ALBERT BALVENDER ANTIQUES	NYNEX Telephone
	ANDREW MACMILAN INC	NYNEX Telephone
	ANTIQUES SALES & RESTORATION	NYNEX Telephone
	APPEL ERIC FINE ART & ANTIQUES	NYNEX Telephone
	BOND S ANTIQUE AND MODERN WEARS	NYNEX Telephone
	CJ PETERS	NYNEX Telephone
	CHELSEA ANTIQUES BUILDING	NYNEX Telephone
	CHELSEA RESTORATION CENTER	NYNEX Telephone
	COHEN S COLLECTABLE	NYNEX Telephone
	COOKIE JARS ETC	NYNEX Telephone
	COUNTRY COUSINS ANTIQUES	NYNEX Telephone

FINDINGS

Year	Uses	Source
1998	DANNY S RECORDS	NYNEX Telephone
	DAVIS & GARDNER HOME FURNISHINGS	NYNEX Telephone
	DAVIS VINTAGE COLLECTIBLES	NYNEX Telephone
	DAVIS VINTAGE PENS	NYNEX Telephone
	DOCK ANTIQUE	NYNEX Telephone
	FEYGIN ARKADY ANTIQUE RESTORATION	NYNEX Telephone
	GALLERY 403	NYNEX Telephone
	GINNANE-GASBARRO PAULINE	NYNEX Telephone
	GOLDEN SLIPPER INC	NYNEX Telephone
	GREDLER JOHN J	NYNEX Telephone
	HAM FEE BANG HOUSE	NYNEX Telephone
	HARVEY LOLA-BARBARA	NYNEX Telephone
	HEARN DENNIS	NYNEX Telephone
	IKON HOUSE	NYNEX Telephone
	J B D GEMS	NYNEX Telephone
	JENSEN SOREN	NYNEX Telephone
	JEROME WILSON	NYNEX Telephone
	JULIAN S BOOKS	NYNEX Telephone
	KHOMESTTKY GREGORY	NYNEX Telephone
	KIMCHEROVA	NYNEX Telephone
	KUSHNIRSKY OLEG	NYNEX Telephone
	LAVENDER-N-LACE	NYNEX Telephone
	LE CHATEAU ANTQUES	NYNEX Telephone
	LUBIN GALLERIES INC	NYNEX Telephone
	M E COLLINS	NYNEX Telephone
	MANSA MUSSA & ORENGO INTERIORS	NYNEX Telephone
	MARIASCHIN SHIRLEY	NYNEX Telephone
	MARKCO	NYNEX Telephone
	MONTE S MILITARIA	NYNEX Telephone
	MORISCO MICHEAL	NYNEX Telephone
	NEW YORK GALLERIES ANTIQUES	NYNEX Telephone
	OK COLLECTIONS	NYNEX Telephone
	ORIENTAL ANTIQUES & ART BY IM	NYNEX Telephone
	QUINCY	NYNEX Telephone
	RAISSA	NYNEX Telephone
	RENE KERNE ANTIQUES	NYNEX Telephone
	RETRO METRO	NYNEX Telephone

FINDINGS

Year	Uses	Source
1998	SAM S PLACE ANTIQUES	NYNEX Telephone
	STEPHANIE S ANTIQUES	NYNEX Telephone
	THE PORCELAIN ROOM	NYNEX Telephone
	THIS N THAT	NYNEX Telephone
	VERDI VINCENT ANTIQUES	NYNEX Telephone
	VLADIMIR S ANTIQUES	NYNEX Telephone
	WATCH IT ANDRE BURGOS	NYNEX Telephone
	WAVES	NYNEX Telephone
	Y & D MAYER ANTIQUES	NYNEX Telephone
1988	PORTFOLIO LITHOGRAPHY	NYNEX Telephone
1983	K & R PRUDENTIAL PRNTNG	New York Telephone
	MULTI-GRAPHIC PRESS INC	New York Telephone
	TRADE PRNTNG CORP	New York Telephone
	YOUNG JAMES B	New York Telephone
1978	MULTI-GRAPHIC PRESS INC	New York Telephone
1973	MULTI GRAPHIC PRESS INC	New York Telephone
1968	MULTI-GRAPHIC PRESS INC	New York Telephone
	REGINA PRESS PRNTRS	New York Telephone
	ZOREK JOHN F B	New York Telephone

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Year	Uses	Source
1998	ZUCKERMAN SAM SEWING MACH CORP	NYNEX Telephone
	ZUCKERMAN MYRON SEWING MACHS & EQP CORP	NYNEX Telephone
1993	ZUCKERMAN SAM SEWING MACH CORP	NYNEX Telephone
	ZUCKERMAN MYRON SEWING MACHS & EQP CORP	NYNEX Telephone
1988	ZUCKERMAN MYRON SEWING MACHS & EQP CORP	NYNEX Telephone
	ZUCKERMAN SAM SEWING MACH CORP	NYNEX Telephone
1983	LUCKERMAN MYRON SEWING MACHS & EQP CORP	New York Telephone
1978	ZUCKERMAN MYRON SEWING MACHS & EQP CORP	New York Telephone
1973	ZUCKERMAN MYRON SEWING MACHS & EQP CORP	New York Telephone
1968	ZUCKERMAN MYRON SEWING MACHS & EQP CORP	New York Telephone
1963	BERNSTEIN MORRIS SEWG MACHS	New York Telephone

FINDINGS

Year	Uses	Source
1963	DARGOLS SEWNG MACHAS	New York Telephone
	DARSONS MACH EXPORT INC SEWSIG MACHS	New York Telephone
	EM BEE SEWING MACH CO INC	New York Telephone
1958	ALLIANCE SEWING MACGIS INC	New York Telephone
	DARGOLS SEWNG MACHS	New York Telephone
	DARSONS MACH EXPORT INC SEWNG MACHS	New York Telephone
	MACFADDEN HUGH	New York Telephone
	MARX MORTY SEWNG MAS	New York Telephone
1956	ALLIANCE SEWING MACHS INC	New York Telephone
	DARGOLS SEWNG MACHS	New York Telephone
	DARSONS MACH EXPORT INC SEWNG MACHS	New York Telephone
	DARSONS MACH EXPORT INC SEWNG MACHS	New York Telephone
	GOLDMAN NATHAN CO SLCKS	New York Telephone
	MARX MORTY SEWNG MACHS	New York Telephone
1950	DARGOLS SEWNG MACHS	New York Telephone
	DARSONS MACH EXPORT INC SEWNG MACHS	New York Telephone
	DARSONS MACH EXPORT INC SEWNG MACHS	New York Telephone
1947	CRASNO LOUIS P AUCTNR	New York Telephone
1942	CRASNO LOUIS P AUCTNR	New York Telephone
1927	HALPREN P S CTN GDS	New York Telephone

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Year	Uses	Source
1942	DARBY HAT CO MFR	New York Telephone
1938	DARBY HAT CO MFR	New York Telephone

115 W 25 ST

Year	Uses	Source
1998	AMERLITE ALUMINUM CO	NYNEX Telephone
	CLINTON BLDG PRODUCTS	NYNEX Telephone
	CONTINENTAL DIE	NYNEX Telephone
	CONTINENTAL DIE INC	NYNEX Telephone
	LENCO MACHINE CO	NYNEX Telephone
	SIMON ATTACHMENT CO	NYNEX Telephone
	TECHNAL INC	NYNEX Telephone

FINDINGS

Year	Uses	Source
1998	RENAISSANCE DOOR CO MANHATTAN MANHATTAN	NYNEX Telephone
1993	LENCO MACHINE CO	NYNEX Telephone
	SIMON ATTACHMENT CO	NYNEX Telephone
	YH CHONG SONG TOOL & DIE	NYNEX Telephone
1988	ABC ATTACHMENTS INC	NYNEX Telephone
	BICEN MACHINE SHOP	NYNEX Telephone
	JOHNSON ELI INDUSTRIAL SEWING MACHINES & SVCES	NYNEX Telephone
	LENCO MACHINE CO	NYNEX Telephone
	SCHULTZ B	NYNEX Telephone
	SCHULTZ B	NYNEX Telephone
1983	ABC ATTACHMENTS INC	New York Telephone
	AID B	New York Telephone
	LENCO MACHINE CO	New York Telephone
	SCHULTZ B	New York Telephone
1978	ABC ATTACHMENTS INC	New York Telephone
	ACME ATTACHMENT CO	New York Telephone
	AID B	New York Telephone
	JOHNSON ELI INDUSTRIAL SEWING MACHINES & SVCES	New York Telephone
1973	CULLEY ED SEWQ MNACHS	New York Telephone
	DEREWITZKY BERNARD B	New York Telephone
	FAIBER HAROLD B	New York Telephone
	ISELIN SAMI AUCTNR	New York Telephone
	LEBOWITZ SEWING MACH CORP	New York Telephone
	LEIBOWITZ SEWING MACH CORP	New York Telephone
	NON PROFIT MESNGR SVCE	New York Telephone
	SPEED ELECTRIC CO	New York Telephone
	SPEED TRIM CORP	New York Telephone
1968	CULLEY ED SEWQ MACHS	New York Telephone
	FINE JACK	New York Telephone
	ISELIN SAML AUCTNR	New York Telephone
	LEBOWITZ SEWING MACH CORP	New York Telephone
	LEIBOWITZ SEMINN MACH CORP	New York Telephone
	MAISLIS BROS NOVELTY MACH CO	New York Telephone
	NON-PROFIT MESNGR SVCE	New York Telephone
	RAGER WM SEWG MACH REPR	New York Telephone
	SPEED TRIM CORP	New York Telephone
1963	JOHNSON DUKE	New York Telephone

FINDINGS

Year	Uses	Source
1963	KEVLES DINA	New York Telephone
	LEBOWITZ SEWING MACH CORP	New York Telephone
	LEIBOWITZ SAWING MACH CORP	New York Telephone
	MAISLIS BROS NOVELTY MACH CO	New York Telephone
	CREATIONS INC	New York Telephone
	NON-PROFIT MESNGR SVCE	New York Telephone
	SPEED TRIM CORP	New York Telephone
1958	DU TRIEUILLE MYRA LEE	New York Telephone
	KANTOR I SAWO MECHS	New York Telephone
	KEVLES DINA	New York Telephone
	LEBOWITZ SEWING MACH CORP	New York Telephone
	LEIBOWITZ SEWING MACH CORP	New York Telephone
	MODEL ART EMBROIDERY CO	New York Telephone
	NON-PROFIT MESNGR SVCE	New York Telephone
	ROTH ARNOLD I B	New York Telephone
	SPEED TRIM CORP	New York Telephone
1956	DIAMOND NEEDLE CORP	New York Telephone
	DIAMOND NEEDLE CORP	New York Telephone
	KEVLES DINA	New York Telephone
	LEBOWITZ SEWING MACH CORP	New York Telephone
	LEIBOWITZ SEWING MACH CORP	New York Telephone
	NON-PROFIT MESNGR SVCE	New York Telephone
	ROTH ARNOLD I B	New York Telephone
	SPEED TRIM CORP	New York Telephone
1950	KEVIS DINA	New York Telephone
	LEBOWITZ SEWING MACHINE CORP	New York Telephone
	LEIBOWITZ SEWING MACH CO	New York Telephone
	MORRISON SEWING MACH CO INC	New York Telephone
	NONPROFIT MESNGR SVCE	New York Telephone
	ROSS HARRY	New York Telephone
	SCHULTZ MIMOGRAPH CO	New York Telephone
1947	KAMPEL DAVE CO SEWNG MACHS	New York Telephone
	LEBOWITZ SEWING MACHINE CO	New York Telephone
	LEBOWITZ SEWING MACHINE CORP	New York Telephone
	LEIBOWITZ SEWING MACH CO	New York Telephone
1942	LEBOWITZ SEWING MACHINE CORP	New York Telephone
	LEIBOWITZ SEWING MACHINE CORP	New York Telephone
	MITCHELL BEN F SIGNS	New York Telephone

FINDINGS

Year	Uses	Source
1938	BAUMAN J R FORMS	New York Telephone
	BAUMAN S ORIGINAL DESIGNS INC	New York Telephone
	GRANTHAM E & CO EXPTRS	New York Telephone
	UNITED ELECTRCL & RADIO WORKERS OF AMERICA LOCAL 1228	New York Telephone
1927	BLUM & GREEN FURS	New York Telephone
	KIRSCHNER SAML FURS	New York Telephone
	REIFF & SHNELL FURS	New York Telephone
	SPIKLER B FURS	New York Telephone

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Year	Uses	Source
1927	CHOVNICK PRINTING CO	New York Telephone

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Year	Uses	Source
1998	AMALCO SEWING MACH & MOTOR CORP	NYNEX Telephone
	VAIS SEWING MACHINE CO INC	NYNEX Telephone
1988	AMELCO SEWING MACH & MOTOR CORP	NYNEX Telephone
	FALK CORI	NYNEX Telephone
	KORMAN HARRY POWER TABLES	NYNEX Telephone
	LEONARD FRANK	NYNEX Telephone
1983	AA ATTACHMENT CO	New York Telephone
	AMELCO SEWING MACH & MOTOR CORP	New York Telephone
	BERGER E S INC SEWS MACHS	New York Telephone
	KARPEN SIMON ELCTRCN	New York Telephone
	KORMAN HARRY POWER TABLES	New York Telephone
	SEYMOUR SEWING MACHINE CORP	New York Telephone
1978	AA ATTACHMENT CO	New York Telephone
	AMELCO SEWING MACH & MOTOR CORP	New York Telephone
	KORMAN JACK POWER TABLES	New York Telephone
	NEEDLE TRADE SUPL CO INC	New York Telephone
	NEEDLE TRADE SUPPLY CA INC	New York Telephone
1973	AA ATTACHMENT CO	New York Telephone
	AMELCO STCISG MACH & MOTOR CORP	New York Telephone
	JACK KORMAN MACHNIST	New York Telephone

FINDINGS

Year	Uses	Source
1973	NEEDLE TRADE SUPL CO INC	New York Telephone
1968	AMELCO SEWING MACH & MOTOR CORP	New York Telephone
	CUTLER EDW & ASSOCS SEWG MACHS	New York Telephone
	DAVE & HAROLD SEWG MACHS	New York Telephone
1963	DAVE & HAROLD SEWG MACHS	New York Telephone
	DURABLE SEWING MACH CORE	New York Telephone
	KARR SAML J B	New York Telephone
	KARR & STAHL SEWING MACH CO INC	New York Telephone
1958	DAVE & HAROLD SEWG MACHS	New York Telephone
	LEFF DAVID SEWNG MACHS	New York Telephone
	SKIPPERS LUNCHIET	New York Telephone
	SPEED ELEC CO	New York Telephone
	SPITALNICK I ELECTRCN	New York Telephone
1956	F & B LUNCHEONETTE	New York Telephone
	FLORETTE NOVELTY CO	New York Telephone
	LEFF DAVID SEWNG MACHS	New York Telephone
	SPEED ELEC CO	New York Telephone
	SPITALNICK I ELECTRCN	New York Telephone
1950	BORNSTEIN SOL SEWNG MACHS	New York Telephone
	MILCH F IMPTS	New York Telephone
	SPEED ELEC CO	New York Telephone
	SPITALNICK I ELECTRCN	New York Telephone
1947	B & B EXPRESS & MOVING CO	New York Telephone
	BORNSTEIN SOLOMON EXP	New York Telephone
	HYDE PK LEATHER GOODS CO INC	New York Telephone
	KLAUSNER H EXP	New York Telephone
	NORTHERN SEWING MACHINE CO	New York Telephone
	NORTHERN SEWING MACHINE CO INC	New York Telephone
	ROTHENBERG S INCHNET	New York Telephone
	SHAW GUS LEATHR GDS	New York Telephone
	SHAWLINE INC LEATHR GDS	New York Telephone
	SIEGEL CHAS AUCTNR	New York Telephone
1942	AA WIRE WKS	New York Telephone
	B & B EXPRESS &MOVING CO	New York Telephone
	BORNSTEIN SOLOMON EXP	New York Telephone
	DIAMOND JOS CARDTR	New York Telephone
	SKLAR J INCHNET	New York Telephone

FINDINGS

Year	Uses	Source
1938	AA IRON & WIRE WKS	New York Telephone
	DIAMOND JOS CDRPTR	New York Telephone
	ITZKOWITZ J SEWING MACH CO	New York Telephone
	UNITED IMPORT & EXPORT CO	New York Telephone
1927	LANDRIEU P IMPTR EXPTR	New York Telephone
	ARMSTRONG R J & CO THEATRICAL TRIMMINGS	New York Telephone
	ACKERMAN FLIGLER & SHUSTER FURS	New York Telephone

118 W 25 ST

Year	Uses	Source
1963	DUNN M A	New York Telephone

119 W 25 ST

Year	Uses	Source
1998	A A A A A DIVERSIFIED PRODUCTS INC	NYNEX Telephone
	ABBE GALE HATS	NYNEX Telephone
	ADORABLE HAT CO	NYNEX Telephone
	AMERICAN MENU PRINTING CO	NYNEX Telephone
	BEAUTY PLUS TRADING CORP	NYNEX Telephone
	BERTHOLO UPHOLSTERY	NYNEX Telephone
	BOB DEE ACCESSORIES INC	NYNEX Telephone
	BOB DEE ACCESSORIES INC	NYNEX Telephone
	BRIGHT IDEA DESIGN	NYNEX Telephone
	CHARITON & CHARITON INC	NYNEX Telephone
	CONSOLIDATED SEWING MACHINES	NYNEX Telephone
	DARBY PRNTNG CO	NYNEX Telephone
	DEL BUSINESS SYSTEMS	NYNEX Telephone
	FEIT CO INC	NYNEX Telephone
	FEITSEW	NYNEX Telephone
	GALE ABBE	NYNEX Telephone
	HAMLSHIRE PRESS PRNTRS	NYNEX Telephone
	IMAGEPRO	NYNEX Telephone
	KONICA COPIER BY DEL BUSINESS SYSTEMS	NYNEX Telephone
	LEFKOFF NORMAN	NYNEX Telephone
	NEWMARK & CO REAL ESTATE INC-	NYNEX Telephone
	NIEDERMAN MARK PHOTOGRAPHY	NYNEX Telephone
	PRINT RITE PRESS INC	NYNEX Telephone

FINDINGS

Year	Uses	Source
1998	SHARK OFFSET SVCE INC	NYNEX Telephone
	SPRING POINT CORPORATION	NYNEX Telephone
	STERNICK STEVEN PHOTOGRAPHY	NYNEX Telephone
	SUN GRAPHICS INC	NYNEX Telephone
1993	BOB DEE ACCESSORIES INC	NYNEX Telephone
	BOB DEE ACCESSORIES INC	NYNEX Telephone
	CHRISTINE ROUSSEL INC	NYNEX Telephone
	CLEGG INDUSTRIES	NYNEX Telephone
	DARBY PRNTNG CO	NYNEX Telephone
	FEIT CO INC	NYNEX Telephone
	FEITSEW	NYNEX Telephone
	HAMPSHIRE PRESS PRNTRS	NYNEX Telephone
	IMAGEPRO	NYNEX Telephone
	MANHATTAN EMBOSSING CO INC	NYNEX Telephone
	MATTIKOW DAVID DIE CUTNG	NYNEX Telephone
	NEWMARK & CO REAL ESTATE INC	NYNEX Telephone
	NIEDERMAN MARK PHOTOGRAPHY	NYNEX Telephone
	NY LEATHER EMBOSSING CO	NYNEX Telephone
	REMCO PRESS INC PRNTRS	NYNEX Telephone
	SPRING POINT CORPORATION	NYNEX Telephone
	STEVEN BOX & SUPL CO	NYNEX Telephone
	TROMPLOY STUDIO & GALLERY INC MURALS TROMPE L OELL FAUX MARBLE	NYNEX Telephone
1988	ADDED ATTRACTIONS INC	NYNEX Telephone
	DARBY PRNTNG CO	NYNEX Telephone
	FEIT CO INC	NYNEX Telephone
	FEITSEW	NYNEX Telephone
	HEDSTROM C	NYNEX Telephone
	IG TEXTILE MILLS INC	NYNEX Telephone
	MANHATTAN EMBOSSING CO INC	NYNEX Telephone
	MARIONAT BRIDAL VEILS INC	NYNEX Telephone
	MATTIKOW DAVID DIE CUTNG	NYNEX Telephone
	MICHELLE LYNN CUTTING CORP	NYNEX Telephone
	MICHELLE LYNN CUTTING CORP	NYNEX Telephone
	NEW YORK EMBOSSING CO	NYNEX Telephone
	REILLY MAGGIE	NYNEX Telephone
	SONNY TEXTILE SUPL CORP	NYNEX Telephone
	VINEX CORP PLSTCS	NYNEX Telephone

FINDINGS

Year	Uses	Source
1988	WILLIAMS BILL CASTING INC	NYNEX Telephone
1983	BAROUCH BROS 5 INC BATHROBES	New York Telephone
	BENNISONS ROBES	New York Telephone
	BUCKNER RAYMOND PHTOGPHR	New York Telephone
	CONDESO LAWLER GALLERY	New York Telephone
	DARBY PRNTNG CO	New York Telephone
	FEIT CO INC	New York Telephone
	FUNFAIR FASHIONS INC	New York Telephone
	IG TEXTILE MILLS INC	New York Telephone
	MANHATTAN EMBOSSING CO INC	New York Telephone
	MATTIKOW DAVID DIE CUTNG	New York Telephone
	MCCLEAN CYRIL H STUDIO	New York Telephone
	MILTON PLEATING INC	New York Telephone
	NEW YORK LEATHER EMBOSSIG CO	New York Telephone
	O REILLY TERENCE	New York Telephone
	ORIGINAL REPRODUCTIONS INC	New York Telephone
	REILLY MAGGIE	New York Telephone
	SAFETY SIGNS BY ORIGINAL DIV OF ORIGINAL REPRODUCTIONS INC	New York Telephone
	STATE BINDING & TEXTILE TRIMMING CO INC	New York Telephone
	THREE S BIAS BINDING CO	New York Telephone
1978	ART-LORE INC	New York Telephone
	BAROUCH BROS INC BTHRBS	New York Telephone
	BENNISONS ROBES	New York Telephone
	BUCKNER RAYMOND PHTOGPHR	New York Telephone
	CORONET KNITTING MILLS INC	New York Telephone
	CORONET KNITTING MILLS INC	New York Telephone
	DARBY PRNTNG CO	New York Telephone
	DUBELLER BRAID CO	New York Telephone
	DUBELIER ELASTIC FABRICATORS	New York Telephone
	FEIT CO INC	New York Telephone
	FUNFAIR FASHIONS INC	New York Telephone
	FUNFAIR FASHNIONS INC	New York Telephone
	KAUFMAN 25TH ST LOFT CO	New York Telephone
	LAE BELLE SAUVAGE INC	New York Telephone
	MANHATTAN EMBOSSING CO INC	New York Telephone
	MATTIKOW DAVID CILRG	New York Telephone
	MCCLEAN CYRIL H STDIO	New York Telephone

FINDINGS

Year	Uses	Source
1978	MILTON PLEATING INC	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	ORIGINAL REPRODUCTIONS INC DECALS	New York Telephone
	SCOT TIES LTD	New York Telephone
	YANK TOGS INC	New York Telephone
1973	LABELLE SAUVAGE LNC	New York Telephone
	MANHATN EMBOSSIIG COLNC	New York Telephone
	MATTIKOW DAVID DIE CUTNG	New York Telephone
	MC CLEAN CYRIL H STDIO	New York Telephone
	MILTON PLEATING INC	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO INC	New York Telephone
	STANDARD COAT & SUIT CO	New York Telephone
	YANK TOGS INC	New York Telephone
	YANK TOGS INC B	New York Telephone
	ARTLORE INC	New York Telephone
	BAROCH BR0S INC BTTRBS	New York Telephone
	BENNISONS ROBES	New York Telephone
	BUCKNER RAYMOND PHTOGPHR	New York Telephone
	CORONET KNITTING MILLS INC	New York Telephone
	DG DIE MFG CO	New York Telephone
	DG STEEL RULE DIE MFG CO INC	New York Telephone
	ELF DIE CUTNG CO	New York Telephone
	FEIT COLNC	New York Telephone
	KAUFMAN 25TH SN LOFT CO	New York Telephone
1968	ART-LORE INC	New York Telephone
	BAROUCH BROS INC BTHRBS	New York Telephone
	BENNISONS ROBES	New York Telephone
	BROCKTON CUTNG DIE & MACH CO INC	New York Telephone
	BUCKNER RAYMOND PHTOGPHR	New York Telephone
	CORONET KNITG MILLS INC	New York Telephone
	DG DIE MFG CO	New York Telephone
	D G STEEL RULE DIE MFG CO INC	New York Telephone
	DIGIROLAMO MICHL B	New York Telephone
	ELF DIE CUTNG CO	New York Telephone
	FEIT CO INC	New York Telephone
	MATTIKOW DAVID DIE CUTNG	New York Telephone

FINDINGS

Year	Uses	Source
1968	MC CLEAN CYRIL H STDIO	New York Telephone
	MILTON PLEATING INC	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO INC	New York Telephone
	SMART SALES CO JWLR	New York Telephone
	STANDARD COAT & SUIT CO	New York Telephone
1963	BARUCH BROS INC BTHRBS	New York Telephone
	BENNISONS BTHRBS	New York Telephone
	BENNISONS ROBES	New York Telephone
	BILTWELL OPTICAL MFG CO	New York Telephone
	BROCKTON CUTTING DIE & MACH CO INC	New York Telephone
	CHAMPION STEEL RULE DIE CO	New York Telephone
	DG DIE MFG CO	New York Telephone
	DG STEEL RULE DIE MFG CO	New York Telephone
	EDEN TOYS INC SHWRM & OFC	New York Telephone
	F & F SEWING MACHINE CO	New York Telephone
	FEIT CO INC	New York Telephone
	FISHKIN JEROME AUCTNR	New York Telephone
	FISHKIN MORRIS SEWG MACHS	New York Telephone
	FRAME MASTERS INC	New York Telephone
	G & G KNITD FABRICS CO INC	New York Telephone
	GALEWSKI A & SONS INC LTHR	New York Telephone
	GAYTIME BAG INC	New York Telephone
	GROPPER ISAAC FABRICS	New York Telephone
	GROPPER LEON FABRCS	New York Telephone
	LOVELY BAQ CO	New York Telephone
	MATTIKOW DAVID DIE CUTOG	New York Telephone
	MODERN KNITG MILLS CORP	New York Telephone
	MODERN KNITG MILLS CORP	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO LNC	New York Telephone
	STANDARD COAT & SUIT CO	New York Telephone
1958	FISHKIN MORRIS SWEG MACH	New York Telephone
	FUHRMAN HY B	New York Telephone
	G & G KNITO FABRICS CO INC	New York Telephone
	GALEWSKI A & SONS INC LTHR	New York Telephone
	GAYTIME BAG INC	New York Telephone
	GROPPER ISAAC FABRCS	New York Telephone

FINDINGS

Year	Uses	Source
1958	GROPPER LEON FABRCS	New York Telephone
	LOVELY BAG CO-	New York Telephone
	MANHATN EMBOSSING CO	New York Telephone
	MATTIKOW DAVID DIE CUTNG	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO INC	New York Telephone
	SHEFFIELD MFG CO	New York Telephone
	TRAVEL-MORE LUGGAGE	New York Telephone
	ATLEE FABRICS INC	New York Telephone
	BAROUCH BROS BTHRBS	New York Telephone
	BENNISONS BTHRBS	New York Telephone
	BERNSTEIN MORRIS SEWNG MACHG	New York Telephone
	BILTWELL OPTICAL MFG CO	New York Telephone
	BROCKTON CUTTING DIE & MACH CO INC	New York Telephone
	D G DIE MFG CO	New York Telephone
	DG STEEL RULE DIE MFG CO	New York Telephone
	DURKIN REALTY CO	New York Telephone
	EDEN TOYS INC SHWRM & OFC	New York Telephone
	EM-BEE SEWING MACH CO INC	New York Telephone
	F & F SEWING MACHINE CO	New York Telephone
	FISHKIN JEROME AUCTNR	New York Telephone
1956	ADELPHI ROBES MFRS	New York Telephone
	ATLEE FABRICS INC	New York Telephone
	BAROUCH BROS BTHRBS	New York Telephone
	BERNSTEIN MORRIS SEWNG MACHS	New York Telephone
	BILTWELL OPTICAL MFG CO	New York Telephone
	BROCKTON CUTTING DIE & MACH CO INC	New York Telephone
	CHESNIN HARRY SEWNG MACHS	New York Telephone
	COMET GLOVE CORP	New York Telephone
	DG DIE MFG CO	New York Telephone
	DG STEEL RULE DIE MFG CO	New York Telephone
	DURKIN REALTY CO	New York Telephone
	EM-BEE SEWING MACH CO INC	New York Telephone
	F & F SEWING MACHINE CO	New York Telephone
	FISHKIN JEROME AUCTNR	New York Telephone

FINDINGS

Year	Uses	Source
1956	FISHKIN MORRIS SEWNG MACHS	New York Telephone
	FUHRMAN HY B	New York Telephone
	G & G KNITD FABRICS CO INC	New York Telephone
	GALEWSKI A & SONS INC LTHR	New York Telephone
	GAYTIME BAG INC	New York Telephone
	GROPPER ISAAC FABRCS	New York Telephone
	GROPPER LEON FABRCS	New York Telephone
	LOVELY BAG CO	New York Telephone
	MATTIKOW DAVID DIE CUTNG	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	NY EMBOSSING CO	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO INC	New York Telephone
	SHEFFIELD MFG CO	New York Telephone
	TRAVEL-MORE LUGGAGE	New York Telephone
1950	BAROUCH BROS BTHROBS	New York Telephone
	BENNISONS BTHROBS	New York Telephone
	BERNSTEIN MORRIS SEWNG MACUS	New York Telephone
	BILTWELL OPTICAL MFG CO	New York Telephone
	CARTER REALTY CORP	New York Telephone
	COMET GLOVE CORP	New York Telephone
	DG DIE MFG CO	New York Telephone
	DG STEEL RULE DIE MFG CO	New York Telephone
	EM-BEE SEWING MACH CO INC	New York Telephone
	F & F SEWING MACH CO	New York Telephone
	F & F SEWING MACHINE CO	New York Telephone
	FISHKIN MORRIS SEWNG MACHS	New York Telephone
	G & G KNITTED FABRICS CO INC	New York Telephone
	GALEWSKI A & SONS INC LTHR	New York Telephone
	GROPPER ISAAC FABRCS	New York Telephone
	GROPPER LEON FABRCS	New York Telephone
	LOVELY BAG CO	New York Telephone
	MARCUS ABRAHAM CPA	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	NY EMBOSSING CO	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone

FINDINGS

Year	Uses	Source
1950	NORWALK SLIPPER CO INC	New York Telephone
	RUDERMAN INC FUR DYERS & DRNESSERS	New York Telephone
	SAVOOD PHILIP	New York Telephone
	SAVODNIK PHILIP B	New York Telephone
	SCHECHTER BERNIE AUCTNR	New York Telephone
	SCOTTO F VEG	New York Telephone
	SHEFFIELD MFQ CO INC	New York Telephone
	TRAVEL MORE LUGGAGE	New York Telephone
1947	BAROUCH BROS BTHROBS	New York Telephone
	CARTER REALTY CORP	New York Telephone
	COMET GLOVE CORP	New York Telephone
	COMMODORE LEATHER GOODS INC FCTY	New York Telephone
	DG STEEL RULE DIE MFG CO	New York Telephone
	EVE BLOUSE & SPORTSWR CO INC	New York Telephone
	F & B SEWING MACHINE CO	New York Telephone
	FISHKIN MORRIS ELECTCREN	New York Telephone
	G & G KNITTED FABRICS CO	New York Telephone
	GROPPER ISAAC FABRCS	New York Telephone
	GROPPER LEON FABRCS	New York Telephone
	LEITER M SEWNG MACHS	New York Telephone
	MANHATN EMBOSSING CO	New York Telephone
	MARCUS ABRAHAM CPA	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	MODERN KNITTED FABRICS CO	New York Telephone
	NY EMBOSSING CO	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO INC	New York Telephone
	PLEXI PRODS CO	New York Telephone
	ROSE GARMENT CO INC	New York Telephone
	RUDERMAN INC FUR DYERS & DRESSERS	New York Telephone
	SAVODNIK PHILIP SEWNG MACHS	New York Telephone
	SHEFFIELD MFG CO INC	New York Telephone
1942	BAROUCH BROS BTHROBS	New York Telephone
	COMET GLOVE CORP	New York Telephone
	CONTINENTL CLOTH CUTTING MACH CORP	New York Telephone
	F&B SEWING MACHINE CO	New York Telephone

FINDINGS

Year	Uses	Source
1942	FISHKIN MORRIS ELECTRCN	New York Telephone
	FOUR FORTY CORP RL EST	New York Telephone
	G & G TEXTILE CORP	New York Telephone
	GALEWSKI A & SONS INC LTHR	New York Telephone
	GROPPER ISAAC FABRCS	New York Telephone
	GROPPER LEON FABRCS	New York Telephone
	NY LEATHER EMBOSSING CO	New York Telephone
	NORWALK SLIPPER CO INC	New York Telephone
	REMUS CIE	New York Telephone
	REMUS EDW B	New York Telephone
	RUDERMAN INC FUR DYERS &DRESSERS	New York Telephone
	SHEFFIELD MFQ CO INC	New York Telephone
	STANDARD SYNTHETICS INC	New York Telephone
1938	BERGER GORIN PRESS INC	New York Telephone
	COEN WM D B	New York Telephone
	CROWN CARD CO	New York Telephone
	CROWN CARD & PAPR CO	New York Telephone
	CROWN FUR DYEING CORP	New York Telephone
	EMPIRE RAYON YARN CO INC	New York Telephone
	EXPERT CLOTH SPONGING CO INC	New York Telephone
	G & M TEXTILE CO INC	New York Telephone
	GALEWSKI A & SONS INC LTHR GDS	New York Telephone
	GORIN IRVING PRNTG	New York Telephone
	GROPPER ISAAC FABRCS	New York Telephone
	GROPPER LEON FABRCS	New York Telephone
	L & L CLOTH EXAMNINERS SHRINKERS & REFINISHERS INC	New York Telephone
	L & L EXPERT SHRINKERS CORP	New York Telephone
	L & L EXPERT SHRINKERS CORP	New York Telephone
	MAXINE DOLL CO INC	New York Telephone
	MILLER SOL B	New York Telephone
	NY EMBOSSING CO	New York Telephone
	NY LEATHER EMBOSSINIG CO	New York Telephone
	OHSMAN EDW FUR DYEING	New York Telephone
	SCOTT BERGEL CO	New York Telephone
	SHEFFIELD MFG CO INC	New York Telephone
	SIEGEL LOUIS B	New York Telephone
	SONN HENRY B	New York Telephone

FINDINGS

Year	Uses	Source
1938	SONN HENRY & CO INC	New York Telephone
	SONN LEASING CORP-	New York Telephone
	SONN VIEW DEVELOPMENT CORP	New York Telephone
	ZYDNEY MORRIS B	New York Telephone
1927	ADORE DRESS CO	New York Telephone
	BECKERMAN & ENDE FURS	New York Telephone
	BRESLIN M B	New York Telephone
	COHEN I FURS	New York Telephone
	COROFF S FURS & SKINS	New York Telephone
	DIAMOND & CHANIN DRSES	New York Telephone
	DOBKIN RICHARD DRESSES	New York Telephone
	EMETH REALTY CORP	New York Telephone
	GALUTEN BROS FURS	New York Telephone
	GLORIA FANCY PLEATING & PATTERN CO	New York Telephone
	GORDON LOUISE MRS EMBDRY	New York Telephone
	HIRSCHFIELD D & BROS FURS	New York Telephone
	HOFFMAN HENRY T FUR ROBES	New York Telephone
	KIVELL BROS	New York Telephone
	L & L CLOTH EXAMINERS SHRINKERS & REFINISHERS INC	New York Telephone
	L & R DRESS CO	New York Telephone
	LEVY & LOCKWOOD	New York Telephone
	LISS MAX	New York Telephone
	LOEB & WEINTRAUB FURRIERS	New York Telephone
	POKART H FURS	New York Telephone
	PROPER MADE DRESS CO	New York Telephone
	PUGATCH BROS FURS	New York Telephone
	QUALITY TUCKING & HEMSTITCHING CO	New York Telephone
	SCHACHTER & ELUKIN FURS	New York Telephone
	SCHECHTMAN & FRASSO CTS	New York Telephone
	SCHWARTZ BROS FURS	New York Telephone
	SERESKY & SON MFRS FURS	New York Telephone
	SHARKEY & RATNER RAINCOATS	New York Telephone
	SIEGEL HARRY DRESSES	New York Telephone
	SPRECHMAN SAML FURRIER	New York Telephone
	STEINMARDER M FURS & SKINS	New York Telephone
	STEPHENS D R	New York Telephone
	THOMASIAN ARSEN EMBDRY	New York Telephone

FINDINGS

Year	Uses	Source
1927	THOMASIAN LEVON RUGS	New York Telephone
	THOMASIAN LEVON RUGS	New York Telephone
	TURKENITZ ISIDOR DRSES	New York Telephone
	WELSH ELEVATOR & MACHINE WKS -	New York Telephone
	WELSH ELEVATOR & MACHINE WKS -	New York Telephone
	WOMANS WEAR NOVELTY CO	New York Telephone
	WORTH WHILE DRESS CO INC	New York Telephone
	ZYDNEY MORRIS	New York Telephone
	ZYDNEY & BRESLIN	New York Telephone

120 W 25 ST

Year	Uses	Source
1998	GUTMAN JOSEPH ASSOCS	NYNEX Telephone
	RENAISSANCE DOOR CO	NYNEX Telephone
1993	GUTMAN JOSEPH ASSOCS	NYNEX Telephone
1988	AMERLITE ALUMINUM CO INC	NYNEX Telephone
	BURGESS J	NYNEX Telephone
	COX KEVIN C	NYNEX Telephone
	GUTMAN JOSEPH ASSOCS	NYNEX Telephone
	JONES STEVEN	NYNEX Telephone
	KWONG BRADLEY	NYNEX Telephone
	MACKENZIE DONALD	NYNEX Telephone
	MCGINNIS JAMES P	NYNEX Telephone
	ROSENBAUM JOHN E	NYNEX Telephone
	SCHNEIDER MARK	NYNEX Telephone
	STEVENSON JEFF	NYNEX Telephone
	VAN ZANDT DAVID	NYNEX Telephone
	VICTOR JERRY	NYNEX Telephone
1983	BUCHANAN JOHN R	New York Telephone
	DAVISON GEORGE P	New York Telephone
	FRIEDLAND B	New York Telephone
	GARBER ALAN	New York Telephone
	GUTMAN JOSEPH ASSOCS	New York Telephone
	LINDSEY G	New York Telephone
	O NEILL BRIEN	New York Telephone
	SAHAG JOHN	New York Telephone
	SCHUMAN JAMES R	New York Telephone
	VAN ZANDT DAVID	New York Telephone
	VICTOR JERRY	New York Telephone

FINDINGS

Year	Uses	Source
1983	VILLEMARETTE SUZANNE	New York Telephone
1973	COHEN LEON J SEWG MACHS	New York Telephone
	COHEN SOL Z SEWG MACHS	New York Telephone
	COHEN SOL Z ASSOCS	New York Telephone
	CURTIS IRVING SEWG MACHS	New York Telephone
	EASTERN SEWING & SHOE MACHINE CORP	New York Telephone
	EASTERN SHOE MACHY CORP	New York Telephone
	FOGEL JACK B	New York Telephone
1968	COHEN LEON J SEWG MACHS	New York Telephone
	COHEN SOL Z SEWG MACHS	New York Telephone
	COHEN SOL Z ASSOCS	New York Telephone
	CURTIS LRVING SEWG MACHS	New York Telephone
	EASTERN SEWING MACH CO INC	New York Telephone
	EASTERN SHOE MACHY CORP	New York Telephone
	FOGAL JACK B	New York Telephone
1963	AMER BUTTONHOLE & PLEATING CO	New York Telephone
	ANDRES RACHEL B	New York Telephone
	BURGLARPROOF LOCK INSTALLACTION CO	New York Telephone
	KLEIN FRANK LOCKS	New York Telephone
1958	AMER BUTTONLIOLE & PLEATING CO	New York Telephone
	ANDRES RACHEL B	New York Telephone
	BURGLARPROOF LOCK INSTALLATION CO	New York Telephone
	CANAL BUCKLE & NOVELTY CO	New York Telephone
	KLEIN FRANK LOCKS	New York Telephone
1956	AMER BUTTONHOLE & PLEATING CO	New York Telephone
	ANDRES RACHEL B	New York Telephone
	BURGLAR PROOF LOCK LNST CO	New York Telephone
	KLEIN FRANK LOCKS	New York Telephone
1950	AMER BUTTONHOLE & PLEATING CO	New York Telephone
	BURGLAR PROOF LOCK INST CO	New York Telephone
1947	AMER BUTTONHOLE & PLEATING CO	New York Telephone
	BURGLAR PROOF LOCK INST CO	New York Telephone
	GREENE J CARPNTR	New York Telephone
	KLEIN FRANK LOCKS	New York Telephone
1942	AMER BUTTONHOLE &PLEATLNG CO	New York Telephone
	BURGLAR PROOF LOCK INST CO	New York Telephone
	GREENE J CARPNTR	New York Telephone

FINDINGS

Year	Uses	Source
1942	KLEIN FRANK LOCKS	New York Telephone
1938	AMER BUTTONHOLE & PLEATING CO	New York Telephone
	BURGLAR PROOF LOCK INST CO	New York Telephone
	GREENE J CARPNTR	New York Telephone
	KLEIN FRANK LOCKS	New York Telephone
	KOPP MORRIS PAINTR	New York Telephone
1927	HARTSDALE CANINE CEMETERY	New York Telephone
	LA ROSE STITCHING & PLEATG CO	New York Telephone
	N Y VETERINARY HOSPITAL	New York Telephone
	REEFFS H BAKERY & DAIRY REST INC	New York Telephone
	STADLER S RESTAURANT	New York Telephone

121 W 25 ST

Year	Uses	Source
1968	BERGER AL INC SEWG MACHS	New York Telephone
	BERGER AL INC SEWG MACHS	New York Telephone
1963	BERGER AL INC SEWG MACHS	New York Telephone
	BERGER AL INC SEWG MACHS	New York Telephone
	KINNEY SYSTM INC	New York Telephone
1958	BERGER AL SEWNG MACHS	New York Telephone
	BERGER AL SEWNG MACHS	New York Telephone
1956	BERGER AL SEWNG MACHS	New York Telephone
	BERGER AL SEWNG MACHS	New York Telephone
1950	BERGER AL SEWNG MACHS	New York Telephone
	BERGER AL SEWNG MACHS	New York Telephone
	OROURKE MICHL	New York Telephone
1947	BERGER AL SEWNG MAS	New York Telephone
	BERGER AL SEWNG MAS	New York Telephone
1942	BERGER AL SEWNG MACHS	New York Telephone
	BERGER AL SEWNG MACHS	New York Telephone
1927	HOLMAN B INC FURS	New York Telephone
	HOLMAN B INC FURS	New York Telephone

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Year	Uses	Source
1998	OLD PAPER ARCHIVE	NYNEX Telephone
1993	AMERLITE ALUMINUM CO	NYNEX Telephone
	CINDERELLA MAID SERVICE	NYNEX Telephone
	RELIABLE CLEANING SVC	NYNEX Telephone

FINDINGS

Year	Uses	Source
1993	RENAISSANCE DOOR CO	NYNEX Telephone
1988	AMERLITE ALUMINUM CO	NYNEX Telephone
	AMERLITE ALUMINUM CO INC	NYNEX Telephone
1983	MUSNIK JOEPH & SON SEWING MACHINE CO	New York Telephone
1963	JABLONS ISADORE FIRSTS SUPLS	New York Telephone
	JABLONS ISADORE FIRSTS SUPLS	New York Telephone
	REED & KELLER INC FLRSTS SUPLS	New York Telephone
	VERNON TEXTILE MILLS	New York Telephone
1958	JABLONS ISADORE FIRSTS SUPLS	New York Telephone
	REED & KELLER INC FIRSTS SUPIS	New York Telephone
	VERNON TEXTILE MILLS	New York Telephone
1956	JABLONS ISADORE FLRSTS SUPLS	New York Telephone
	REED & KELLER INC FLRSTS SUPLS	New York Telephone
	VERNON TEXTILE MILLS	New York Telephone
1950	JABLONS IRVING & ISIDORE	New York Telephone
	REED & KELLER INC FLRSTS SUPLS	New York Telephone
	VERNON TEXTILE MILLS	New York Telephone
1947	VERNON TEXTILE MILLS	New York Telephone
	REED KELLER INC FLRSTS SUPLS	New York Telephone
	JABLONS IRVING & ISADORE FIRSTS SUPP	New York Telephone
1942	VERNON TEXTILE MILLS	New York Telephone
	JABLONS IRVING &ISADORE FIRSTS SUPP	New York Telephone
	REED & KELLER INC FIRSTS SUPLS	New York Telephone
1938	JABLONS LRVING & ISADORE FIRSTS SUPP	New York Telephone
	REED & KELLER FIRSTS SUPP	New York Telephone
	VERNON TEXTILE MILLS WAREHSE	New York Telephone
1927	JABLONS ISIDORE FLORISTS SUP	New York Telephone
	MAURZ GEORGE FLRST SUP	New York Telephone
	REED & KELLER FIRSTS SUPP	New York Telephone

123 W 25 ST

Year	Uses	Source
1983	AUTOMOTION DEVICES	New York Telephone
	GEDULDIG IRVING B	New York Telephone
	GEDULDIG IRVING B	New York Telephone
	TRIM-VAC	New York Telephone

FINDINGS

Year	Uses	Source
1978	AUTOMOTION DEVICES	New York Telephone
	GEDULDIG IRVING B	New York Telephone
	TRIM-VAC	New York Telephone
1973	AUTOMOTION DEVICES	New York Telephone
	GEDILDIG IRVING B	New York Telephone
	GEDULDIG IRVING B	New York Telephone
1968	ALTMAN & LES SER SEWG MACHS	New York Telephone
	ASSOCIATED SEWING MACHINE CO INC	New York Telephone
	LESSER DAVID AUCTNR	New York Telephone
1963	ALTMAN & LESSER SEWG MACHS	New York Telephone
	ASSOCIATED SEWING MACHINE CO INC	New York Telephone
	LESSER DAVID AUCTNR	New York Telephone
1958	ALTMAN & LESSER SEWG MACHS	New York Telephone
	ASSOCIATED SEWING MACHINE CO INC	New York Telephone
	LESSER DAVID AUCTNR	New York Telephone
1956	ALTMAN & LESSER SEWG MACHS	New York Telephone
	ASSOCIATED SEWING MACHINE CO INC	New York Telephone
	LESSER DAVID AUCTNR	New York Telephone
1950	ALTMAN & LESSER SEWG MACHS	New York Telephone
	ASSOCIATED SEWING MACHINE CO INC	New York Telephone
	LESSER DAVID AUSTNER	New York Telephone
	MANU-TEX INDUSTRIES CO	New York Telephone
	SCHWARTZ ROBT ELECTRCN	New York Telephone
1947	ALTMAN & LESSER SEWG MACHS	New York Telephone
	ASSOCIATED SEWING MACH CO	New York Telephone
	SCHANTZ ALFRED ELECTRCN	New York Telephone
	SCHWARTZ ROBT ELECTRCN	New York Telephone
1942	ALTMAN &LESSER SEWNG MACHS	New York Telephone
	ASSOCIATED SEWING MACHINE CO	New York Telephone
	BARSKY CO SEWNG MACHS	New York Telephone
	R & S ELEC CO	New York Telephone
	SCHWARTZ ROBT ELECTICN	New York Telephone

FINDINGS

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Year	Uses	Source
1998	AMERLITE ARCHITECTURAL WINDOW SYSTEM	NYNEX Telephone
	JOHOYS	NYNEX Telephone
	MONOGRAPHS LTD	NYNEX Telephone
1993	ARTIGIANI INC	NYNEX Telephone
1988	BLEIWEISS CARL	NYNEX Telephone
	BRIZZI ANDREA	NYNEX Telephone
	DAVIS R	NYNEX Telephone
	DIAZ STEPHEN	NYNEX Telephone
	HAMILTON L ALEX	NYNEX Telephone
	HAMILTON L ALEX	NYNEX Telephone
	HARAN FRANK	NYNEX Telephone
	LIST L	NYNEX Telephone
	NATALE C	NYNEX Telephone
	PARK KUN S	NYNEX Telephone
	SAMAS RICHARD N	NYNEX Telephone
	WARNER HENRY	NYNEX Telephone
1983	ARMSTRONG DAVID	New York Telephone
	DAVIS L C	New York Telephone
	FEBUS LUNCHNET	New York Telephone
	FISHER RICHARD A	New York Telephone
	GRAY FISHER M	New York Telephone
	KRONICK DAVID M	New York Telephone
	SAMAS RICHARD N	New York Telephone
	STEWART-DANIELS G	New York Telephone
	TICE H & R	New York Telephone
	TYLER B	New York Telephone
	WALD FACTORS	New York Telephone
1978	FEBUS LUNCHNET	New York Telephone
1973	FEBUS LUNCHNET	New York Telephone
1963	BORNSTEIN SOL SEWG MACHS	New York Telephone
	JABLONS J SONS TLR TRMGS	New York Telephone
	JABLONS J SONS TLR TRMGS	New York Telephone
1958	ALPER SIMON LUNCHNET	New York Telephone
	BORNSTEIN SOL SEWG MACH	New York Telephone
	JABLONS J SONS TLR TRMNG	New York Telephone
1956	ALPER SIMON LUNCHNET	New York Telephone
	JABLONS J SONS TLR TRMGS	New York Telephone

FINDINGS

Year	Uses	Source
1956	SIDES MAX SEWNG MACHS	New York Telephone
	SIDES MAX SEWNG MACHS	New York Telephone
1950	ALPER SIMON LUNCHNET	New York Telephone
	JABLONS J SONS TLR TRMGS	New York Telephone
	MIDTOWN SEWING MACH CO	New York Telephone
	SIDES MAX SWNNG MACHNST	New York Telephone
	SIDES MAX SWNNG MACHNST	New York Telephone
1947	ALPER SIMON LNCHNET	New York Telephone
	JABLONS J SONS TLR TRMGS	New York Telephone
	MIDTOWN SEWING MACH CO	New York Telephone
	SIDES MAX SEWNG MACHNST	New York Telephone
	SIDES MAX SEWNG MACHNST	New York Telephone
1942	JABLONS J SONS TLR TRMGS	New York Telephone
	KURLAND JOE TRIMGS	New York Telephone
	LEVINE R MISS INCHIET	New York Telephone
1938	JABLONS J SONS TLR TRMGS	New York Telephone
	KURLAND JOE TRIMGS	New York Telephone
	MANDEL S LUNCH	New York Telephone
1931	KULOUNTZOS JAS P	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	JABLONS IRVING	New York Telephone
	JABLONS ISIDORE	New York Telephone
	JABLONS J SONS TLR TRMGS	New York Telephone

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Year	Uses	Source
1988	CONWAY PAUL	NYNEX Telephone
1978	AAA KLAUSNER MOVING & TRUCKG COLNC	New York Telephone
	DAVIDOW ROBT SEWG MACHS	New York Telephone
	HOLZMAN PAUL S CO	New York Telephone
	KLAUSNER H MOVG	New York Telephone
1973	AAA KLAUSNER MOVING & TRUCKG COLNC	New York Telephone
	ALPINE ELEC & MOTOR CO	New York Telephone
	DAVIDOW ROBT SEWG MACHS	New York Telephone
	KLAUSNER H MOVG	New York Telephone
1968	ANE ELEC & MOTOR CO	New York Telephone
	KLAUSNER H MOVG	New York Telephone
	SMITH ROBT E B	New York Telephone

FINDINGS

Year	Uses	Source
1963	AMALGAMATED SEWING MACH CO INC	New York Telephone
	HOLZMAN PAUL S CO	New York Telephone
	LEVIN MARTIN SEWNG MACHS	New York Telephone
	STEIN LOUIS AUCTNR	New York Telephone
1958	STEIN LOUIS AUCTNR	New York Telephone
	PRECISION HOOK CO INC	New York Telephone
	LEVIN MARTIN SEWNG MACHS	New York Telephone
	HOLZMAN PAUL S CO	New York Telephone
	HOLZMAN PAUL S CO	New York Telephone
1956	PRECISION HOOK CO INC	New York Telephone
	LEVIN MARTIN SEWRG MACHS	New York Telephone
	AMALGAMATED SEWING MACH CO INC	New York Telephone
	STEIN LOUIS AUCTNR	New York Telephone
1950	AMALGAMATED SEWING MACHINE CO	New York Telephone
	KENRON TRADING CO	New York Telephone
	KIRSCHNER SAM MACHNST	New York Telephone
	KRISILOFF AL SEWNG MACHS	New York Telephone
	LEVIN MEYER AUCTNR	New York Telephone
	SCHIFF CHAS K MACHNST	New York Telephone
	SHAMIEH WM A SEWNG MACHS	New York Telephone
1947	AMALGAMATED SEWING MACHINE CO	New York Telephone
	KRISILOFF AL SEWNG MACHS	New York Telephone
	LEVIN MEYER AUCTNR	New York Telephone
	SCHIFF CHAS K MACNNST	New York Telephone
	SHAMIEH WM A SEWNG MACHS	New York Telephone
1942	AMALGAMATED SEWING MACHINE CO	New York Telephone
	LEVIN MEYER AUCTNR	New York Telephone
	SCHIFF CHAS K MACHNST	New York Telephone
	SHAMIEH WM A SEWNG MACHS	New York Telephone
	SUPREME ELEC CO CONTRS	New York Telephone
1938	JONES PAUL S CO HOTL SUPLS	New York Telephone
	OHRBERG WM A CPA	New York Telephone

W 25 ST W

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Year	Uses	Source
1998	ROCCO VINCENT	NYNEX Telephone

W 25TH

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Year	Uses	Source
1934	Toro Virginia cigar mfr	R. L. Polk & Co.
1927	Lerner Jack trmngs	New York Telephone
1923	Golomb Saml M Golomb & Cohen	R. L. Polk & Co.
	Goldwasser M & Sons Morris & Hyman & Harry Goldwaser suits	R. L. Polk & Co.
1920	Cohen B & Bro Bernard Cohen cigarmfrs	R. L. Polk & Co.

105 W 25TH

Year	Uses	Source
1934	Goldfarb Harry carptr	R. L. Polk & Co.
	Silk Julius office fixtures	R. L. Polk & Co.
	Tudor Larry sewing mach	R. L. Polk & Co.
1927	Modern Pressing Co	New York Telephone
	Sporty M machines	New York Telephone
	University Tucking & Hemstichg Inc	New York Telephone
	Kroll L sewing machs & electric motors	New York Telephone
	Bimblick Woolf japng	New York Telephone
1923	American Style Tucking Co RTN Hersch Levin	R. L. Polk & Co.
	Mistretta Antonio embds	R. L. Polk & Co.
	Owl Button Wks RTN Irving J Schantz	R. L. Polk & Co.
	Schwartz H & Son Hyman & Roht furriers	R. L. Polk & Co.
1920	Daly Terence	R. L. Polk & Co.
	Monier Jules	R. L. Polk & Co.
	Zeldin Sydney Arenzy Braid Co	R. L. Polk & Co.
	Rothstein Jos Arenzy Braid Co	R. L. Polk & Co.

106 W 25TH

Year	Uses	Source
1934	Schneider Michl Inc Benj Schneider pres Jacob Bloohorcky v pres sec treas dress trimmings	R. L. Polk & Co.
	Schneider Benj pres Michl Schneider Inc	R. L. Polk & Co.
	Blochorcky Jacob sec treas Michl Schneider Inc	R. L. Polk & Co.
1927	Bratman Bros sign makers	New York Telephone
	Bergman Louis F plmbr	New York Telephone

FINDINGS

Year	Uses	Source
1923	Swift Thos v p Gloria Productions Inc h Princeton Hotel	R. L. Polk & Co.
	Swift Sign Co RTN Oscar Rosenaum	R. L. Polk & Co.
	Bergman Louis F plmhr	R. L. Polk & Co.
1920	Weinstein Chas signs	R. L. Polk & Co.
	Switt Sign Co RTN Irving Cohen Max Kastner Natlhan Schorr	R. L. Polk & Co.
	Schorr Nathan Swift Sign Co	R. L. Polk & Co.
	Panama Electric Co RTN Morris Kaplan Louis Hasenfeld	R. L. Polk & Co.
	Myers Alf S statistician Rockefeller Foundatoin h Upper Montclair NJ	R. L. Polk & Co.
	Myers Alf	R. L. Polk & Co.
	MacLauchlan Jos H v p treas Equity Engineering Co h St Georges SI	R. L. Polk & Co.
	Maclary Geo Z with Am T & T Co h Caldwell NJ	R. L. Polk & Co.
	MacLarnan I J	R. L. Polk & Co.
	Kastner Max Swift Sign Co	R. L. Polk & Co.
	Kaplan Morris Panama Electric Co	R. L. Polk & Co.
	Hasenfeld Louis Panama Electric Co	R. L. Polk & Co.
	Friebele Edw F est of Ella Friebele mgr printers	R. L. Polk & Co.
	Cohen Irving Swift Sign Co	R. L. Polk & Co.
	Chambers Bros Furrirs Inc NY Jas Chambers pres Moe Chambers sec treas	R. L. Polk & Co.
	Cohen A & S Adolph & Saml coats	R. L. Polk & Co.

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Year	Uses	Source
1934	G & G Embroidery Works RTN Millie Goodstein Lily Kraus	R. L. Polk & Co.
	Holiday Sportwear Co RTN Saml Handel and Herman Strauch	R. L. Polk & Co.
	Hollander Bernard S Co RTN Bernard S Hollander buttons whol	R. L. Polk & Co.
	Kingsberg & Stern Abr Kingsberg and Bernard Stein mlny contrs	R. L. Polk & Co.
	Marvin Girl Coat Co Inc NY cap $5 000 Louis Karlisnky pres Louis Smilowitz sec treas	R. L. Polk & Co.
	Rit Zie Novelty Co RTN Fannie Leihoswitz wm Waxman mlnry mfg	R. L. Polk & Co.
	Schneiwelds Abr Rose tailor dresses	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1934	Stanley Sportwear Herbert Sturman knitwear mfrs	R. L. Polk & Co.
	Wenger Wm with Cecele Dress Co	R. L. Polk & Co.
	Cecele Dress Co RTN L Wenger Murray Soloomn	R. L. Polk & Co.
	Apple Harry E Lily art novelties	R. L. Polk & Co.
	Barosin & Kaplan Abr Barosin Jos Kaplan Jacob Spivak cloaks	R. L. Polk & Co.
	Elite Passementerie House Jas Bonn	R. L. Polk & Co.
	Feinberg clks suits	R. L. Polk & Co.
1927	Royal Sponging Works	New York Telephone
	Schenco Dress Co	New York Telephone
	Schlecker & Becker furs	New York Telephone
	Seiden Benj S mfg furrier	New York Telephone
	Sigillo J dresses	New York Telephone
	Standard Silk House	New York Telephone
	Standard Weaving Co	New York Telephone
	T & U Mortgage Go Inc	New York Telephone
	Weitzman Greenwald & Simon furs	New York Telephone
	Barnard Dress Co	New York Telephone
	Droga A & Son chldrns coats	New York Telephone
	Everywomans Garment Co dresses	New York Telephone
	Friebele E F printer	New York Telephone
	Gold Max J	New York Telephone
	Goodstein Herman embdry	New York Telephone
	Hollander Bernard S butns	New York Telephone
	Kanter Saml furs	New York Telephone
	Manhattan Dress & Costume Co	New York Telephone
	Markofsky & Resnick furs	New York Telephone
	Mintz Bros & Bloomstein embdrs	New York Telephone
	Pendergast M J printer	New York Telephone
	Roma Dress Co Inc	New York Telephone
	Royal Onyx Shrinking Wks	New York Telephone
1923	Barnard Dress Co RTN Julius Wolfers	R. L. Polk & Co.
	Binder Isidor M coats	R. L. Polk & Co.
	Fergus Abr pres Royal Onyx Shrinking Wks Inc	R. L. Polk & Co.
	Freund Schlecker & Becker Benj Freund Morris Schlecker Louis Becker furs	R. L. Polk & Co.
	Hollander & Giteison Bernard S Hollaner Hyman Gitelson buttons	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1923	Kanter & Mameson Saml Kanter & Martin Mameson furriers	R. L. Polk & Co.
	L E & R Cloak C RTN David Littman Louis Enerfeld Jos Rochstein	R. L. Polk & Co.
	Magun Herman furrier	R. L. Polk & Co.
	Manhattan Dress & Costume Co RTN Peter & Frank Plazi	R. L. Polk & Co.
	Marks Louis treas Royal Onyx Shrinking Wks	R. L. Polk & Co.
	Pendergast Martin J printer	R. L. Polk & Co.
	Royal Cloth Sponging Wks TN Abr Fergus	R. L. Polk & Co.
	Seiden Chas furs	R. L. Polk & Co.
	Standard Silk House RTN Teiman & Usdan	R. L. Polk & Co.
	Teiman & Usdan Jos Teiman Morris Usdan sliks	R. L. Polk & Co.
	Teimbach Maud E investigator Bd Chlid Welfare h Winfield BQ	R. L. Polk & Co.
	Weissberger & Tilove Saml Weissberger Barnet Tilove dresses	R. L. Polk & Co.
	Winner Dress Co RTN Abr Leiderman Julius Winter	R. L. Polk & Co.
1920	Barnard Dress Co RTN Julius Wolfert Elias Kent	R. L. Polk & Co.
	Betty Dress Co RTN Paul Kaliner Jacob Stier	R. L. Polk & Co.
	Binder & Rosenblum Isidore Binder Simon Rosenblum coats	R. L. Polk & Co.
	Crescent Dress Co RTN Louis & Hyman Needelman	R. L. Polk & Co.
	Fairmont Dress & Costume Co TN Meyer & Geo Goldstein Morris Schleassel	R. L. Polk & Co.
	Gitelson Hyman Hollander & Gitelson	R. L. Polk & Co.
	Goldstein Geo Fairmount Dress & Costume Co	R. L. Polk & Co.
	Heller Freund & Carmel Harry Heller Benj Freund Milton Carmel furs	R. L. Polk & Co.
	Hollander & Gitelson Bernard S Hollanther Hy Hollanderman Gitelson buttons	R. L. Polk & Co.
	Johnson Bldg	R. L. Polk & Co.
	Kemp Elias Bernard Dress Co	R. L. Polk & Co.
	Kent Elias Bernard Dress Co	R. L. Polk & Co.
	Needelman Bros Louis & Hyamn dresses	R. L. Polk & Co.
	Needleman Hyman Crescent Dress Co	R. L. Polk & Co.
	Needleman Loius Crescent Dress Co	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1920	Novick & Levine Harry Novick Morris Levine cloaks	R. L. Polk & Co.
	Pendergast Martin J printer	R. L. Polk & Co.
	Rosenblum Simon Binder & Rosenblum	R. L. Polk & Co.
	Rothschild Kuno Button Works RTN Mever Rothschild Richd Kuno	R. L. Polk & Co.
	Seiden Chas furs	R. L. Polk & Co.
	Siegel & Maisel Saml Siegel Louis Maisel furs	R. L. Polk & Co.
	Silber & Mameson Albert Silber Martin Mameson furriers	R. L. Polk & Co.
	Standard Silk House RTN Jos Teiman Morris Usdan silks	R. L. Polk & Co.
	Weissberger & Tilove Saml Weissberger Barnett Tilove dresses	R. L. Polk & Co.
	Zelikow M & M Morris & Max coats	R. L. Polk & Co.

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Year	Uses	Source
1934	Berkowitz Irving & Co Inc cap $ 30 000 Irving Berkowitz pres sewing mach	R. L. Polk & Co.
	Feigenbaum Edw L Palmy Dress Co	R. L. Polk & Co.
	Goldstein & Bodstenstin Frank W Goldstein & Frank Bodestrin clo mtrs	R. L. Polk & Co.
	Hanna Dress Co RTN Hyman Levine	R. L. Polk & Co.
	Hanna Drexel Elsa chief clk Underwood Elliott Fisher Co r Jersey City NJ	R. L. Polk & Co.
	Jacobs & Deluca Philip Jacobs Mack Deluca clo mfs womens and misses	R. L. Polk & Co.
	Levine H pres Levien & Co Inc	R. L. Polk & Co.
	Levine H & Co Inc H Levine pres Clock mfrs	R. L. Polk & Co.
	Levine H B sec M H Fishman Co Inc r Jersey City NJ	R. L. Polk & Co.
1927	Ambrosino Theo cts & sts	New York Telephone
	Antman Abr furrier	New York Telephone
	Bloom & Goldstein cloaks	New York Telephone
	Charmante Dress Co Inc	New York Telephone
	Fink Leibowitz & Staub Inc furs	New York Telephone
	Holtzman Isidore fur mfr	New York Telephone
	Klepner S & Sons furs	New York Telephone
	Lapkin & Belink clks sts	New York Telephone
	Markwell Coat Co Inc	New York Telephone

FINDINGS

Year	Uses	Source
1927	Marmorek Simon acctnt	New York Telephone
	Schwartz Leon furs	New York Telephone
	Simkin A D & Co cloaks	New York Telephone
1923	Miele Danl Watkins Cloak Co	R. L. Polk & Co.
	Morsoff Benj furs	R. L. Polk & Co.
	Schiff & Kornbluth Gertrude Schiff & Harry Kornbluth dresses	R. L. Polk & Co.
	Sloat M Co RTN Morris Sloat petticoats	R. L. Polk & Co.
	Steinhacker Wm furs	R. L. Polk & Co.
	Steinreich Louis Ligit & Adler	R. L. Polk & Co.
	Vogel Weiss & Co Robt Vogel Saml Weiss Bertha Kotler coats	R. L. Polk & Co.
	Watckins Cloak Co RTN Danl Miele Barney Yudelowitz Jacob Dublirer	R. L. Polk & Co.
	Wendorf A & Co Abr Wendorf suits	R. L. Polk & Co.
	Yudelowitz Barney Watckins Cloak Co	R. L. Polk & Co.
	Chambers Bros Inc NY Jos Chambers pres Moses Chambers sec furries	R. L. Polk & Co.
	CHAMBERS CHARLES Treas & Counsel Investors Service & Audit Inc h Bkn	R. L. Polk & Co.
	Cohen A & S Abr & Saml cloaks	R. L. Polk & Co.
	Dublirer Jacob Watkins Cloak Co	R. L. Polk & Co.
	Glassheim Geo N furs	R. L. Polk & Co.
	Hauer & Laufer Hellel Hauer & Jacob Laufer cloaks	R. L. Polk & Co.
	Klepner S & Sons Saml Hy & Irving Klepner furs	R. L. Polk & Co.
	Kleppe Karl A pres P Kleppe & Co Inc h Bkn	R. L. Polk & Co.
	Light & Adler Abr Light Louis Steinmich Jos L Adler clothing	R. L. Polk & Co.
1920	Glassheim Geo N furs	R. L. Polk & Co.
	Klepner Saml & Sons Saml Hy & Irving raw furs	R. L. Polk & Co.
	London Coat House RTN Regina A Vogel	R. L. Polk & Co.
	Marsoff Benj furs	R. L. Polk & Co.
	Oxford Cloak Co RTN Jacob Mittenthal	R. L. Polk & Co.
	Pearlstein Chas S cloaks	R. L. Polk & Co.
	Rauch Bros Isaac & Wm suits	R. L. Polk & Co.
	Schiff & Kornbluth Gertrude Schiff Harry Kornbluth dresses	R. L. Polk & Co.
	Sloat M Co Morris Sloat petticoats	R. L. Polk & Co.
	Stenhacket Wm furs	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1920	Ungar Waist Co RTN Isador Ungar	R. L. Polk & Co.
	Wendorf A & Co Abram Wendorf cloaks	R. L. Polk & Co.

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Year	Uses	Source
1927	Cohen & Lichter lds clks	New York Telephone

110 W 25TH

Year	Uses	Source
1934	Russell Homes Corp NY: cap $600 Henry Sonn pres Roscol R Rowe v pres Wm D sec Jos C Koenigsberg real est	R. L. Polk & Co.
1923	Alexander Smith & Wegner Jos Alexander Chas Smith Sol Wagner cloaks	R. L. Polk & Co.
	Aronoff Thrkewich & slavin Harry Aronoff Aaron Turkenwich and wm Slavin dress	R. L. Polk & Co.
	Pearlstein Chas coats	R. L. Polk & Co.
	Rabinowitz & Podvoll Nathan Rabinowitz Max Podvoll furriers	R. L. Polk & Co.
	Thomasian Arsen embdy	R. L. Polk & Co.
	Crakow L N Mr & Mrs Louis N & Hattie L res buyers	R. L. Polk & Co.
1920	Jay Eff Jobbing Co RTN Jos clk	R. L. Polk & Co.

111 W 25TH

Year	Uses	Source
1934	Itzkowitz M & Sons Inc NY cap $10 000 Jacob Itzkowitz pres & sec Saml Itzkowitz v pres treas sewing machines	R. L. Polk & Co.
1927	Halpren P S ctn gds	New York Telephone

113 W 25TH

Year	Uses	Source
1923	Johnson & Bullock Inc NY Wm G Bullock pres Hollis B Wade v p Jas Moffet sec flour	R. L. Polk & Co.

115 W 25TH

Year	Uses	Source
1934	Ehrlich Howard cigars	R. L. Polk & Co.
	Earle Display Fixture Co RTN Isidor Rabinowitz Ellis Morres display fixtures	R. L. Polk & Co.
	Br	R. L. Polk & Co.
1927	Reiff & Shnell furs	New York Telephone

Year	Uses	Source
1927	Kirschner Saml furs	New York Telephone
	Blum & Green furs	New York Telephone
	Spikler B furs	New York Telephone
1920	Siegenfelds Embroidery Wks RTN Saml Siegenfelds	R. L. Polk & Co.
	Metric & Charnoff Saml Metric Saml Charnoff trimmings	R. L. Polk & Co.
	Litwak Israel restr	R. L. Polk & Co.
	Charnoff Saml Metric & Charnoff	R. L. Polk & Co.
	Anchor Button Works RTN Jacob Chipkin Jacob Ulrich	R. L. Polk & Co.

116 W 25TH

Year	Uses	Source
1927	Chovnick Printing Co	New York Telephone
1923	Forbier A W treas Hy Maillard Inc	R. L. Polk & Co.
	Warren M J sec Hy Maillard Inc	R. L. Polk & Co.
	Gleeson C G v p Hy Maillard Inc	R. L. Polk & Co.
	Miannav E G v p Maillard Inc	R. L. Polk & Co.

117 W 25TH

Year	Uses	Source
1934	A A Contracting Co RTN Sam Greenberg Harry Goldfarb	R. L. Polk & Co.
	Ace Sign Co Inc Benj Shames pres treas	R. L. Polk & Co.
	Bergman Louis F & Son RTN Robt G Bergman plmbrs	R. L. Polk & Co.
	Chelsea Electric Co RTN Philip Winograd Nath Sacherson	R. L. Polk & Co.
	Greenberg Harry express	R. L. Polk & Co.
	Roxy Show Rooms RTN Sol Bornstein office furn	R. L. Polk & Co.
	Roxy Van & Express Corp NY cap $10 000 Sol Bornstein pres trucking	R. L. Polk & Co.
	S B Trucking TN; Sol Bornstein	R. L. Polk & Co.
	Shames Modernistic Carved Glass Co	R. L. Polk & Co.
1927	Ackerman Fligler & Shuster furs	New York Telephone
	Armstrong R J & Co theatrical trimmings	New York Telephone
	Landrieu P imptr exptr	New York Telephone
1923	Eskin Mfg Co Inc NY David Eskin pres Aaron Kasanoff sec Nathan Kisanoff treas dresses	R. L. Polk & Co.
	Eskin Sadie bkpr Jos H Schwartz r Bkn	R. L. Polk & Co.

Year	Uses	Source
1923	Weinstein Louis Co RTN Louis Weunstein cloak	R. L. Polk & Co.
1920	Daarf Contracting Co N Y Emil Fraad pres treas Elsie R Fread v p Felix Liebler sec bldrs	R. L. Polk & Co.
	Gottlieb Jacob bldr	R. L. Polk & Co.
	Herz Express Co Inc NY Abram Herz pres treas Edgar Willner sec	R. L. Polk & Co.

118 W 25TH

Year	Uses	Source
1934	Coy Helen	R. L. Polk & Co.

119 W 25TH

Year	Uses	Source
1934	Breslin M B sec treas L & L Cloth Examiners Shrinkers & Refinishers	R. L. Polk & Co.
	Cohen Jacob pres King Innovations Inc	R. L. Polk & Co.
	Crown Card & Paper Co Max Stuckelman Jacob Greenwald	R. L. Polk & Co.
	Expert Cloth Sponging Co Inc NY cap $20 000 Sol Miller pres Louis Siegel sec treas	R. L. Polk & Co.
	Feinsil Dress RTN Isidore Feinstein	R. L. Polk & Co.
	Glassheim Bros Inc NY cap $20 000 Maurice I Glassheim pres Leonard Glassheim sec treas mlnry braid mfrs	R. L. Polk & Co.
	Kaplan Irving Irving Printing Co	R. L. Polk & Co.
	Kessler Press RTN Ruth Kessler	R. L. Polk & Co.
	Kessler Ruth Kessler Press	R. L. Polk & Co.
	King Innovation Inc NY Jacob Cohen pres Gus R Rona v pres Alex Burkes sec treas	R. L. Polk & Co.
	Quality Tucking & Hemstitching Co RTN Sidney Fingerman	R. L. Polk & Co.
	Rubenstein S steam appliances	R. L. Polk & Co.
	Rubenstein Sylvia Mrs steam supplies	R. L. Polk & Co.
	Sewing Machine Trading Corp of New York NY cap $10 000 Chas Levine pres Abr Levine sec treas Sewing machs	R. L. Polk & Co.
	Three Bee Dress Co RTN; Wm Blum Benj Bernstein Kate Berkowitz	R. L. Polk & Co.
	United Lamp & Shade Co RTN Sidney Volansky	R. L. Polk & Co.
	Welsh Elevator & Machine Works John E Macmillan	R. L. Polk & Co.
1927	Zydney & Breslin	New York Telephone

FINDINGS

Year	Uses	Source
1927	Adore Dress Co	New York Telephone
	Beckerman & Ende furs	New York Telephone
	Breslin M B	New York Telephone
	Cohen I furs	New York Telephone
	Coroff S furs & skins	New York Telephone
	Diamond & Chanin drses	New York Telephone
	Dobkin Richard dresses	New York Telephone
	Emeth Realty Corp	New York Telephone
	Galuten Bros furs	New York Telephone
	Gloria Fancy Pleating & Pattern Co	New York Telephone
	Gordon Louise Mrs embdry	New York Telephone
	Hirschfield D & Bros furs	New York Telephone
	Hoffman Henry T fur robes	New York Telephone
	Kivell Bros	New York Telephone
	L & L Cloth Examiners Shrinkers & Refinishers Inc	New York Telephone
	L & R Dress Co	New York Telephone
	Levy & Lockwood	New York Telephone
	Liss Max	New York Telephone
	Loeb & Weintraub furriers	New York Telephone
	Pokart H furs	New York Telephone
	Proper Made Dress Co	New York Telephone
	Pugatch Bros furs	New York Telephone
	Quality Tucking & Hemstitching Co	New York Telephone
	Schachter & Elukin furs	New York Telephone
	Schechtman & Frasso cts	New York Telephone
	Schwartz Bros furs	New York Telephone
	Seresky & Son mfrs furs	New York Telephone
	Sharkey & Ratner raincoats	New York Telephone
	Siegel Harry dresses	New York Telephone
	Sprechman Saml furrier	New York Telephone
	Steinmarder M furs & skins	New York Telephone
	Stephens D r	New York Telephone
	Thomasian Arsen embdry	New York Telephone
	Thomasian Levon rugs	New York Telephone
	Warerooms	New York Telephone
	Thomasian Levon rugs	New York Telephone
	Turkenitz Isidor drses	New York Telephone
	Welsh Elevator & Machine Wks	New York Telephone

FINDINGS

Year	Uses	Source
1927	Welsh Elevator & Machine Wks	New York Telephone
	Womans Wear Novelty Co	New York Telephone
	Worth While Dress Co Inc	New York Telephone
	Zydney Morris	New York Telephone
1923	AMERICAN RAILWAY EXPRESS CO Del George C Taylor Pres F P Small Soc and Asst to Pres F S Holbrook V Pres Treas W B Clark Asst to Pres and Asst Sec R E M Cowlo E A Stedmun	R. L. Polk & Co.
	Beigel Dress Co Inc NY	R. L. Polk & Co.
	Beigel Sigmund Claire Dress Co	R. L. Polk & Co.
	Besty Jane Dress Co RTN Philip & Harry Cooperskin David Feinstein	R. L. Polk & Co.
	Bloom Louis Inc N Y Louis Bloom pres clothing	R. L. Polk & Co.
	Clair Dress Co RTN Sigmund Beigel	R. L. Polk & Co.
	Faust Jos Firstenberg & Faust	R. L. Polk & Co.
	Firstenberg Fur Co Firstenberg & Faust	R. L. Polk & Co.
	Firstenberg & Faust Morris Firutenberg & Jos Faust cloaks & Suits	R. L. Polk & Co.
	Firstenberger Max A Spruce Leather Co h Bkn	R. L. Polk & Co.
	Galuten Bros Max & Isidor furs	R. L. Polk & Co.
	Galuten Isidor Galuten Bros	R. L. Polk & Co.
	Galuten Max Gaulten Bros h Bkn	R. L. Polk & Co.
	Galuten Pauline treas Rosenthal & Beckerman Inc h Bkn	R. L. Polk & Co.
	Gittleman Wm clk	R. L. Polk & Co.
	Dochter Harry Gittleman & Morris Dochter suits	R. L. Polk & Co.
	Hoffman & Soloman Wm Hoffman Jos Soloman furs	R. L. Polk & Co.
	Katz Louis dresses	R. L. Polk & Co.
	Laguna & Miller Inc NY Benj Lagauna prse Nthan Miller see cloaks	R. L. Polk & Co.
	Leading Shirt Waist Co RTNDavid Feinstein Harry & Philip Cooperstein	R. L. Polk & Co.
	Libow Bloom Co TN Robt Libow Louis Blom coats	R. L. Polk & Co.
	Miles Engraving Co Inc NY Jacob Miles pres David Cohen sec Louis Miles treas	R. L. Polk & Co.
	Nackman Louis Rosenberg & Nackman	R. L. Polk & Co.
	Nechamkin Fur Co RTN H Nechamkin & Sons	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1923	Nechamkin H & Sons Jacob Nechamkin Jos Moscoff furriers	R. L. Polk & Co.
	Nechamkin Jacob H Nechamkin & Sons h Bkn	R. L. Polk & Co.
	Pahl Jno L Co Inc N Y Jno L Pahl pres Geo H Hoyt sec clothing	R. L. Polk & Co.
	Queen Petriloat Mfg Co RTN Melcon A Karaian	R. L. Polk & Co.
	Regina Dress Co TN Edward Dobkin	R. L. Polk & Co.
	Rosenbergi & Nackman Al Rosenberg and Louis Nackman trimmings	R. L. Polk & Co.
	Seamon Max drasses	R. L. Polk & Co.
	Seidmans S Sons Chas Seidman braids	R. L. Polk & Co.
	Silbowitz & Nisnevitz Benj Silbowitz Saml Nisnevitz cloaks	R. L. Polk & Co.
	Wise Fuchs & Fruchtn Isaac Wise Harry Fuchs Benj Fruchtn furs	R. L. Polk & Co.
1920	Betsy Ross Dress Co RTN David Feinstoin Harry & Philip Cooperstein	R. L. Polk & Co.
	Cohen David photo engraver	R. L. Polk & Co.
	Crakow L N com mer	R. L. Polk & Co.
	Fox Ledarer & Co Inc NY Wm Lederer pres Hy C Fox sec cap mfrs	R. L. Polk & Co.
	Galuten Irving Galuten Bros	R. L. Polk & Co.
	Hoffberg Fur Coat Co Inc NY Albert Hoffberg pres Saml M Hoffberg sec	R. L. Polk & Co.
	Kasindorf & Meyers Herman Kasindorf Bernard L Meyers furs	R. L. Polk & Co.
	Laskin J & Sons Jacob Elmer Louis J Arth E & Myron furs	R. L. Polk & Co.
	Laskin Louis J J Laskin & Sons h Mt Vernon NY	R. L. Polk & Co.
	Leading Shirtwaist Co RTNHarry & Philip Cooperstein & David Feinstein	R. L. Polk & Co.
	Miles Benj with Miles Engraving Co Inc	R. L. Polk & Co.
	Miles Engraving Co Inc NY Jacob Miles pres Louis Miles v p treas David Cohen sec	R. L. Polk & Co.
	Nechamkin H & Son Hyman & Jacob furs	R. L. Polk & Co.
	Neiman B & Co Benj & Irving Neiman dresses	R. L. Polk & Co.
	Queen Petticoat Mfg Co RTN Melcon A Karalan	R. L. Polk & Co.
	Thomasian Arsen embds	R. L. Polk & Co.
	Waller Aaron A mgr Kalmus Bros Inc	R. L. Polk & Co.

120 W 25TH

Year	Uses	Source
1934	American Buttonhole Co Inc NY cap $1 000 Victor Latto pres treas Morris Harris v pres Edw Latt sec	R. L. Polk & Co.
	Commercial Sewing Machine Co RTN Geo Minkowitz Saml Minkowitz	R. L. Polk & Co.
	Harris Morris v pres Amer Buttonhole Co Inc	R. L. Polk & Co.
	Jablons J Sons RTN Irving and Isidore tailors	R. L. Polk & Co.
	Latto Edw sec Amer Buttonhole Co Inc	R. L. Polk & Co.
	Latto Victor pres treas Amer Buttonhole Co Inc	R. L. Polk & Co.
	Latton Arth mgr Brookfield Linen Co Ltd r Hoboken NJ	R. L. Polk & Co.
1927	Hartsdale Canine Cemetery	New York Telephone
	La Rose Stitching & Pleatg Co	New York Telephone
	N Y Veterinary Hospital	New York Telephone
	Reeffs H Bakery & Dairy Rest Inc	New York Telephone
	Stadlers Restaurant	New York Telephone
1923	Silverstein Harry dresses	R. L. Polk & Co.
	Hartsdale Canine Cemetery Inc N Y Saml K Johnson pres Irene White sec Jno F Dunseith treas	R. L. Polk & Co.
	Hartsfeld Louis treas S J Hartsfeld Co Inc h Bkn	R. L. Polk & Co.
	Hartsfeld Seymour J pres S J Hartsfeld Co Inc h Bkn	R. L. Polk & Co.
	R A & R Restaurant TN Saml Allfang Sadle Rosenberg	R. L. Polk & Co.
	New York Veterinary Hospital RTNSaml K Johnson	R. L. Polk & Co.
1920	Dunseith Jno F sec Hartsdale Canine Cemetery Inc	R. L. Polk & Co.
	Friedman Philip restr	R. L. Polk & Co.
	Hartsdale Canine Cemetery Inc NY Saml K Johnson pres treas Jno F Dunseith sec	R. L. Polk & Co.
	Hundert & Friedman Nathan Hundert Philip Friedman restr	R. L. Polk & Co.
	New York Veterinary Hospital RTN Saml K Johnson	R. L. Polk & Co.

121 W 25TH

Year	Uses	Source
1927	Holman B Inc furs	New York Telephone

Year	Uses	Source
1927	Holman B Inc furs	New York Telephone

122 W 25TH

Year	Uses	Source
1934	Maunz Geo v pres Reed & Keller Inc	R. L. Polk & Co.
	Reed & Keller Inc NY cap $32 000 Irving Jablons pres Geo Maunz v pres Abr Jablons sec Isidor Jablons treas florists supplies	R. L. Polk & Co.
1927	Jablons Isidore florists sup	New York Telephone
	Reed & Keller firsts supp	New York Telephone
	Maurz George flrst sup	New York Telephone
1923	Reed & Koller Inc NY Wm N Reed pres Saml Keller treas florist Supplies	R. L. Polk & Co.
1920	Reed & Keller Inc NY Wm N Reed pres Adele Reed sec Saml Keller treas florists	R. L. Polk & Co.

124 W 25TH

Year	Uses	Source
1934	Kurland Jos Mary trimmings	R. L. Polk & Co.
	Hechtenthal Louis restr	R. L. Polk & Co.
	Hechlanthal Louis Sadie restr	R. L. Polk & Co.
	Kurland Jos Mary trimmings	R. L. Polk & Co.
1931	Kulountzos Jas P	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Jablons J Sons tlr trmgs	New York Telephone
	Jablons Irving	New York Telephone
	Jablons Isidore	New York Telephone
1923	Nathan Gus Inc N Y novelties	R. L. Polk & Co.
	Lightning Jewelry Co Inc Herman Freedman pres Jos Bornfeld treas jewelry	R. L. Polk & Co.
	Jablons J Sons Irving and Isidor Jablons tailor trimmings	R. L. Polk & Co.
1920	Sweid & Brenner Herman Sweid Matilda Brenner embdrs	R. L. Polk & Co.
	Platek Saml delicatessen	R. L. Polk & Co.
	Jablons I & Son Isidore & Irving Jablons trimmings	R. L. Polk & Co.
	Calongo Andrea fruits	R. L. Polk & Co.

125 W 25TH

Year	Uses	Source
1934	McMillan Jas E Marine Electrical & Repair Wks	R. L. Polk & Co.

Year	Uses	Source
1934	Marine Electrical & Repair Works Jas E McMillan steam supplies	R. L. Polk & Co.
1923	Barzilay David T Metropolitan Sponging Corp	R. L. Polk & Co.
	Goorfin Harry pres and treas H Goorfin & Co Inc	R. L. Polk & Co.
	Madison Cloth Sponging Co Inc NY Jno A Dyshe pres Abr Oreutly sec treas	R. L. Polk & Co.
	Goorfin & H Co Inc N Y Harry Goorfin pres and treas furs	R. L. Polk & Co.
	Metropolitan Sponging Corp N Y Jno A Dyche pres Julius Wessel sec David Barzelay treas	R. L. Polk & Co.
1920	Elsner Anna	R. L. Polk & Co.

W 25TH FL

119 W 25TH FL

Year	Uses	Source
1934	Sonn Henry pres Henry Sonn & Co Inc	R. L. Polk & Co.

W 25TH H BKN

105 W 25TH H BKN

Year	Uses	Source
1923	Hisrch Abr threads	R. L. Polk & Co.

111 W 25TH H BKN

Year	Uses	Source
1923	Halpern Paul S cotton gds	R. L. Polk & Co.

125 W 25TH H BKN

Year	Uses	Source
1923	Berlin Nathan furs	R. L. Polk & Co.

W 25TH H DO

105 W 25TH H DO

Year	Uses	Source
1920	Monnier Julius restr	R. L. Polk & Co.

FINDINGS

W 25TH H PELHAM NY

120 W 25TH H PELHAM NY

Year	Uses	Source
1920	Johnson Saml K vet surg	R. L. Polk & Co.

W 25TH ST

100 W 25TH ST

Year	Uses	Source
2008	JOHN WELLS	Cole Information Services

101 W 25TH ST

Year	Uses	Source
2013	LOCKSMITH	Cole Information Services
2008	ANGELIC FOODS INC	Cole Information Services

102 W 25TH ST

Year	Uses	Source
2013	MIDTOWN CANDY & STATIONARY	Cole Information Services

103 W 25TH ST

Year	Uses	Source
2013	GOODWILL	Cole Information Services

104 W 25TH ST

Year	Uses	Source
1983	Continentk Sewing Supl Co	New York Telephone

106 W 25TH ST

Year	Uses	Source
2000	INTER ALLD SLS CO	Cole Information Services
1983	Inter Allied Sales Co	New York Telephone

107 W 25TH ST

Year	Uses	Source
2013	BIOMEDIA INCORPORATED	Cole Information Services
2008	DIXIE FOAM LTD	Cole Information Services
	PUBLIC SYSTEMS INC	Cole Information Services
	J & M STUDIO PHOTO	Cole Information Services
2006	Number 58 Eck Michael	Hill-Donnelly Information Services
	Number 5 A H Futterman J a	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2006	Number 6 E h Hodder H	Hill-Donnelly Information Services
	Number 3 A 3 & M Studio Photo i s as	Hill-Donnelly Information Services
	Number 3 AH Krinke Michael	Hill-Donnelly Information Services
	Number 2 E H Lepcio A	Hill-Donnelly Information Services
	Mark K	Hill-Donnelly Information Services
	Number 6 C Mcauliffe Joseph	Hill-Donnelly Information Services
	Number 3 E Meikle Sarah 0 05os	Hill-Donnelly Information Services
	Nordstrom C	Hill-Donnelly Information Services
	Pacheco Lenny	Hill-Donnelly Information Services
	Number 48 h Plympton Bill A	Hill-Donnelly Information Services
	Number 5 C H Reid W L	Hill-Donnelly Information Services
	Number 2 E H Seippel L	Hill-Donnelly Information Services
	Number 4 C Summer Jill v`	Hill-Donnelly Information Services
	Number 60 h Tracy Michael L	Hill-Donnelly Information Services
	h Travis Jeremy	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Number 6 A h Ash M	Hill-Donnelly Information Services
	Number 5 E Ashworth C	Hill-Donnelly Information Services
	Number 4D h Bobrow Andrew C	Hill-Donnelly Information Services
	Number 4 A Button Tim A	Hill-Donnelly Information Services
	Chelsea Antiques & Showcase	Hill-Donnelly Information Services
	Number 3 B H Cummings Laird a	Hill-Donnelly Information Services
	Cummings Laird	Hill-Donnelly Information Services
	Demos Gregory	Hill-Donnelly Information Services
	Number 2 A Demos Gregory va	Hill-Donnelly Information Services
2000	M ASH	Cole Information Services
	4D ANDREW C BOBROW	Cole Information Services
	TIM BUTTON	Cole Information Services
	3B LAIRD CUMMINGS	Cole Information Services
	38 LAIRD CUMMINGS	Cole Information Services
	S EHRENS	Cole Information Services
	PAUL FELDSHER	Cole Information Services
	5A A FUTTERMAN	Cole Information Services
	2D ORNA GURALNIK	Cole Information Services
	6E HOLLY HODDER	Cole Information Services
	K JACKSON	Cole Information Services
	N KRIKELLAS	Cole Information Services
	3A MICHAEL KRINKE	Cole Information Services

FINDINGS

Year	Uses	Source
2000	2E A LEPCIO	Cole Information Services
	38 K MARK	Cole Information Services
	4D C NORDSTROM	Cole Information Services
	4B BILL PLYMPTON	Cole Information Services
	5E BILL REID	Cole Information Services
	A2E L SEIPPEL	Cole Information Services
	4C KAREN SKURKA	Cole Information Services
	5E GREGORY W TAYLOR	Cole Information Services
	6D MICHAEL L TRACY	Cole Information Services
	JEREMY TREVIS	Cole Information Services
	J WIELAND	Cole Information Services
	3C ALAN WOLMARK	Cole Information Services
	J & M STUDIO PHOTO	Cole Information Services
	KAPLAN S SEW MACH	Cole Information Services
1983	Slater Lionel	New York Telephone
	AAA Klausner Moving & Truckg Co Inc	New York Telephone
	Lefton Ribbon Corp	New York Telephone

108 W 25TH ST

Year	Uses	Source
2013	RCR ANTIQUE & ARTS	Cole Information Services
2008	RCR ANTIQUE & ARTS	Cole Information Services
2006	Antoni Robert	Hill-Donnelly Information Services
	Dezer Properties Co I F o	Hill-Donnelly Information Services
	Freeman Sharron a	Hill-Donnelly Information Services
	RCR Antique &Arts	Hill-Donnelly Information Services
	H Rosenblattl	Hill-Donnelly Information Services
	H Williams R	Hill-Donnelly Information Services
2000	ANTQS RESTOR JIN	Cole Information Services
	CHRIS ELLS COLLECT	Cole Information Services
	DEZER PRPRTS CO	Cole Information Services
	JULIAN ANTIQUES	Cole Information Services
	MEYANS SUSANA	Cole Information Services
	NEW PGD SPCLTY INC	Cole Information Services
	NEW PGD SPCLTY INC	Cole Information Services
	RCR ANTIQUE & ARTS	Cole Information Services
1983	Cook Rod	New York Telephone
	Boutique Handbags Co	New York Telephone
	Da Vinci Press Inc	New York Telephone

FINDINGS

Year	Uses	Source
1983	Fray Offset Prntng Co	New York Telephone
	Kaplan S Sewing Machine Co Inc	New York Telephone
	MGM Litho Inc	New York Telephone
	Pilvax Prntng Corp	New York Telephone
	Randy	New York Telephone
	RELIABLE ATTACHMENT CO INC	New York Telephone
	True Dot Inc	New York Telephone
	Umans Marty	New York Telephone

109 W 25TH ST

Year	Uses	Source
2013	I & A ANTIQUES & COLLECTIBLES	Cole Information Services
	OFIS HOLDINGS	Cole Information Services
2008	CICOMAR TRADING INC	Cole Information Services
2006	Cicic Ivan I R	Hill-Donnelly Information Services
	I & A Antiques & Collectibles	Hill-Donnelly Information Services
1983	Intercontinental Leather Machinery	New York Telephone
	Globe Sewing Machine Corp	New York Telephone

110 W 25TH ST

Year	Uses	Source
2013	ILLUSTRATION HOUSE INCORPORATED	Cole Information Services
	MAVEN GALLERY	Cole Information Services
2008	CHELSEA ANTIQUES BUILDING	Cole Information Services
	VERDI ANTIQUES	Cole Information Services
2006	Multi Unit Address	Hill-Donnelly Information Services
	Number PH H Bewtra N v	Hill-Donnelly Information Services
	Delios Room	Hill-Donnelly Information Services
	h Hagan Stein Erik L	Hill-Donnelly Information Services
	Illustration House Inc 1 R	Hill-Donnelly Information Services
	Number 304 A Keya Gallery i oo	Hill-Donnelly Information Services
	Number 5 H Lazarus Jeffrey T A	Hill-Donnelly Information Services
	Maven Gallery 1 R	Hill-Donnelly Information Services
	Number 3 h Mertel Tim	Hill-Donnelly Information Services
	Number 9 H Messner 3 K	Hill-Donnelly Information Services
	Number 4 H Moriarty P	Hill-Donnelly Information Services
	Peters CJ 1 R	Hill-Donnelly Information Services
	Raissa o	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2006	Number 8 Rosenblatt Jon	Hill-Donnelly Information Services
2000	JEFFREY NACHAMIE	Cole Information Services
	AA ANTIQUE	Cole Information Services
	ANTIQUE STEPHANIE	Cole Information Services
	ANTIQUES GALLERY	Cole Information Services
	APPEL ART & ANTQS	Cole Information Services
	ASIATTIC INC	Cole Information Services
	BRANDON & CO ANTQS	Cole Information Services
	C J PETERS	Cole Information Services
	CARL COINS & STAMPS	Cole Information Services
	CHELSEA ANTQS BLDG	Cole Information Services
	THE CLOCK DOC	Cole Information Services
	COOKIE JARS ETC	Cole Information Services
	COUNTRY CSNS ANTQS	Cole Information Services
	DANNYS RECORDS	Cole Information Services
	DAVIS VINTAGE	Cole Information Services
	DAVIS VINTAGE PENS	Cole Information Services
	DRAGON ANTIQUES	Cole Information Services
	DUPREES	Cole Information Services
	FEVGIN ARKDY ANTQ	Cole Information Services
	FORTY FIFTY SIXTY	Cole Information Services
	GINNANE-GSBRR PLN	Cole Information Services
	GREDLER JOH J	Cole Information Services
	HAM FEE BANG HOUSE	Cole Information Services
	HARVEY LOLA BRBR	Cole Information Services
	ICON HOUSE	Cole Information Services
	J R STAMPS	Cole Information Services
	JENSEN SOREN	Cole Information Services
	JEROME WILSON	Cole Information Services
	JULIANS BOOKS	Cole Information Services
	KEYA GALLERY	Cole Information Services
	KHMELNITSKY GRGRY	Cole Information Services
	KIMCHEROVA	Cole Information Services
	KUSHNIRSKY OLEG	Cole Information Services
	M E COLLINS	Cole Information Services
	MAMERES ATTIC INC	Cole Information Services
	MANSA MUSSA	Cole Information Services
	MARIE MENAGERIE	Cole Information Services

FINDINGS

Year	Uses	Source
2000	MARKCO	Cole Information Services
	MAVEN GALLERY	Cole Information Services
	MERCE CRDR ANTQS	Cole Information Services
	MONTES MILITARIA	Cole Information Services
	NYCS ANTIQUES NEWS	Cole Information Services
	OK COLLECTIONS	Cole Information Services
	PARKER LRY GRG BP	Cole Information Services
	QUINCY	Cole Information Services
	RAISSA	Cole Information Services
	RETRO METRO	Cole Information Services
	ROCCO VINCENT	Cole Information Services
	ST IVES COLLECTION	Cole Information Services
	SAMS PL ANTIQUES	Cole Information Services
	STEPHANIES ANTQS	Cole Information Services
	STERN NATALIE	Cole Information Services
	THE PRCLN RM INC	Cole Information Services
	THIS N THAT ANT	Cole Information Services
	TISHS TRSRS ANTQS	Cole Information Services
	25TH ST CLLCTBLS	Cole Information Services
	ULTMT CLN OUT SERV	Cole Information Services
	UNEXPECTED JOY INC	Cole Information Services
	VERDI VNCNT ANTQS	Cole Information Services
	VLADIMIRS ANTIQUES	Cole Information Services
	WATCH IT ANDR BRGS	Cole Information Services
	WAVES	Cole Information Services
	Y & D MAYER ANTQS	Cole Information Services
1983	K & R Prudential Prntng	New York Telephone
	Multi Graphic Press Inc	New York Telephone
	Trade Prntng Corp	New York Telephone
	Young James b	New York Telephone

111 W 25TH ST

Year	Uses	Source
2013	NEW YORK GALLERIES ANTIQUES	Cole Information Services
2008	ZUCKERMAN SAM SEWING MACH	Cole Information Services
	NEW YORK GALLERIES ANTIQUES	Cole Information Services
2006	Sam Zuckerman Sewing Machine	Hill-Donnelly Information Services
	New York Galleries Antiques	Hill-Donnelly Information Services
1983	Zuckerman Muriel	New York Telephone

FINDINGS

Year	Uses	Source
1983	Luckerman Myron Sewing Machs & Eqp Corp	New York Telephone

113 W 25TH ST

Year	Uses	Source
2013	STAHL INDUSTRIES INCORPORATED	Cole Information Services
	DIXIE FOAM BEDS	Cole Information Services
	ALFONY LOCKS & GATES	Cole Information Services
2008	DIXIEFOAM BEDS	Cole Information Services
2006	Dixie Foam Beds 1 R	Hill-Donnelly Information Services
	Alex Locksmith 15 s	Hill-Donnelly Information Services
	Alfony Locks & Gates Is	Hill-Donnelly Information Services

114 W 25TH ST

Year	Uses	Source
2013	ALEX PLUMBING	Cole Information Services
	ALEX TOWING	Cole Information Services
2006	Alex Towing i s	Hill-Donnelly Information Services
	Alex Plumbing	Hill-Donnelly Information Services

115 W 25TH ST

Year	Uses	Source
2013	CONTINENTAL DIE INC	Cole Information Services
	EMERGENCY A TOWING	Cole Information Services
	FRANCE DISPLAY CORP	Cole Information Services
	ETL ADVERTISING	Cole Information Services
	WESTPFAL HENRY & CO INC CUTLERY	Cole Information Services
2008	WESTPFAL HENRY & CO INC	Cole Information Services
	CONTINENTAL DIE INC	Cole Information Services
	COLOR OF MAGIC LLC	Cole Information Services
	SIEGEL & STOCKMAN	Cole Information Services
	FRANCE DISPLAY CORP	Cole Information Services
2006	Lamp 25 is o	Hill-Donnelly Information Services
	Dreamactive Inc	Hill-Donnelly Information Services
	Continental Die Inc I o	Hill-Donnelly Information Services
	Alter Pavel	Hill-Donnelly Information Services
2000	TECHNAL INC	Cole Information Services
	RNSSNC DRS & WNDWS	Cole Information Services
	RENAISSANCE DR CO	Cole Information Services
	LENCO MACHINE CO	Cole Information Services

FINDINGS

Year	Uses	Source
2000	LA TOUR FINE ARTS	Cole Information Services
	CLINTON BLDG	Cole Information Services
	CONTINENTAL DIE	Cole Information Services
	CNTNNTL DIE INC	Cole Information Services
1983	Schultz B	New York Telephone
	Lenco Machine Co	New York Telephone
	Aid b	New York Telephone
	ABC Attachments Inc	New York Telephone

117 W 25TH ST

Year	Uses	Source
2013	NEW YORK VINTAGE	Cole Information Services
	SCHACHNER OSCAR & SON SEWG MACHS	Cole Information Services
2008	BLIP NETWORKS INC	Cole Information Services
	NEW YORK VINTAGE	Cole Information Services
	SCHACHNER OSCAR & SON	Cole Information Services
2006	New York Vintage 1 R	Hill-Donnelly Information Services
	Oscar Schachner & Son Expert	Hill-Donnelly Information Services
2000	6 M INC	Cole Information Services
	AMELCO MACH & MOTOR	Cole Information Services
1983	AA Attachment Co	New York Telephone
	Amelco Sewing Mach & Motor Corp	New York Telephone
	Karpen Simon elctrcn	New York Telephone
	Korman Harry power tables	New York Telephone
	Seymour Sewing Machine Corp	New York Telephone

118 W 25TH ST

Year	Uses	Source
2006	Emergency 24 HR Tow is	Hill-Donnelly Information Services
2000	WANGS INTRNTL	Cole Information Services

119 W 25TH ST

Year	Uses	Source
2013	W TWENTY FIVE LLC	Cole Information Services
	BEST TRAILS & TRAVEL CORP	Cole Information Services
	DN PRINTING	Cole Information Services
	A APPLE LOCKSMITH	Cole Information Services
	CONSOLIDATED SEWING MACHINES	Cole Information Services
	FURNITURE PHEONIX CUSTOM	Cole Information Services

FINDINGS

Year	Uses	Source
2013	BF DIGITAL LLC	Cole Information Services
	GENE MIGNOLA INC	Cole Information Services
2008	DA VINCI PRESS INC	Cole Information Services
	ANNE CHU STUDIO	Cole Information Services
	BERTHOLD UPHOLSTERY	Cole Information Services
	PATRICK MEAGHER	Cole Information Services
	O 2 AGENCY	Cole Information Services
	AMERICAN MENU	Cole Information Services
	CHARLTON & CHARLTON PRINTERS	Cole Information Services
	VEJE LEATHER INC	Cole Information Services
	NEW YORK FENCERS CLUB INC	Cole Information Services
	FIVE STAR AMERICA	Cole Information Services
	BEST TRAILS & TRAVEL INC	Cole Information Services
	PHOENIX CUSTOM FURNITURE LTD	Cole Information Services
	PENTIMENTO PRINT INC	Cole Information Services
	NOLA OFFSET INC	Cole Information Services
	THOM LANG	Cole Information Services
	MARK NIEDERMAN PHOTOGRAPHY	Cole Information Services
	UNLIMITED PARTS & SUPPLIES	Cole Information Services
	NORMAN LEFKOFF PRINTING	Cole Information Services
	PRINT RITE PRESS INC	Cole Information Services
	A KFIR EQUIPMENT FENCING INC	Cole Information Services
	SHARK OFFSET SERVICE	Cole Information Services
	GENE MIGNOLA INC	Cole Information Services
	BNH BUSINESS PRODUCTS INC	Cole Information Services
	SHELLEY PROMOTIONS INC	Cole Information Services
2006	Multi Unit Address	Hill-Donnelly Information Services
	Number 7 American Menu Printing Co	Hill-Donnelly Information Services
	Anata Showroom	Hill-Donnelly Information Services
	Andina Studio Inc i	Hill-Donnelly Information Services
	Number 4 Berthold Upholstery 1 s	Hill-Donnelly Information Services
	Best Trails & Travel Inc i oo	Hill-Donnelly Information Services
	Number 1103 Crews N Video Inc I s	Hill-Donnelly Information Services
	Number 7 Da Vinci Press Inc 1 oi	Hill-Donnelly Information Services
	Feitsew	Hill-Donnelly Information Services
	Number 5 Fencers Club Inc is	Hill-Donnelly Information Services
	Number 6 Five Star America o	Hill-Donnelly Information Services
	Number 1102 Gene Mignola Inc	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2006	Number 1100 h Hedstrom C	Hill-Donnelly Information Services
	I G Textile Inc o	Hill-Donnelly Information Services
	Lang Thom i s	Hill-Donnelly Information Services
	h Levine James oo	Hill-Donnelly Information Services
	Mark Niederman Photography	Hill-Donnelly Information Services
	Meagher Patrick v	Hill-Donnelly Information Services
	Number 10 AMin Products	Hill-Donnelly Information Services
	Nepenthes America Inc 1 R a	Hill-Donnelly Information Services
	Newmark & Co Real Estate Inc	Hill-Donnelly Information Services
	Nola Offset	Hill-Donnelly Information Services
	Norman Lefkoff Printing	Hill-Donnelly Information Services
	Number 8 Phoenix Custom Furniture LTD	Hill-Donnelly Information Services
	Reilly Maggie	Hill-Donnelly Information Services
	Remco Press	Hill-Donnelly Information Services
	Schwartz Sherry L is oo	Hill-Donnelly Information Services
	Shark Digital o	Hill-Donnelly Information Services
	Shark Offset Svc Inc lo	Hill-Donnelly Information Services
	Shelly Promotions Inc	Hill-Donnelly Information Services
	Number 1 Unlimited Parts & Supplies Inc	Hill-Donnelly Information Services
	Number 10 Veje Leather Inc	Hill-Donnelly Information Services
2000	MAGGIE REILLY	Cole Information Services
	AMRCN MN PRINTG	Cole Information Services
	ANATA SHOWROOM	Cole Information Services
	BERTHOLD UPHLSTRY	Cole Information Services
	BEST TRAILS & TRVL	Cole Information Services
	BOB DEE ACCSSRS	Cole Information Services
	BOB DEE ACCSSRS	Cole Information Services
	CAIBA DESIGN	Cole Information Services
	CALIN JEWELRY	Cole Information Services
	CHRLTN & CHRLTN INC	Cole Information Services
	CHRIS BARLETT STD	Cole Information Services
	CNSLDTD SEW MCHNS	Cole Information Services
	RENE AUSSOLIEL	Cole Information Services
	C HEDSTROM	Cole Information Services
	DOUGLAS KILPATRICK	Cole Information Services
	JAMES LEVINE	Cole Information Services
	DARBY PRNTNG CO	Cole Information Services
	THE DISPLAYERS	Cole Information Services

FINDINGS

Year	Uses	Source
2000	FEITSEW	Cole Information Services
	FENCERS CLUB INC	Cole Information Services
	FIVE STAR AMERICA	Cole Information Services
	GNY LTD	Cole Information Services
	GRIMES TOM	Cole Information Services
	HMLSHR PRS PRNTRS	Cole Information Services
	KAPERIA ACCSSRS	Cole Information Services
	LEFKOFF NORMAN	Cole Information Services
	LYNX LITHO	Cole Information Services
	NEWMARK & CO BLDNGS	Cole Information Services
	NDRMN MARK PHOTO	Cole Information Services
	REMCO PRESS INC	Cole Information Services
	SHARK OFFSET SVCE	Cole Information Services
	SHOWROOM 126	Cole Information Services
	TAR PRODUCTION	Cole Information Services
	UNLMTD PRTS & SPPLS	Cole Information Services
	VEJE LEATHER INC	Cole Information Services
1983	Bennisons Robes	New York Telephone
	Buckner Raymond phtogphr	New York Telephone
	Condeso Lawler Gallery	New York Telephone
	Feit Co Inc	New York Telephone
	Funfair Fashions Inc	New York Telephone
	IG TEXTILE MILLS INC	New York Telephone
	Manhattan Embossing Co Inc	New York Telephone
	Mattikow David die cutng	New York Telephone
	MCCLEAN CYRIL H studio	New York Telephone
	Milton Pleating Inc	New York Telephone
	New York Leather Embossig Co	New York Telephone
	OReilly Terence	New York Telephone
	Original Reproductions Inc	New York Telephone
	Reilly Maggie	New York Telephone
	State Binding & Textile Trimming Co Inc	New York Telephone
	Three S Bias Binding Co	New York Telephone

120 W 25TH ST

Year	Uses	Source
2013	RENAISSANCE DOOR COMPANY	Cole Information Services
	FURNITURE ARHAUS	Cole Information Services

FINDINGS

Year	Uses	Source
2013	ANTIQUES ON THE MALL CORPORATION	Cole Information Services
2008	JWS REPRESENTS	Cole Information Services
	BNGO BOOKS	Cole Information Services
	RENAISSANCE DOOR CO	Cole Information Services
	JOSEPH GUTMAN ASSOCIATES INC	Cole Information Services
2006	Multi Unit Address	Hill-Donnelly Information Services
	Number 3 W Blakeman Ken oo	Hill-Donnelly Information Services
	Number 2 W u Johansen L	Hill-Donnelly Information Services
	Number 2 W h Johnson Eric	Hill-Donnelly Information Services
	Joseph Gutman Assoc 1 R	Hill-Donnelly Information Services
	Joseph Gutman Assoc 1 R	Hill-Donnelly Information Services
	Number 5 W h Morrow TImonthy	Hill-Donnelly Information Services
	Number 3 E h Patillo Rhonda	Hill-Donnelly Information Services
	Renaissance Door Co R	Hill-Donnelly Information Services
	Number 3 W h Silva Ramon	Hill-Donnelly Information Services
	Vogel J	Hill-Donnelly Information Services
	Number 2 E h Warren Jennifer	Hill-Donnelly Information Services
1983	ONeill Brien	New York Telephone
	Sahag John	New York Telephone
	Schuman James R	New York Telephone
	Victor Jerry	New York Telephone
	Villemarette Suzanne	New York Telephone
	Buchanan John R	New York Telephone
	Davison George P	New York Telephone
	Friedland B	New York Telephone
	Garber Alan	New York Telephone
	Gutman Joseph Assocs	New York Telephone
	Lindsey G	New York Telephone

122 W 25TH ST

Year	Uses	Source
2008	DECO ETC	Cole Information Services
2006	Deco Etc SR	Hill-Donnelly Information Services
	Triumph Inc	Hill-Donnelly Information Services
2000	WARLOCK NCDD MUSC	Cole Information Services
	SIMON STPHN MGMT	Cole Information Services
	OLD PAPER ARCHIVE	Cole Information Services
1983	MUSNIK JOEPH & SON SEWING MACHINE CO	New York Telephone

FINDINGS

123 W 25TH ST

Year	Uses	Source
1983	Automotion Devices	New York Telephone
	Trim Vac	New York Telephone
	Geduldig Irving b	New York Telephone
	Geduldig Irving b	New York Telephone

124 W 25TH ST

Year	Uses	Source
2013	THIS N THAT COLLECTIBLES	Cole Information Services
	JOHNYS	Cole Information Services
	AMERLITE	Cole Information Services
2008	THIS N THAT COLLECTIBLES	Cole Information Services
	JOHNYS	Cole Information Services
	THIS N THAT ANITA STERN	Cole Information Services
2006	Cashdan Hudson	Hill-Donnelly Information Services
	h Hunter John H	Hill-Donnelly Information Services
	This N That i R	Hill-Donnelly Information Services
	Taylor Thomas	Hill-Donnelly Information Services
	h Karplus M Y	Hill-Donnelly Information Services
	Johnys	Hill-Donnelly Information Services
	h Jacob Jeff	Hill-Donnelly Information Services
2000	SALVAGE CITY	Cole Information Services
	ANNE EASTMAN	Cole Information Services
	2R BARBARA FEDERSPIEL	Cole Information Services
	VINCENT HARTONG	Cole Information Services
	5F JOHN H HUNTER	Cole Information Services
	4R JEFF JACOB	Cole Information Services
	RANDY PEARLSTEIN	Cole Information Services
	GABRIEL A ROTH	Cole Information Services
	4W THOMAS TAYLOR	Cole Information Services
	3R KHALED WASSEL	Cole Information Services
	CATRINA WOLFE	Cole Information Services
	JOHNYS	Cole Information Services
	MONOGRAPHS LTD	Cole Information Services
1983	Wald Factors	New York Telephone
	Stewart Daniels G	New York Telephone
	Samas Richard N	New York Telephone
	Kronick David M	New York Telephone
	Gray Fisher M	New York Telephone

FINDINGS

Year	Uses	Source
1983	Fisher Richard A	New York Telephone
	Febus Lunchnet	New York Telephone
	Davis L C	New York Telephone
	Armstrong David	New York Telephone
	Tice H & R	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
112 West 25th Street	1996, 1931, 1923, 1920

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
100 W 25TH ST	2013, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
101 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
102 W 25TH ST	2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
103 W 25TH ST	2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
104 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1950, 1947, 1934, 1931, 1923, 1920
104 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
104 W 25TH ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
105 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1934, 1931, 1923, 1920
105 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
105 W 25TH H BKN	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1920
105 W 25TH H DO	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923
106 W 25 ST	2013, 2008, 2006, 2000, 1996, 1942, 1934, 1931, 1923, 1920
106 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
106 W 25TH ST	2013, 2008, 2006, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
107 W 25 ST	2013, 2008, 2006, 2000, 1996, 1934, 1931, 1923, 1920
107 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
107 W 25TH ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

FINDINGS

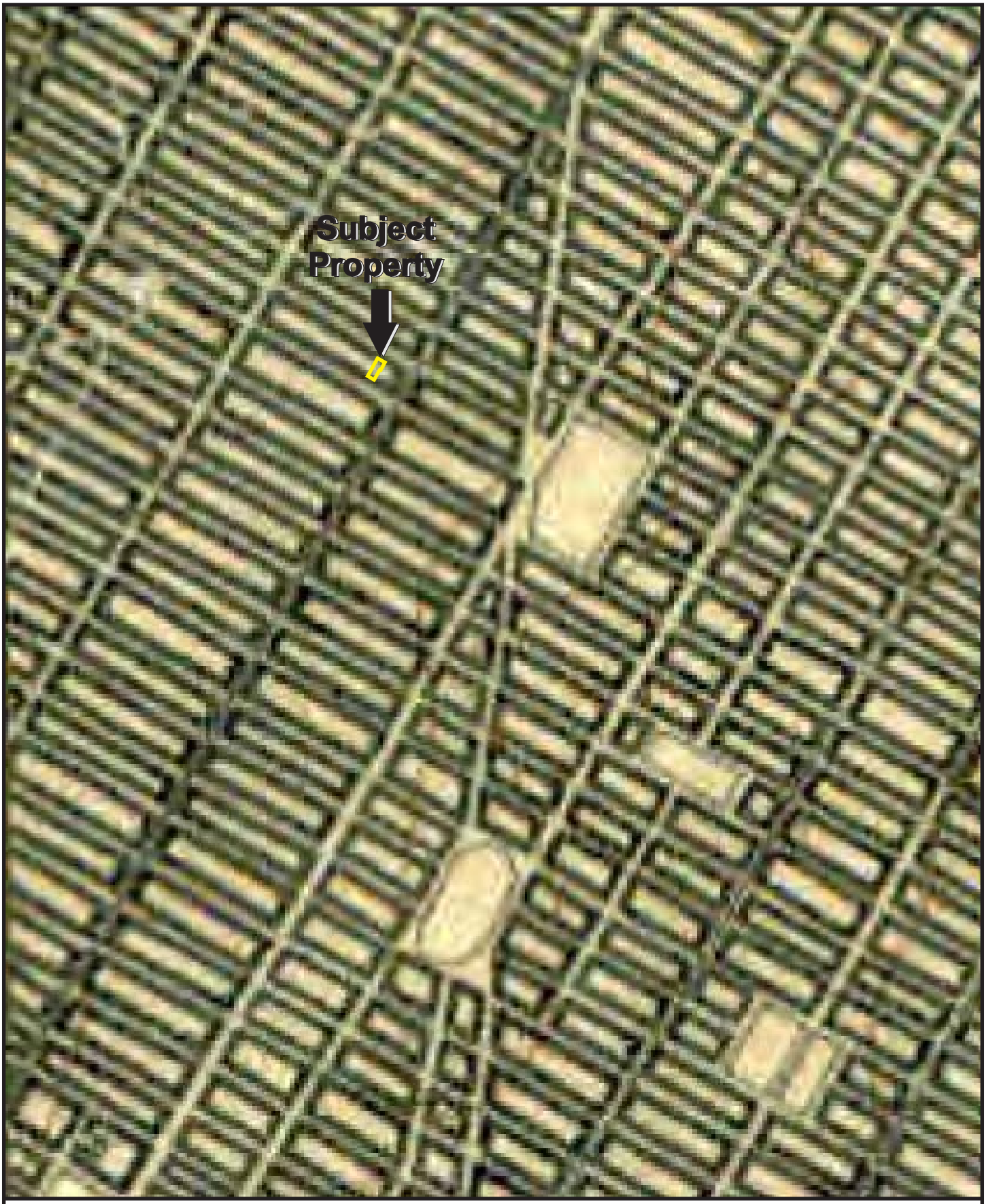
Address Researched	Address Not Identified in Research Source
107 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
108 W 25 ST	2013, 2008, 2006, 2000, 1996, 1934, 1931, 1923, 1920
108 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
108 W 25TH ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
108 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
108-10 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
109 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1938, 1934, 1931, 1923, 1920
109 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
109 W 25TH ST	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
109 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
110 W 25 ST	2013, 2008, 2006, 2000, 1996, 1993, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
110 W 25 ST W	2013, 2008, 2006, 2000, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
110 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1927
110 W 25TH ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
110 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
111 W 25 ST	2013, 2008, 2006, 2000, 1996, 1938, 1934, 1931, 1923, 1920
111 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1923, 1920
111 W 25TH H BKN	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1920
111 W 25TH ST	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
111 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
113 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1934, 1931, 1927, 1923, 1920
113 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1920
113 W 25TH ST	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
113 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
114 W 25TH ST	2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
114 W 25TH ST	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
115 W 25 ST	2013, 2008, 2006, 2000, 1996, 1934, 1931, 1923, 1920
115 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1923
115 W 25TH ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
115 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
116 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
116 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1920
117 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1927, 1923, 1920
117 W 25 ST	2013, 2008, 2006, 2000, 1996, 1993, 1934, 1931, 1923, 1920
117 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
117 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
117 W 25TH ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
118 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
118 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1927, 1923, 1920
118 W 25TH ST	2013, 2008, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
119 W 25	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1920
119 W 25 ST	2013, 2008, 2006, 2000, 1996, 1934, 1931, 1923, 1920
119 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
119 W 25TH FL	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1927, 1923, 1920
119 W 25TH ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
119 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
120 W 25 ST	2013, 2008, 2006, 2000, 1996, 1978, 1934, 1931, 1923, 1920
120 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
120 W 25TH H PELHAM NY	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923
120 W 25TH ST	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
120 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
121 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1938, 1934, 1931, 1923, 1920
121 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
122 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1947, 1942, 1938, 1934, 1931, 1923, 1920
122 W 25 MANHATTAN TOLL FREE-DIAL 1 & THEN	2013, 2008, 2006, 2000, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
122 W 25 ST	2013, 2008, 2006, 2000, 1996, 1978, 1973, 1968, 1934, 1931, 1923, 1920
122 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
122 W 25TH ST	2013, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
122 W 25TH ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
123 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1938, 1934, 1931, 1927, 1923, 1920
123 W 25TH ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
124 W 25 ST	2013, 2008, 2006, 2000, 1996, 1968, 1934, 1923, 1920
124 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938
124 W 25TH ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
124 W 25TH ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
125 W 25 ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1983, 1934, 1931, 1927, 1923, 1920
125 W 25TH	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1927
125 W 25TH H BKN	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1920

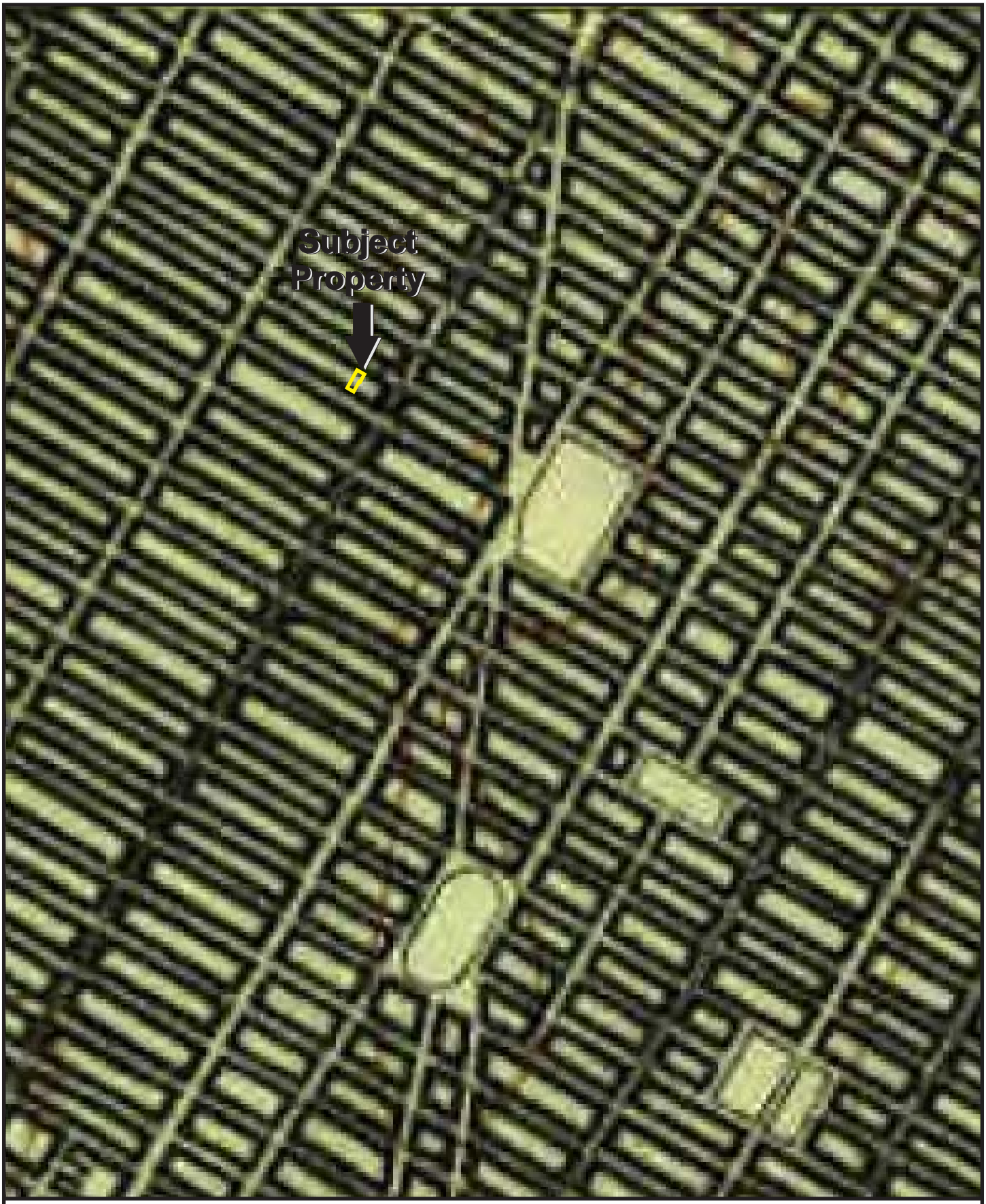


USGS 7.5 Minute *Brooklyn, NY* Quadrangle Created: 1900 Revised: 1924

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER



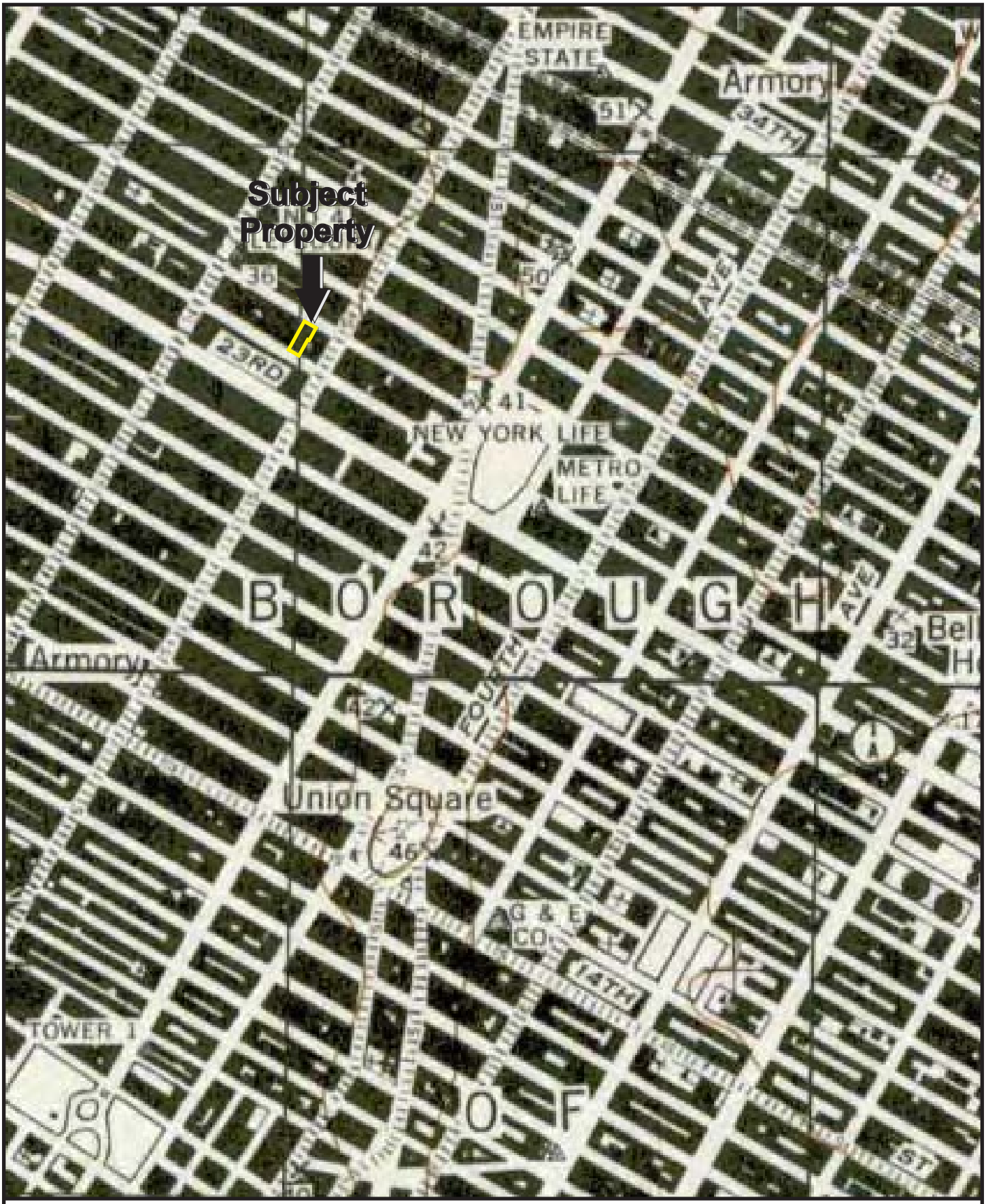
USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1924 Revised: XXXX

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER



USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1947

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER

USGS 7.5 Minute *Brooklyn, NY* Quadrangle | Created: 1956

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER

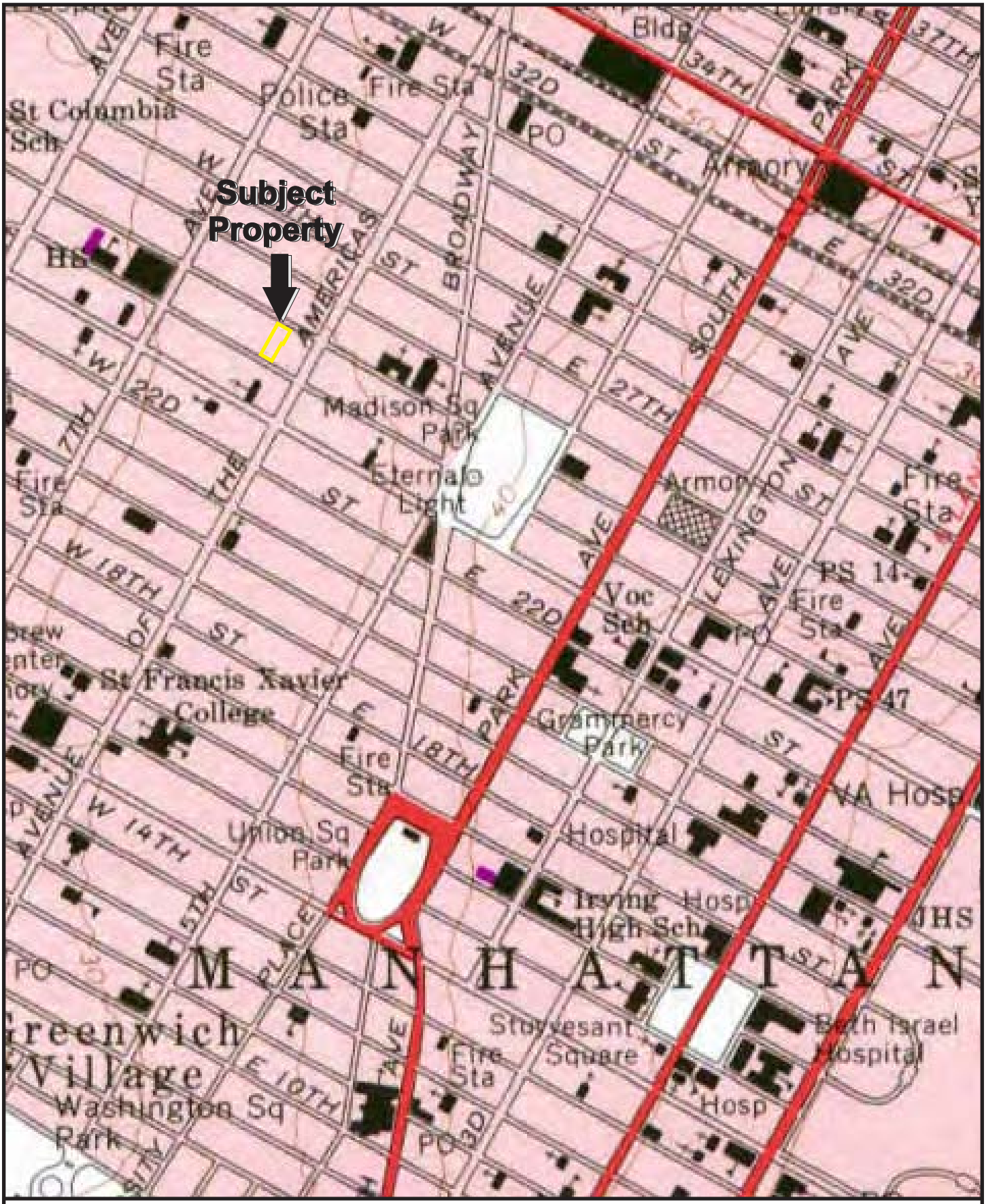
USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1967 Revised: 1979

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER



USGS 7.5 Minute *Brooklyn, NY* Quadrangle

Created: 1979

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER

USGS 7.5 Minute *Brooklyn, NY* Quadrangle — Created: 1995

APPENDIX B: HISTORIC TOPOGRAPHIC MAPS

Project No. 14-129276.1

PARTNER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

APPLICATION FOR ACCESS TO RECORDS

(See Instructions on Reverse Side)

APPLICANT

- **TO THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION:**

I hereby apply to inspect the following records under the provisions of the Freedom of Information Law:

Address of Facility or Site (if applicable)

_____

_____

_____

_____

Spill No. (if applicable)_____ Facility ID No. (if applicable) _____

PBS No. (if applicable)_____

Other:_____

_____

_____

After inspection, should I desire copies of all or part of the records inspected, I will identify the records to be copied and hereby offer to promptly pay the established fees. (Cost of reproduction or 25¢ per page as applicable). Contact me if cost will exceed $_____.

Name (Print or type) _____ Telephone No. _____Fax No._____

Company (if applicable) _____ E-Mail Address_____

Mailing Address _____

_____

Signature _____ Date_____

RECORDS CUSTODIAN

TO APPLICANT:

RECORDS PROVIDED

____ The reproduction costs for the records provided $_____

____ Records have been (partially, fully) provided

(If not provided, date when records are expected to be fully provided:_____)

RECORDS NOT AVAILABLE

____ Records cannot be located after a diligent search ____ The Department is not the custodian for records indicated

RECORDS DENIED

I hereby advise that access to the records, or part of the records, has been denied for the reason(s) checked below:

____ Specifically exempt by another statute

____ Would impair present or imminent contract awards or collective bargaining negotiations

____ Compiled for law enforcement purposes

____ Inter-agency or intra-agency materials that are not:

statistical or factual tabulations or data

instructions to staff that affect the public

final agency policy or determinations; or

external audits, including but not limited to audits performed by the comptroller and the Federal government

____ Other exemptions (as applicable)

____ Unwarranted invasion of privacy

____ Trade secrets

____ Could endanger life or safety of any other person

Records Custodian signature_____ Date:_____

INSTRUCTIONS

TO APPLICANT: (The completion of this form is voluntary; however, it will facilitate access to records you seek.)

1. Please identify the specific records you wish to inspect under the "applicant" portion of this form, sign and date in the appropriate place, and give or mail to the Records Access Officer, NYS Department of Environmental Conservation, 625 Broadway, Albany, New York 12233-1500**.** In the alternative, you may send your request electronically to foil@gw.dec.state.ny.us

2. If after inspection you should desire copies, identify to the Records Custodian the specific records to be copied. Make check or money order payable to the "New York State Department of Environmental Conservation" for copies reproduced by the Department.

3. If you are denied access to records or portions of records, you may submit a written appeal to the FOIL Appeals Officer, Department of Environmental Conservation, 625 Broadway, Albany, New York 12233-1500. Such appeal has to be made within 30 days after the denial. Please attach a copy of this form showing the "Records Denied" portion when filing your appeal. The FOIL Appeals Officer will evaluate the appeal and respond in writing to you within ten (10) business days after receipt of the appeal.

TO DEC RECORDS CUSTODIAN:

1. Conduct search for records:
   - 1a. If records requested for inspection are not in the custody of the Department, advise the applicant if possible as to the identity and location of the proper custodial agency.
   - 1b. If records are found, determine accessibility (in accordance with Public Officers Law Section 87.2)

2. After determination of accessibility:
   - 2a. If accessible–make available to applicant for inspection.
   - 2b. If not accessible–complete "Records Denied" portion of this form, make and retain one copy of completed form, and give original to applicant fully explaining reason for denial.

3. If applicant desires copies–collect total cost from applicant, and make copies (or arrange with applicant to have copies made with outside vendor and applicant pays vendor). Originals must be returned to Department Records Custodian(s).

4. If you are not able to respond to a request within five (5) business days, acknowledge receipt of the request in writing by the fifth business day and estimate when your final response will be made. If a request can not be fulfilled within (20) business days from the date of the acknowledgment letter, you must advise the requester of a date certain for completion of the request.

SPECIAL NOTE

See **www.dec.ny.gov/public/373.html** for answers to the most commonly asked questions about DEC and the New York State Freedom of Information Law.

NEW YORK CITY DEPARTMENT OF HEALTH AND MENTAL HYGIENE

For office use only
CONTROL NUMBER:

FREEDOM OF INFORMATION LAW REQUEST FORM

To: Records Access Officer
NYC Department of Health and Mental Hygiene
42-09 28th Street, 14th Floor, CN 31
Long Island City, NY 11101
Phone: (347) 396-6078/6116
Fax: (347) 396-6088
recordsaccess@health.nyc.gov

Date ____ / ____ / ____

Dear Record Access Officer:

I, _____ request copies of any inspection reports and/or records located in the Bureau of_____, of the New York City Department of Health and Mental Hygiene.

The records pertain to:

- ☐ Lead Poisoning
- ☐ Animal bite
- ☐ Employment/Human Resources
- ☐ Contracts/RFPs
- ☐ Pest Control
- ☐ Correctional Health
- ☐ Early Intervention
- ☐ Food Safety
- ☐ Mental Health
- ☐ Communicable Diseases
- ☐ School Health
- ☐ Day Care
- ☐ Other: _____

Please specify/describe the records you are requesting from the above program(s):

_____

_____

_____

_____

_____

There is a charge of 25¢ per page or actual costs of reproduction, payable in advance.

Requester's Name: _____ _____
(Please print) (Signature)

Requester's Organization: _____

Requester's Address: _____
Street City State Zip code

Telephone Number: (_____) _____ - _____ E-mail: _____

For more information, please visit: FOIL Requests page.

FIRE DEPARTMENT – CITY OF NEW YORK

Public Records Unit / Tanks Section

9 MetroTech Center
Brooklyn, New York 11201-3857
(718) 999-2441 or 2442

Fuel Tank Special Report Request Form

SECTION A CUSTOMER INFORMATION

Please print the required information below.

OFFICE USE ONLY

_____
Cashier / Search No.

PRU Staff
Accepted By/Initials:_____

Searched By:_____

Total Amount:_____

_____
Name

_____
Address

_____
State Zip Code

_____
Telephone Number

Note: Please make sure you complete this form and attach all required documents. Enclose a check or money order made payable to the NYC Fire Department and a stamped self-addressed envelope (with postage). Mail checks or money orders directly to the address and unit listed above. DO NOT MAIL CASH.

SECTION B FUEL TANK REPORT - FEE $10.00 / PER REPORT

_____ _____
House Number Street Name Borough

- ☐ **THE TOTAL AMOUNT AND SIZE OF EXISTING FUEL OIL / HEATING TANKS**
- ☐ **THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED FUEL OIL / HEATING TANKS**
- ☐ **THE TOTAL AMOUNT AND SIZE OF EXISTING BURIED MOTOR VEHICLE TANKS**
- ☐ **THE TOTAL AMOUNT AND SIZE OF REMOVED OR SEALED BURIED MOTOR VEHICLE TANKS**
- ☐ **MOST RECENT TANK / PIPING TEST RESULTS**
- ☐ **HISTORY OF BURIED TANKS LEAKS**

Note: Requests will be responded to within 10 business days.

1225 Atlantic Avenue
Brooklyn, NY 11216
Tel: 718-857-3100
Fax: 718-857-2100

Environmental Subsurface Assessment Report

Prepared for:

112 West 25th Street,
New York, NY 10001

Prepared by:

Don Carlo Environmental Services, Inc.
1225 Atlantic Avenue
Brooklyn, NY 11216

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Gen Carlo Environmental Services Inc.
1225 Atlantic Avenue
Brooklyn, NY 11216
Tel: 718-857-3100
Fax: 718-857-2100

Wednesday, August 16, 2006

Executive Summary

On August 7, 2006 DCES conducted an Environmental Subsurface Assessment (ESA) at **112 West 25th Street, New York, NY 10001.** All work was done at the request of Mr. Glen Edelman D.b.a. Edelman Family Limited Partnership.

DCES conducts their Environmental Subsurface Assessments (ESA) in accordance with recommendations of the ASTM Practice E1903 and NYSDEC SPCTS Memo 14.

Investigative activities were conducted for assessing the subsurface quality of the soils surrounding the eight (8) 550-gallon gasoline Underground Storage Tanks (USTs) at the subject property. The eight (8) 550-gallon USTs were previously abandoned in place with sand by others. The scope of work was based on visual inspections of the subject property.

In performing our subsurface investigation, limited accessibility was available due to a ramp east of the USTs on the subject property. Our technicians were able to install five (5) bores (B1 through B5) on five (5) separate locations within the south and west perimeters of the tank area on the subject property. Soil sampling was conducted from grade and continuously every four feet (4') to a termination depth of twelve feet (12'). The soil samples collected every four feet (4') were field screened using a Photoionization Detector (PID) model PGM-30. No elevated PID readings were noted. With no PID readings, the deepest soil samples were kept from each bore, accounted for and transmitted to a state certified laboratory for analysis. Five (5) soil samples (B1-S1 and B5-S1) were analyzed under EPA Methods STARS 8021 for Volatile Organic Compounds. All bores were sealed at completion to prevent potential surface contamination.

Findings:

Laboratory analysis of the soil samples did not identify any levels of soil contamination. The laboratory results were compared with NYSDEC TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs).

Recommendations:

Review of the laboratory results and site assessments conducted during the Phase II investigation did not identify any soil contamination for the subject property.
Based on this information, DCES recommends no further assessments needed for the tank area at the subject property.

Romeo Santos, CEPCI NCRS
FDNY Lic.# 6369739
Don Carlo Environmental Services

Don Carlo Environmental Services Inc.
1225 Atlantic Avenue
Brooklyn, NY 11216
Tel: 718-857-3100
Fax: 718-857-2100

Mr. Glen Edelman
Edelman Family Limited Partnership
3000 Marcus Avenue, 2E-7
Lake Success, NY 11042

Re: Environmental Subsurface Assessment
Location: 112 West 25th Street
New York, NY 10001

Dear Mr. Edelman:

Don Carlo Environmental Services, Inc. (DCES) has prepared the following report to document the results of the Environmental Subsurface Assessment (ESA) performed at the above referenced site on August 7, 2006.

Background

The subject property is currently utilized as a parking lot using the address 112 West 25th Street, New York, NY. A site plan is shown on Figure 1.

Site Description

The subject property consists of a parking lot with three (3) levels and offices.

Soil Sampling

[illegible] Scandalios five (5) bores (B1-B5) throughout within an accessible location of the subject property. At each boring, [illegible] soil samples were collected continuously using a truck mounted Geoprobe® system. The Geoprobe® uses direct push technology to drive core samplers to the desired depth for soil sample collection. This method can be performed quickly, so if refusal occurs, a new location can be accessed with minimal effort. Soil samples were collected continuously from grade. Continuous soil samples were collected every four feet (4') to a termination depth of twelve feet (12'). Onsite field screening was conducted on the soil samples for staining or smell for gasoline odor and by using a Photoionization Detector (PID) model PGM 30. Selectively, soil samples were taken, place in laboratory approved glass jars, labeled (B1-S1 and B5-S1) and submitted to York Analytical Laboratories for analysis. Non-disposable sampling equipment was cleaned using a distilled water and Alconox detergent wash followed by a distilled water rinse prior to the collection of each sample. Bores were subsequently sealed with a cementitious mixture to block potential surface contaminants.

Soil Analysis

The deepest sample from each boring was submitted with proper chain of custody to York Analytical Laboratories in Stratford, CT for analysis.

Soil samples were analyzed for petroleum constituents under EPA Method SW846 8021 for Volatile Organic Compounds (VOCs).

Analytical Results

Laboratory analysis of the soil samples did not identify any levels of soil contamination in the five (5) soil samples analyzed.
Analytical results were compared with TAGM-4046 Recommended Soil Cleanup Objectives (RSCOs).

Soil analytical results are summarized on Table 2 and the laboratory reports are included in Appendix A of this report.

Conclusion/Recommendation

Based on the data reviewed, DCES recommends no further assessment is needed for the bank area of the subject property.

FIGURES

SITE PLAN NOT DRAWN TO SCALE

112 WEST 25TH STREET
NEW YORK, NY

TABLES

112 WEST 25TH STREET
NEW YORK, NY 10001

TABLE 1

SOIL ANALYTICAL RESULTS FOR VOLATILE ORGANIC COMPOUNDS (VOCs)

Contaminants	NYS DEC TAGM (4046)	B1 S1 (8'-12')	B2 S1 (8'-12')	B3 S1 (8'-12')	B4 S1 (8'-12')	B5 S1 (8'-12')
1,2,4-Trimethylbenzene	NS	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NS	ND	ND	ND	ND	ND
Benzene	60	ND	ND	ND	ND	ND
Ethylbenzene	5,500	ND	ND	ND	ND	ND
Isopropylbenzene	NS	ND	ND	ND	ND	ND
Methyl-tert-butyl ether	NS	ND	ND	ND	ND	ND
Naphthalene	NS	ND	ND	ND	ND	ND
n-Butylbenzene	NS	ND	ND	ND	ND	ND
n-Propylbenzene	NS	ND	ND	ND	ND	ND
o-Xylene	1,200	ND	ND	ND	ND	ND
p- & m- Xylenes	1,200	ND	ND	ND	ND	ND
p-Isopropyltoulene	NS	ND	ND	ND	ND	ND
sec-Butylbenzene	NS	ND	ND	ND	ND	ND
tert Butylbenzene	NS	ND	ND	ND	ND	ND
Toulene	1,500	ND	ND	ND	ND	ND

NOTES:
NYSDEC: NYS DEC Recommended Soil Cleanup Objectives (RSCOs) - TAGM 4046
ND - Not Detected
NS - No Standard
Bold Text denotes exceedances
All units are µg/kg
MDL - Method Detection Limits
NA - Not Available

APPENDICES

YORK

ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

Don Carlo Environmental
1225 Atlantic Ave.
Brooklyn, NY 11216
Attention: Danny Singh

Report Date: 8/15/2006
Re: Client Project ID: 112 West 25th St., New York, NY
York Project No.: 06080282

120 Research Drive Stratford, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 8/15/2006
Client Project ID: 112 West 25th St., New York, NY
York Project No.: 06080282

Don Carlo Environmental
1225 Atlantic Ave.
Brooklyn, NY 11216
Attention: Danny Singh

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 08/08/06. The project was identified as your project "112 West 25th St., New York, NY".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			B1-S1 (8-12')		B2-S1 (8-12')	
York Sample ID			06080282-01		06080282-02	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg	---	---	---	---
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
Benzene			Not detected	2.00	Not detected	2.00
Ethylbenzene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl-tert-butyl ether			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
o-Xylene			Not detected	10.0	Not detected	10.0
p- & m- Xylenes			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0

YORK

Client Sample ID			B3-S1 (8-12')		B4-S1 (8-12')	
York Sample ID			06080282-03		06080282-04	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg				
1,2,4-Trimethylbenzene			Not detected	10.0	Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0	Not detected	10.0
Benzene			Not detected	2.00	Not detected	2.00
Ethylbenzene			Not detected	10.0	Not detected	10.0
Isopropylbenzene			Not detected	10.0	Not detected	10.0
Methyl-tert-butyl ether			Not detected	10.0	Not detected	10.0
Naphthalene			Not detected	10.0	Not detected	10.0
n-Butylbenzene			Not detected	10.0	Not detected	10.0
n-Propylbenzene			Not detected	10.0	Not detected	10.0
o-Xylene			Not detected	10.0	Not detected	10.0
p & m- Xylenes			Not detected	10.0	Not detected	10.0
p-Isopropyltoluene			Not detected	10.0	Not detected	10.0
sec-Butylbenzene			Not detected	10.0	Not detected	10.0
tert-Butylbenzene			Not detected	10.0	Not detected	10.0
Toluene			Not detected	10.0	Not detected	10.0

Client Sample ID			B5-S1 (8-12')	
York Sample ID			06080282-05	
Matrix			SOIL	
Parameter	Method	Units	Results	MDL
Volatiles- STARS List	SW846-8260	ug/Kg		
1,2,4-Trimethylbenzene			Not detected	10.0
1,3,5-Trimethylbenzene			Not detected	10.0
Benzene			Not detected	2.00
Ethylbenzene			Not detected	10.0
Isopropylbenzene			Not detected	10.0
Methyl-tert-butyl ether			Not detected	10.0
Naphthalene			Not detected	10.0
n-Butylbenzene			Not detected	10.0
n-Propylbenzene			Not detected	10.0
o-Xylene			Not detected	10.0
p & m- Xylenes			Not detected	10.0
p-Isopropyltoluene			Not detected	10.0
sec-Butylbenzene			Not detected	10.0
tert-Butylbenzene			Not detected	10.0
Toluene			Not detected	10.0

Units Key: For Water/Liquids: ng/L, ppq, ug/L, ppb For Soils/Solids: ng/kg, ppb (ug/kg), ppm (mg/kg)

YORK

Report Date: 8-15-2006
Client Project ID: 112 West 25th St., New York, NY
York Project No.: 06080282

Notes for York Project No. 06080282

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley
Managing Director

Date: 8-15-2006

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

Page ___ of ___

06080282

Company Name	Report To	Invoice To	Project ID/No.	Samples Collected By: Signature
DON CARLO ENV. 1225 ATLANTIC AVE BROOKLYN, NY	←	←	112 WEST 25TH ST. NEW YORK, NY	Name (Print): LUIS GOMEZ

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Descriptions
B_1-S1	(8'-12')	08-07-06		X			STARS 8021	
B_2-S1	(8'-12')	08-07-06		X			" "	
B_3-S1	(8'-12')	08-07-06		X			" "	
B_4-S1	(8'-12')	08-07-06		X			" "	
B_5-S1	(8'-12')	08-07-06		X			" "	

Chain-of-Custody Record

Relinquished by: Sampler	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
Sample Received for Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received for LAB by	Date/Time

Comments/Special instructions

Turn-Around Time

X Standard ___ RUSH: define ___

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

112-118 WEST 25TH STREET
AKA:113-117 WEST 24TH STREET
NEW YORK, NEW YORK 10001

PREPARED FOR

MEC PROJECT:

MEC

MERRITT ENGINEERING CONSULTANTS, P.C.
Environmental Engineering Asbestos Lead

28-08 Bayside Lane, Bayside, NY 11358
(718) 767-7997 Fax (718) 767-7796

ASTM :

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)

Site Address

112-118 West 25th Street
AKA: 113-117 West 24th Street
New York, New York 10001

Prepared for

Prepared By

Merritt Engineering Consultants, P.C.
28-08 Bayside Lane
Bayside, New York 11358
(718) 767-7997
(718) 767-7796 Fax

MEC Project No	Project I
Inspection Date	June 20, 2006
Summary Date	June 23, 2006
Final Report Date	July 14, 2006

EXECUTIVE SUMMARY

Merritt Engineering Consultants, P.C., was retained by a Phase I Environmental Site Assessment (ESA) at 112-118 West 25th Street, AKA 113-117 West 24th Street, New York, New York 10001.

The on site investigation was conducted on June 20, 2006

Based on our site reconnaissance, database review and historical investigation, the following Recognized Environmental Conditions (RECs) were noted at the time of our inspection.

A Recognized Environmental Condition means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under compliance with laws.

	ITEM	APPROXIMATE COST	PAGE
1A	There appears to be eight (8) abandoned underground storage tanks (USTs) holding gasoline located under the basement floor. In addition, Sanborn Maps for the years 1930-1996 also identified eight (8) gasoline tanks buried on site. It is recommended that the owner supply documentation indicating proper abandonment of the tanks.	Cost not determined	15
1B	Should no documentation be available, it is recommended that a Phase II investigation, including soil borings and a ground penetrating radar (GPR) scan be conducted to determine if any buried tanks or sub-surface contamination is present.	$10,000-$15,000	15
2A	Provide documentation for abandoned hydraulic lift on site.	Cost not determined	14
2B	Should no documentation be available, soil borings should be conducted around the area of the lift to determine if any sub surface contamination is present.	$1,500-$2,500	14

The following de minimis conditions were noted but are not considered Recognized Environmental Conditions (RECs).

A de minimis condition is one that generally does not present a material risk of harm to public health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies (excluding local asbestos & lead situations).

	ITEM	APPROXIMATE COST	PAGE
1	Further evaluation of abandoned boiler room located in the West 25th Street sidewalk vault. There as no access at the time of the inspection.	$250 Re-inspection Fee	14

No Historical Recognized Environmental Conditions (HRECs) were reported. In addition no evidence of HRECs were observed during our on-site inspection/ identified in our database search/historical review.

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2) INTRODUCTION

2.1 PURPOSE

The report was prepared by Merritt Engineering Consultants, P.C., whose purpose is to provide comprehensive Phase I Environmental Site Assessments (ESA) in accordance with American Society of Testing Materials (ASTM E 1527-00) standards for a Phase I Environmental Site Assessment. The survey personnel are trained in the field of Environmental Site inspections as Certified Environmental Specialist (CES) by the Environmental Assessment Association as well as asbestos investigators by the Federal Environmental Protection Agency and NY State

2.2 DETAILED SCOPE OF SERVICES

For the Phase I Environmental Site Assessment (ESA), Merritt Engineering Consultants (MEC) performed the following primary tasks:

1. *Physical site inspection by Merritt Engineering Consultants Certified Environmental Specialists (CES) who traversed the interior and exterior areas of the site by foot, in addition to conducting a review of adjacent areas and their exteriors.*
2. *Investigations of historical usage of site based upon:*
   a. *Interview of persons knowledgeable about the sites current and past usage.*
   b. *Review of Sanborn Fire Insurance Maps and/or a review of Local Building Department records and/or Aerial Photographs.*
3. *Review of USGS geologic and 7.5 Minute Topographical Maps.*
4. *Review of the federal and state environmental databases as per ASTM E1527-00 guidelines, as well as a review of pertinent information provided by local government records.*
5. *Limited survey of site for the presence of electrical transformers that may contain Poly-chlorinated biphenyl (PCBs)*
6. *Limited survey for the presence of friable asbestos containing material (ACM).*
7. *Limited survey of site for the presence of lead based paint surfaces within common areas.*
8. *Inspection of water supply, gas supply, garbage disposal practices, groundwater flow, storm and sanitary discharge methods.*
9. *Review of Radon averages.*
10. *Inspection for petroleum storage tanks, above and below grade, stored on site.*
11. *Review of report by a senior certified environmental specialist (CES).*

The following services are not included as part of this Phase I Assessment:

- Lead Based Paint Testing
- Soil Borings
- Testing of Water Main
- Wetlands Evaluation
- ACP-5 Asbestos Report
- High Voltage Power Lines
- Indoor Air Quality
- Radon Testing
- Non-friable Asbestos Testing
- Evaluation of Fluorescent light fixtures that may contain PCBs
- Endangered Species
- Ecological Resources
- Health & Safety
- Industrial Hygiene
- Cultural & Historical Risk
- Regulatory Compliance
- Testing for Mold Spores

2.3 SIGNIFICANT ASSUMPTIONS

Information and records provided by the client and outside vendors retained by Merritt Engineering Consultants are assumed to be correct and complete.

2.4 LIMITATIONS AND EXCEPTIONS

The contents of this report are correct to our knowledge and belief. This report and conclusions stated herein are, however, limited to actual knowledge based upon a visual inspection of the Property, the examination of readily available public records concerning the current and prior use of the Property, and interviews with individuals knowledgeable about present and past property uses.

Merritt Engineering Consultants, P.C., has performed this Phase I Environmental Site Assessment (ESA) of the Property in accordance with the detailed scope of work in section 2.2.

Merritt Engineering Consultants, P.C., cannot guarantee that the Property is completely free of hazardous substances or other materials or conditions that could subject the Client to potential liability. The presence or absence of any such condition can only be confirmed through the collection and analysis of soil and groundwater samples, as well as through testing building materials that may contain asbestos or lead paint. This is beyond the scope of the investigation.

Merritt Engineering Consultants, P.C., has no interest other than professional in this Assessment and neither its performance, nor compensation for same, is contingent upon the findings and recommendations that are represented herein.

2.5 SPECIAL TERMS AND CONDITIONS

There are no special terms or conditions to the content of the report that are in addition to the scope outlined in Section 2.2.

2.6 RELIANCE

This Phase I Assessment was performed at the client's request utilizing methods and procedures that are consistent with acceptable professional standards ASTM-E1527-00.

The report has been prepared for the sole use of MEC's client. No other party may use the report without the written authority of MEC.

3) SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The property address is 112-118 West 25th Street, AKA 113-117 West 24th Street The legal site address is Block 800, Lot 49. The site is located in the Flatiron section of Manhattan.

3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The current site is situated on a plot size 16,875 square feet.

The weather conditions during our on site inspection consisted of sunny skies. The temperature was approximately 89°.

3.3 CURRENT USE OF THE PROPERTY

The current use of the site consists of 3-story commercial parking garage.

The site usage appears to remain similar, since the building's construction (parking garage).

None of the current tenants or their on site operations appear to pose an adverse environmental impact to the property or neighboring sites.

3.4 DESCRIPTIONS OF STRUCTURES, ROADS AND OTHER IMPROVEMENTS

The current site consists of a 3-story commercial parking garage holding 290 cars The site is located on a plot size approximately 16,875 square feet. There is a basement which houses the utilities. The heating system for this site is electric baseboard heaters located in the office area.

3.5 CURRENT USES OF THE ADJOINING PROPERTIES

North	Residential and Commercial Buildings
South	Residential and Commercial Buildings
East	Residential and Commercial Buildings
West	Residential and Commercial Buildings

The adjacent properties do not appear to pose an adverse environmental impact to the site.

4) USER PROVIDED INFORMATION

4.1 TITLE RECORDS

No title records were provided.

4.2 ENVIRONMENTAL LIENS

No environmental liens were indicated.

4.3 SPECIALIZED KNOWLEDGE

No information regarding specialized knowledge was provided.

4.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

No information regarding the valuation reduction for environmental issues was provided by the owner.

4.5 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

The current owner of the site is Edelman Family Limited Partnership

The current property manager is Mr. Irwin Rickman.

The current occupant is a commercial parking garage.

4.6 REASON FOR PERFORMING PHASE I

Merritt Engineering was retained to perform a Phase I Environmental Site Assessment (ESA) as an agent for Soho Properties.

4.7 OTHER/ADDITIONAL INFORMATION PROVIDED

No additional information was provided.

5) RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

The federal government and New York State have compiled database lists of contaminated, potentially hazardous and regulated sites that may impact the subject property. Environmental Data Resources (EDR) has provided this information to Merritt Engineering Consultants.

5.2 DATABASE SEARCHES

The following Federal and State databases were reviewed by Merritt Engineering Consultants on June 23, 2006, with the corresponding distance.

Database	Radius Searched
FEDERAL	
1. Federal National Priority List	1 Mile
2. Federal CERCLIS list	½ Mile
3. Federal RCRA TSD facilities list	½ Mile
4. Federal RCRA generators list	Site & Adjacent Properties
5. Federal ERNS list	Site
STATE	
1. State lists of Haz. Waste Sites	1 Mile
2. State landfill/solid waste site lists	½ Mile
3. State leaking UST lists (LUSTs)	½ Mile
4. State registered tanks	Site & Adjacent Properties

FINDINGS

The closest 100 sites have been included in Appendix A.

Due to the density of the area, several of the site printouts have been omitted from the report.

National Priorities List (NPL) - list compiled by EPA pursuant to CERCLA 42 USC 9605(a)(8)(B) of properties with the highest priority for cleanup pursuant to EPA's Hazard Ranking System.

Findings: No sites located within a 1-mile radius. **(See State Hazardous Waste Sites Maps)**

Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) - the list of sites compiled by EPA that EPA has investigated or is currently investigating for potential hazardous substance contamination for possible inclusion on the National Priorities List

Findings: No sites located within a ½-mile radius.

Resource Conservation Recovery Act (RCRA) Treatment Storage Disposal (TSD) facilities - those facilities on which treatment storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA. Inclusion on the RCRA TSD list does not imply contamination has occurred at the site

Findings: No sites located within a ½-mile radius.

Resource Conservation Recovery Act (RCRA) generators list - list kept by EPA of those persons or entities that generate hazardous wastes as defined and regulated by RCRA. Inclusion on the RCRA list does not imply contamination has occurred at the site.

Findings: No generators listed at property.
107 generators listed within a ¼-mile radius.

Emergency Response Notification System (ERNS) list - list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR Parts 302 & 355.

Findings: Site not listed.

Department of Environmental Conservation (DEC) lists the contaminated sites throughout the State and classifies the degree of contamination. Number 1 being highly contaminated; number 5 being the least hazardous to the public.

code:

1. Causing or presenting an immunent danger of causing irreversible or irreparable damage to the public health or environment - immediate action required;

2. Significant threat to the public health or environment - action required;

2a. Temporary classification assigned to sites that have inadequate and/or insufficient data for inclusion in any of the other classifications.

3. Does not present a significant threat to the public health or the environment - action may be deferred;

4. Site is properly closed - requires continued management;

5. Site is properly closed, no evidence of present or potential adverse impact - no further action is required.

Findings: No sites located within a 1-mile radius. **(See State Hazardous Waste Maps)**

Solid Waste Disposal Site - any place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term landfill and is also known as a garbage dump, trash dump or by similar terms.

Findings: No sites located within a ½-mile radius.

Spill Logs/LUST list - New York Department of Environmental Conservation (NYDEC) has a computerized list of spills that have occurred as of 1986, including the present status of the sites. In addition, the leaking underground storage tank (LUST) database was also reviewed for reported incidents in the area.

Findings: 130 LUSTs located within a ½-mile radius.

55 NY Spills located within a 1/8-mile radius.

The closest sites are.

1) 133 West 25th Street Spill # 0101259 Spill date: 05/02/01 Close date: 06/19/01	2) 127-131 West 170th Street LUST # 9414568 Spill date: 02/04/95 Close date: 02/07/95

Since the spills have been closed by the New York State Department of Environmental Conservation (NYSDEC), they do not appear to adversely affect the subject site

State registered tanks - state lists of storage tanks required to be registered under Subtitle I. Section 9002 of RCRA.

Findings: No registered tanks located on site.
293 registered tank sites located within a 1/8-mile radius.

ECOLOGICAL SENSITIVE AREA

Based on information provided by Environmental Data Resources (EDR), no designated wetlands or flood plains are located in the immediate vicinity of the property.

5.3 DATABASE SITE MAPS

A map provided by Merritt Engineering Consultants indicating the property and surrounding 1-mile radius has been included in Appendix A. The map denotes any National Priority Listed Sites (NPL) and State Hazardous Waste Sites (SHWS) sites within the ASTM radius of 1 mile.

5.4 ORPHAN SITES

Our database review indicated several sites that cannot be positively plotted (orphan sites). A total of 48 sites were classified as orphans.

The subject site does not appear on the orphan list.

5.5 LOCAL AGENCY REVIEW

We have researched the New York City Health & Fire Department records for any information of hazardous operations including, past spills, leaks or violations. The information provided indicated several fire department violations which do not appear to impact the scope of this assessment.

5.6 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

No additional environmental records were researched.

None of the sites on the database or local agency review provided appear to impact the scope of this assessment.

5.7 PHYSICAL SETTING SOURCES

5.8 BODIES OF WATER

The nearest body of water to the subject site is the Hudson River, which is approximately ¼ mile west of the site.

5.9 GROUND WATER FLOW

Through information provided by EDR, hydrological data involving ground water flow has been obtained. Based on our findings, the hydrological groundwater flows in a westerly direction eventually emptying into the Hudson River.

Groundwater in this area is at a depth of approximately 37 feet.

Drinking water for the five boroughs has been supplied by the New York reservoir system for many years (See Map in Appendix A). Groundwater is not a primary source of drinking water for Manhattan. The property is not within a public potable well field protection area and is, therefore, not subject to land use restrictions for such areas.

5.10 SITE GEOLOGY AND TOPOGRAPHY

Information pertaining to the hydrogeologic setting in the vicinity of the subject property was obtained from a review of selected published documents and maps. United States Geological Survey (USGS) 7.5-minute Topographic Maps were used to characterize surface topography, water table elevation and drainage. Subsurface characteristics were obtained from USGS Surficial and Bedrock Geology Maps from the lower Hudson Sheet

5.11 HISTORICAL USE INFORMATION ON THE PROPERTY

A. Sanborn Fire Insurance maps of the site and immediate area were available for the years 1890, 1899, 1911, 1930, 1950, 1976, 1979, 1980, 1982, 1985, 1987, 1988, 1991, 1992, 1993, 1994, 1995 and 1996. The maps indicate the following information:

   1911 Candy and Chocolate Factory
   1930-1996 Garage

   Sanborn Maps for the years 1930-1996 show that there are eight (8) 550 gallon gasoline tanks buried on site. Further evaluation is recommended.

B. Aerial Photographs of the site and immediate area were available for the years 1943, 1953, 1966, 1976, 1984 and 1995. The photos indicate the following information:

   This section of Manhattan has been developed with residential and commercial buildings from 1943 through the latest aerial photo available (1995).

5.12 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

The Sanborn Fire Insurance Maps and Aerial Photos reviewed by Merritt Engineering Consultants cover the adjoining properties on the north, south, east & west. No recognized environmental conditions were noted. (gas tanks, filling station etc.)

6) SITE RECONNAISSANCE

6.1 METHODOLOGY AND LIMITING CONDITIONS

At the time of our inspection, the following areas were accessed by Mr. John Perotti, of our staff: basement areas, roof top, utilities areas, basement elevator motor room, all upper floors and all accessible exterior areas of the site.

6.2 GENERAL SITE SETTING

South side of West 25th Street
Topography is hilly

6.3 EXTERIOR OBSERVATIONS

No potential environmental conditions such as, dead vegetation, gas/chemical spills or storage drums were observed throughout the exterior areas at the time of our inspection.

6.4 INTERIOR OBSERVATIONS

The interior inspection revealed no evidence of any on-site spillage or disposal of chemicals or other hazardous materials.

During our inspection of the basement area it appears there is an abandoned boiler room located in the West 25th Street sidewalk vault with no access.

Floor drains were noted at the time of our inspection of the basement area. No oil or chemical products were noted in or about the drains

No hydraulic equipment was observed on the subject property. The elevator is a hydraulic unit No oil staining or pooling was noted in the elevator motor room at the time of our inspection.

There is an abandoned hydraulic lift on site (See Photo Section). Further evaluation of the lifts and soil sampling around the area around the lift is recommended. If no proof of proper abandonment is available, due to the amount of cars parked in the area it is possible there are more lifts.

6.5 UNDERGROUND STORAGE TANKS (UST) AND DRUMS

Each year, thousands of petroleum leaks and spills are reported to the Department of Environmental Conservation (DEC) / Department of Environmental Protection (DEP). Thousands of others may go unreported mainly because they have not yet been discovered. These leaks can enter the ground, seep into an aquifer and contaminate a water supply. In some places, water wells have been closed down and people have had to vacate their homes. Even small amounts of petroleum in soil or groundwater can be tasted or smelled and can subsequently affect health.

Leaking petroleum storage tanks are a major source of groundwater contamination. The DEC/DEP estimates that there may be as many as 185,000 tanks storing petroleum, which are subject to state regulations. Many of these tanks are bare steel and were installed underground in the 1950's and 1960's. These tanks have weakened by rust and have a fifty percent chance of developing leaks.

FINDINGS

There appears to be eight (8) abandoned underground storage tanks (USTs) holding gasoline located under the basement floor. In addition, Sanborn Maps for the years 1930-1996 show that there are eight (8) gasoline tanks buried on site. It is recommended that the owner supply documentation indicating proper abandonment of the tanks.

Should no documentation be available, it is recommended that a Phase II investigation, including soil borings and a ground penetrating radar (GPR) scan be conducted to determine if any buried tanks or sub-surface contamination is present.

6.6 ABOVEGROUND STORAGE TANKS (AST)

No above ground storage tanks (AST's) or storage drums were observed in any of the accessible areas at the time of our inspection.

6.7 ASBESTOS

The EPA has identified over 3,000 products used in buildings containing asbestos fibers. Our inspection of the premises is to determine the presence of **friable asbestos**, as defined by the Federal Environmental Protection Agency as any material, which may be pulverized with hand pressure. This material has the potential to release asbestos fibers into the atmosphere and in turn may be hazardous to the building occupants' health.

We have not inspected for or included in our report any building materials, which may contain non-friable asbestos such as vinyl asbestos floor tiles, exterior asbestos shingles, asbestos roofing felts, etc. Many of these materials are still manufactured today and not considered hazardous unless the material is cut, sawed, or grounded in a manner that might release asbestos fibers into the atmosphere.

We have used the 4-category system as defined by Asbestos Hazardous Emergency Response Act (AHERA) to designate the different conditions of asbestos noted throughout the areas of the site.

1. *Good Condition*
   Material with no visible damage or deterioration to very limited damage or deterioration.

2. *Fair Condition*
   Material with one or more of the following characteristics:
   - *A few water stains or less than one tenth of insulation with missing jackets.*
   - *Crushed insulation or water stains, gouges, puncture or mars on up to one tenth of the insulation if the damage is evenly distributed (or up to one quarter if the damage is localized).*

3. *Poor Condition*
   Material with one or more of the following characteristics:
   - *Missing jackets on at least one tenth of the piping equipment.*
   - *Crushed or heavily gouged or punctured insulation on at least one tenth of pipe runs/risers, boiler, tank duct, etc., if the damage is evenly distributed (one quarter if the damage is localized).*

4. *Significantly Damaged*
   Thermal systems insulation on pipes, boilers, tanks, ducts, and other thermal system insulation equipment which the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, water-stained, gouged, punctured, missing, or not intact such that is not able to contain fibers. Damage may be further illustrated by occasional puncture, gouges, or other signs of physical injury to ACM; occasional water damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris, originating from the ACM in question may also indicate damage.

ASBESTOS FINDINGS

No friable asbestos containing material was observed in any of the accessible areas of the building.

Many buildings' fireproofing is concealed in a plenum above the ceiling. These areas were not accessible and, therefore, we are unable to determine the type of fireproofing for those areas above the first floor.

6.8 ELECTRICAL TRANSFORMERS (PCBs)

Transformers often contain Poly-chlorinated biphenyl (PCB) Askarel coolant liquid and are generally used in hazardous locations where flammability is of concern. PCB transformers are no longer produced because of EPA's ban on the manufacture of new equipment containing PCB's.

FINDINGS

No electrical transformers were observed on the property. Therefore, the release of toxic P.C.B. chemicals is not a concern.

Per to toxic substance contract act (TSCA) the transformer owner, i.e. Utility Company, is responsible for all transformers maintenance and all spills of PCB's from their transformers.

Fluorescent light fixtures were not inspected for PCB content under the scope of this assessment.

6.9 GARBAGE DISPOSAL

There are no active incinerators located on the property. The garbage to be disposed of is placed in portable cans with covers. These containers are picked up several times per week by private sanitation.

6.10 LEAD BASED PAINT

Lead-based paint (LBP) was used extensively in buildings and structures that were constructed prior to 1978 and can be hazardous when damaged (i.e., chipped, broken, crumbling, pulverized); lead is toxic to humans particularly to children, if ingested, inhaled, or otherwise absorbed. Exposure to lead can cause health problems in children ranging from damage to the brain and nervous system, behavioral and learning problems (such as hyperactivity), slowed growth, hearing problems and headaches. In adults the health problems can range from difficulties during pregnancy, other reproductive problems, high blood pressure, digestive problems, nerve disorders, memory and concentration problems and muscle and joint pain.

Our research indicates the building was constructed **prior to 1978**, and lead based paint is assumed to be present throughout the building.

FINDINGS

The painted surface in the common areas inspected by Merritt Engineering Consultant's staff did not demonstrate signs of peeling or cracking. No samples of the paint were analyzed since this is beyond the scope of a Phase 1 Environmental Assessment.

Research of the Housing Preservation and Development (HPD) Department records did not reveal any lead based paint violations against the subject site (See Appendix A)

In addition, the site is not used for residential purposes.

A lead based paint survey in accordance with The Housing & Urban Development (HUD) guidelines was not conducted under the scope of this assessment.

6.11 NATURAL GAS

There building does not utilize natural gas

6.12 RADON

Radon first gained national attention in early 1984, when extremely high levels of indoor radon were found in areas of Connecticut, Pennsylvania, New Jersey, and New York. Radon is a colorless, odorless radioactive gas Nearly one out of every 15 homes in the U.S. is estimated to have elevated annual average levels of indoor radon. EPA established a Radon Program in 1985 to assist States and homeowners in reducing their risk of lung cancer from indoor radon.

FINDINGS

The New York State Department of Health indicates the average radon level for this area of Manhattan to be 1.4 pico curies per liter (pCi/L), which is below the EPA action level of 4 pCi/L.

A radon canister was not initiated at the time of our inspection since this is beyond the scope of this assessment.

6.13 STORM AND SANITARY DISCHARGE

There are no cesspools or septic tanks located on the property. The sanitary system for this building consists of a combination storm and sanitary drainage system, which empties by gravity into the New York City sewer system located under West 24th and West 25th Street.

6.14 WATER SUPPLY

The U.S. Environmental Protection Agency estimates that drinking water can comprise 20% or more of a person's total exposure to lead. Although lead in drinking water is rarely the single cause of lead poisoning, it can significantly increase a person's total lead exposure. Infants who are fed baby formula or drinks mixed with hot water from the tap are the most vulnerable to lead in drinking water. Lead solder can leach into the water supply. Standing water in the piping system can aid in the leaching process.

The EPA action level for lead in drinking water is 15 parts per billion, (PPB).

A sample with lead levels that equal or exceed 15 PPB is considered to have elevated levels of lead, and it is recommended that response action be taken. This response action may include additional testing, replacement of plumbing components, or an operations and maintenance program.

FINDINGS

The water main enters the property from West 25th Street. The main is connected to water meters located in the basement. The domestic water is supplied by New York City through aqua-ducts from upstate reservoirs.

There are no private ground water wells servicing this property.

No testing of the water was conducted under this scope.

7) INTERVIEWS

7.1 INTERVIEW WITH OWNER

The owner was not present during our inspection.

7.2 INTERVIEW WITH SITE REPRESENTATIVE

During our on-site visit, we interviewed Mr. I[illegible]an, who is the garage manager and is associated with the site for 2 years.

Copies of the above records of communications are included in Appendices, Section 10.6.

7.3 INTERVIEWS WITH OCCUPANTS (TENANTS)

No other individuals were interviewed regarding the facility.

7.4 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

MEC has retained Express Research to provide local government agency information which includes the following.

New York City Health Department
New York City Fire Department
New York City Department of Housing Preservation and Development

Copies of the above records of communications are included in Appendices, Section 10.4

7.5 INTERVIEWS WITH OTHERS

No additional interviews were conducted as part of this assessment.

8) REPORT SUMMARY

Based on our site reconnaissance, database review and historical investigation, the following Recognized Environmental Conditions (RECs) were noted at the time of our inspection.

A Recognized Environmental Condition means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under compliance with laws.

	ITEM	APPROXIMATE COST	PAGE
1A	There appears to be eight (8) abandoned underground storage tanks (USTs) holding gasoline located under the basement floor. In addition, Sanborn Maps for the years 1930-1995 also identified eight (8) gasoline tanks buried on site. It is recommended that the owner supply documentation indicating proper abandonment of the tanks.	Cost not determined	15
1B	Should no documentation be available, it is recommended that a Phase II investigation, including soil borings and a ground penetrating radar (GPR) scan be conducted to determine if any buried tanks or sub-surface contamination is present.	[illegible]	15
2A	Provide documentation for abandoned hydraulic lift on site.	Cost not determined	14
2B	Should no documentation be available, soil borings should be conducted around the area of the lift to determine if any sub surface contamination is present.	$1,500-$2,500	14

The following de minimis conditions were noted but are not considered Recognized Environmental Conditions (RECs).

A de minimis condition is one that generally does not present a material risk of harm to public health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies (excluding local asbestos & lead situations).

	ITEM	APPROXIMATE COST	PAGE
1	Further evaluation of abandoned boiler room located in the West 25th Street sidewalk vault. There as no access at the time of the inspection.	$250 Re-inspection Fee	14

No Historical Recognized Environmental Conditions (HRECs) were reported. In addition no evidence of HRECs were observed during our on-site inspection/ identified in our database search/historical review.

8.2 CONCLUSION

Merritt Engineering Consultants has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E1527 of (112-118 West 25th Street, a/k/a: 113-117 West 24th Street, New York, New York 10001), the property. Any exceptions to, or deletions from, this practice are described in Section [2.2] of this report.

8.3 OPINIONS

Based on our site reconnaissance, database review, historical review and interviews with persons familiar with the subject site and adjacent properties, the above Recognized Environmental Conditions (RECs) and/or de minimis conditions were identified under the scope of services outlined in Section 2.2. Further investigation is recommended.

No Historical Recognized Environmental Conditions were indicated or discovered during our on site inspection / database review / Historical Research.

8.4 DEVIATIONS

The assessment was performed in accordance with the Phase I (ESA) detailed scope of services in section 2.2, and the requirements of the detailed scope of work were met.

8.5 ADDITIONAL SERVICES

No additional services were performed beyond the detailed scope of services in section 2.2.

8.6 REFERENCES

All references relied upon are located in Appendix A.

9) CONSULTANT INFORMATION

9.1 QUALIFICATIONS AND SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

See Appendix A

We thank you for allowing Merritt Engineering Consultants, P.C., to serve as your Environmental Consultant for this project.

Should you have any questions regarding the contents of this report, please feel free to contact us to discuss the report in further detail

Site Inspector:

John Perotti
Certified Environmental Specialist

Reviewed by:

Charles G. Merritt
Certified Environmental Specialist

Charles G Merritt
Environmental Assessment
#10770
Association
Certified Environmental Specialist

10) APPENDICES

10.1 Site Photographs
10.2 Site (Vicinity) Map
10.3 Hazardous Waste Site Map
10.4 Regulatory Records Documentation
10.5 Historical Research Documentation
10.6 Interview Documentation
10.7 Qualifications
10.8 Special Contractual Conditions between User and Environmental Professional (If Applicable)
10.9 Historical Recognized Environmental Condition (HREC) documentation provided (If Applicable)
10.10 Additional information obtained

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APPENDIX C: REGULATORY DATABASE REPORT

PARTNER

112 West 25th Street
112 West 25th Street
New York, NY 10001

Inquiry Number: 4124383.2s
November 03, 2014

The EDR Radius Map™ Report

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

112 WEST 25TH STREET
NEW YORK, NY 10001

COORDINATES

Latitude (North):	40.7443000 - 40° 44' 39.48''
Longitude (West):	73.9928000 - 73° 59' 34.08''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	585036.5
UTM Y (Meters):	4510649.0
Elevation:	35 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995
North Map:	40073-G8 CENTRAL PARK, NY NJ
Most Recent Revision:	1995
West Map:	40074-F1 JERSEY CITY, NJ NY
Most Recent Revision:	1981
Northwest Map:	40074-G1 WEEHAWKEN, NJ NY
Most Recent Revision:	1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20100731, 20110705
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
112 W 25TH ST 112 W 25TH ST NEW YORK, NY 10001	EDR US Hist Auto Stat	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NY VAPOR REOPENED..... Vapor Intrusion Legacy Site List

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF..... Facility Register

State and tribal leaking storage tank lists

NY HIST LTANKS..... Listing of Leaking Storage Tanks
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

NY CBS UST..... Chemical Bulk Storage Database

NY MOSF UST ..... Major Oil Storage Facilities Database
NY CBS AST ..... Chemical Bulk Storage Database
NY MOSF AST ..... Major Oil Storage Facilities Database
NY MOSF ..... Major Oil Storage Facility Site Listing
NY CBS ..... Chemical Bulk Storage Site Listing
INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

NY ENG CONTROLS ..... Registry of Engineering Controls
NY INST CONTROL ..... Registry of Institutional Controls
NY RES DECL ..... Restrictive Declarations Listing

State and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP ..... Environmental Restoration Program Listing
NY BROWNFIELDS ..... Brownfields Site List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
NY SWRCY ..... Registered Recycling Facility List
NY SWTIRE ..... Registered Waste Tire Storage & Facility List
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
NY DEL SHWS ..... Delisted Registry Sites
US HIST CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information
NY LIENS ..... Spill Liens Information

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
NY Hist Spills ..... SPILLS Database
NY SPILLS 90 ..... SPILLS 90 data from FirstSearch
NY SPILLS 80 ..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
NY UIC	Underground Injection Control Wells
NY SPDES	State Pollutant Discharge Elimination System
NY AIRS	Air Emissions Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
NY COAL ASH	Coal Ash Disposal Site Listing
NY Financial Assurance	Financial Assurance Information Listing
PCB TRANSFORMER	PCB Transformer Registration Database
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
2020 COR ACTION	2020 Corrective Action Program List
COAL ASH DOE	Steam-Electric Plant Operation Data
LEAD SMELTERS	Lead Smelter Sites
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA LF	Recovered Government Archive Solid Waste Facilities List
NY RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 1/2 - 1 (0.932 mi.)***	***0***	***8***

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there are 3 CERC-NFRAP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INTERNATIONAL DIAL CO INC	***22 W 19TH ST***	***S 1/4 - 1/2 (0.352 mi.)***	***DK658***	***1604***
AMERICAN RADIUM INDUSTRIES	43 WEST 16 TH STREET	S 1/4 - 1/2 (0.445 mi.)	689	1658

Lower Elevation	Address	Direction / Distance	Map ID	Page
FEDERAL BUILDING THE	***252 7TH AVE***	***WNW 1/8 - 1/4 (0.126 mi.)***	***T203***	***458***

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
200 FIFTH AVENUE LLC	***200 FIFTH AVENUE***	***SE 1/8 - 1/4 (0.230 mi.)***	***CB545***	***1354***

Lower Elevation	Address	Direction / Distance	Map ID	Page
125 WEST 21ST STREET - ALCHEMY	***121-129 W 21ST ST***	***SSW 1/8 - 1/4 (0.188 mi.)***	***BC380***	***955***

EXECUTIVE SUMMARY

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 7 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MTA NYCT - 23RD STREET STATION	W 23RD ST & 6TH AVE	S 0 - 1/8 (0.097 mi.)	L125	294
HOME DEPOT USA INC HD6175	***40 W 23RD ST***	***SE 1/8 - 1/4 (0.195 mi.)***	***BG409***	***1030***
B SQUARED INC	104 W 29TH ST - 7TH FLO	NE 1/8 - 1/4 (0.214 mi.)	BL472	1198
MTA NYCT - FAN PLTS #8B(6356)&	W 29TH & 6TH AVE	NE 1/8 - 1/4 (0.217 mi.)	BL503	1265

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON AT FASHION INSTITUT	***227 W 27TH ST***	***NNW 1/8 - 1/4 (0.207 mi.)***	***BM450***	***1117***
ONEILL CONDOMINIUM	***655 6TH AVE***	***SSW 1/8 - 1/4 (0.224 mi.)***	***CK531***	***1328***
SWAN'S II CLEANERS	***181 7TH AVENUE***	***WSW 1/8 - 1/4 (0.237 mi.)***	***CE586***	***1448***

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 06/10/2014 has revealed that there are 16 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON MANHOLE: 56445	W 26TH ST 228 FEET E OF	ENE 0 - 1/8 (0.059 mi.)	H57	151
DAN KANE PLATING INC	***115 W 27TH ST 2ND FLOOR***	***NE 0 - 1/8 (0.116 mi.)***	***U165***	***389***
LAW & ORDER - CRIMINAL INTENT	***PIER 61 W 23RD ST AT WE***	***SSE 1/8 - 1/4 (0.148 mi.)***	***AH271***	***662***
ADAMS & CO REAL ESTATE INC	***53 W 23RD ST 8TH FLOOR***	***SSE 1/8 - 1/4 (0.162 mi.)***	***AQ289***	***728***
CON EDISON SERVICE BOX: 4273	***37 W 23RD ST***	***SE 1/8 - 1/4 (0.188 mi.)***	***BG379***	***953***
HORAN ENGRAVING CO INC	***44 W 28TH ST***	***ENE 1/8 - 1/4 (0.202 mi.)***	***BQ425***	***1068***
KIM JOHN RESIDENCE	***15 W 24TH ST - 6TH FLOO***	***SE 1/8 - 1/4 (0.204 mi.)***	***BE433***	***1090***
NYCT - 28TH ST STATION N/R LIN	***COR OF 28TH ST & BROADW***	***ENE 1/8 - 1/4 (0.224 mi.)***	***CJ528***	***1324***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WALGREEN CO #14293	***140 W 23RD ST***	***SW 0 - 1/8 (0.089 mi.)***	***N111***	***267***
23 FRENCH DRY CLEANERS	***169 W 23RD ST***	***WSW 0 - 1/8 (0.108 mi.)***	***R143***	***323***
DARBERT CORP	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.140 mi.)***	***AC238***	***546***
SCHOOL OF VISUAL ARTS	***141 W 21ST ST***	***SSW 1/8 - 1/4 (0.182 mi.)***	***BC344***	***850***
SCHOOL OF VISUAL ARTS	***133-141 W 21ST ST***	***SSW 1/8 - 1/4 (0.182 mi.)***	***BC346***	***870***
SCHOOL OF VISUAL ARTS	132-136 W 21ST ST	SSW 1/8 - 1/4 (0.187 mi.)	BC377	949
CON EDISON	***220 W 27TH ST***	***NNW 1/8 - 1/4 (0.197 mi.)***	***BM414***	***1053***
PIERMONT CLEANERS	***188 7TH AVE***	***WSW 1/8 - 1/4 (0.222 mi.)***	***CE522***	***1299***

State- and tribal - equivalent CERCLIS

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 07/16/2014 has revealed that there is 1 NY SHWS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER GUARDIAN CLEANERS	27-35 WEST 24TH STREET	SE 1/8 - 1/4 (0.184 mi.)	BE353	887

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 05/19/2014 has revealed that there are 127 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
734-754 AVE OF AMERICAS Spill Number/Closed Date: 8912052 / 12/31/2001	750 6TH AVE	E 0 - 1/8 (0.051 mi.)	D44	128
131 WEST 26TH STREET Spill Number/Closed Date: 9811447 / 2/11/1999	131 WEST 26TH STREET	NNE 0 - 1/8 (0.066 mi.)	I72	194
135 WEST 26TH STREET Spill Number/Closed Date: 0009418 / 11/17/2000	135 WEST 26TH ST	NNE 0 - 1/8 (0.066 mi.)	I76	199
SPILL NUMBER 0208834 Spill Number/Closed Date: 0208834 / 4/8/2004	142 WEST 26TH ST	N 0 - 1/8 (0.070 mi.)	I85	218
CHELSEA HOUSES -NYCHA Spill Number/Closed Date: 9806339 / 8/27/2013	***431 WEST 25TH ST***	***E 0 - 1/8 (0.095 mi.)***	***Q118***	***283***
COMMERCIAL BLDG Spill Number/Closed Date: 9900203 / 11/29/2002	55 W 26TH ST	ENE 0 - 1/8 (0.111 mi.)	V146	340
SPILL NUMBER 9814178 Spill Number/Closed Date: 9808491 / 10/20/1998	***115 WEST 27TH ST***	***NE 0 - 1/8 (0.116 mi.)***	***U161***	***366***
115 W 27TH ST CO Spill Number/Closed Date: 9808374 / 5/30/2006	***115 W 27TH ST***	***NE 0 - 1/8 (0.116 mi.)***	***U162***	***368***
DAN KANE PLATING INC Spill Number/Closed Date: 0514291 / 4/28/2006	***115 WEST 27TH STREET***	***NE 0 - 1/8 (0.116 mi.)***	***U164***	***377***
COMMERCIAL BUILDING Spill Number/Closed Date: 0313783 / 4/2/2004	153 WEST 27TH STREET	N 0 - 1/8 (0.122 mi.)	S175	416
JUSTIN PROPERTIES Spill Number/Closed Date: 0007013 / 3/4/2003	153 W 27TH ST	N 0 - 1/8 (0.122 mi.)	S176	418
CONSTRUCTION SITE Spill Number/Closed Date: 0007926 / 5/27/2003	56-74 W 23RD ST	S 0 - 1/8 (0.124 mi.)	AB197	451

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APARTMENT/COMMERCIAL Spill Number/Closed Date: 0404673 / 3/7/2006	109 WSET 27TH STREET	NNE 1/8 - 1/4 (0.129 mi.)	U208	468
50 W 23RD ST Spill Number/Closed Date: 9600169 / 1/5/2000	50 W 23RD ST	SSE 1/8 - 1/4 (0.143 mi.)	AH247	582
ACE ATLAS Spill Number/Closed Date: 0608788 / 3/22/2007	48 WEST 25TH STREET	ESE 1/8 - 1/4 (0.145 mi.)	AI258	612
SPILL NUMBER 0208979 Spill Number/Closed Date: 0208979 / 12/3/2002	28 WEST 27TH ST	ENE 1/8 - 1/4 (0.146 mi.)	AJ263	630
SPILL NUMBER 9914234 Spill Number/Closed Date: 9914234 / 3/20/2000	49/51 W. 24TH ST	SE 1/8 - 1/4 (0.149 mi.)	AN274	685
STORE Spill Number/Closed Date: 9815530 / 8/4/2000	48 WEST 27TH STREET	ENE 1/8 - 1/4 (0.163 mi.)	AJ292	737
OFFICE BUILDING Spill Number/Closed Date: 0410691 / 8/10/2006	45 WEST 27TH STREET	ENE 1/8 - 1/4 (0.177 mi.)	AW326	808
UNKNOWN TTF Spill Number/Closed Date: 1010552 / 4/19/2011	12 WEST 27TH ST	E 1/8 - 1/4 (0.190 mi.)	BI387	980
12 WEST 27TH STREET Spill Number/Closed Date: 9508284 / 3/10/2010	***12 WEST 27TH STREET***	***E 1/8 - 1/4 (0.190 mi.)***	***BI388***	***981***
SPILL NUMBER 9812742 Spill Number/Closed Date: 9812742 / 1/18/1999	12 W 27TH ST	E 1/8 - 1/4 (0.190 mi.)	BI389	983
APARTMENT BUILDING Spill Number/Closed Date: 0311861 / 9/10/2004	1141 BROADWAY	E 1/8 - 1/4 (0.201 mi.)	BP422	1063
ROTTEN VENT PIPE - TTF Spill Number/Closed Date: 1206250 / Not Reported	38 WEST 28 TH ST	ENE 1/8 - 1/4 (0.206 mi.)	BQ444	1108
28-28 WEST 28TH ST Spill Number/Closed Date: 8805273 / 9/30/1992 Spill Number/Closed Date: 8805274 / 9/30/1992	28-28 WEST 28TH STREET	ENE 1/8 - 1/4 (0.217 mi.)	BQ496	1253
1170 BROADWAY Spill Number/Closed Date: 0209935 / 5/11/2005	1170 BROADWAY	ENE 1/8 - 1/4 (0.217 mi.)	BZ497	1255
1200 BROADWAY Spill Number/Closed Date: 9706587 / 9/3/1997	***1200 BROADWAY***	***ENE 1/4 - 1/2 (0.253 mi.)***	***CY622***	***1532***
FISHKIN HOME Spill Number/Closed Date: 0412444 / 3/15/2006	130 WEST 30TH STREET	NNE 1/4 - 1/2 (0.258 mi.)	DA623	1534
1204 BROADWAY Spill Number/Closed Date: 0803745 / 12/1/2008	***1204 BROADWAY***	***ENE 1/4 - 1/2 (0.260 mi.)***	***CY624***	***1536***
SPILL NUMBER 0008171 Spill Number/Closed Date: 0008171 / 7/25/2001	178-180 5TH AV	SE 1/4 - 1/2 (0.268 mi.)	DC625	1539
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 8906957 / 3/6/2003	167 NORTH 5TH STREET	SE 1/4 - 1/2 (0.270 mi.)	DC626	1540
12 WEST 21ST ST Spill Number/Closed Date: 1010551 / 4/19/2011	***12 WEST 21ST ST***	***SSE 1/4 - 1/2 (0.271 mi.)***	***627***	***1541***
APARTMENT BUILDING Spill Number/Closed Date: 0608561 / 12/18/2006	166 FIFTH AVENUE	SSE 1/4 - 1/2 (0.276 mi.)	629	1548
TRAPER'S INCORPORATED Spill Number/Closed Date: 8709868 / 10/7/1992	135 WEST 30TH STREET	NNE 1/4 - 1/2 (0.280 mi.)	631	1551
OFFICE BUILDING Spill Number/Closed Date: 0312186 / 8/15/2005	245 5TH AVE	E 1/4 - 1/2 (0.284 mi.)	632	1552

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
30TH ST & BROADWAY/MANH Spill Number/Closed Date: 9010217 / 12/20/1990	30TH ST & BROADWAY	NE 1/4 - 1/2 (0.285 mi.)	633	1553
RETAIL BUSINESS Spill Number/Closed Date: 0409245 / 11/19/2004	36 WEST 20TH STREET	S 1/4 - 1/2 (0.290 mi.)	634	1554
LIVE BAIT RESTERAUNT Spill Number/Closed Date: 0401599 / 4/19/2007	14 EAST 23RD STREET	SE 1/4 - 1/2 (0.308 mi.)	641	1564
120 WEST 31ST ST Spill Number/Closed Date: 9905948 / 4/5/2006	120 WEST 31ST ST	NNE 1/4 - 1/2 (0.309 mi.)	DF642	1567
APARTMENT BUILDING - TTF Spill Number/Closed Date: 1205628 / Not Reported	132 WEST 31ST STREET	NNE 1/4 - 1/2 (0.310 mi.)	DF643	1568
PRIVATE RESIDENCE Spill Number/Closed Date: 0409184 / 11/29/2005	261 5TH AVE	E 1/4 - 1/2 (0.311 mi.)	DG644	1570
261 5TH AVE //ALSO SEE 0409184 Spill Number/Closed Date: 0409482 / 12/13/2004	261 5TH AVE	E 1/4 - 1/2 (0.312 mi.)	DG645	1571
MADISON - GREEN CONDO Spill Number/Closed Date: 8804440 / 8/23/1988	5 E 22ND ST	SE 1/4 - 1/2 (0.312 mi.)	646	1572
MANH EAST SUITE HOTEL Spill Number/Closed Date: 8900752 / 4/25/1989	371 7TH AVENUE	N 1/4 - 1/2 (0.312 mi.)	647	1573
COMMERCIAL LOCATION Spill Number/Closed Date: 0006542 / 8/21/2008	875 6TH AV	NE 1/4 - 1/2 (0.314 mi.)	648	1574
X Spill Number/Closed Date: 0209007 / 12/5/2005	149 5TH AVE	SSE 1/4 - 1/2 (0.316 mi.)	649	1577
EMPIRE STATE LOFTS, LTD Spill Number/Closed Date: 0502173 / 6/23/2005	***11 WEST 30TH STREET***	***ENE 1/4 - 1/2 (0.326 mi.)***	***653***	***1590***
SPILL NUMBER 0200982 Spill Number/Closed Date: 0200982 / 11/7/2002	***276 5TH AVE***	***ENE 1/4 - 1/2 (0.344 mi.)***	***654***	***1597***
CONDO SITE Spill Number/Closed Date: 0011666 / 5/27/2003	***23-25 EAST 21ST ST***	***SSE 1/4 - 1/2 (0.358 mi.)***	***DL661***	***1610***
BUSINESS Spill Number/Closed Date: 9910697 / 12/22/1999	34 EAST 23RD ST	SE 1/4 - 1/2 (0.361 mi.)	DM662	1614
29 EAST 21ST STREET Spill Number/Closed Date: 9509065 / 10/23/1995	***29 EAST 21ST ST***	***SSE 1/4 - 1/2 (0.365 mi.)***	***DL665***	***1619***
MAJESTIC ROSE Spill Number/Closed Date: 0210555 / 1/2/2004 Spill Number/Closed Date: 0210483 / 1/21/2003	76 MADISON AV	E 1/4 - 1/2 (0.372 mi.)	667	1623
36 EAST 23TH ST. Spill Number/Closed Date: 9315499 / 3/31/1994	36 EAST 23TH ST.	SE 1/4 - 1/2 (0.381 mi.)	DM668	1626
102 MADISON AVE/MANH Spill Number/Closed Date: 9013232 / 3/31/1995 Spill Number/Closed Date: 9013196 / 3/31/1995	102 MADISON AVENUE	E 1/4 - 1/2 (0.390 mi.)	670	1629
SPILL NUMBER 0011353 Spill Number/Closed Date: 0011353 / 1/18/2001	12 WEST 18TH ST	S 1/4 - 1/2 (0.393 mi.)	DN671	1631
SPILL NUMBER 0212511 Spill Number/Closed Date: 0212491 / 5/6/2005	***48 EAST 21ST STREET***	***SSE 1/4 - 1/2 (0.393 mi.)***	***672***	***1632***
12 WEST 18TH STREET Spill Number/Closed Date: 0209822 / 8/30/2005	12 WEST 18TH ST	S 1/4 - 1/2 (0.393 mi.)	DN673	1636
12 EAST 32ND STREET/MANHA Spill Number/Closed Date: 8807249 / 12/4/1992	12 EAST 32ND STREET	ENE 1/4 - 1/2 (0.406 mi.)	674	1638

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 9914457 Spill Number/Closed Date: 9914457 / 3/22/2000	29 WEST 17TH ST	S 1/4 - 1/2 (0.414 mi.)	DO676	1640
99 MADISON AVE Spill Number/Closed Date: 9808216 / 4/21/2003	99 MADISON AVE	E 1/4 - 1/2 (0.416 mi.)	677	1641
26 WEST 17TH ST/ACE ATLAS Spill Number/Closed Date: 8800557 / 12/29/1988	26 WEST 17TH ST	S 1/4 - 1/2 (0.417 mi.)	DO678	1642
890 BROADWAY CONDO TTF Spill Number/Closed Date: 1108502 / 12/22/2011	890 BROADWAY	SSE 1/4 - 1/2 (0.429 mi.)	681	1646
SPILL NUMBER 0104856 Spill Number/Closed Date: 0104856 / 12/12/2003 Spill Number/Closed Date: 1100694 / 12/20/2012	120 MADISON AV	E 1/4 - 1/2 (0.435 mi.)	682	1647
APARTMENT BUILDING Spill Number/Closed Date: 0313041 / 5/26/2004	280 PARK AVE SOUTH	SE 1/4 - 1/2 (0.453 mi.)	694	1663
SPILL NUMBER 0208080 Spill Number/Closed Date: 0208080 / 11/4/2002	105 E 26TH ST	ESE 1/4 - 1/2 (0.454 mi.)	695	1665
SPILL NUMBER 9903174 Spill Number/Closed Date: 9903174 / 8/25/2003	28 E 31ST ST	ENE 1/4 - 1/2 (0.456 mi.)	DS696	1666
89 5TH AVENUE Spill Number/Closed Date: 9410087 / 10/28/1994	89 5TH AVENUE	S 1/4 - 1/2 (0.459 mi.)	697	1667
IN SEWER BEHIND Spill Number/Closed Date: 9903175 / 6/18/1999	131 MADISON AVE	ENE 1/4 - 1/2 (0.459 mi.)	DS700	1671
419 PARK AVE SOUTH Spill Number/Closed Date: 0210827 / 1/30/2003	419 PARK AVE SOUTH	E 1/4 - 1/2 (0.481 mi.)	DU706	1682
339 5TH AVENUE Spill Number/Closed Date: 9309720 / 11/12/1993	339 5TH AVENUE	ENE 1/4 - 1/2 (0.483 mi.)	707	1683
APT BUILDING Spill Number/Closed Date: 1012263 / 4/8/2011	257 PARK AVE SOUTH	SE 1/4 - 1/2 (0.486 mi.)	DV709	1687
E32ND ST ON THE STREET Spill Number/Closed Date: 9812034 / 3/3/2003	E.32ND ST/ MADISON AVE	ENE 1/4 - 1/2 (0.491 mi.)	711	1692
116 EAST 27TH ST Spill Number/Closed Date: 9814041 / 2/25/2003	***116 EAST 27TH ST***	***ESE 1/4 - 1/2 (0.497 mi.)***	***715***	***1720***
UNKNOWN BUILDING - TTF Spill Number/Closed Date: 1108615 / Not Reported	419 PARK AVE SOUTH	E 1/4 - 1/2 (0.497 mi.)	DU716	1723
APRT Spill Number/Closed Date: 0602910 / 12/22/2009	240 CENTRAL PARK SOUTH	SSE 1/4 - 1/2 (0.500 mi.)	717	1724

Lower Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 0110441 Spill Number/Closed Date: 0110441 / 1/31/2002	142 WEST 24TH ST	WSW 0 - 1/8 (0.044 mi.)	F29	95
BUSINESS Spill Number/Closed Date: 9813461 / 5/7/2004	119 W 23RD ST	SSW 0 - 1/8 (0.064 mi.)	J66	183
SPILL NUMBER 0110039 Spill Number/Closed Date: 0110039 / 4/11/2003	153 W 23RD ST	WSW 0 - 1/8 (0.097 mi.)	R130	302
OLD GAS STATION Spill Number/Closed Date: 9813276 / 10/24/2002	276 7TH AVE	NW 1/8 - 1/4 (0.135 mi.)	AD223	508
166 WEST 22ND STREET Spill Number/Closed Date: 9400302 / 2/4/2003 Spill Number/Closed Date: 0006798 / 1/2/2001	***166 WEST 22ND STREET***	***SW 1/8 - 1/4 (0.142 mi.)***	***AF245***	***574***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
CONSTRUCTION SITE	***226 WEST 26TH STREET***	***NW 1/8 - 1/4 (0.183 mi.)***	***AU352***	***881***
Spill Number/Closed Date: 9510269 / 11/16/1995				
Spill Number/Closed Date: 9510264 / 11/16/1995				
HAG REALITY	250 WEST 26TH ST	NW 1/8 - 1/4 (0.211 mi.)	BK459	1168
Spill Number/Closed Date: 9813015 / 5/20/2004				
330 7TH AVENUE	***330 7TH AVENUE***	***N 1/8 - 1/4 (0.222 mi.)***	***CI518***	***1292***
Spill Number/Closed Date: 9503741 / 6/26/1995				
APT BLDG	***255 WEST 23RD ST***	***W 1/8 - 1/4 (0.233 mi.)***	***BW570***	***1404***
Spill Number/Closed Date: 0209070 / 6/21/2007				
255 W. 23RD ST	255 W. 23RD ST	W 1/8 - 1/4 (0.233 mi.)	BW572	1412
Spill Number/Closed Date: 0205799 / 6/20/2003				
232 W. 29TH ST.	232 W. 29TH STREET	NNW 1/4 - 1/2 (0.275 mi.)	DD628	1547
Spill Number/Closed Date: 9409873 / 10/24/1994				
APARTMENT	214 WEST 20TH STREET	WSW 1/4 - 1/2 (0.278 mi.)	630	1549
Spill Number/Closed Date: 0601208 / 7/20/2006				
APARTNMENT BUILDING TTF	245 W 29TH ST	NNW 1/4 - 1/2 (0.292 mi.)	DD635	1555
Spill Number/Closed Date: 1113817 / 11/27/2012				
UNDERGROUND TTF	245 WEST 29TH STREET	NNW 1/4 - 1/2 (0.292 mi.)	DD636	1557
Spill Number/Closed Date: 1113867 / 7/27/2012				
SPILL NUMBER 0104060	***304 8TH AVE***	***NW 1/4 - 1/2 (0.295 mi.)***	***637***	***1559***
Spill Number/Closed Date: 0104060 / 7/18/2001				
EXXONMOBIL	153-169 SEVENTH AVE	SW 1/4 - 1/2 (0.303 mi.)	DE638	1561
Spill Number/Closed Date: 0009966 / 7/11/2003				
EXXONMOBIL	153-169 SEVENTH AVE	SW 1/4 - 1/2 (0.303 mi.)	DE639	1562
Spill Number/Closed Date: 9209472 / 12/7/1992				
MOBIL STATION #17Q53	153-169 SEVENTH AVE	SW 1/4 - 1/2 (0.303 mi.)	DE640	1563
Spill Number/Closed Date: 9911365 / 9/24/2002				
MUTUAL REDEVELOPMENT HOUSES	***315 WEST 25TH STREET***	***WNW 1/4 - 1/2 (0.320 mi.)***	***DH650***	***1578***
Spill Number/Closed Date: 9602633 / 9/16/2005				
CLOSED-LACKOF RECENT INFO	315 W. 25TH ST	WNW 1/4 - 1/2 (0.320 mi.)	DH651	1587
Spill Number/Closed Date: 8908445 / 3/6/2003				
APT. BUILDING	312 WEST 23RD ST	WNW 1/4 - 1/2 (0.321 mi.)	652	1588
Spill Number/Closed Date: 0706771 / 10/11/2007				
CLOSED-LACKOF RECENT INFO	200 WEST 18TH STREET	SW 1/4 - 1/2 (0.347 mi.)	DI655	1600
Spill Number/Closed Date: 9004954 / 3/6/2003				
SPILL NUMBER 0010929	251 W. 19TH ST	WSW 1/4 - 1/2 (0.349 mi.)	DJ656	1601
Spill Number/Closed Date: 0010929 / 7/29/2003				
APRT	213 WEST 18TH STREET	SW 1/4 - 1/2 (0.355 mi.)	DI659	1608
Spill Number/Closed Date: 0800354 / 4/13/2010				
VERIZON	210 W. 18TH ST	SW 1/4 - 1/2 (0.355 mi.)	DI660	1609
Spill Number/Closed Date: 0303667 / 7/8/2003				
UNKNOWN APARTMNT BUILDING	***204 8TH AVE***	***W 1/4 - 1/2 (0.364 mi.)***	***663***	***1615***
Spill Number/Closed Date: 8905180 / 9/15/1997				
APARTMENT HOUSE	***264 W. 19TH ST***	***WSW 1/4 - 1/2 (0.364 mi.)***	***DJ664***	***1617***
Spill Number/Closed Date: 0209894 / 3/26/2003				
APARTMENT BLDG.- TTF	135 W. 17TH ST.	SSW 1/4 - 1/2 (0.370 mi.)	666	1621
Spill Number/Closed Date: 0501089 / 11/2/2005				

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
400 8TH AVE Spill Number/Closed Date: 9411284 / 11/23/1994	***400 8TH AVE***	***NNW 1/4 - 1/2 (0.388 mi.)***	***669***	***1627***
304 W 30TH ST Spill Number/Closed Date: 9110058 / 12/21/1991	304 W 30TH ST	NNW 1/4 - 1/2 (0.412 mi.)	675	1639
APARTMENT BUILDING Spill Number/Closed Date: 9608521 / 11/22/1996	347 WEST 29TH ST	NNW 1/4 - 1/2 (0.428 mi.)	680	1645
201 WEST 16TH ST CORP. Spill Number/Closed Date: 0008506 / 12/22/2005	201 WEST 16TH ST	SW 1/4 - 1/2 (0.435 mi.)	DP683	1649
SPILL NUMBER 9712649 Spill Number/Closed Date: 9712649 / 2/12/1998	331 PARK AVE SO	ESE 1/4 - 1/2 (0.438 mi.)	DQ684	1651
PRIVATE RES Spill Number/Closed Date: 0404859 / 8/5/2004	160 W 16TH ST	SW 1/4 - 1/2 (0.438 mi.)	DP685	1652
343-353 PARK AVENUE SOUTH Spill Number/Closed Date: 0300623 / 9/26/2006	343-353 PARK AVENUE SOU	ESE 1/4 - 1/2 (0.438 mi.)	686	1653
APRT BUILDING -TTF Spill Number/Closed Date: 0501515 / 10/25/2005	315-325 WEST 30TH STREE	NNW 1/4 - 1/2 (0.440 mi.)	687	1655
EASTMAN Spill Number/Closed Date: 0008945 / 9/20/2005	315 PARK AVE SOUTH	SE 1/4 - 1/2 (0.443 mi.)	688	1656
308 WEST 18TH ST Spill Number/Closed Date: 9511332 / 12/8/1995	308 WEST 18TH ST	WSW 1/4 - 1/2 (0.448 mi.)	DR690	1658
RBH MANAGEMENT TTF Spill Number/Closed Date: 1111100 / 3/1/2012	333 PARK AVE STH	ESE 1/4 - 1/2 (0.450 mi.)	DQ691	1660
310 WEST 18TH STREET Spill Number/Closed Date: 9612959 / 2/9/2000	310 WEST 18TH STREET	WSW 1/4 - 1/2 (0.450 mi.)	DR692	1661
WATTON STUDIO TTF Spill Number/Closed Date: 1301250 / Not Reported	333 PARK AVE STH	ESE 1/4 - 1/2 (0.452 mi.)	DQ693	1662
SPILL NUMBER 9800017 Spill Number/Closed Date: 9800017 / 4/1/1998	***240 WEST 16TH AT***	***SW 1/4 - 1/2 (0.459 mi.)***	***DT698***	***1668***
SPILL NUMBER 9811171 Spill Number/Closed Date: 9811171 / 12/7/1998	240 WEST 16TH ST	SW 1/4 - 1/2 (0.459 mi.)	DT699	1670
UPSCALE DEVELOPMENT Spill Number/Closed Date: 9612243 / 12/31/1997	349 WEST 30TH ST 1ST FL	NNW 1/4 - 1/2 (0.467 mi.)	701	1672
100 WEST 15TH ST. Spill Number/Closed Date: 9211685 / 7/31/1997	100 WEST 15TH ST.	SSW 1/4 - 1/2 (0.470 mi.)	702	1673
APRTMENT BUILDING Spill Number/Closed Date: 0508110 / 1/31/2006	161 WEST 15TH ST	SW 1/4 - 1/2 (0.471 mi.)	703	1675
COMMERCIAL BUILDING Spill Number/Closed Date: 0606977 / 1/24/2008	31 WEST 15TH STREET	SSW 1/4 - 1/2 (0.474 mi.)	704	1676
PS 33 Spill Number/Closed Date: 9614151 / 12/31/1997 Spill Number/Closed Date: 9713196 / 3/3/2003	***281 NINTH AVENUE***	***NW 1/4 - 1/2 (0.475 mi.)***	***705***	***1678***
400 WEST 25TH STREET Spill Number/Closed Date: 9310011 / 11/17/1993	***400 WEST 25TH STREET***	***WNW 1/4 - 1/2 (0.484 mi.)***	***708***	***1684***
CLOSED-LACKOF RECENT INFO Spill Number/Closed Date: 8807152 / 3/5/2003	303 9TH AVENUE	NW 1/4 - 1/2 (0.492 mi.)	712	1693
TIME WARNER BUILDING Spill Number/Closed Date: 0405554 / 11/17/2005	***120 EAST 23RD ST***	***SE 1/4 - 1/2 (0.493 mi.)***	***DW713***	***1694***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
120 EAST 23RD ST	***120 EAST 23RD ST***	***SE 1/4 - 1/2 (0.493 mi.)***	***DW714***	***1697***
Spill Number/Closed Date: 0305304 / 9/29/2003				

State and tribal registered storage tank lists

NY TANKS: This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

A review of the NY TANKS list, as provided by EDR, and dated 09/30/2014 has revealed that there is 1 NY TANKS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
127 W 25TH ST	***127 W 25TH ST***	***NNW 0 - 1/8 (0.044 mi.)***	***B31***	***101***

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, and dated 09/30/2014 has revealed that there are 19 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
750 SIXTH AVENUE	***736 SIXTH AVENUE (750 S***	***ESE 0 - 1/8 (0.062 mi.)***	***61***	***156***
109 WEST 27TH STREET	***109 WEST 27TH STREET***	***NE 0 - 1/8 (0.119 mi.)***	***U173***	***411***
THE CAROLINE	60 WEST 23RD STREET	S 0 - 1/8 (0.124 mi.)	AB195	445
40 WEST 25TH STREET ASSOCIATES	***40 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.159 mi.)***	***AI285***	***708***
MAXAM PROPERTIES LLC/ D2 PROPE	***135 WEST 28TH STREET***	***NNE 1/8 - 1/4 (0.176 mi.)***	***325***	***802***
FM RING ASSOCIATES, INC.	***45 W 27TH ST***	***ENE 1/8 - 1/4 (0.177 mi.)***	***AW327***	***810***
1140 ASSOCIATES	***1140 BROADWAY***	***E 1/8 - 1/4 (0.216 mi.)***	***BP491***	***1238***
1170 BROADWAY	***1170 BROADWAY***	***ENE 1/8 - 1/4 (0.217 mi.)***	***BZ499***	***1257***
1181 BROADWY	***1181 BROADWAY***	***ENE 1/8 - 1/4 (0.219 mi.)***	***BZ508***	***1271***
835 AVENUE OF THE AMERICAS, L.	839 6TH AVENUE	NE 1/8 - 1/4 (0.227 mi.)	CN540	1347

Lower Elevation	Address	Direction / Distance	Map ID	Page
CASPARON BELEGGINGEN N.V.	***147 WEST 25TH STREET***	***NW 0 - 1/8 (0.038 mi.)***	***B19***	***74***
148 W 23RD ST	148 W 23RD ST	WSW 0 - 1/8 (0.123 mi.)	AA190	436
ARADCO LTD.	207 W 25TH ST	NW 1/8 - 1/4 (0.134 mi.)	AC219	499
228-237 CORP.	***276 7TH AVENUE***	***NW 1/8 - 1/4 (0.137 mi.)***	***AD227***	***513***
307 7TH AVE	307 SEVENTH AVENUE	NNW 1/8 - 1/4 (0.182 mi.)	BA341	844
2324 REALTY CO	***225 W 23RD ST***	***W 1/8 - 1/4 (0.187 mi.)***	***AZ370***	***931***
ELBERT HOLDING CORP	***142 W 21ST ST***	***SW 1/8 - 1/4 (0.189 mi.)***	***BH383***	***964***
ELBERT HOLDING CORP	161 WEST 21ST ST	SW 1/8 - 1/4 (0.193 mi.)	BH404	1016
CHELSEA GARDENS OWNERS CORP.	255 WEST 23RD STREET	W 1/8 - 1/4 (0.233 mi.)	BW573	1414

EXECUTIVE SUMMARY

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 09/30/2014 has revealed that there are 226 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
130 W 25TH ST	***130 WEST 25TH STREET***	***N 0 - 1/8 (0.017 mi.)***	***A2***	***36***
133 WEST 25TH STREET	133 WEST 25TH STREET	N 0 - 1/8 (0.020 mi.)	A6	43
119 W 25TH ST	***119 W 25TH ST***	***ENE 0 - 1/8 (0.022 mi.)***	***A7***	***45***
TAMKAT BUILDING CORP.	138 WEST 25TH STREET	NNW 0 - 1/8 (0.026 mi.)	B8	48
108 WEST 25 STREET CONDOMINIUM	108-110 WEST 25TH STREE	E 0 - 1/8 (0.032 mi.)	D10	52
GAY MEN'S HEALTH CRISIS INC.	***119 W 24 ST***	***S 0 - 1/8 (0.035 mi.)***	***C15***	***63***
107 WEST 25TH STREET CORPORATI	***107 WEST 25TH STREET***	***E 0 - 1/8 (0.037 mi.)***	***D17***	***68***
ABRAHAM GLUZ	***753 AVE OF THE AMERICAS***	***E 0 - 1/8 (0.038 mi.)***	***D22***	***83***
111 WEST 24TH STREET ASSOCIATE	109-111 WEST 24TH STREE	SSE 0 - 1/8 (0.042 mi.)	E23	86
CHELSEA LANDMARK	55 WEST 25TH STREET	E 0 - 1/8 (0.045 mi.)	D33	104
49 WEST 24TH TENANTS CORP.	49 WEST 24TH STREET	SSE 0 - 1/8 (0.052 mi.)	E47	130
S&P/DM 26 DEVELOPMENT LLC	100 WEST 26TH STREET	ENE 0 - 1/8 (0.059 mi.)	H55	147
114 W 26 ST	***114 W 26 ST***	***NNE 0 - 1/8 (0.061 mi.)***	***I60***	***153***
122 WEST 26TH ST	***122 WEST 26TH ST***	***NE 0 - 1/8 (0.065 mi.)***	***I68***	***185***
127 WEST 26TH STREET	127 WEST 26TH STREET	NNE 0 - 1/8 (0.066 mi.)	I74	196
135 W W 26TH ST	***135 WEST 26TH STREET***	***NNE 0 - 1/8 (0.068 mi.)***	***I79***	***205***
134 W 26TH ST	***134 W 26TH ST***	***N 0 - 1/8 (0.069 mi.)***	***K81***	***209***
RANDALL COMPANY	***110 WEST 26TH STREET***	***NE 0 - 1/8 (0.069 mi.)***	***H82***	***212***
142 WEST 26TH STREET	142 WEST 26TH STREET	N 0 - 1/8 (0.070 mi.)	I84	216
109 WEST 26 OWNERS CORP.	109 WEST 26TH STREET	NE 0 - 1/8 (0.072 mi.)	H87	221
150 WEST 26 STREET	150 WEST 26TH STREET	N 0 - 1/8 (0.077 mi.)	K92	229
151 WEST 26TH ST.	***151 WEST 26TH STREET***	***N 0 - 1/8 (0.078 mi.)***	***K96***	***235***
777 SIXTH AVENUE	777 SIXTH AVENUE	ENE 0 - 1/8 (0.085 mi.)	M101	245
THE VANGUARD CHELSEA	77 WEST 24TH STREET	SE 0 - 1/8 (0.095 mi.)	P116	277
41-51 W 25TH ST	***41-51 W 25TH ST***	***E 0 - 1/8 (0.095 mi.)***	***Q117***	***279***
715-723 SIXTH AVENUE OWNERS CO	101 WEST 23RD STREET	S 0 - 1/8 (0.097 mi.)	L124	291
AMBASSADOR ARTS INCORPORATED	***122 WEST 27TH STREET***	***NNE 0 - 1/8 (0.106 mi.)***	***S137***	***310***
118 W 27 ST	118 WEST 27TH STREET	NE 0 - 1/8 (0.110 mi.)	U145	338
THE CAPITOL AT CHELSEA	55 WEST 26TH STREET	ENE 0 - 1/8 (0.111 mi.)	V147	342
114 WEST 27 STREET	***114 WEST 27 STREET***	***NE 0 - 1/8 (0.114 mi.)***	***U151***	***347***
WEST 27TH STREET REALTY, INC.	***129 W 27TH ST***	***NNE 0 - 1/8 (0.115 mi.)***	***U153***	***351***
SIXTH AVENUE WEST ASSOCIATES	121 WEST 27TH STREET	NNE 0 - 1/8 (0.115 mi.)	U158	361
115 W. 27TH ST	115 WEST 27TH STREET	NE 0 - 1/8 (0.116 mi.)	U166	391
104 WEST 27TH ST	104 WEST 27TH ST	NE 0 - 1/8 (0.118 mi.)	U168	396
135 WEST 27TH STREET	135 WEST 27TH STREET	NNE 0 - 1/8 (0.118 mi.)	S169	401
WEST 27TH LOFT CORP	***143 WEST 27TH ST***	***NNE 0 - 1/8 (0.118 mi.)***	***S171***	***404***
145 W 27	***145 W 27TH ST***	***NNE 0 - 1/8 (0.119 mi.)***	***S172***	***408***
144 WEST 27TH ST	144 WEST 27TH ST	NNE 0 - 1/8 (0.120 mi.)	S174	414
153 WEST 27TH STREET	153 WEST 27TH STREET	N 0 - 1/8 (0.123 mi.)	S188	431
THE CAROLINE	***60 WEST 23RD STREET***	***S 0 - 1/8 (0.124 mi.)***	***AB196***	***447***
WEST END ESTATES LLC	154 WEST 27TH STREET	N 1/8 - 1/4 (0.125 mi.)	S201	454
MASONIC HALL	***71 WEST 23RD STREET***	***SSE 1/8 - 1/4 (0.133 mi.)***	***Z216***	***487***
CHELSEA	800 SIXTH AVENUE	NE 1/8 - 1/4 (0.138 mi.)	Y229	524
48 WEST 25TH ST	48 W 25TH ST	ESE 1/8 - 1/4 (0.144 mi.)	AI250	587
28 WEST 27TH STREET	***28 WEST 27TH STREET***	***ENE 1/8 - 1/4 (0.146 mi.)***	***AJ262***	***627***
KIAMIE PRINCESS MARION REALTY	***37 W 26TH ST***	***E 1/8 - 1/4 (0.147 mi.)***	***AK267***	***645***
804-810 6TH AVE.	***804-810 6TH AVE.***	***NE 1/8 - 1/4 (0.147 mi.)***	***AL268***	***648***
61-65 WEST 23RD STREET	61-65 WEST 23RD STREET	SSE 1/8 - 1/4 (0.148 mi.)	AH270	655
4324 COMPANY	***43 WEST 24TH ST***	***SE 1/8 - 1/4 (0.153 mi.)***	***AN279***	***690***
40 WEST 24TH STREET CORP.	***40 WEST 24TH STREET***	***SE 1/8 - 1/4 (0.157 mi.)***	***AN282***	***703***
COMFORT INN	18 WEST 25TH ST	ESE 1/8 - 1/4 (0.161 mi.)	AI287	723

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OHDAY REALTY CORP	***120 W 28TH ST***	***NNE 1/8 - 1/4 (0.162 mi.)***	***AP288***	***725***
TWENTY THIRD STREET ASSOCIATES	53 WEST 23RD STREET	SSE 1/8 - 1/4 (0.162 mi.)	AQ290	733
28TH STREET PROPERTIES LLC	136 WEST 28 STREET	NNE 1/8 - 1/4 (0.163 mi.)	AP293	738
38 WEST 26TH ST	38 WEST 26TH STREET	E 1/8 - 1/4 (0.163 mi.)	AK294	740
FLOWER 28, LLC	139 WEST 28TH STREET	NNE 1/8 - 1/4 (0.165 mi.)	AP299	753
36 WEST 25TH STREET	36 WEST 25TH STREET	ESE 1/8 - 1/4 (0.166 mi.)	AI301	756
146-48 W 28 ST	146-48 WEST 28TH STREET	NNE 1/8 - 1/4 (0.166 mi.)	AP302	758
150 W 28TH ST	***150 W 28TH ST***	***N 1/8 - 1/4 (0.166 mi.)***	***AR303***	***761***
145 WEST 28TH STREET	145 WEST 28TH STREET	NNE 1/8 - 1/4 (0.167 mi.)	AP304	765
40 WEST 27TH ST	40 WEST 27TH ST	ENE 1/8 - 1/4 (0.171 mi.)	AW315	784
LOFT REALTY CO	***49 W 27 ST***	***ENE 1/8 - 1/4 (0.172 mi.)***	***AW317***	***786***
30 W 26 ST	30 WEST 26TH STREET	E 1/8 - 1/4 (0.176 mi.)	AY321	796
MAXAM PROPERTIES LLC/ D2 PROPE	***135 WEST 28TH STREET***	***NNE 1/8 - 1/4 (0.176 mi.)***	***325***	***802***
25 W 26 STREET INC.	25 WEST 26TH STREET	E 1/8 - 1/4 (0.178 mi.)	AY329	813
LADIE'S MILE, LLC	43 WEST 23RD STREET	SSE 1/8 - 1/4 (0.179 mi.)	AQ331	816
28 WEST 26TH STREET	28 WEST 26TH STREET	E 1/8 - 1/4 (0.180 mi.)	AY336	834
28 WEST 25TH STREET ASSOCITES,	***28 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.180 mi.)***	***BB338***	***837***
23RD STREET PROPERTIES LLC	28-40 WEST 23RD STREET	SSE 1/8 - 1/4 (0.181 mi.)	340	842
40 WEST 22ND ST TENANTS CO OP	***40 WEST 22ND ST***	***S 1/8 - 1/4 (0.182 mi.)***	***BD347***	***873***
GROFF STUDIOS CORP	151 W 28TH ST	N 1/8 - 1/4 (0.183 mi.)	AR351	879
27 WEST 24TH STREET	27 WEST 24TH STREET	SE 1/8 - 1/4 (0.184 mi.)	BE356	893
MIDWAY HILL LAUNDRY CLEANERS	27 W 24 ST	SE 1/8 - 1/4 (0.184 mi.)	BE357	895
SENTON HOTEL	***39-41 WEST 27TH ST***	***E 1/8 - 1/4 (0.184 mi.)***	***AW358***	***897***
26 WEST 27TH ST LLC	26 WEST 27TH ST	E 1/8 - 1/4 (0.186 mi.)	AW364	923
22 WEST 26TH STREET APT. CORP.	***22 WEST 26TH STREET***	***E 1/8 - 1/4 (0.186 mi.)***	***AY366***	***926***
141 W 28TH ST	***141 WEST 28TH ST***	***N 1/8 - 1/4 (0.187 mi.)***	***AR373***	***940***
22-24 WEST 27TH STREET	22-24 WEST 27TH STREET	E 1/8 - 1/4 (0.190 mi.)	AW385	974
12 W 27TH ST	***12 W 27TH ST***	***E 1/8 - 1/4 (0.190 mi.)***	***BI386***	***976***
THE TOWNSEND BUILDING	1123 BROADWAY	ESE 1/8 - 1/4 (0.191 mi.)	BB395	990
MESA REALTY ASSOCIATES, LLC	15 WEST 26TH STREET	E 1/8 - 1/4 (0.192 mi.)	AY398	999
56 WEST 22ND ST	***56 WEST 22ND ST***	***SSE 1/8 - 1/4 (0.192 mi.)***	***BD399***	***1001***
FM RING ASSOCIATES INC.	***19 WEST 24TH ST***	***SE 1/8 - 1/4 (0.192 mi.)***	***BE400***	***1004***
54 WEST 22ND OWNER, LLC.	54 WEST 22ND ST	SSE 1/8 - 1/4 (0.192 mi.)	BD401	1008
METROPOLITAN DESIGN INC	***18 W 27 ST***	***E 1/8 - 1/4 (0.194 mi.)***	***BI408***	***1027***
E S LOWE BUILDING	31 WEST 27TH STREET	E 1/8 - 1/4 (0.196 mi.)	BI410	1046
HOUSTON ASSOC	815 SIXTH AVE	NE 1/8 - 1/4 (0.197 mi.)	BL413	1051
ST. JAMES BUILDING	1133 BROADWAY	ESE 1/8 - 1/4 (0.200 mi.)	BO417	1058
44 WEST 28 PENN PLAZA PROPERTI	44 WEST 28TH STREET	ENE 1/8 - 1/4 (0.202 mi.)	BQ424	1066
W 29 ST OWNERS CORP	116 W 29TH ST	NNE 1/8 - 1/4 (0.203 mi.)	BS431	1087
15 WEST 34TH STREET CORP	15 WEST 24TH ST	SE 1/8 - 1/4 (0.204 mi.)	BE434	1092
146 WEST 29TH STREET	146 WEST 29TH STREET	NNE 1/8 - 1/4 (0.205 mi.)	BT439	1098
KEW MANAGEMENT CORP	***11 WEST 25TH STREET***	***ESE 1/8 - 1/4 (0.205 mi.)***	***BU441***	***1101***
1165 BROADWAY BLDG.	1165 BROADWAY	E 1/8 - 1/4 (0.207 mi.)	BI448	1111
PAUL PROPERTIES INC	***130 W 29TH ST***	***NNE 1/8 - 1/4 (0.211 mi.)***	***BS457***	***1162***
134 WEST 29TH STREET	134 WEST 29TH STREET	NNE 1/8 - 1/4 (0.213 mi.)	BS463	1171
MAY PLAZA ENTERPRISE	1160 BROADWAY	E 1/8 - 1/4 (0.213 mi.)	BZ465	1180
37 WEST 28 STREET	37 WEST 28TH STREET	ENE 1/8 - 1/4 (0.213 mi.)	BQ466	1182
MFM PROPERTIES LLC	135 WEST 29TH STREET	NNE 1/8 - 1/4 (0.213 mi.)	BS468	1189
104 WEST 29TH ST. REALTY CO.	104 WEST 29TH STREET	NE 1/8 - 1/4 (0.214 mi.)	BL474	1214
ELEVEN FIFTEEN ASSOCIATES	1115 BROADWAY	ESE 1/8 - 1/4 (0.214 mi.)	BU477	1217
143 W 29TH	143 WEST 29TH STREET	NNE 1/8 - 1/4 (0.215 mi.)	CC479	1221
129 W 29 ST	129 WEST 29TH STREET	NNE 1/8 - 1/4 (0.215 mi.)	CC481	1223
115 WEST 29TH ST OWNERS CORP	115 WEST 29TH STREET	NE 1/8 - 1/4 (0.216 mi.)	CA492	1242
3-7 W 22ND ST	***3-7 W 22ND ST***	***SSE 1/8 - 1/4 (0.216 mi.)***	***CD495***	***1249***
158-160 WEST 29TH STREET	158-160 WEST 29TH STREE	NNE 1/8 - 1/4 (0.218 mi.)	BT507	1269
APT BUILDING	***208 5TH AVENUE***	***ESE 1/8 - 1/4 (0.221 mi.)***	***CG513***	***1281***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
54 WEST 21 STREET	***54 WEST 21 STREET***	***S 1/8 - 1/4 (0.222 mi.)***	***CH517***	***1288***
THE TOY CENTER NORTH	***1107 BROADWAY***	***ESE 1/8 - 1/4 (0.222 mi.)***	***CB525***	***1317***
BOYESS REALTY INC	29 WEST 21 STREET	S 1/8 - 1/4 (0.225 mi.)	CH533	1333
F M. RING ASSOCIATES, INC.	***15 W 27 ST***	***E 1/8 - 1/4 (0.225 mi.)***	***CL536***	***1338***
THE TOY CENTER SOUTH	***200 FIFTH AVENUE***	***SE 1/8 - 1/4 (0.230 mi.)***	***CB546***	***1358***
1182-1184 BROADWAY	1182-1184 BROADWAY	ENE 1/8 - 1/4 (0.230 mi.)	CJ547	1363
186 FIFTH LLC.	186 FIFTH AVENUE	SE 1/8 - 1/4 (0.231 mi.)	BX552	1370
230 5TH AVE BUILDING	***230 5TH AVE***	***E 1/8 - 1/4 (0.231 mi.)***	***CL557***	***1378***
1186 BROADWAY	***1186 BROADWAY***	***ENE 1/8 - 1/4 (0.233 mi.)***	***CJ567***	***1394***
842 ENTERPRISE INC	842/844 SIXTH AVENUE	NE 1/8 - 1/4 (0.233 mi.)	CN568	1402
30 WEST 21ST ST	***30 W 21ST ST***	***S 1/8 - 1/4 (0.236 mi.)***	***CH581***	***1437***
12 WEST 23RD STREET	12 WEST 23RD ST.	SSE 1/8 - 1/4 (0.236 mi.)	CS582	1441
45 WEST 21ST STREET	***45 WEST 21ST STREET***	***S 1/8 - 1/4 (0.239 mi.)***	***CU591***	***1471***
39 W 29TH ST	***39 W 29TH ST***	***NE 1/8 - 1/4 (0.240 mi.)***	***CQ595***	***1482***
20 WEST 22ND STREET	20 WEST 22ND STREET	SSE 1/8 - 1/4 (0.243 mi.)	602	1493
KEW MANAGEMENT CORP	***40 WEST 29TH STREET***	***ENE 1/8 - 1/4 (0.244 mi.)***	***CY605***	***1498***
114-120 WEST 30TH STREET	114-120 WEST 30TH STREE	NNE 1/8 - 1/4 (0.245 mi.)	DA609	1511
GAM REALTY	18 WEST 21ST STREET	S 1/8 - 1/4 (0.246 mi.)	CU611	1514
FM RING ASSOCIATES, INC.	212 FIFTH AVENUE	ESE 1/8 - 1/4 (0.249 mi.)	DB621	1530

Lower Elevation	Address	Direction / Distance	Map ID	Page
127 WEST 24TH ST.	127 WEST 24TH ST.	SSW 0 - 1/8 (0.032 mi.)	C9	50
BRICK FARMS COOPERATIVE LTD	***131 W 24TH ST***	***SW 0 - 1/8 (0.033 mi.)***	***C11***	***54***
133 W 24TH ST CORP	133 WEST 24TH STREET	SW 0 - 1/8 (0.034 mi.)	C12	58
ALLOFUS TENANTS, INC.	130 WEST 24TH STREET	SW 0 - 1/8 (0.035 mi.)	C13	60
CHELSEA DESIGN CENTER	146-150 WEST 25TH STREE	NW 0 - 1/8 (0.037 mi.)	B18	72
KENT REALTY CORP	***134-136 W 25TH ST***	***NW 0 - 1/8 (0.038 mi.)***	***B20***	***77***
136 LOFT CORP	136 WEST 24TH STREET	WSW 0 - 1/8 (0.038 mi.)	C21	80
151 WEST 25TH STREET	151 WEST 25TH STREET	NW 0 - 1/8 (0.044 mi.)	B24	88
FM RING ASSOC., INC.	***142 W 24TH ST***	***WSW 0 - 1/8 (0.044 mi.)***	***F30***	***96***
152 WEST 25TH STREET	152 WEST 25TH STREET	NW 0 - 1/8 (0.046 mi.)	B35	107
WEST GRAMERCY ASSOCIATES LLC	147 WEST 24TH STREET	WSW 0 - 1/8 (0.046 mi.)	F38	113
SUN K. MIN	149 W 24TH ST	WSW 0 - 1/8 (0.049 mi.)	F40	115
148 W 24TH ST TENANTS CORP	148 W 24TH ST	WSW 0 - 1/8 (0.049 mi.)	F42	125
159 WEST 25TH STREET LLC	159 WEST 25TH STREET	NW 0 - 1/8 (0.056 mi.)	G52	140
119 W. 23 ST. ACQUISITION, LLC	119 WEST 23RD STREET	SSW 0 - 1/8 (0.064 mi.)	J65	180
NELCO SEWING MACHINE SALES	***164 WEST 25TH ST***	***NW 0 - 1/8 (0.065 mi.)***	***G70***	***190***
115 EAST 23RD ST	***115 EAST 23RD ST***	***SSW 0 - 1/8 (0.076 mi.)***	***J90***	***224***
124 WEST 23RD STREET	124 WEST 23RD STREET	SSW 0 - 1/8 (0.084 mi.)	J99	241
136/140 W 23RD STREET	136/140 WEST 23RD STREE	SW 0 - 1/8 (0.085 mi.)	J100	243
MAJESTIC RAYON CORP/CUDGE REAL	116 WEST 23RD STREET	SSW 0 - 1/8 (0.087 mi.)	109	256
165 W 26TH ST ASSOC	***165 W 26TH ST***	***NNW 0 - 1/8 (0.092 mi.)***	***O112***	***269***
F M RING ASSOC, INC	***155 W 23 ST***	***WSW 0 - 1/8 (0.092 mi.)***	***N113***	***273***
177 W 26TH REALTY CORP	***177 WEST 26TH ST***	***NNW 0 - 1/8 (0.106 mi.)***	***O139***	***317***
THE CHELSEA MERCANTILE	252 SEVENTH AVENUE	WNW 0 - 1/8 (0.117 mi.)	W167	393
148 W 23RD ST	***148 W 23RD ST***	***WSW 0 - 1/8 (0.123 mi.)***	***AA189***	***433***
F M RING ASSOCIATES,INC	245- 7TH AVE	WNW 1/8 - 1/4 (0.126 mi.)	W202	456
275 7TH AVENUE	275 SEVENTH AVENUE	NW 1/8 - 1/4 (0.129 mi.)	AC210	472
238-240 7TH AVENUE CORP.	200 WEST 24TH STREET	WNW 1/8 - 1/4 (0.133 mi.)	W217	493
158 WEST 27TH ST	***158 WEST 27TH ST***	***NNW 1/8 - 1/4 (0.134 mi.)***	***218***	***495***
ARRADCO LTD.	***207 W 25TH ST***	***NW 1/8 - 1/4 (0.134 mi.)***	***AC220***	***501***
TOP OF THE LOFTS, INC.	129 WEST 22ND STREET	SSW 1/8 - 1/4 (0.136 mi.)	AE225	510
126 WEST 22ND STREET CONDOMINI	126 WEST 22ND STREET	SSW 1/8 - 1/4 (0.138 mi.)	AE231	528
118 W 22ND ST	118 WEST 22ND STREET	SSW 1/8 - 1/4 (0.139 mi.)	AE233	531
FLORENCIA PROPERTIES N.V. INC.	145 W. 22ND ST.	SW 1/8 - 1/4 (0.140 mi.)	AF235	535

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
HEXAGON ASSOCIATES	***140-144 WEST 22ND STREE***	***SW 1/8 - 1/4 (0.140 mi.)***	***AE240***	***563***
147 WEST 22ND ST. CORP.	147 WEST 22ND STREET	SW 1/8 - 1/4 (0.140 mi.)	AF243	570
150 WEST 22ND ST	***150 WEST 22ND ST***	***SW 1/8 - 1/4 (0.144 mi.)***	***AF252***	***600***
ST FRANCIS RESIDENCE II	***155 WEST 22ND ST***	***SW 1/8 - 1/4 (0.144 mi.)***	***AF253***	***604***
VAN ALEN INSTITUTE	28-30 WEST 22ND STREET	SSW 1/8 - 1/4 (0.144 mi.)	AG256	609
201 W 26 L.L.C./200-220 WEST 2	200 WEST 26TH STREET	NW 1/8 - 1/4 (0.145 mi.)	AD259	614
291 7TH AVENUE CONDOMINIUM	291 SEVENTH AVENUE	NNW 1/8 - 1/4 (0.153 mi.)	AO276	687
166 W. 22 ST. OWNERS CORP.	166 WEST 22ND STREET	SW 1/8 - 1/4 (0.153 mi.)	281	701
MUHLENBERG BRANCH LIBRARY	209 WEST 23RD STREET	W 1/8 - 1/4 (0.164 mi.)	AM295	742
JSB REALTY CO	***208 WEST 23RD ST***	***W 1/8 - 1/4 (0.165 mi.)***	***AM297***	***747***
225-25 HOUSING CORP.	225 WEST 25TH STREET	NW 1/8 - 1/4 (0.169 mi.)	AT311	773
24TH STREET HOLDING COMPANY	***228-232 WEST 24 ST (230***	***WNW 1/8 - 1/4 (0.175 mi.)***	***AV319***	***790***
CHELSEA TELEVISION STUDIOS/ALL	221 WEST 26TH STREET	NW 1/8 - 1/4 (0.176 mi.)	AU320	794
HOTEL CHELSEA,NEW YORK	***216 WEST 23RD STREET***	***W 1/8 - 1/4 (0.176 mi.)***	***AZ324***	***799***
CHELSEA 25 LLC	231 WEST 25TH ST	NW 1/8 - 1/4 (0.179 mi.)	AT332	818
305 7TH AVE	305 SEVENTH AVENUE	NNW 1/8 - 1/4 (0.179 mi.)	BA334	821
226 WEST 26TH ST LLC	226 WEST 26TH STREET	NW 1/8 - 1/4 (0.184 mi.)	AU354	888
SCHOOL OF VISUALS ARTS	133-141 WEST 21 STREET	SSW 1/8 - 1/4 (0.185 mi.)	BC360	903
675 OWNERSHIP, LLC	***675 AVENUE OF THE AMERI***	***SSW 1/8 - 1/4 (0.185 mi.)***	***BF361***	***905***
21 CHELSEA LLC	120 WEST 21ST STREET	SSW 1/8 - 1/4 (0.186 mi.)	BC363	920
2324 REALTY CO	***225 W 23RD ST***	***W 1/8 - 1/4 (0.187 mi.)***	***AZ370***	***931***
SCHOOL OF VISUAL ARTS	132-134 WEST 21ST STREE	SSW 1/8 - 1/4 (0.187 mi.)	BC375	945
SCHOOL OF VISUAL ARTS	136 WEST 21ST STREET	SW 1/8 - 1/4 (0.188 mi.)	BC378	951
WEST GRAMERCY ASSOCIATES LLC	53-55 WEST 21ST STREET	SSW 1/8 - 1/4 (0.190 mi.)	BF384	972
155 WEST 21ST STREET	155 WEST 21ST STREET	SW 1/8 - 1/4 (0.191 mi.)	BH392	985
150 WEST 21ST, LLC	150 WEST 21ST ST	SW 1/8 - 1/4 (0.191 mi.)	BH393	987
48 WEST 21ST ST	48 WEST 21ST ST	SSW 1/8 - 1/4 (0.192 mi.)	BF396	992
203 7TH AVENUE	***203 7TH AVENUE***	***WSW 1/8 - 1/4 (0.193 mi.)***	***BJ402***	***1009***
238 WEST 24TH STREET	238 WEST 24 TH ST.	WNW 1/8 - 1/4 (0.194 mi.)	AV407	1025
NORTHSIDE REALTY CORP.	162 WEST 21ST STREET	SW 1/8 - 1/4 (0.196 mi.)	412	1048
315 SEVENTH AVE CONDOMINIUM	315 SEVENTH AVENUE	N 1/8 - 1/4 (0.199 mi.)	BN416	1056
212 W 22 ST BLDG	***212 W 22 ST***	***WSW 1/8 - 1/4 (0.203 mi.)***	***BR429***	***1083***
23RD ST LOFT CORPORATION	241 WEST 23RD ST	W 1/8 - 1/4 (0.211 mi.)	BW455	1160
HAG REALTY LLC	250 WEST 26TH ST.	NW 1/8 - 1/4 (0.211 mi.)	BK458	1165
CHELSEA GARDENS	***250 WEST 24TH ST***	***WNW 1/8 - 1/4 (0.213 mi.)***	***BY464***	***1173***
CHELSEA HOTEL	222 WEST 23RD STREET	W 1/8 - 1/4 (0.215 mi.)	BW487	1232
THE JEANNE D'ARC HOME	***253 WEST 24TH ST***	***WNW 1/8 - 1/4 (0.216 mi.)***	***BY490***	***1235***
CHELSEA PARTNERS	251 WEST 26TH STREET	NW 1/8 - 1/4 (0.216 mi.)	BK493	1245
CHELSEA PARTNERS I, LLC	247-249 WEST 26 ST.	NW 1/8 - 1/4 (0.216 mi.)	BK494	1247
191 SEVENTH AVENUE CORP	***191 SEVENTH AVENUE***	***WSW 1/8 - 1/4 (0.217 mi.)***	***CE500***	***1260***
WEST 25TH STREET OWNERS, INC.	254 WEST 25TH STREET #6	WNW 1/8 - 1/4 (0.217 mi.)	BV506	1267
236 WEST 27TH STREET	***236 WEST 27TH STREET***	***NNW 1/8 - 1/4 (0.219 mi.)***	***CF509***	***1275***
218 WEST 22ND ST	***218 W 22ND ST***	***WSW 1/8 - 1/4 (0.222 mi.)***	***BR520***	***1295***
330 7TH AVENUE	330 7TH AVENUE	N 1/8 - 1/4 (0.224 mi.)	CI527	1322
OFFICE BUILDING	655 SIXTH AVENUE	SSW 1/8 - 1/4 (0.224 mi.)	CK532	1330
PIERMONT	201 WEST 21ST STREET	WSW 1/8 - 1/4 (0.225 mi.)	CE535	1336
233-53 WEST 22ND ST	233-53 WEST 22ND ST	W 1/8 - 1/4 (0.226 mi.)	CM539	1345
GAY MENS HEALTH CRISIS INC	***129-133 WEST 20TH ST***	***SSW 1/8 - 1/4 (0.231 mi.)***	***CO549***	***1366***
CAPITOL BUILDING LOFT CORP	***236 W 26TH ST***	***NW 1/8 - 1/4 (0.231 mi.)***	***CP555***	***1374***
333 SEVENTH AVENUE	333 7TH AVE.	N 1/8 - 1/4 (0.232 mi.)	CI562	1387
A & G REAL ESTATE	135-141 WEST 20TH STREE	SSW 1/8 - 1/4 (0.232 mi.)	CO563	1389
255 WEST 23RD STREET	***255 WEST 23RD STREET***	***W 1/8 - 1/4 (0.233 mi.)***	***BW571***	***1407***
264-266 W 25 ST	264 WEST 25TH STREET	WNW 1/8 - 1/4 (0.234 mi.)	BV574	1416
ABE HARUVI C/O EJAM HOLDING CO	***245 WEST 25TH ST***	***NW 1/8 - 1/4 (0.234 mi.)***	***CR577***	***1420***
211 WEST 21ST STREET	***211 WEST 21ST STREET***	***WSW 1/8 - 1/4 (0.235 mi.)***	***CE580***	***1434***
210 EQUITIES CORPORATION	***210 WEST 21 STREET***	***WSW 1/8 - 1/4 (0.236 mi.)***	***CE583***	***1443***

APPENDIX 9
Health and Safety Plan

AEI Consultants
Environmental & Engineering Services

HEALTH & SAFETY, INJURY & ILLNESS PREVENTION PLAN (Fuel Sites)

Property Identification:
LAM GEN Redevelopment
112 West 25th Street & 113 West 24th Street
New York, New York 10001

AEI Project No. 343443 & 343444

Prepared for:
Raymond Lam
LAM GEN 25 LLC
135 Grand Street 3rd Floor
New York, New York, 10013

Prepared by:
AEI Consultants
20 Gibson Place, Suite 310
Freehold, NJ 07728
(732) 414-2720

Revised: June 2011

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AEI Consultants

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APPENDICES

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APPENDIX C — *SITE INSPECTION LOG*
APPENDIX D — *HEALTH AND SAFETY BRIEFING/SITE ORIENTATION RECORD/SIGN-IN SHEET*
APPENDIX E — *SUBCONTRACTOR STATEMENT AND UNDERSTANDING*

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1.0 GENERAL INFORMATION

Client/Site Name:	LAM GEN 25 LLC/ LAM GEN Redevelopment		
Site Address:	112 West 25th St & 113 West 24th St New York, New York 10001		
Job/Project #:	343443 & 343444		
Estimated Start Date:	9/28/15	Estimated Completion Date:	10/7/15

Have Necessary Underground Utility Notifications for Subsurface Work Been Made? ☒ Yes ☐ Not Applicable
(Specify clearance dates, USA Ticket #, and other relevant information on the "Site Inspection Log")

2.0 SCOPE OF WORK

Site Description:	Vacant Land in Urban setting & sidewalk in NYC
Specific Tasks Performed by AEI:	Monitoring Well Install and sampling Soil borings with temporary wells Soil Gas Sampling
Concurrent Tasks to be Performed by AEI Subcontractors (List Subs by Name):	Foresight Drillers: Soil boring advancement & Monitoring well install Aquifer Drilling: Monitoring Well install on sidewalk
Concurrent Tasks to be Performed by Others (List Others by Name):	N/A

3.0 ROLES AND RESPONSIBILITIES

AEI PERSONNEL

Name	Project Title/Assigned Role	Phone Numbers
Joe Bernarducci	Project Manager / Site Safety Officer	973-600-8649
	Project Engineer / Site Safety Officer	
	Senior Field Technician	
	Principal Geologist / Vice President	

EMERGENCY CONTACTS [CAL/OSHA 8 CCR 5192(L)]

Emergency Information	Emergency Number	Phone Numbers
New York City Police Department 10th Precinct	911	(212) 741-8211
FDNY Engine 3/Tower Ladder 12/ Battalion 7	911	
(Bellevue Hospital Center) 462 1st Avenue New York New York 10016	911 (map attached on next page)	(212) 562-4141
Joe Bernarducci	Project Manager / Site Safety Officer	(973) 600-8649
Location of Nearest Phone & First Aid:	Mobile cellular telephone in the Site Safety Officer's work vehicle	

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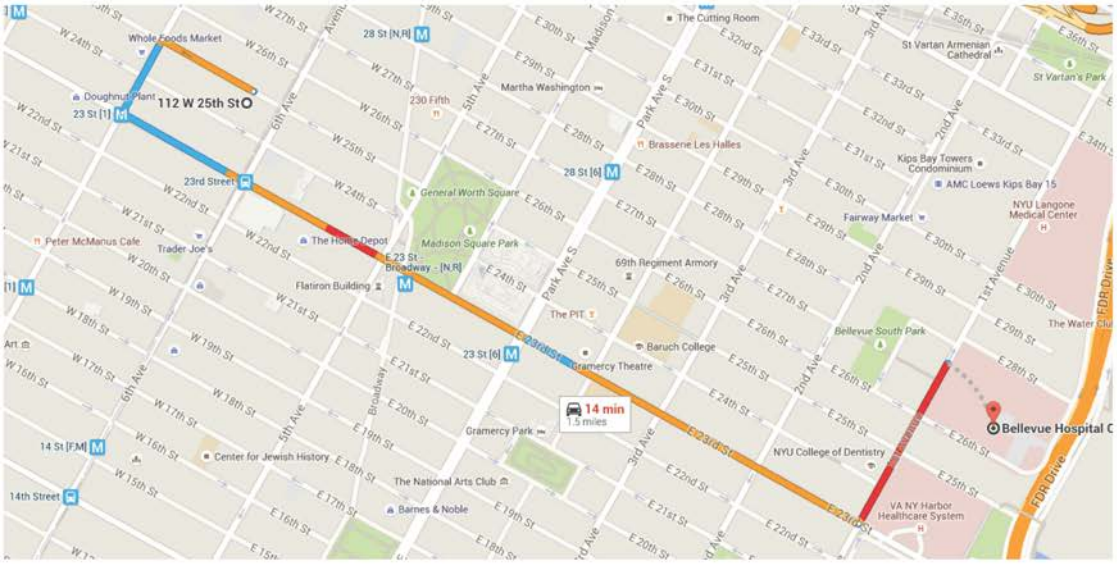
4.0 DIRECTIONS TO THE NEAREST EMERGENCY DEPARTMENT

Google

Drive 1.5 miles, 14 min

Directions from 112 W 25th St to Bellevue Hospital Center



112 W 25th St

New York, NY 10001

1. Head **northwest** on **W 25th St** toward **7th Ave** — 0.1 mi
2. Turn **left** at the 1st cross street onto **7th Ave** — 0.1 mi
3. Turn **left** at the 2nd cross street onto **W 23rd St** — 1.0 mi
4. Turn **left** onto **1st Avenue** — 0.2 mi

   Destination will be on the right

Bellevue Hospital Center

462 1st Avenue, New York, NY 10016

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data ©2015 Google

5.0 EMERGENCY PROCEDURES [CAL/OSHA 8 CCR 5192(L)]

If an emergency arises, the on-site personnel should contact the EMT by dialing 911. Emergency communications at the site will be by means of a cellular radio and/or telephone. All work in the project area should stop and the work area should be secured, to the extent possible. The following general procedures will be followed in the case of a medical emergency at the site:

Skin Contact - Skin exposure should be treated by rinsing with soap and water. All contaminated clothing must be removed.

Eye Contact - Eye contact with chemicals should be treated by rinsing the eye with solution or water for at least 15 minutes. If symptoms persist, medical attention should be sought as soon as possible.

Ingestion - Seek immediate medical attention. Refer to MSDS.

Inhalation—Any warning symptoms such as headache, dizziness, nausea, shortness of breath, etc. necessitate that the victim leave the immediate site area rapidly. If the victim stops breathing, assisting personnel should don breathing protection while removing them from the area. Persons trained in CPR should immediately begin initiated, while medical attention should be obtained as soon as possible.

In case of evacuation, all vehicles/equipment should be turned off and personnel should immediately leave the work area. Personnel should move to the specified meeting area located upwind of the affected area, such as the building exterior, site field office, property boundary, or other predestinated location, where all personnel will be accounted for.

IF AN EMERGENCY ARISES, THE DESIGNATED MEETING LOCATION FOR THIS PROJECT IS IMMEDIATELY IN FRONT OF THE BUILDING ON THE SUBJECT PROPERTY.

This location is located upwind of the drilling activities, but is subject to change if prevailing weather conditions alter typical wind direction.

Personnel should not re-enter the work area following evacuation until all of the following conditions have been met:

1) The condition causing the emergency has been corrected.

2) All hazards have been assessed.

3) The HASP has been reviewed.

4) Personnel have been oriented on any changes in the HASP.

All emergencies should be promptly reported to the SSO.

- **Site Supervisors and Project Managers (SS/PM)**: Responsibility for compliance with AEI Health and Safety programs, policies, procedures and applicable laws and regulations is shared by all AEI management and supervisory personnel. This includes the need for effective oversight and supervision of project staff necessary to control the Health and Safety aspects of AEI on-site activities.

- **Site Safety Officers and Competent Persons (SSO):** The Site Safety Officer (SSO), as defined by OSHA 1926.20(b), is the individual "who is capable of identifying existing and predictable hazards in surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them." The SSO is designated on a site-by-site basis based on the site conditions, scope-of-work, and the individual's ability to recognize site-specific hazards and take appropriate corrective actions. This individual is responsible to both project management and the designated Office Health and Safety Officer (HSO) with regard to the completion of these assigned duties.

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- **Staff:** Ultimate control of Health Safety is in the hands of each individual employee. Therefore, each employee must become familiar with and comply with all Health and Safety requirements associated with their position and daily operations. Employees also have the responsibility to notify the appropriate management, SSO, and/or HSO of unsafe conditions and accidents/injuries immediately. When employees are issued respirators or any other personal protective equipment (PPE), they are responsible for ensuring that said items are used properly, cleaned as required and maintained in good working order.

- **(Sub) contractors:** (Sub) contractors should develop their own site safety plan related to their specific on-site activities. Subcontractors may use AEI's plan as an informational model. However, each Subcontractor is responsible for determining the plan's adequacy and applicability to its own activities on site. Subcontractors wishing to do so must deliver their plan in clear written form to AEI prior to the initiation of on-site activities.

6.0 PLAN ACKNOWLEDGEMENT AND APPROVALS

Approval or Acknowledgement	SSO SS/PM	HSO
Probable hazards identified on form.	X	X
Project scope accurately reflected on form.	X	
Appropriate emergency response info identified on form.	X	X
Appropriate control measures identified on form.	X	X
Hazards and control measures to be implemented on site acknowledged.	X	
Overall project scope and health and safety requirements acknowledged.	X	

7.0 SITE CONTROL MEASURES

Joe Bernarducci has been designated to coordinate access control and security on site. All work will strictly follow OSHA guidelines and HAWOPER regulations. There will be a 10-foot boundary surrounding the work area. The boundaries are identified by orange safety cones and/or "yellow" caution or red "danger" tape. The area within this boundary is considered an exclusion zone and only qualified personnel will be allowed to enter. All personnel arriving or departing the site should log in before entering the exclusion zone. All activities on site must be cleared through the Site Manager. Additional hazards on site include heavy equipment and overhead equipment. Only 40-hour HAWOPER trained personnel will operate equipment or perform any duties associated with this project. A hard hat and steel toed boots are mandatory for all personnel associated with the drilling operation. Nitrile gloves will be worn at all times and changed periodically (as required) during boring logging, soil and groundwater sample collection and decontamination to reduce the risk of dermal exposure.

A GENERAL PURPOSE FIRST AID KIT WILL BE AVAILABLE ONSITE. EMERGENCY SERVICES ARE AVAILABLE BY DIALING **911** ON THE TELEPHONE LOCATED IN THE SITE MANAGER'S VEHICLE, WHICH WILL BE ONSITE AT ALL TIMES.

8.0 DOCUMENTATION TO BE COMPLETED ON SITE

- A **Site Inspection Log** must be completed at the initiation of on-site activities and at least once per week thereafter until the completion of AEI on-site activities.

- A **Site Health and Safety Briefing** or "Tailgate Safety Meeting" must be completed at the initiation of on-site activities and at the beginning of site activities each day thereafter until the completion of AEI on-site activities. (Note: The actual briefing may be conducted off-site, in the office for example, if conditions preclude or render impractical its completion on site.) The corresponding **Site Orientation Record** should be completed at the initiation of on-site activities and once per week thereafter.

- The AEI Incident Investigation Form (OSHA Form 301) and the Subcontractor's Statement of Understanding Regarding Health and Safety Responsibilities Form are to be completed on an as needed basis.

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9.0 PPE AND SITE CONTROLS [CAL/OSHA 8 CCR 5192(D) AND (G)(5)]

Based on an evaluation of the suspected and known hazards at the site, Level D personal protective equipment (PPE) will be required for all personnel and visitors entering the controlled portion of the site. Protective equipment for each level of protection is summarized below. Both Level C and D PPE should be available on-site at all times during all phases of the project, as conditions may change and require additional PPE. Work should be conducted in Level D as long as breathing zone vapor concentrations remain at background or below 10 ppm, no breathing protection will be required. Engineering controls, such as forced air ventilation, will be used when feasible to reduce respiratory hazards. If on-site personnel find that breathing zone concentrations exceed 10 ppm, then the SSO or PM will make a determination if work shall continue in Level C PPE.

At this time, all work in the affected area should be suspended until a decision is made. Implementation of Level C PPE will be required if work continues during elevated breathing zone concentrations. Donning and use of respirators shall be performed in accordance with manufacturer specifications. Replacement of respirator cartridges shall be performed in accordance with manufacturer specifications. All respirators and cartridges shall be stored in air tight bags while not in use.

Personal Protective Equipment - Level D	**Personal Protective Equipment - Level C**
☒ Hearing Protection (as needed near loud equipment) ☒ Hardhat ☒ Outer Gloves Type: Kevlar or Leather (as needed) ☐ Inner Gloves Type: ☒ Steel Toe Boots: ☐ Coveralls Type: ☐ Outer Boots Type: ☒ Eye Protection: Safety Glasses ☐ Others:	☒ Respirator Type: Full-Face Air Purifying Respirator ☒ Cartridge Type: Organic Vapor w/ P100 ☐ Assigned Protection Factor: 50 ☐ Others:
Monitoring Equipment[1]	**Other Equipment & Gear[2]**
☒ PID Type: RAE Systems ppbRAE 3000 or MiniRAE Lite ☐ PID Lamp Energy: 10.6 eV ☐ Calibration Gas: Isobutylene 10 ppmv / 100 ppmv ☐ FID Type: ☐ LEL/O_2 Meter ☐ Others:	☒ 10-lb ABC Fire Extinguisher ☒ "Caution" and "Danger" Tape ☒ Traffic Cones or Delineators ☒ Warning Signs or Placards ☒ Decontamination Equipment ☒ First Aid Kit ☐ Others:

Notes:

1. All direct reading instruments should be calibrated onsite once per day using the appropriate calibration gas standards and in accordance with the manufacturer's instructions.

2. A 10-foot work zone / exclusion zone is required wherever available to control access to heavy equipment and/or hazardous exposure situations. Only authorized persons will be allowed to enter work zone / exclusion zone.

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10.0 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS

Chemical Name (CAS #)	Molecular Weight[1]	Vapor Pressure (mm-Hg)[1]	Ionization Potential (eV)[1]	OSHA PEL (ppmv)[1]	Cal-OSHA PEL (ppmv)	NIOSH REL (ppmv)[1]	ACGIH TLV (ppmv)
Benzene* (71-43-2)	78.1	75	9.24	TWA 1ppm STEL 5ppm	0.0004-0.0015ppm	TWA 0.1ppm STEL 1ppm	TWA 0.5ppm STEL 2.5ppm
Toluene (108-88-3)	92.1	21	8.82	TWA 200ppm C 300ppm	0.19ppm	TWA 100ppm STEL 150ppm	TWA 20ppm
Ethylbenzene (100-41-4)	104.2	5	8.40	TWA 100ppm C 200ppm	TWA 100ppm	TWA 100ppm STEL 125ppm	TWA 100ppm STEL 125ppm
o-Xylene (95-47-6)	106.2	7	8.56	TWA 100ppm	TWA 100ppm	TWA 100ppm STEL 150ppm	TWA 100ppm STEL 150ppm
m-Xylene (108-38-3)	106.2	9	8.56	TWA 100ppm	TWA 100ppm	TWA 100ppm STEL 150ppm	TWA 100ppm STEL 150ppm
p-Xylene (106-42-3)	106.2	9	8.44	TWA 100ppm	TWA 100ppm	TWA 100ppm STEL 150ppm	TWA 100ppm STEL 150ppm
Gasoline (8006-61-9)	110	38 - 300	---	---	500ppm (15-minutes)	TWA 300ppm STEL 500ppm	TWA 300ppm STEL 500ppm
Diesel (Not Applicable)	---	---	---	---	--	---	TWA 15ppm (vapor)
Waste Oil (Not Applicable)	---	---	---	---	---	---	TWA 5 mg/m3 (fumes)
Lead* (7439-92-1)	207.2	0	---	TWA 0.05 mg/m3	TWA 50 µg/m3	TWA 0.05 mg/m3	TWA 0.05 mg/m3

1) Source: National Institute for Occupational Safety and Health (NIOSH), 2004. "NIOSH Pocket Guide to Chemical Hazards", February 2004.

PEL = permissible exposure limit REL = recommended exposure limit TLV = threshold limit value

C = ceiling concentration TWA = time-weighted average STEL = short-term exposure limit

^NIOSH recommendation is to "minimize workplace exposure concentrations" (see Appendix A of the NIOSH Pocket Guide to Chemical Hazards).

*** Asterisk indicates that the chemical is known to the State of California to cause cancer per the Proposition 65 list of chemicals and the Safe Drinking Water and Toxic Enforcement Act of 1986 (*revised December 2, 2005*)**

Atmospheric vapor concentrations will be monitored via a photo-ionization detector (PID) with lamp energy appropriate for the contaminants of interest or equivalent to determine appropriate action levels. The PID will be calibrated daily by AEI personnel prior to use. Calibration will be performed in accordance with the manufacturer

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specifications and recorded in a log book kept with the instrument. Ambient breathing space measurements should be collected every 5 to 15 minutes (minimum) during drilling and other field activities.

11.0 DECONTAMINATION PROCEDURES [CAL/OSHA 8 CCR 5192(K)]

All down-hole soil, soil vapor, and groundwater sampling equipment (e.g., split spoons, hand augers, probe rods, discrete samplers, etc.), hand tools, purge pumps, water level indicators, etc. will be decontaminated before, between, and after use with Alconox or an equivalent phosphate-free detergent solution to reduce the risk of cross-contamination.

Decontamination of all sampling equipment will consist of submerging the equipment in a detergent solution bath and scrubbing it with dedicated brushes. The equipment will then be placed in a rinse bath and agitated. A second rinse bath will be used as needed.

12.0 EMPLOYEE TRAINING [CAL/OSHA 8 CCR 5192(E)]

All personnel working onsite must have had at a minimum the required 24 or 40-hour OSHA training for HAZWOPER with current annual 8-hour refresher, which includes the use of respirators and PPE. Annual individualized respirator fit testing is required for all applicable AEI employees working at the site.

During the daily Site Health and Safety Briefing or "Tailgate Safety Meeting", at a minimum the following should be discussed:

1) Scope of work, including personnel project responsibilities.

2) A description of the levels of personal protection at the site and the steps taken to select each level.

3) Emergency procedures. Identify Emergency gathering location.

4) Nature of the known or anticipated hazards, including the location of the Material Safety Data Sheets (MSDS) for the chemicals at the site.

5) Review safe work practices and identify any prohibited or forbidden practices.

6) Permissible smoking location. (aware of city/local ordinances for smoking)

Attendance at the Site Health and Safety Briefing or "Tailgate Safety Meeting" will be mandatory and all personnel coming on-site following the initial daily meeting will be subject to their own Site Health and Safety Briefing prior to entering the site. All personnel will be required to sign the Health and Safety Briefing/Site Orientation Record to signify understanding and adherence to AEI's HASP.

13.0 SITE HAZARD ASSESSMENT

(☒ = Applies, or required item(s) available. ☐ = Not Applicable.)

HAZARD ASSESSMENT: PHYSICAL HAZARDS AND RELATED CONCERNS [CAL/OSHA 8 CCR 5192]

☐ **Confined Space Entry (CSE)**. Confined space entry means the *potentially hazardous* entry into any space which, by design, has limited openings for entry and exit, unfavorable natural ventilation which could contain or produce dangerous air contaminants, and which is not intended for continuous employee occupancy. Confined spaces include but are not limited to storage tanks, compartments of ships, process vessels, pits, silos, vats, degreasers, reaction vessels, boilers, ventilation and exhaust ducts, sewers, tunnels, underground utility vaults, and pipelines. Other environments which must be treated as confined spaces include *test pits, and basements, garages, warehouses and other indoor areas where mechanical (i.e., diesel, propane, gasoline or similarly powered) equipment must be operated for drilling or test pitting purposes*. Confined space entry should be allowed only when absolutely necessary, and then only when all requirements of AEI's Confined Space Entry Control Program, and/or CSE Program Supplement for Indoor Drilling (and Similar Operations) and/or Trench and Excavation

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Safety and Health Guide (and CSE Program Supplement), contained in the Health and Safety Program Manual, have been satisfied.

☒ **Construction Hazards, Drill Rigs, Backhoes, etc.** The use of drill rigs, backhoes and other heavy equipment represent potentially serious construction hazards. Whenever such equipment is used, personnel in the vicinity should be limited to those who must be there to complete their assigned duties. All personnel must avoid standing within the turning radius of the equipment or below any suspended load. Job sites must be kept as clean, orderly and sanitary as possible. When water is used, care must be taken to avoid creating muddy or slippery conditions.

Never turn your back to operating machinery. Never wear loose clothing jewelry, hair or other personal items around rotating equipment or other equipment that could may catch or ensnare loose clothing, jewelry, hair or other personal items. Always stand far enough away from operating machinery to prevent accident contact which may result from mechanical or human error.

Additionally, the following basic personal protective measures must be observed: **Hardhats** must be worn to protect against bumps or falling objects. **Safety glasses** must be worn when necessary to protect against chemicals or other hazards. **Steel-toed safety shoes or boots** are also required. The shoes must be chemically resistant or protected with appropriately selected boots/coverings where necessary. Unless otherwise specified, normal **work clothes** must be worn. Gloves are also required whenever necessary to protect against hazardous contact, cuts, abrasions or other possible skin hazards.

☐ **Drums and Buried Drums**. As a precautionary measure, personnel must assume that *labeled* and *unlabeled drums* encountered during field activities contain hazardous materials until their contents can be confirmed and characterized. Personnel should recognize that drums are frequently mislabeled, particularly drums that are reused.

Only trained and authorized personnel should be allowed to perform drum handling. Prior to any handling, drums must be visually inspected to gain as much information as possible about their contents. Trained field personnel must look for signs of deterioration such as corrosion, rust or leaks, and for signs that the drum is under pressure such as swelling or bulging. Drum-type and drumhead configuration may provide the observer with information about the type of material inside, (i.e., a removable lid is designed to contain solids, while the presence of a bung indicates liquid storage).

Although not usually anticipated, buried drums can be encountered when digging test pits. Therefore, the following provisions must be observed if drums are encountered. Machine excavation (i.e., backhoe) should cease immediately anytime a drum is encountered. The appropriate management personnel should be notified immediately. All AEI personnel should be instructed to immediately leave the work area.

☒ **Fire and Explosion**. The possibility of flammable materials being encountered during field activities must be recognized and the appropriate steps necessary to minimize fire and explosion must be observed. This includes situations where *excessive organic vapors or free product* are encountered. When this occurs, monitoring with a combustible gas indicator (CGI), is required.

Excessive organic vapors, for the purposes of initiating the use of a CGI, are defined as sustained readings (i.e., continuous for at least five minutes) at or above 250 units or as an instantaneous reading at or above 1,000 units on the PID or FID, in close proximity (within 1 foot or less) of the borehole, test pit, sampling location or other area of potential exposure.

In situations where hexane, methanol are needed for field activities, the following precautions must be observed: keep flammable and combustible materials away from heat, sparks and open flames; do not smoke around flammable or combustible materials; and keep all flammable and combustible liquids in approved and properly labeled safety containers.

☐ **Landfill/Methane Hazards**. Fire and explosion should be regarded as one of, if not the, most significant potential hazards associated with drilling operations and other intrusive work conducted at a landfill. Accordingly, all sources of ignition must be fully controlled. Failure to control ignition sources could result in fire, explosion and pose a serious threat to life and health. Control methods may include forced ventilation and/or filling the borehole with enough water to inhibit the release of methane and other gases which would otherwise escape through the top of the borehole.

If forced (mechanical) ventilation is to be used, all such equipment must be approved for Class I, Division I hazardous atmospheres. The blower must be positioned to blow across the top of the borehole so that gases and vapors may be diluted as they exit the borehole. Do not attempt to suck out the gases or vapors. Blowers, all other mechanical equipment, and tools which could release sparks or static electricity must be bonded and grounded.

Regardless of the gas/vapor control method used, the atmosphere surrounding the borehole must be frequently monitored using direct reading instruments approved for Class I, Division I hazardous atmospheres. Monitoring should be conducted within 1 to 2 feet of the top of the borehole. Do not insert sampling devices into the borehole. Never approach the auger or drill shaft while it is in operation.

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Regardless of actual instrument readings, if all sources of ignition can not be controlled, operations should be immediately shut down if readings equal or exceed 10% of LEL and the area evacuated until ignition sources have been eliminated. Ignition sources include, but are not limited to: smoking, static electricity, lighting, open flames, spontaneously ignitable substances, frictional heat or sparks, hot surfaces, radiant heat, electrical sparks, stray currents, cutting and welding, and ovens, furnaces and heating equipment.

☒ **Heat and Cold Stress**. Overexposure to temperature extremes can represent significant risks to personnel if simple precautions are not observed. Typical control measures designed to prevent **heat stress** include dressing properly, drinking plenty of the right fluids, and establishing an appropriate work/break regimen. Typical control measures designed to prevent **cold stress** also include dressing properly, and establishing an appropriate work/break regimen.

☒ **Moving Vehicles, Traffic Safety**. All vehicular traffic routes which could impact worker safety must be identified and communicated. Whenever necessary, barriers or other methods must be established to prevent injury from moving vehicles. This is particularly important when field activities are conducted in parking lots, driveways, ramps or roadways

☒ **Noise**. Noise exposure can be affected by many factors including the number and types of noise sources (continuous vs. intermittent or impact), and the proximity to noise intensifying structures such walls or building which cause noise to bounce back or echo. The single most important factor effecting total noise exposure is distance from the source. The closer one is to the source the louder the noise. The operation of a drill rig, backhoe or other mechanical equipment can be sources of significant noise exposure. In order to reduce the exposure to this noise, personnel working in areas of excessive noise must use hearing protectors (ear plugs or ear muffs).

Rule-of-Thumb: Wherever actual data from sound level meters or noise dosimeters is unavailable and it is necessary to raise one's voice above a normal conversational level to communicate with others within 3 to 5 feet away, hearing protection should be worn.

☐ **Overhead Utilities and Hazards**. Overhead hazards can include low hanging structures which can cause injury due to bumping into them. Other overhead hazards include *falling objects, suspended loads, swinging loads and rotating equipment*. Hardhats must be worn by personnel in areas were these types of physical hazards may be encountered. Barriers or other methods must also be used to exclude personnel from these areas were appropriate. Electrical wires are another significant overhead hazard. According to OSHA (29 CFR 1926.550), *the minimum clearance which must be maintained from overhead electrical wires is 10 feet* from an electrical source rated $\leq$ 50 kV. Sources rated > 50 kV require a minimum clearance of 10 feet plus 0.4 inch per kV above 50 kV.

☒ **Pedestrian Traffic**. The uncontrolled presence of pedestrians on a drilling or excavation site can be hazardous to both pedestrians and site workers. The site should be surveyed to determine if, when and where pedestrian may gain access. This includes walkways, parking lots, gates and doorways. Barriers or caution tape should be used to exclude all pedestrian traffic. *Exclusion of pedestrian traffic is intended to prevent injury to the pedestrians and eliminate distractions which could cause injury to AEI personnel or other site workers.*

☐ **Test Pit and/or other Excavations**. All provisions of the OSHA trenching and excavation standard (29 CFR 1926.650-652) must be followed during excavation activities. This includes *all test pit excavation and sampling activities*. The estimated location of utility installations, such as sewer, telephone, electric, water lines and other underground installations that may reasonably be expected to be encountered during excavation work, must be determined prior to opening an excavation.

A ladder or similar means of egress must be located in excavations greater than 4 feet in depth so as to require no more than 25 feet of lateral travel for employees. *No person should be allowed to enter an excavation greater than 5 feet in depth unless the walls of the excavation have been protected using an approved shield (trench box), an approved shoring system, or the walls have been sloped back to an angle of 34 degrees, and the excavation is free of accumulated water*. If personnel enter an excavation, the spoils pile and all materials must be placed at least 2 feet from the edge of the excavation to prevent the materials from rolling into the excavation. *Personnel must remain at least 2 feet away from the edge of the excavation at all times*. Upon completion of a test pit exploration, the excavation should be backfilled and graded. Excavation should never be left open unless absolutely necessary, and then only with proper barricading and controls to prevent accidental injury.

☒ **Underground Utilities and Hazards**. The identification of underground storage tanks (USTs), pipes, utilities and other underground hazards is critically important prior to all drilling, excavating and other intrusive activities. In accordance with OSHA 29 CFR 1926.650, *the estimated location of utility installations, such as sewer, telephone, electric, water lines and other underground installations that may reasonably be expected to be encountered* during excavation work, *must be determined* prior to opening an excavation. The same requirements apply to drilling operations and the use of soil-gas probes. Where public utilities may exist, the utility agencies or operators must be contacted directly or through a utility-sponsored service such as *Dig-Safe*. Where other underground hazards may exist, reasonable attempts must be made to identify their locations as well. *Failure to identify underground hazards can lead to fire, explosion, flooding, electrocution or other life threatening accidents.*

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☐ **Water Hazards and Boat Sampling**. The collection of water or sediment samples on or immediately adjacent to a body of water can pose significant hazards. In addition to the slip, trip and fall hazards associated with wet surfaces, the potential for drowning accidents must be recognized. These hazards can be intensified by the use of some PPE, particularly if respiratory protection is worn.

HAZARD ASSESSMENT: CHEMICAL HAZARDS AND RELATED CONCERNS [CAL/OSHA 8 CCR 5192]

☒ **Chemicals Subject to OSHA Hazard Communication**. All chemicals used in field activities such as solvents, reagents, decontamination solutions, or any other hazardous chemical must be accompanied by the required labels, Material Safety Data Sheets (MSDS), and employee training documentation (OSHA 1910.1200). For additional information refer to **AEI's Hazard Communication Program** contained in the Health and Safety Program manual.

☐ **Asbestos**. Disturbance of building materials in buildings built prior to 1980 must be evaluated for the presence of asbestos-containing materials by an accredited AEI inspector. The inspection and/or removal of asbestos-based or asbestos-containing building materials are regulated by some major cities and several states. Regulations require individuals who conduct building inspections for the presence of asbestos or collect samples of asbestos containing materials to be licensed or certified. AEI employees must determine the applicability of these regulations prior to any activities involving asbestos. The primary health effects of asbestos exposure include asbestosis (a scarring of the lungs), lung cancer, mesothelioma and other forms of cancer. Exposure to asbestos is regulated by a comprehensive OSHA standard (29 CFR 1910.1001).

☒ **BTEX Compounds**. Exposure to the vapors of **benzene, ethyl benzene, toluene** and **xylenes** above their respective permissible exposure limits (PELs), as defined by the Occupational Safety and Health Administration (OSHA), may produce irritation of the mucous membranes of the upper respiratory tract, nose and mouth. Overexposure may also result in the depression of the central nervous system. Symptoms of such exposure include drowsiness, headache, fatigue and drunken-like behavior. Benzene has been determined to be carcinogenic, targeting blood-forming organs and bone marrow. The odor threshold for benzene is higher than the PEL and employees may be overexposed to benzene without sensing its presence, therefore, detector tubes must be utilized to evaluate airborne concentrations.

The vapor pressures of these compounds are high enough to generate significant quantities of airborne vapor. On sites where high concentrations of these compounds are present, a potential inhalation hazard to the field team during subsurface investigations can result. However, if the site is open and the anticipated quantities of BTEX contamination are small (i.e., part per million concentrations in the soil or groundwater), overexposure potential will also be small.

☐ **Carbon Monoxide**. Carbon monoxide (CO) is a gas usually formed by the incomplete combustion of various fuels. Welding, cutting and the operation internal combustion engines can produce significant quantities of CO. Amounts of CO can quickly rise to hazardous levels in poorly ventilated areas. CO is odorless and colorless. It cannot be detected without appropriate monitoring equipment. LEL/O_2 meters and H-Nu/PIDs are <u>not</u> appropriate for the detection of CO. A direct reading instrument, calibrated for CO, should be used. Common symptoms of overexposure include pounding of the heart, a dull headache, flashes before the eyes, dizziness, ringing in the ears and nausea. These symptoms must not be relied upon in place of an appropriately calibrated monitoring instrument. Exposures should not exceed 15 ppm. Exposures above 15 ppm require the use of supplied air respirators. Air purifying respirators are not approved for protection against CO.

☐ **Chlorinated Organic Compounds**. Exposure to the vapors of many chlorinated organic compounds such as vinyl chloride, tetrachloroethene, 1,1,1-trichloroethane, trichloroethene and 1,2-dichloroethene above their respective permissible exposure limits (PELs) will result in similar symptoms. The actual PELs as set by the Occupational Safety and Health Administration (OSHA) vary depending on the specific compound.

Overexposure to the vapor of these compounds can cause irritation of the eyes, nose and throat. The liquid, if splashed in the eyes, may cause burning irritation and damage. Repeated or prolonged skin contact with the liquid may cause dermatitis. Acute overexposure to chlorinated hydrocarbons depresses the central nervous system exhibiting such symptoms as drowsiness, dizziness, headache, blurred vision, in-coordination, mental confusion, flushed skin, tremors, nausea, vomiting, fatigue and cardiac arrhythmia. Alcohol may make symptoms of overexposure worse. If alcohol has been consumed, the overexposed worker may become flushed. Some of these compounds are considered to be potential human carcinogens. Exposure to *vinyl chloride* is regulated by a comprehensive OSHA standard (29 CFR 1910.1017).

☐ **Chromium Compounds**. Hexavalent chromium compounds, upon contact with the skin can cause ulceration and possibly an allergic reaction. Inhalation of hexavalent chromium dusts is irritating and corrosive to the mucous membranes of the upper respiratory tract. Chrome ulcers and chrome dermatitis are common occupational health effects from prolonged and repeated exposure to hexavalent chromium compounds. Acute exposures to hexavalent chromium dusts may cause coughing or wheezing, pain on deep inspiration, tearing, inflammation of the conjunctiva, nasal itch and soreness or ulceration of the nasal septum. Certain forms of hexavalent chromium have been found to cause increased respiratory cancer among workers.

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Trivalent chromium compounds (chromic oxide) are generally considered to be of lower toxicity, although dermatitis may occur as a result of direct handling.

☐ **Cutting Oils**. Cutting oils may produce a condition known as "cutting oil acne," a specific dermatosis associated with prolonged and repeated direct contact. Other problems associated with continued occupational exposure to cutting fluids include allergic skin sensitization, folliculitis and squamous cell carcinoma, due to the presence of nitrosamines.

☒ **Fuel Oil**. See Petroleum Hydrocarbons (PHC)

☒ **Gasoline**. See BTEX Compounds, and Tetraethyl and Tetramethyl Lead.

☐ **Herbicides**. Some of the commonly used herbicides present a low toxicity to man. However, other herbicides pose more serious problems. Organophosphorus and carbamate herbicides, if inhaled or ingested can interfere with the functioning of the central nervous system. Many herbicides can be readily absorbed through the skin to cause systemic effects. In addition to being absorbed through the skin, many herbicides, upon contact with the skin, may cause discoloring, skin irritation or dermatitis. Contaminants of commercial preparations of chlorinated phenoxy herbicides such as 2,4,5-T include 2,3,7,8-tetrachlorodibenzo-p-dioxin (dioxin). Dioxin is a known mutagen and a suspect carcinogen.

☐ **Hydrogen Sulfide (H_2S)**. Hydrogen sulfide, characterized by its "rotten egg" odor, is produced by the decomposition of sulfur-containing organic matter. It is found in many of the same areas where methane is found such as landfills, swamps, sewers and sewer treatment facilities. An important characteristic of H_2S is its ability to cause a decrease in ones ability to detect its presence by smell. So although one may no longer be able to smell it, it could still be present in harmful concentrations.

The symptoms of over exposure include headache, dizziness, staggering and nausea. Severe over exposure can cause respiratory failure, coma, and death. The current OSHA PEL is 10 ppm as an 8-hour TWA. The ACGIH TLV is the same.

☐ **Lead Paint**. The inspection and/or removal, sanding, grinding, etc. of lead-based or lead-containing paints is now strictly regulated by OSHA. States may require individuals who conduct lead paint inspections or collect samples of lead paint to be licensed or certified. AEI employees must determine the applicability of these regulations prior to any activities involving lead paint. For additional health information, see Metal Compounds.

☐ **Metal Compounds**. Overexposure to metal compounds has been associated with a variety of local and systemic health hazards, both acute and chronic in nature, with chronic effects being most significant. Direct contact with the dusts of some metal compounds can result in contact or allergic dermatitis. Repeated contact with arsenic compounds may result in hyperpigmentation. Cases of skin cancer due to the trivalent inorganic arsenic compounds have been documented. The moist mucous membranes, particularly the conjunctivae, are most sensitive to the irritating effects of arsenic. Copper particles embedded in the eye result in a pronounced foreign body reaction with a characteristic discoloration of eye tissue.

Inhalation of copper and zinc dusts and fumes above their established PELs may result in flu-like symptoms known as "metal fume fever." Prolonged and repeated inhalation of the dusts of inorganic arsenic compounds above the established PEL may result in weakness, loss of appetite, a sense of heaviness in the stomach and vomiting. Respiratory problems such as cough, hoarseness and chest pain usually precede the gastrointestinal problems. Chronic overexposure to the dusts of inorganic arsenic may result in lung cancer.

The early symptoms of lead poisoning are usually nonspecific. Symptoms include sleep disturbances, decreased physical fitness, headache, decreased appetite and abdominal pains. Chronic overexposure may result in severe colic and severe abdominal cramping. The central nervous system (CNS) may also be adversely effected when lead is either inhaled or ingested in large quantities for extended periods of time. The peripheral nerve is usually affected. "Wrist drop" is peculiar to such CNS damage. Lead has also been characterized as a male and female reproductive toxin as well as a fetotoxin. Exposure to lead (Pb) is regulated by a comprehensive OSHA standard (29 CFR 1910.1025).

☐ **Methane**. Methane is an odorless, colorless, tasteless, gas that cannot be detected by an H-Nu or similar PID. When present in high concentrations in air, methane acts primarily as a simple asphyxiant without other significant physiologic effects. Simple asphyxiants dilute or displace oxygen below that required to maintain blood levels sufficient for normal tissue respiration.

Methane has a lower explosive limit (LEL) of 5 percent and an upper explosive limit (UEL) of 15 percent. The LEL of a substance is the minimum concentration of gas or vapor in air below which the substance will not burn when exposed to a source of ignition. This concentration is expressed in percent by volume. Below this concentration, the mixture is "too lean" to burn or explode. The UEL of a substance is the maximum concentration of gas or vapor in air above which the substance will not burn when exposed to a source of ignition. Above this concentration, the mixture is "too rich" to burn or explode. The explosive range is the range of concentrations between the LEL and UEL where the gas-air mixture will support combustion. For methane this range is 5 to 15 percent.

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☒ **MTBE**. Methyl tertiary butyl ether (MTBE) is a volatile, flammable and colorless liquid that is relatively soluble in water. MTBE has a typical odor reminiscent of diethyl ether, leading to unpleasant taste and odor in water. MTBE is almost exclusively used as a fuel component in motor gasoline. The EPA has concluded that available data are not adequate to estimate potential health risks of MTBE at low exposure levels in drinking water, but that the data support the conclusion that MTBE is a potential human carcinogen at high doses. The ACGIH has recommended an exposure limit of 40 parts of MTBE per million parts of air (40 ppm) for an 8-hour workday, 40-hour workweek.

☐ **Pesticides**. Pesticides can be grouped into three major categories: organophosphates, carbonate and chlorinated hydrocarbons. The actual PELs as set by the OSHA, vary depending on the specific compound. Organophosphates, including Diazinon, Malathion and Parathion, are quickly absorbed into the body by inhalation, ingestion and direct skin contact. The symptoms of exposure include headache, fatigue, dizziness, blurred vision, sweating, cramps, nausea and vomiting. More severe symptoms can include tightness of the chest, muscle spasms, seizures and unconsciousness. It should also be noted that the Malathion and Parathion PELs both carry the *Skin* notation, indicating that these compounds adversely effect or penetrate the skin. OSHA specifies that skin exposure to substances carrying this designation be prevent or reduced through the use of the appropriate PPE.

Chlorinated Hydrocarbons such as Chlordane, DDT and Heptachlor can cause dizziness, nausea, abdominal pain and vomiting. The more severe symptoms include epileptic like seizures, rapid heart beat, coma and death. These compounds also carry the OSHA *Skin* notation. The symptoms of exposure to carbamate such Carbaryl (also known as Sevin) are similar to those described for the organophosphates. However, the OSHA exposure limit for Carbaryl *does not* carry the Skin notation.

☒ **Petroleum Hydrocarbons (PHCs)**. Petroleum Hydrocarbons such as fuel oil are generally considered to be of low toxicity. Recommended airborne exposure limits have not been established for these vapors. However, inhalation of low concentrations of the vapor may cause mucous membrane irritation. Inhalation of high concentrations of the vapor may cause pulmonary edema. Repeated or prolonged direct skin contact with the oil may produce skin irritation as a result of defatting. Protective measures, such as the wearing of chemically resistant gloves, to minimize contact are addressed elsewhere in this plan. Because of the relatively low vapor pressures associated with PHCs, an inhalation hazard in the outdoor environment is not likely.

☐ **Polychlorinated Biphenyls (PCBs)**. Prolonged skin contact with PCBs may cause the formation of comedones, sebaceous cysts, and/or pustules (a condition known as chloracne). PCBs are considered to be suspect carcinogens and may also cause reproductive damage.

The OSHA permissible exposure limits (PELs) for PCBs are as follows:

Compound	*PEL (8-hour time-weighted average)*
Chlorodiphenyl (42% Chlorine)	1 mg/m^3 - Skin
Chlorodiphenyl (54% Chlorine)	0.5 mg/m^3 - Skin

It should be noted that PCBs have extremely low vapor pressures (0.001 mm Hg @ 42% Chlorine and 0.00008 mm Hg @ 54% Chlorine). This makes it unlikely that any significant vapor concentration (i.e., exposures above the OSHA PEL) will be created in the ambient environment. This minimizes the potential for any health hazards to arise due to inhalation unless the source is heated or generates an airborne mist. If generated, vapor or mists above the PEL may cause irritation of the eyes, nose, and throat. The exposure limits noted above are considered low enough to prevent systemic effects but it is not known if these levels will prevent local effects. It should also be noted that both PELs carry the *Skin* notation, indicating that these compounds adversely effect or penetrate the skin. OSHA specifies that skin exposure to substances carrying this designation be prevented or reduced through the use of the appropriate personal protective equipment (PPE).

☒ **Polycyclic Aromatic Hydrocarbons (PAHs)**. Due to the relatively low vapor pressure of PAH compounds, vapor hazards at ambient temperatures are not expected to occur. However, if site conditions are dry, the generation of contaminated dusts may pose a potential inhalation hazard. Therefore dust levels should be controlled with wetting if necessary. Repeated contact with certain PAH compounds has been associated with the development of skin cancer. Contact of PAH compounds with the skin may cause photosensitization of the skin, producing skin burns after subsequent exposure to ultraviolet radiation. Protective measures, such as the wearing of chemically resistant gloves, are appropriate when handling PAH contaminated materials.

☐ **Tetraethyl and Tetramethyl Lead**. Both compounds are used as anti-knock ingredients in gasoline. The inhalation of tetraethyl lead dusts may result in irritation of the respiratory tract. This dust, when in contact with moist skin or eye membranes, may cause itching, burning and transient redness.

The direct absorption of a sufficient quantity of tetraethyl lead, whether briefly at a high rate, or for prolonged periods at a low rate, may cause acute intoxication of the central nervous system. Mild degrees of intoxication may cause headache, anxiety, insomnia, nervous excitation and minor gastrointestinal disturbances.

☒ **Volatile Organic Compounds (VOCs)**. See BTEX compounds and Chlorinated Organic Compounds.

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☒ **Waste Oil**. See Petroleum Hydrocarbons (PHCs) and Cutting Oil.

HAZARD ASSESSMENT: BIOLOGICAL HAZARDS AND RELATED CONCERNS [CAL/OSHA 8 CCR 5192]

☒ **Insects**. Insects represent significant sources (vectors) of disease transmission. Therefore, precautions to avoid or minimize potential contact should be considered prior to all field activities. Disease or harmful effects can be transmitted through bites, stings or through direct contact with insects or through ingestion of foods contaminated by certain insects. Examples of disease transmitted by insect bites include encephalitis and malaria from contaminated mosquitoes, lyme disease and spotted fever from contaminated ticks. Stinging insects, such as bees and wasps, are prevalent throughout the country, particularly during the warmer months. The stings of these insects can be painful, and cause serious allergic reactions to some individuals.

☐ **Lyme Disease**. Lyme disease is an infection caused by the bite of certain ticks, primarily deer, dog and wood ticks. The symptoms of Lyme disease usually start out as a skin rash then progress to more serious symptoms. The more serious symptoms can include lesions, headaches, arthritis and permanent damage to the neurological system. If detected early the disease can be treated successfully with antibiotics. The following steps are recommended for prevention of lyme disease and other diseases transmitted by ticks: a) Beware of tall grass, bushes, woods and other areas where ticks may live; b) Wear good shoes, long pants tucked into socks, a shirt with a snug collar, good cuffs around the wrists and tails tucked into the pants. Insect/tick repellents may also be useful; c) Carefully monitor for the presence of ticks. Carefully inspect clothes and skin when undressing. If a tick is attached to the skin it should be removed with fine tipped tweezers. You should be alert for early symptoms over the next month or so. If you suspect that you have been bitten by a tick you should contact a physician for medical advice.

☐ **Medical Wastes and Bloodborne Diseases**. Any field activity where exposure to medical wastes or other sources of bloodborne pathogens can be reasonably anticipated must be conducted in accordance with the OSHA (29 CFR 1910.1030) *Bloodborne Pathogens* standard. According to the OSHA definition, Bloodborne Pathogens means pathogenic microorganisms that are present in human blood and can cause disease in humans. These pathogens include but are not limited to *hepatitis B virus (HBV) and human immunodeficiency virus (HIV)*. Wherever there is a potential for employee skin, eye, mucous membrane, or parenteral (skin or membrane piercing) contact with blood or other potentially infectious sources, *employers must develop a Written Exposure Control Plan*.

☐ **Poisonous Plants**. The possible presence of poisonous plants should be anticipated for field activities in wooded or heavily vegetated areas. *Poison ivy* is a climbing plant with alternate green to red leaves (arranged in threes) and white berries. *Poison oak* is similar to poison ivy and *sumac* but its leaves are oak-like in form. The leaves of these poisonous plants produce an irritating oil which causes an intensely itching skin rash and characteristic blister-like lesions. Contact with these plants should be avoided.

☒ **Rats, Snakes and Other Vermin**. Certain animals, particularly those that feed on garbage and other wastes, can represent significant sources (vectors) of disease transmission. Therefore, precautions to avoid or minimize potential contact with (biting) animals (such as rats) or animal waste (such as pigeon droppings) should be considered prior to all field activities. Rats, snakes and other wild animals can inflict painful bites. The bites can poisonous (as in the case of some snakes), or disease causing (as in the case of rabid animals). Avoidance of these animals is the best protection.

☐ **Waste Water and Sewage**. Sewage and waste water contaminated with raw, untreated sewage can represent significant sources of bacterial, viral or fungal contamination. Adverse effects, due to contact, can range from mild skin reactions or rashes to life threatening diseases. Diseases are easily transmitted by accidental ingestion or through skin contact, particularly if the skin is broken. Avoidance of direct contact and good personal hygiene are the best protection from these hazards.

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Cal/OSHA Forms
Injury and Illness Incident Report

This *Injury and Illness Incident Report* (Form 301) is one of the first forms you must fill out when a recordable work related injury 929 CFR 1904.7(b)(1) - death, days away from work, restricted work or transfer to another job, medical treatment beyond first aid, loss of conscious, injury or illness diagnosed by a physician or other licensed health professional0 has occurred. Together with accompanying *Annual Summary* (Form 300 and 300A) these forms help the employer and Cal/OSHA develop a picture of the extent and severity of work-related incidents.

Within 7 calendar days after you receive information that a recordable work-related injury or illness has occurred, you must fill out this form or an equivalent. Some state workers' compensation, insurance, or other reports may be acceptable substitutes. To be considered an equivalent form, any substitute must contain all the instructions and information asked for on this form.

According to CCR Title 8 Section 14300.33 Cal/OSHA's recordkeeping rule, you must keep this form on file for 5 years following the year to which it pertains.

Attention: This form contains information relating to employee health and must be used in a manner that protects the confidentiality of employees to the extent possible while the information is being used for occupational safety and health purposes. See CCR Title 8 14300.29(b)(6) to (10).

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Appendix A: CAL/OSHA Form 301

Information about the employee	
Full name:	
Address:	
Date of birth:	
Date hired:	
	Male: ☐ Female: ☐

Information about the physician or other health care professional	
Name of physician or other health care professional	
If treatment was given away from the worksite, where was it given?	
Facility:	
Address:	
Was employee treated in an emergency room?	Yes: ☐ No: ☐
Was employee hospitalized overnight as an in-patient?	Yes: ☐ No: ☐

Information about the case	
Case number from the log *(Transfer the case number from the Log after you record the case.)*	
Date of injury or illness:	
Time employee began work:	AM: PM:
Time of event:	AM: PM:
Check if time cannot be determined:	

What was the employee doing just before the incident occurred?

Describe the activity, as well as the tools, equipment, or material the employee was using. Be specific.

Examples: "climbing a ladder while carrying roofing materials"; "spraying chlorine from hand sprayer"; "daily computer key-entry."

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What happened? **Tell us how the injury occurred.** *Examples:* "When ladder slipped on wet floor, worker fell 20 feet"; "Worker was sprayed with chlorine when gasket broke during replacement"; "Worker developed soreness in wrist over time."
What was the injury or illness? **Tell us the part of the body that was affected and how it was affected; be more specific than "hurt," "pain," or sore."** *Examples:* "strained back"; "chemical burn, hand"; "carpal tunnel syndrome."
What object or substance directly harmed the employee? *Examples:* "concrete floor"; "chlorine"; "radial arm saw."
If the employee died, when did death occur? Date of death:

Completed By (Full Name):	
Title:	
Phone:	
Date:	

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Appendix B: AEI Incident Evaluation Form

Discuss the cause of the incident and future preventative measures	
Why did the accident occur (Root cause)?	
How can we avoid this from happening again (Solution)?	
Date of Implementation:	
Approved By: **(Name and Title)**	

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Appendix C: Site Inspection Log

PROJECT NAME:	**LOCATION:**
PROJECT NUMBER:	**DATE:**
PROJECT MANAGER:	**COMPLETED BY:**
SITE DESCRIPTION AND NATURE OF WORK:	

HAZARD COMMUNICATION
[ ] Chemical hazards identified
[ ] All containers properly labeled
[ ] MSDS/workplace notebook on site
[ ] Site safety briefing completed and documented

ACCIDENTS/EMERGENCY INFO
[ ] First aid personnel identified
[ ] Hospital location identified- test drive?
[ ] Police/Fire/Ambulance phone numbers available
[ ] Incident investigation forms available
[ ] Fire extinguisher present

SANITATION
[ ] Washing facilities available
[ ] Toilet facilities available
[ ] Approved trash receptacle available
[ ] Water/refreshments available

STORAGE
[ ] Tools/Drill tooling/supplies safely stacked to prevent rolling or collapse
[ ] Work areas and passage ways kept clear

HOUSEKEEPING
[ ] Work areas clean and orderly
[ ] Storage areas clean and orderly
[ ] Combustible scrap/debris removed regularly
[ ] Waste containers of flammable or toxic materials covered

OVERHEAD HAZARDS
[ ] 15^{ft} minimum clearance maintained
[ ] All sources of falling objects/swinging loads/ rotating equipment identified
[ ] Barriers or other methods in place to prevent injury due to overhead hazards

POSTING
[ ] Emergency phone/contact info posted
[ ] OSHA poster displayed

UNDERGROUND HAZARDS
[ ] All underground hazards identified and communicated to workers on site
[ ] Utility/USA clearance confirmed
[ ] Clearance dates: _____
[ ] Clearance ID#: _____

EXCAVATIONS and TRENCHES
[ ] All personnel and storage at least 2^{ft} from top edge of excavation
[ ] Ladder in place
[ ] Guarding/barriers in place

VEHICULAR TRAFFIC
[ ] All vehicular traffic routes which could impact worker safety identified and communicated
[ ] Barriers or other methods established to prevent injury from moving vehicles

PEDESTRIAN TRAFFIC/SITE CONTROL
[ ] All walkways which could be impacted by site activities identified and communicated
[ ] Barriers or other methods established to prevent pedestrian injury from site activities

ENVIRONMENTAL HAZARDS
[ ] Poisonous plants, stinging or biting insects, vermin, sewage, etc. identified and communicated

COMMENTS/OTHER HAZARDS_____
_____
_____
_____
_____
_____
_____
_____

√ = OK *NA = Not Applicable*

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Appendix D: Health and Safety Briefing/Site Orientation Record

This is to verify that I, the undersigned, have been provided with a site (orientation) briefing regarding the safety and health considerations at 112 W 25th Street New York, NY 10001. I agree to abide by my employer's site-specific safety and health plan and other safety or health requirements applicable to the site.

NAME (PRINT)	SIGNATURE	COMPANY	DATE

Site (orientation) Briefing Conducted By: _____ Date: _____

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Appendix E: Subcontractor's Statement of Understanding Regarding Health and Safety Responsibilities

Project Name: LAM GEN Redevelopment Project Number: 343443

In accordance with generally accepted practices, each Subcontractor engaged by AEI is responsible for all matters relating to the health and safety of its personnel and equipment in performance of the work. This includes recognition of the potential health and safety hazards associated with the work. AEI will establish a health and safety plan or program (HASP) applicable to its own employees and its own activities on site. AEI will make its HASP available to each subcontractor for informational purposes only. Each subcontractor must establish a HASP applicable to its own employees and its own activities on site.

Subcontractors who use AEI's HASP as a model for their own HASP are responsible for determining its adequacy and applicability to its own employees and its own activities on site. Subcontractors must establish their own HASP applicable to subcontractor employees and/or activities, even if modeled after AEI's HASP and deliver this HASP in clear written form to AEI prior to the initiation of on-site activities. Submittal of the subcontractor's HASP to AEI will be for informational purposes only. Review of the subcontractor's HASP by AEI shall in no way constitute approval or endorsement by AEI of the subcontractor's HASP. It is understood that protective measures specified in the Subcontractor's HASP are minimum requirements for the work.

Subcontractor warrants that all its employees that are permitted to engage in operations that could expose them to hazardous wastes, hazardous substances, or safety or health hazards have obtained the necessary health and safety training and medical surveillance as specified in the applicable provisions of OSHA

1926.59 Hazard Communication;
1926.52 Occupational Noise Exposure;
1926.103 Respiratory Protection;
1926.65 Hazardous Waste Operations and Emergency Response;

as well as any other applicable portion of the OSHA General Industry (29 CFR 1910) and Construction Industry (29 CFR 1926) Standards. Subcontractor shall provide AEI with evidence of the necessary certification before beginning hazardous waste work subject to OSHA 1926.65 on the project site.

Should AEI become aware of subcontractor activities on site which appear to violate OSHA or other applicable safety regulations or otherwise pose an immediate and serious threat to the safety of AEI employees, subcontractor employees, other individuals on site, or members of the public, AEI may notify the subcontractor verbally and/or in writing regarding the need for corrective action. Failure to comply with either general safety practices or health and safety practices as described above may be grounds for breach and prompt contract termination. The safety requirements of the work as described above apply without regard to time, place, or presence of an AEI representative.

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THE PRESENCE OF AEI PERSONNEL ON THE SITE CARRYING OUT PROFESSIONAL ACTIVITIES DOES NOT MEAN THAT AEI UNDERTAKES TO OVERSEE THE SUBCONTRACTOR'S COMPLIANCE RESPONSIBILITIES.

The undersigned agrees that he is authorized to execute this statement of understanding on behalf of their firm:

Firm: _____

Name (Print): _____ Title: _____

Signature: _____ Date: _____

MISCELLANEOUS SITE CONTROL PROCEDURES

PLAN SIGN-OFF

(Please sign and date. See page 5 for Plan Acknowledgement and Approvals scope.)

SSO/CP:_____ SS/PM:_____

H&S Representative:_____

Attach additional information as required

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APPENDIX 10
Boring Logs

BORING NUMBER AEI-SB-1

AEI Consultants

Environmental & Engineering Services

CLIENT LAM GEN 25 LLC
PROJECT NAME
PROJECT NUMBER 343443
PROJECT LOCATION 112 West 25th Street, New York, NY
DATE STARTED 9/28/15 **COMPLETED** 9/28/15
GROUND ELEVATION **HOLE SIZE** 3 inches
DRILLING CONTRACTOR Foresight
GROUND WATER LEVELS:
DRILLING METHOD Direct-Push
AT TIME OF DRILLING ---
LOGGED BY Joe Bernarducci **CHECKED BY**
AT END OF DRILLING ---
NOTES Northwest corner of Lot 49
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0			0		Fill material - brick, concrete, debris, no odors/staining	
			24.2			
			15.6			
			9.6			
			3.1			
5			3.5			
			2.5		6.0 Grey fine to medium sand, trace mica schist, petroleum odor/staining, moist	
			2.9			
			1.8			
			1.7			
10			71			
	AEI SB-1 (10.5-11)		142.6			
			1110			
			1544			
			2178			
15			641.2			
			127			
			1504		18.0 Grey weathered mica schist, strong petroleum odor	
			1006			
	AEI SB-1 (19-19.5)		978			
20			1010		20.0	

Bottom of borehole at 20.0 feet.

AEI BORING - GINT STD US LAB.GDT - 1/5/16 12:31 - C:\USERS\JBERNARDUCC\DESKTOP\PROJECTS\343443-343444 MANHATTAN NY\SUPPLEMENTAL RI-SEPT 2015\343443 BORING LOGS LOT 49-SEPT15.GPJ

BORING NUMBER AEI-SB-2

AEI Consultants

Environmental & Engineering Services

CLIENT LAM GEN 25 LLC
PROJECT NAME
PROJECT NUMBER 343443
PROJECT LOCATION 112 West 25th Street, New York, NY
DATE STARTED 9/30/15 **COMPLETED** 9/30/15
GROUND ELEVATION **HOLE SIZE** 3 inches
DRILLING CONTRACTOR Foresight
GROUND WATER LEVELS:
DRILLING METHOD Direct-Push
AT TIME OF DRILLING ---
LOGGED BY Joe Bernarducci **CHECKED BY**
AT END OF DRILLING ---
NOTES Northeast corner of Lot 49
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0			0		Fill material - brick, concrete, debris, no odors/staining	
			5.6			
			7.5			
			2.6			
			9.1			
5			50.1			
			66.7			
			9.2			
			8.6			
			184.1			
10			157.3			
	AEI SB-2 (10.5-11)		88.6		11.0 Grey Mica Schist Strong Odor and Staining @ 11-13 ft bgs	
			2968			
			88.9			
			102.8			
15			128.3			
			141.6			
			78.6			
			126.8			
			48.7			
20			67.5			
	AEI-SB-2 (20-20.5)				21.0	

Bottom of borehole at 21.0 feet.

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BORING NUMBER AEI-SB-3

AEI Consultants

Environmental & Engineering Services

CLIENT LAM GEN 25 LLC
PROJECT NAME
PROJECT NUMBER 343443
PROJECT LOCATION 112 West 25th Street, New York, NY
DATE STARTED 9/28/15 **COMPLETED** 9/28/15
GROUND ELEVATION **HOLE SIZE** 3 inches
DRILLING CONTRACTOR Foresight
GROUND WATER LEVELS:
DRILLING METHOD Direct-Push
AT TIME OF DRILLING ---
LOGGED BY Joe Bernarducci **CHECKED BY**
AT END OF DRILLING ---
NOTES Center of Lot 49
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0			0		Fill material - brick, concrete, debris, no odors/staining	
			1.7			
			2.8			
			3.1			
			3.4			
5			3		5.0 Grey fine to medium sand, trace mica, moist, strong petroleum odor/staining	
			20.6			
			36.8			
			28.4			
			626			
10			444			
	AEI SB-3 (10.5-11)		1820			
			1800			
			1752			
			1600			
15			1708		15.0 Grey weathered mica schist, strong petroleum odor/staining	
			661		SATURATED @ 17 ft bgs	
			975			
			678			
			1709			
20			1432			
	AEI SB-3 (20-20.5)				21.0	

Bottom of borehole at 21.0 feet.

AEI BORING - GINT STD US LAB.GDT - 1/5/16 12:31 - C:\USERS\JBERNARDUCC\DESKTOP\PROJECTS\343443-343444 MANHATTAN NY\SUPPLEMENTAL RI-SEPT 2015\343443 BORING LOGS LOT 49-SEPT15.GPJ

BORING NUMBER AEI-SB-4

AEI Consultants

Environmental & Engineering Services

CLIENT LAM GEN 25 LLC
PROJECT NAME
PROJECT NUMBER 343443
PROJECT LOCATION 112 West 25th Street, New York, NY
DATE STARTED 9/28/15 **COMPLETED** 9/28/15
GROUND ELEVATION **HOLE SIZE** 3 inches
DRILLING CONTRACTOR Foresight
GROUND WATER LEVELS:
DRILLING METHOD Direct-Push
AT TIME OF DRILLING ---
LOGGED BY Joe Bernarducci **CHECKED BY**
AT END OF DRILLING ---
NOTES Southwest corner of Lot 49
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0			0		Fill material - brick, concrete, debris, no odors/staining	
			151			
			142			
			115			
			132			
5			68.6			
			51.6			
			59.4		7.0 Tan fine to medium sand, no odor/staining	
			32.4			
			62.7			
10			26.5		10.0 Grey to reddish brown fine sand with some silt and gravel and mica throughout-strong petroleum odor, moist	
			805		wet @ 15.5 ft bgs	
			7.4			
			5.6			
			2.7			
15	AEI SB-4 (14.5-15)		692			
			1406			
			3906			
	AEI-SB-4 (17.5-18)		701			
			517		19.0 grey weathered mica schist	
20			594		20.0	

Bottom of borehole at 20.0 feet.

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BORING NUMBER AEI-SB-5

AEI Consultants

Environmental & Engineering Services

CLIENT LAM GEN 25 LLC
PROJECT NAME
PROJECT NUMBER 343443
PROJECT LOCATION 112 West 25th Street, New York, NY
DATE STARTED 9/30/15 **COMPLETED** 9/30/15
GROUND ELEVATION **HOLE SIZE** 3 inches
DRILLING CONTRACTOR Foresight
GROUND WATER LEVELS:
DRILLING METHOD Direct-Push
AT TIME OF DRILLING ---
LOGGED BY Joe Bernarducci **CHECKED BY**
AT END OF DRILLING ---
NOTES Southeast corner of Lot 49
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0			0		Fill material - brick, concrete, debris, no odors/staining	
			9.6			
			7.7			
			8.6			
			2.6			
5			3.2			
			21.6			
			125.6			
			367.1			
			391.6			
10			205.6			
			33.8		12.0	
			47.6		Grey to black fine to medium sand, moist, loose, strong petroleum odor/staining	
			119		SATURATED @ 18 ft bgs	
	AEI SB-5 (14-14.5)		2962			
15			3087			
			3678			
			4066			
			525			
			397.1			
20						
	AEI SB-5 (20-20.5)		2760			
			1565		21.0	

Bottom of borehole at 21.0 feet.

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BORING NUMBER AEI-SB-6

AEI Consultants

Environmental & Engineering Services

CLIENT LAM GEN 25 LLC
PROJECT NAME
PROJECT NUMBER 343444
PROJECT LOCATION 111 West 24th Street, New York, NY
DATE STARTED 10/1/15 **COMPLETED** 10/1/15
GROUND ELEVATION **HOLE SIZE** 3 inches
DRILLING CONTRACTOR Foresight
GROUND WATER LEVELS:
DRILLING METHOD Direct-Push
AT TIME OF DRILLING ---
LOGGED BY Joe Bernarducci **CHECKED BY**
AT END OF DRILLING ---
NOTES Center of Lot 50
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0			1.4		Fill material - brick, concrete, debris, no odors/staining	
			0.8			
			1.1			
			0.7			
			1			
5			0.7		5.0 Orange brown silty sand with gravel throughout, no odors/staining	
			0.8			
			1.2			
			1.6			
			0.7			
10			1.1			
	AEI-SB-6 (10.5-11)		1.5			
			1.3		12.5 Dark brown to black clayey sand with gravel throughout, no odors/staining	
			4.6			
			7.1			
15			17.6		15.0 Orange brown silty sand with some gravel and mica throughout, strong odor	
	AEI-SB-6 (16-16.5)		31.6			
			4186		17.0 medium to coarse sand with some gravel and mica throughout, strong odor	
			1872		WET @ 17 ft bgs	
			3816			
20			2198		20.0	

Bottom of borehole at 20.0 feet.

AEI BORING - GINT STD US LAB.GDT - 1/5/16 12:26 - C:\USERS\JBERNARDUCC\DESKTOP\PROJECTS\343443-343444 MANHATTAN NY\SUPPLEMENTAL RI-SEPT 2015\343443 BORING LOGS LOT 50-SEPT15.GPJ

BORING NUMBER AEI-SB-7

AEI Consultants

Environmental & Engineering Services

CLIENT LAM GEN 25 LLC
PROJECT NAME
PROJECT NUMBER 343444
PROJECT LOCATION 111 West 24th Street, New York, NY
DATE STARTED 9/28/15 **COMPLETED** 9/28/15
GROUND ELEVATION **HOLE SIZE** 3 inches
DRILLING CONTRACTOR Foresight
GROUND WATER LEVELS:
DRILLING METHOD Direct-Push
AT TIME OF DRILLING ---
LOGGED BY Joe Bernarducci **CHECKED BY**
AT END OF DRILLING ---
NOTES Southeast corner of Lot 50
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0			0		Fill material - brick, concrete, debris, no odors/staining	
			6			
			8.7			
			177			
			180			
5			298			
			222			
			514			
			378			
			151			
10					10.0	
	AEI SB-7 (10-10.5)		187		Grey fine to medium sand with subanular gravel and mica fragments throughout, strong petroleum odor/staining WET @ 19.5 ft bgs	
			202			
			268			
			259			
			336			
15			520			
			5000			
			4236			
			3899			
	AEI SB-4 (19-19.5)		4911			
20			4564		20.0	

Bottom of borehole at 20.0 feet.

AEI BORING - GINT STD US LAB.GDT - 1/5/16 12:26 - C:\USERS\JBERNARDUCC\DESKTOP\PROJECTS\343443-343444 MANHATTAN NY\SUPPLEMENTAL RI-SEPT 2015\343443 BORING LOGS LOT 50-SEPT15.GPJ

BORING NUMBER AEI-SB-8

AEI Consultants

Environmental & Engineering Services

CLIENT LAM GEN 25 LLC
PROJECT NAME
PROJECT NUMBER 343444
PROJECT LOCATION 111 West 24th Street, New York, NY
DATE STARTED 10/1/15 **COMPLETED** 10/1/15
GROUND ELEVATION **HOLE SIZE** 3 inches
DRILLING CONTRACTOR Foresight
GROUND WATER LEVELS:
DRILLING METHOD Direct-Push
AT TIME OF DRILLING ---
LOGGED BY Joe Bernarducci **CHECKED BY**
AT END OF DRILLING ---
NOTES Southwest corner of Lot 50
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0			0		Fill material - brick, concrete, debris, no odors/staining	
			10.6			
			9.5			
			8.6			
			8.9			
5			3.8			
			5.6			
			7.6			
			8.7			
			9.6			
10			1.4		10.0 — Green grey fine to medium sand with subanular gravel throughout, no odor/staining	
	AEI SB-8 (10.5-11)		2.7			
			3.4			
			7.5			
			41.6			
15			59.6		15.0 — Green grey fine to medium sand some silt and mica fragmnents throughout, petroleum odor/staining	
			80.6		WET @ 17.5 ft bgs	
			2061			
			1856			
			2012			
20	AEI SB-8 (19.5-20)		2007		20.0	

Bottom of borehole at 20.0 feet.

AEI BORING - GINT STD US LAB.GDT - 1/5/16 12:26 - C:\USERS\JBERNARDUCC\DESKTOP\PROJECTS\343443-343444 MANHATTAN NY\SUPPLEMENTAL RI-SEPT 2015\343443 BORING LOGS LOT 50-SEPT15.GPJ

BORING NUMBER MW-1D

AEI Consultants

Environmental & Engineering Services

CLIENT LAM GEN 25 LLC
PROJECT NAME
PROJECT NUMBER 343443
PROJECT LOCATION 112 West 25th Street, New York, NY
DATE STARTED 10/25/15 **COMPLETED** 10/25/15
GROUND ELEVATION **HOLE SIZE** 5 inches
DRILLING CONTRACTOR Cascade Drilling, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Sonic
AT TIME OF DRILLING ---
LOGGED BY Joe Bernarducci **CHECKED BY**
AT END OF DRILLING ---
NOTES North of site on Sidewalk near W 25th St
AFTER DRILLING 12.49 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						Casing Top Elev: 39.45 (ft)
					Fill material - brick, concrete, debris, no odors/staining	
			2.3			
			11.4			
			16.8			
			7.9			
5			17.5			
			7.6			
			7.6			
			7.6			
			26.8			
10					10.0	
			11.6		Brown fine to medium sand, trace mica schist, no odors/staining	
			31.8			
			34.9			2 inch PVC riser (0-25 feet bgs) - bentonite from 23-0.5 feet bgs
			49.1			
			90.6			
15			77.6			
			59.1			
					17.0	
			42.8		Highly weathered mica schist	
					18.0	
			73.6		Grey Mica Schist	
			51.6		Displacent Bit used to drill through bedrock 20-35 feet bgs	
20			53.9			
25						
30						2 inch slotted PVC (0.010 screen) - Silica filter pack from 35-23 feet bgs
35					35.0	

Bottom of borehole at 35.0 feet.

AEI BORING - GINT STD US LAB.GDT - 1/5/16 12:31 - C:\USERS\JBERNARDUCC\DESKTOP\PROJECTS\343443-343444 MANHATTAN NY\SUPPLEMENTAL RI-SEPT 2015\343443 BORING LOGS LOT 49-SEPT15.GPJ

BORING NUMBER MW-2

AEI Consultants

Environmental & Engineering Services

CLIENT LAM GEN 25 LLC
PROJECT NAME
PROJECT NUMBER 343443
PROJECT LOCATION 112 West 25th Street, New York, NY
DATE STARTED 10/25/15 **COMPLETED** 10/25/15
GROUND ELEVATION **HOLE SIZE** 5 inches
DRILLING CONTRACTOR Cascade Drilling, Inc.
GROUND WATER LEVELS:
DRILLING METHOD Sonic
AT TIME OF DRILLING ---
LOGGED BY Joe Bernarducci **CHECKED BY**
AT END OF DRILLING ---
NOTES North of site on Sidewalk near W 25th St
AFTER DRILLING 12.59 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						Casing Top Elev: 39.32 (ft)
					Fill material - brick, concrete, debris, no odors/staining	
			1.7			
			10.6			
			15.6			
			10.9			2 inch PVC riser (0.5-8 feet bgs) - bentonite from 6-0.5 feet bgs
5			12.8			
			7.6			
					7.0	
			7.6		Brown fine to medium sand, trace mica schist, no odors/staining	
			7.6			
			20.2			
10			10.3			
			35.6			
			41.9			
					13.0	
			42.8		Wood, Brick and black highly foliated rock fragments	2 inch slotted PVC screen (0.010 screen) - Silica filter pack from 18-6 feet bgs
					14.0	
			30.7		Brown fine to medium sand, trace mica schist, no odors/staining	
15			82.6			
			59.1			
					17.0	
			38.2		Weathered Grey Mica Schist	
					18.0	

Bottom of borehole at 18.0 feet.

AEI BORING - GINT STD US LAB.GDT - 1/5/16 12:31 - C:\USERS\JBERNARDUCC\DESKTOP\PROJECTS\343443-343444 MANHATTAN NY\SUPPLEMENTAL RI-SEPT 2015\343443 BORING LOGS LOT 49-SEPT15.GPJ

BORING NUMBER MW-3

AEI Consultants

Environmental & Engineering Services

CLIENT LAM GEN 25 LLC
PROJECT NAME
PROJECT NUMBER 343444
PROJECT LOCATION 111 West 24th Street, New York, NY
DATE STARTED 9/29/15 **COMPLETED** 9/29/15
GROUND ELEVATION **HOLE SIZE** 5 inches
DRILLING CONTRACTOR Foresight
GROUND WATER LEVELS:
DRILLING METHOD Direct-Push
AT TIME OF DRILLING ---
LOGGED BY Joe Bernarducci **CHECKED BY**
AT END OF DRILLING ---
NOTES Near the center of lot boundary
AFTER DRILLING 15.30 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						Casing Top Elev: 35.34 (ft)
			0.2		Fill material - brick, concrete, debris, no odors/staining	
			0.2			
			0.3			
			0.7			
			0.2			
5			0.2			2 inch PVC riser (0-11 feet bgs) - bentonite from 0.5-9 feet bgs
			0.3			
			0.6			
			0.3			
			0.4			
10					10.0	
	AEI-MW-3 (10.5-11)		0.2		Red brown fine sand, silt and siltstone fragments, some odors/staining	
			0.3			
			0.8			
			1.5			
			23.7			
15					15.0	
			28.6		Black fine to medium sand and subangular fine to medium gravel, strong odor/staining	
			54.6		WET @ 19 ft bgs	
			238			
			1507		SATURATED @ 25 ft bgs	2 inch slotted PVC (0.010 screen) (11-26 feet bgs) - silica filter pack from 9-26 feet bgs
			2321			
20	AEI-MW-3 (19.5-20)		623			
			10.6			
			123.5			
			1536			
			61.7			
25					25.0	
			22.6		Mica Schist	
			38.9		26.0	

Bottom of borehole at 26.0 feet.

AEI BORING - GINT STD US LAB.GDT - 1/5/16 12:26 - C:\USERS\JBERNARDUCC\DESKTOP\PROJECTS\343443-343444 MANHATTAN NY\SUPPLEMENTAL RI-SEPT 2015\343443 BORING LOGS LOT 50-SEPT15.GPJ

BORING NUMBER MW-4

AEI Consultants

Environmental & Engineering Services

CLIENT LAM GEN 25 LLC
PROJECT NAME
PROJECT NUMBER 343444
PROJECT LOCATION 111 West 24th Street, New York, NY
DATE STARTED 10/9/15 **COMPLETED** 10/9/15
GROUND ELEVATION **HOLE SIZE** 5 inches
DRILLING CONTRACTOR ADT
GROUND WATER LEVELS:
DRILLING METHOD Sonic
AT TIME OF DRILLING ---
LOGGED BY Joe Bernarducci **CHECKED BY**
AT END OF DRILLING ---
NOTES Southwest corner of property on Sidewalk
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						Casing Top Elev: 34.56 (ft)
			0.7		Fill material - brick, concrete, debris, no odors/staining	
			12.5			2 inch PVC riser (0-8 feet bgs) - bentonite from 0.5-6 feet bgs
5			65.4		5.0 Green grey fine to medium sand with subanular gravel throughout, no odor/staining WET @ 12 ft bgs	
			142.6			
10			225.6			
			342.6		12.0 Green grey to dark brown fine to medium sand some silt and mica throughout, strong petroleum odor/staining SATURATED @ 17 ft bgs	
15			3697			2 inch slotted PVC (0.010 screen) (8-23 feet bgs) - silica filter pack from 23-6 feet bgs
			5000			
20			1509		22.0 Weathered Mica Schist	
			200.6		23.0	

Bottom of borehole at 23.0 feet.

AEI BORING - GINT STD US LAB.GDT - 1/5/16 12:26 - C:\USERS\JBERNARDUCC\DESKTOP\PROJECTS\343443-343444 MANHATTAN NY\SUPPLEMENTAL RI-SEPT 2015\343443 BORING LOGS LOT 50-SEPT15.GPJ

BORING NUMBER MW-5

AEI Consultants

Environmental & Engineering Services

CLIENT LAM GEN 25 LLC
PROJECT NAME
PROJECT NUMBER 343444
PROJECT LOCATION 111 West 24th Street, New York, NY
DATE STARTED 10/9/15 **COMPLETED** 10/9/15
GROUND ELEVATION **HOLE SIZE** 5 inches
DRILLING CONTRACTOR ADT
GROUND WATER LEVELS:
DRILLING METHOD Sonic
AT TIME OF DRILLING ---
LOGGED BY Joe Bernarducci **CHECKED BY**
AT END OF DRILLING ---
NOTES Southeast corner of property on Sidewalk
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						Casing Top Elev: 34.12 (ft)
			2.6		Fill material - brick, concrete, debris, no odors/staining	
			3.7			
5					5.0	
			22.6		grey brown silty sand with gravel throughout, slight odors/staining	2 inch PVC riser (0-10 feet bgs) - bentonite from 0.5-8 feet bgs
			23.7			
10						
			17.8			
					12.0	
			23.6		dark brown silty sand with gravel and mica throughout, strong petroleum odors/staining WET @ 14 ft bgs SATURATED @ 20 ft bgs	
15						
			1360			
			2290			2 inch slotted PVC (0.010 screen) (10-25 feer bgs) - silica filter pack from 25-8 feet bgs
20						
			868.7			
			1265		23.0	
					Weathered Mica Schist	
			971.7			
25					25.0	

Bottom of borehole at 25.0 feet.

AEI BORING - GINT STD US LAB.GDT - 1/5/16 12:26 - C:\USERS\JBERNARDUCC\DESKTOP\PROJECTS\343443-343444 MANHATTAN NY\SUPPLEMENTAL RI-SEPT 2015\343443 BORING LOGS LOT 50-SEPT15.GPJ

APPENDIX 11
Laboratory Analytical Report
October 2015

ANALYTICAL REPORT

Lab Number:	L1524759
Client:	AEI Consultants 20 Gibson Place Suite 310 Freehold, NJ 07728
ATTN:	Joseph Bernarducci
Phone:	(732) 414-2720
Project Name:	LAM GEN
Project Number:	343443
Report Date:	10/09/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1524759-01	AEI SB7 (10-10.5)	SOIL	112 WEST 25TH ST., NY, NY	09/28/15 08:50	10/01/15
L1524759-02	AEI SB7 (19-19.5)	SOIL	112 WEST 25TH ST., NY, NY	09/28/15 09:00	10/01/15
L1524759-03	AEI SB4 (14.5-15)	SOIL	112 WEST 25TH ST., NY, NY	09/28/15 10:25	10/01/15
L1524759-04	AEI SB4 (17.5-18)	SOIL	112 WEST 25TH ST., NY, NY	09/28/15 10:30	10/01/15
L1524759-05	AEI SB3 (10.5-11)	SOIL	112 WEST 25TH ST., NY, NY	09/28/15 13:00	10/01/15
L1524759-06	AEI SB3 (20-20.5)	SOIL	112 WEST 25TH ST., NY, NY	09/28/15 13:05	10/01/15
L1524759-07	AEI SB1 (10.5-11)	SOIL	112 WEST 25TH ST., NY, NY	09/28/15 14:10	10/01/15
L1524759-08	AEI SB1 (19-19.5)	SOIL	112 WEST 25TH ST., NY, NY	09/28/15 14:15	10/01/15
L1524759-09	AEI MW3 (10.5-11)	SOIL	112 WEST 25TH ST., NY, NY	09/29/15 09:10	10/01/15
L1524759-10	AEI MW3 (19.5-20)	SOIL	112 WEST 25TH ST., NY, NY	09/29/15 09:15	10/01/15
L1524759-11	AEI SB6 (10.5-11)	SOIL	112 WEST 25TH ST., NY, NY	10/01/15 09:05	10/01/15
L1524759-12	AEI SB6 (16-16.5)	SOIL	112 WEST 25TH ST., NY, NY	10/01/15 09:10	10/01/15
L1524759-13	AEI SB8 (10.5-11)	SOIL	112 WEST 25TH ST., NY, NY	10/01/15 11:30	10/01/15
L1524759-14	AEI SB8 (19.5-20)	SOIL	112 WEST 25TH ST., NY, NY	10/01/15 11:35	10/01/15
L1524759-15	AEI SB5 (14-14.5)	SOIL	112 WEST 25TH ST., NY, NY	09/30/15 14:30	10/01/15
L1524759-16	AEI SB5 (20-20.5)	SOIL	112 WEST 25TH ST., NY, NY	09/30/15 14:35	10/01/15
L1524759-17	AEI SB2 (10.5-11)	SOIL	112 WEST 25TH ST., NY, NY	09/30/15 10:45	10/01/15
L1524759-18	AEI SB2 (20-20.5)	SOIL	112 WEST 25TH ST., NY, NY	09/30/15 11:40	10/01/15

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: LAM GEN **Lab Number:** L1524759
Project Number: 343443 **Report Date:** 10/09/15

Case Narrative (continued)

Report Submission
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt
The following samples were received, but not listed on the chain of custody, and were analyzed at the client's request: "AEI SB5 (14-14.5)", "AEI SB5 (20-20.5)", "AEI SB2 (10.5-11)", and "AEI SB2 (20-20.5)".

Metals
L1524759-01 through -18: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG827310-4 MS recoveries for aluminum (358%) and iron (239%), performed on L1524759-01, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG827310-4 MS recoveries, performed on L1524759-01, are outside the acceptance criteria for antimony (62%) and magnesium (143%). A post digestion spike was performed and was within acceptance criteria.
The WG827529-4 MS recoveries for aluminum (178%), calcium (0%), iron (0%) and manganese (24%) performed on L1524759-15, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG827529-4 MS recoveries, performed on L1524759-15, are outside the acceptance criteria for chromium (65%) and zinc (71%). A post digestion spike was performed and yielded unacceptable recoveries for chromium (204%) and zinc (184%). This has been attributed to sample matrix.
The WG827310-3 Laboratory Duplicate RPDs, performed on L1524759-01, are outside the acceptance criteria for aluminum (38%), arsenic (24%), barium (66%), calcium (24%), chromium (37%), copper (31%), iron (27%), lead (25%), magnesium (49%), manganese (57%), potassium (89%), vanadium (30%) and zinc (37%). The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.
The WG827529-3 Laboratory Duplicate RPDs, performed on L1524759-15, re outside the acceptance criteria for calcium (65%), chromium (27%), manganese (25%) and zinc (28%). The elevated RPDs have been

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Case Narrative (continued)

attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 10/09/15

ORGANICS

VOLATILES

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-11	Date Collected:	10/01/15 09:05
Client ID:	AEI SB6 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/09/15 10:46		
Analyst:	BN		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.15	1
Bromoform	ND		ug/kg	4.3	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	2.3		ug/kg	1.1	0.13	1
Toluene	12		ug/kg	1.6	0.21	1
Ethylbenzene	15		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.4	0.32	1
Bromomethane	ND		ug/kg	2.2	0.36	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	0.22	J	ug/kg	5.4	0.16	1

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-11 Date Collected: 10/01/15 09:05

Client ID: AEI SB6 (10.5-11) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	39		ug/kg	2.2	0.21	1
o-Xylene	11		ug/kg	2.2	0.18	1
Xylenes, Total	50		ug/kg	2.2	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.20	1
Acetone	60		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.29	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.72	1
Bromochloromethane	ND		ug/kg	5.4	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.22	1
n-Butylbenzene	0.42	J	ug/kg	1.1	0.12	1
sec-Butylbenzene	0.44	J	ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.15	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.43	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.24	1
Isopropylbenzene	2.1		ug/kg	1.1	0.11	1
p-Isopropyltoluene	0.71	J	ug/kg	1.1	0.13	1
Naphthalene	1.4	J	ug/kg	5.4	0.15	1
Acrylonitrile	ND		ug/kg	11	0.55	1
n-Propylbenzene	4.5		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3,5-Trimethylbenzene	12		ug/kg	5.4	0.15	1

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-11 Date Collected: 10/01/15 09:05

Client ID: AEI SB6 (10.5-11) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	34		ug/kg	5.4	0.15	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	6.1		ug/kg	4.3	0.17	1
p-Ethyltoluene	12		ug/kg	4.3	0.13	1
1,2,4,5-Tetramethylbenzene	1.1	J	ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.42	1

Tentatively Identified Compounds				
Total TIC Compounds	370	J	ug/kg	1
Butane, 2-Methyl-	19	NJ	ug/kg	1
Pentane, 2-methyl-	59	NJ	ug/kg	1
Pentane, 3-methyl-	33	NJ	ug/kg	1
Hexane	26	NJ	ug/kg	1
Cyclopentane, Methyl-	38	NJ	ug/kg	1
Cyclohexane	32	NJ	ug/kg	1
Hexane, 3-methyl-	32	NJ	ug/kg	1
Unknown	27	J	ug/kg	1
Cyclohexane, methyl-	78	NJ	ug/kg	1
Unknown Cyclohexane	30	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-12 D	Date Collected:	10/01/15 09:10
Client ID:	AEI SB6 (16-16.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	10/09/15 13:14		
Analyst:	BN		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	34000	3800	50
1,1-Dichloroethane	ND		ug/kg	5100	290	50
Chloroform	ND		ug/kg	5100	1300	50
Carbon tetrachloride	ND		ug/kg	3400	720	50
1,2-Dichloropropane	ND		ug/kg	12000	780	50
Dibromochloromethane	ND		ug/kg	3400	530	50
1,1,2-Trichloroethane	ND		ug/kg	5100	1000	50
Tetrachloroethene	ND		ug/kg	3400	480	50
Chlorobenzene	ND		ug/kg	3400	1200	50
Trichlorofluoromethane	ND		ug/kg	17000	1300	50
1,2-Dichloroethane	ND		ug/kg	3400	390	50
1,1,1-Trichloroethane	ND		ug/kg	3400	380	50
Bromodichloromethane	ND		ug/kg	3400	590	50
trans-1,3-Dichloropropene	ND		ug/kg	3400	410	50
cis-1,3-Dichloropropene	ND		ug/kg	3400	400	50
1,3-Dichloropropene, Total	ND		ug/kg	3400	400	50
1,1-Dichloropropene	ND		ug/kg	17000	480	50
Bromoform	ND		ug/kg	14000	810	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	3400	340	50
Benzene	13000		ug/kg	3400	400	50
Toluene	160000		ug/kg	5100	670	50
Ethylbenzene	99000		ug/kg	3400	440	50
Chloromethane	ND		ug/kg	17000	1000	50
Bromomethane	ND		ug/kg	6800	1200	50
Vinyl chloride	ND		ug/kg	6800	400	50
Chloroethane	ND		ug/kg	6800	1100	50
1,1-Dichloroethene	ND		ug/kg	3400	900	50
trans-1,2-Dichloroethene	ND		ug/kg	5100	730	50
Trichloroethene	ND		ug/kg	3400	430	50
1,2-Dichlorobenzene	ND		ug/kg	17000	520	50

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-12 D Date Collected: 10/01/15 09:10

Client ID: AEI SB6 (16-16.5) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	17000	460	50
1,4-Dichlorobenzene	ND		ug/kg	17000	470	50
Methyl tert butyl ether	ND		ug/kg	6800	290	50
p/m-Xylene	430000		ug/kg	6800	680	50
o-Xylene	140000		ug/kg	6800	590	50
Xylenes, Total	570000		ug/kg	6800	590	50
cis-1,2-Dichloroethene	ND		ug/kg	3400	490	50
1,2-Dichloroethene, Total	ND		ug/kg	3400	490	50
Dibromomethane	ND		ug/kg	34000	560	50
Styrene	ND		ug/kg	6800	1400	50
Dichlorodifluoromethane	ND		ug/kg	34000	650	50
Acetone	ND		ug/kg	34000	3600	50
Carbon disulfide	ND		ug/kg	34000	3800	50
2-Butanone	ND		ug/kg	34000	930	50
Vinyl acetate	ND		ug/kg	34000	450	50
4-Methyl-2-pentanone	ND		ug/kg	34000	840	50
1,2,3-Trichloropropane	ND		ug/kg	34000	560	50
2-Hexanone	ND		ug/kg	34000	2300	50
Bromochloromethane	ND		ug/kg	17000	950	50
2,2-Dichloropropane	ND		ug/kg	17000	770	50
1,2-Dibromoethane	ND		ug/kg	14000	600	50
1,3-Dichloropropane	ND		ug/kg	17000	500	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	3400	1100	50
Bromobenzene	ND		ug/kg	17000	710	50
n-Butylbenzene	18000		ug/kg	3400	390	50
sec-Butylbenzene	6200		ug/kg	3400	420	50
tert-Butylbenzene	ND		ug/kg	17000	460	50
o-Chlorotoluene	ND		ug/kg	17000	550	50
p-Chlorotoluene	ND		ug/kg	17000	460	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	17000	1400	50
Hexachlorobutadiene	ND		ug/kg	17000	780	50
Isopropylbenzene	17000		ug/kg	3400	360	50
p-Isopropyltoluene	9400		ug/kg	3400	430	50
Naphthalene	40000		ug/kg	17000	470	50
Acrylonitrile	ND		ug/kg	34000	1800	50
n-Propylbenzene	44000		ug/kg	3400	370	50
1,2,3-Trichlorobenzene	ND		ug/kg	17000	510	50
1,2,4-Trichlorobenzene	ND		ug/kg	17000	620	50
1,3,5-Trimethylbenzene	100000		ug/kg	17000	490	50

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-12 D Date Collected: 10/01/15 09:10

Client ID: AEI SB6 (16-16.5) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	290000		ug/kg	17000	480	50
1,4-Dioxane	ND		ug/kg	340000	49000	50
p-Diethylbenzene	110000		ug/kg	14000	550	50
p-Ethyltoluene	210000		ug/kg	14000	420	50
1,2,4,5-Tetramethylbenzene	28000		ug/kg	14000	450	50
Ethyl ether	ND		ug/kg	17000	890	50
trans-1,4-Dichloro-2-butene	ND		ug/kg	17000	1300	50

Tentatively Identified Compounds				
Total TIC Compounds	1600000	J	ug/kg	50
Unknown	120000	J	ug/kg	50
Heptane	170000	NJ	ug/kg	50
Cyclohexane, methyl-	220000	NJ	ug/kg	50
Heptane, 2-methyl-	170000	NJ	ug/kg	50
Heptane, 3-methyl-	98000	NJ	ug/kg	50
Unknown Cyclohexane	110000	J	ug/kg	50
Octane	220000	NJ	ug/kg	50
Unknown	110000	J	ug/kg	50
Nonane	180000	NJ	ug/kg	50
Undecane	230000	NJ	ug/kg	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/15 10:16
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11 Batch: WG829433-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/15 10:16
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11 Batch: WG829433-3					
1,2-Dichlorobenzene	0.45	J	ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/15 10:16
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11 Batch: WG829433-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/15 10:16
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 11 Batch: WG829433-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/15 10:16
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12 Batch: WG829486-3					
Methylene chloride	ND		ug/kg	500	55.
1,1-Dichloroethane	ND		ug/kg	75	4.3
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	7.7
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	19.
1,2-Dichloroethane	ND		ug/kg	50	5.7
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	8.7
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	5.9
1,3-Dichloropropene, Total	ND		ug/kg	50	5.9
1,1-Dichloropropene	ND		ug/kg	250	7.1
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	5.0
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	9.7
Ethylbenzene	ND		ug/kg	50	6.4
Chloromethane	ND		ug/kg	250	15.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	5.9
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	13.
trans-1,2-Dichloroethene	ND		ug/kg	75	11.
Trichloroethene	ND		ug/kg	50	6.2

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/15 10:16
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12 Batch: WG829486-3					
1,2-Dichlorobenzene	23	J	ug/kg	250	7.7
1,3-Dichlorobenzene	ND		ug/kg	250	6.8
1,4-Dichlorobenzene	ND		ug/kg	250	6.9
Methyl tert butyl ether	ND		ug/kg	100	4.2
p/m-Xylene	ND		ug/kg	100	9.9
o-Xylene	ND		ug/kg	100	8.6
Xylenes, Total	ND		ug/kg	100	8.6
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
1,2-Dichloroethene, Total	ND		ug/kg	50	7.1
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	ND		ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	14.
Vinyl acetate	ND		ug/kg	500	6.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.1
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.7
1,3-Dichloropropane	ND		ug/kg	250	7.3
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8
o-Chlorotoluene	ND		ug/kg	250	8.0

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/15 10:16
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12 Batch: WG829486-3					
p-Chlorotoluene	ND		ug/kg	250	6.6
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	11.
Isopropylbenzene	ND		ug/kg	50	5.2
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
n-Propylbenzene	ND		ug/kg	50	5.5
1,2,3-Trichlorobenzene	ND		ug/kg	250	7.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	9.1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	7.1
1,4-Dioxane	ND		ug/kg	5000	720
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	6.2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/09/15 10:16
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 12 Batch: WG829486-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG829433-1 WG829433-2								
Methylene chloride	100		96		70-130	4		30
1,1-Dichloroethane	103		99		70-130	4		30
Chloroform	105		102		70-130	3		30
Carbon tetrachloride	109		104		70-130	5		30
1,2-Dichloropropane	108		103		70-130	5		30
Dibromochloromethane	97		100		70-130	3		30
2-Chloroethylvinyl ether	**260**	Q	**244**	Q	70-130	6		30
1,1,2-Trichloroethane	114		105		70-130	8		30
Tetrachloroethene	104		105		70-130	1		30
Chlorobenzene	102		102		70-130	0		30
Trichlorofluoromethane	110		105		70-139	5		30
1,2-Dichloroethane	105		104		70-130	1		30
1,1,1-Trichloroethane	108		103		70-130	5		30
Bromodichloromethane	104		100		70-130	4		30
trans-1,3-Dichloropropene	98		102		70-130	4		30
cis-1,3-Dichloropropene	104		98		70-130	6		30
1,1-Dichloropropene	109		105		70-130	4		30
Bromoform	92		94		70-130	2		30
1,1,2,2-Tetrachloroethane	101		102		70-130	1		30
Benzene	101		100		70-130	1		30
Toluene	94		98		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG829433-1 WG829433-2								
Ethylbenzene	105		104		70-130	1		30
Chloromethane	96		89		52-130	8		30
Bromomethane	114		100		57-147	13		30
Vinyl chloride	81		80		67-130	1		30
Chloroethane	115		109		50-151	5		30
1,1-Dichloroethene	106		97		65-135	9		30
trans-1,2-Dichloroethene	99		94		70-130	5		30
Trichloroethene	107		105		70-130	2		30
1,2-Dichlorobenzene	104		107		70-130	3		30
1,3-Dichlorobenzene	103		105		70-130	2		30
1,4-Dichlorobenzene	102		103		70-130	1		30
Methyl tert butyl ether	99		97		66-130	2		30
p/m-Xylene	115		106		70-130	8		30
o-Xylene	108		105		70-130	3		30
cis-1,2-Dichloroethene	102		99		70-130	3		30
Dibromomethane	104		104		70-130	0		30
Styrene	106		105		70-130	1		30
Dichlorodifluoromethane	63		60		30-146	5		30
Acetone	**156**	Q	**146**	Q	54-140	7		30
Carbon disulfide	87		90		59-130	3		30
2-Butanone	**138**	Q	129		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG829433-1 WG829433-2								
Vinyl acetate	111		109		70-130	2		30
4-Methyl-2-pentanone	117		106		70-130	10		30
1,2,3-Trichloropropane	102		104		68-130	2		30
2-Hexanone	**132**	Q	126		70-130	5		30
Bromochloromethane	100		97		70-130	3		30
2,2-Dichloropropane	106		101		70-130	5		30
1,2-Dibromoethane	107		104		70-130	3		30
1,3-Dichloropropane	107		104		69-130	3		30
1,1,1,2-Tetrachloroethane	106		102		70-130	4		30
Bromobenzene	98		98		70-130	0		30
n-Butylbenzene	109		111		70-130	2		30
sec-Butylbenzene	104		106		70-130	2		30
tert-Butylbenzene	104		106		70-130	2		30
o-Chlorotoluene	102		100		70-130	2		30
p-Chlorotoluene	100		103		70-130	3		30
1,2-Dibromo-3-chloropropane	92		107		68-130	15		30
Hexachlorobutadiene	110		117		67-130	6		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	105		106		70-130	1		30
Naphthalene	110		112		70-130	2		30
Acrylonitrile	105		105		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG829433-1 WG829433-2								
Isopropyl Ether	108		102		66-130	6		30
tert-Butyl Alcohol	110		108		70-130	2		30
n-Propylbenzene	113		103		70-130	9		30
1,2,3-Trichlorobenzene	110		110		70-130	0		30
1,2,4-Trichlorobenzene	113		119		70-130	5		30
1,3,5-Trimethylbenzene	100		101		70-130	1		30
1,2,4-Trimethylbenzene	100		102		70-130	2		30
Methyl Acetate	106		104		51-146	2		30
Ethyl Acetate	111		104		70-130	7		30
Acrolein	102		102		70-130	0		30
Cyclohexane	114		108		59-142	5		30
1,4-Dioxane	124		119		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		112		50-139	2		30
p-Diethylbenzene	130		113		70-130	14		30
p-Ethyltoluene	120		106		70-130	12		30
1,2,4,5-Tetramethylbenzene	120		122		70-130	2		30
Tetrahydrofuran	104		104		66-130	0		30
Ethyl ether	118		114		67-130	3		30
trans-1,4-Dichloro-2-butene	103		103		70-130	0		30
Methyl cyclohexane	119		114		70-130	4		30
Ethyl-Tert-Butyl-Ether	104		100		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 11 Batch: WG829433-1 WG829433-2								
Tertiary-Amyl Methyl Ether	102		102		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	93		97		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12 Batch: WG829486-1 WG829486-2								
Methylene chloride	100		96		70-130	4		30
1,1-Dichloroethane	103		99		70-130	4		30
Chloroform	105		102		70-130	3		30
Carbon tetrachloride	109		104		70-130	5		30
1,2-Dichloropropane	108		103		70-130	5		30
Dibromochloromethane	97		100		70-130	3		30
2-Chloroethylvinyl ether	**260**	Q	**244**	Q	70-130	6		30
1,1,2-Trichloroethane	114		105		70-130	8		30
Tetrachloroethene	104		105		70-130	1		30
Chlorobenzene	102		102		70-130	0		30
Trichlorofluoromethane	110		105		70-139	5		30
1,2-Dichloroethane	105		104		70-130	1		30
1,1,1-Trichloroethane	108		103		70-130	5		30
Bromodichloromethane	104		100		70-130	4		30
trans-1,3-Dichloropropene	98		102		70-130	4		30
cis-1,3-Dichloropropene	104		98		70-130	6		30
1,1-Dichloropropene	109		105		70-130	4		30
Bromoform	92		94		70-130	2		30
1,1,2,2-Tetrachloroethane	101		102		70-130	1		30
Benzene	101		100		70-130	1		30
Toluene	94		98		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12 Batch: WG829486-1 WG829486-2								
Ethylbenzene	105		104		70-130	1		30
Chloromethane	96		89		52-130	8		30
Bromomethane	114		100		57-147	13		30
Vinyl chloride	81		80		67-130	1		30
Chloroethane	115		109		50-151	5		30
1,1-Dichloroethene	106		97		65-135	9		30
trans-1,2-Dichloroethene	99		94		70-130	5		30
Trichloroethene	107		105		70-130	2		30
1,2-Dichlorobenzene	104		107		70-130	3		30
1,3-Dichlorobenzene	103		105		70-130	2		30
1,4-Dichlorobenzene	102		103		70-130	1		30
Methyl tert butyl ether	99		97		66-130	2		30
p/m-Xylene	115		106		70-130	8		30
o-Xylene	108		105		70-130	3		30
cis-1,2-Dichloroethene	102		99		70-130	3		30
Dibromomethane	104		104		70-130	0		30
Styrene	106		105		70-130	1		30
Dichlorodifluoromethane	63		60		30-146	5		30
Acetone	**156**	Q	**146**	Q	54-140	7		30
Carbon disulfide	87		90		59-130	3		30
2-Butanone	**138**	Q	129		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12 Batch: WG829486-1 WG829486-2								
Vinyl acetate	111		109		70-130	2		30
4-Methyl-2-pentanone	117		106		70-130	10		30
1,2,3-Trichloropropane	102		104		68-130	2		30
2-Hexanone	**132**	Q	126		70-130	5		30
Bromochloromethane	100		97		70-130	3		30
2,2-Dichloropropane	106		101		70-130	5		30
1,2-Dibromoethane	107		104		70-130	3		30
1,3-Dichloropropane	107		104		69-130	3		30
1,1,1,2-Tetrachloroethane	106		102		70-130	4		30
Bromobenzene	98		98		70-130	0		30
n-Butylbenzene	109		111		70-130	2		30
sec-Butylbenzene	104		106		70-130	2		30
tert-Butylbenzene	104		106		70-130	2		30
o-Chlorotoluene	102		100		70-130	2		30
p-Chlorotoluene	100		103		70-130	3		30
1,2-Dibromo-3-chloropropane	92		107		68-130	15		30
Hexachlorobutadiene	110		117		67-130	6		30
Isopropylbenzene	108		108		70-130	0		30
p-Isopropyltoluene	105		106		70-130	1		30
Naphthalene	110		112		70-130	2		30
Acrylonitrile	105		105		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12 Batch: WG829486-1 WG829486-2								
Isopropyl Ether	108		102		66-130	6		30
tert-Butyl Alcohol	110		108		70-130	2		30
n-Propylbenzene	113		103		70-130	9		30
1,2,3-Trichlorobenzene	110		110		70-130	0		30
1,2,4-Trichlorobenzene	113		119		70-130	5		30
1,3,5-Trimethylbenzene	100		101		70-130	1		30
1,2,4-Trimethylbenzene	100		102		70-130	2		30
Methyl Acetate	106		104		51-146	2		30
Ethyl Acetate	111		104		70-130	7		30
Acrolein	102		102		70-130	0		30
Cyclohexane	114		108		59-142	5		30
1,4-Dioxane	124		119		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		112		50-139	2		30
p-Diethylbenzene	130		113		70-130	14		30
p-Ethyltoluene	120		106		70-130	12		30
1,2,4,5-Tetramethylbenzene	120		122		70-130	2		30
Tetrahydrofuran	104		104		66-130	0		30
Ethyl ether	118		114		67-130	3		30
trans-1,4-Dichloro-2-butene	103		103		70-130	0		30
Methyl cyclohexane	119		114		70-130	4		30
Ethyl-Tert-Butyl-Ether	104		100		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 12 Batch: WG829486-1 WG829486-2								
Tertiary-Amyl Methyl Ether	102		102		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	93		97		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		97		70-130

SEMIVOLATILES

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-11	Date Collected:	10/01/15 09:05
Client ID:	AEI SB6 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/08/15 11:42
Analytical Date:	10/09/15 11:13		
Analyst:	RC		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	65.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	55.	1
Naphthalene	ND		ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	49.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	40.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-11 Date Collected: 10/01/15 09:05

Client ID: AEI SB6 (10.5-11) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	41.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	40.	1
Chrysene	ND		ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	170	43.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	ND		ug/kg	120	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	170	46.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	68.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	58.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	69.	1
2-Methylnaphthalene	ND		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
P-Chloro-M-Cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	1000	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	170	44.	1
Phenol	ND		ug/kg	210	61.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	45.	1

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-11 Date Collected: 10/01/15 09:05

Client ID: AEI SB6 (10.5-11) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Sulfur	190	NJ	ug/kg			1
Cyclic Octaatomic Sulfur	1200	NJ	ug/kg			1
Unknown	220	J	ug/kg			1
Unknown	300	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	63		18-120

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-12 D2	Date Collected:	10/01/15 09:10
Client ID:	AEI SB6 (16-16.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/06/15 13:05
Analytical Date:	10/09/15 11:49		
Analyst:	AS		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	19000		ug/kg	630	210	3

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-12 D	Date Collected:	10/01/15 09:10
Client ID:	AEI SB6 (16-16.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	10/06/15 13:05
Analytical Date:	10/08/15 21:23		
Analyst:	AS		
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	340	86.	2
1,2,4-Trichlorobenzene	ND		ug/kg	420	140	2
Hexachlorobenzene	ND		ug/kg	250	78.	2
Bis(2-chloroethyl)ether	ND		ug/kg	380	120	2
2-Chloronaphthalene	ND		ug/kg	420	140	2
1,2-Dichlorobenzene	ND		ug/kg	420	140	2
1,3-Dichlorobenzene	ND		ug/kg	420	130	2
1,4-Dichlorobenzene	ND		ug/kg	420	130	2
3,3'-Dichlorobenzidine	ND		ug/kg	420	110	2
2,4-Dinitrotoluene	ND		ug/kg	420	90.	2
2,6-Dinitrotoluene	ND		ug/kg	420	110	2
Fluoranthene	ND		ug/kg	250	77.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	420	130	2
4-Bromophenyl phenyl ether	ND		ug/kg	420	96.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	500	150	2
Bis(2-chloroethoxy)methane	ND		ug/kg	450	130	2
Hexachlorobutadiene	ND		ug/kg	420	120	2
Hexachlorocyclopentadiene	ND		ug/kg	1200	270	2
Hexachloroethane	ND		ug/kg	340	76.	2
Isophorone	ND		ug/kg	380	110	2
Naphthalene	17000	E	ug/kg	420	140	2
Nitrobenzene	ND		ug/kg	380	100	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	340	88.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	420	120	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	420	110	2
Butyl benzyl phthalate	ND		ug/kg	420	82.	2
Di-n-butylphthalate	ND		ug/kg	420	81.	2
Di-n-octylphthalate	ND		ug/kg	420	100	2
Diethyl phthalate	ND		ug/kg	420	89.	2
Dimethyl phthalate	ND		ug/kg	420	110	2

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-12 D Date Collected: 10/01/15 09:10

Client ID: AEI SB6 (16-16.5) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	250	82.	2
Benzo(a)pyrene	ND		ug/kg	340	100	2
Benzo(b)fluoranthene	ND		ug/kg	250	85.	2
Benzo(k)fluoranthene	ND		ug/kg	250	80.	2
Chrysene	ND		ug/kg	250	82.	2
Acenaphthylene	ND		ug/kg	340	78.	2
Anthracene	ND		ug/kg	250	70.	2
Benzo(ghi)perylene	ND		ug/kg	340	87.	2
Fluorene	ND		ug/kg	420	120	2
Phenanthrene	ND		ug/kg	250	82.	2
Dibenzo(a,h)anthracene	ND		ug/kg	250	81.	2
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	340	93.	2
Pyrene	ND		ug/kg	250	82.	2
Biphenyl	210	J	ug/kg	960	140	2
4-Chloroaniline	ND		ug/kg	420	110	2
2-Nitroaniline	ND		ug/kg	420	120	2
3-Nitroaniline	ND		ug/kg	420	120	2
4-Nitroaniline	ND		ug/kg	420	110	2
Dibenzofuran	ND		ug/kg	420	140	2
2-Methylnaphthalene	16000		ug/kg	500	130	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	420	130	2
Acetophenone	ND		ug/kg	420	130	2
2,4,6-Trichlorophenol	ND		ug/kg	250	79.	2
P-Chloro-M-Cresol	ND		ug/kg	420	120	2
2-Chlorophenol	ND		ug/kg	420	130	2
2,4-Dichlorophenol	ND		ug/kg	380	140	2
2,4-Dimethylphenol	ND		ug/kg	420	120	2
2-Nitrophenol	ND		ug/kg	910	130	2
4-Nitrophenol	ND		ug/kg	590	140	2
2,4-Dinitrophenol	ND		ug/kg	2000	570	2
4,6-Dinitro-o-cresol	ND		ug/kg	1100	150	2
Pentachlorophenol	ND		ug/kg	340	90.	2
Phenol	ND		ug/kg	420	120	2
2-Methylphenol	ND		ug/kg	420	140	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	600	140	2
2,4,5-Trichlorophenol	ND		ug/kg	420	140	2
Benzoic Acid	ND		ug/kg	1400	420	2
Benzyl Alcohol	ND		ug/kg	420	130	2
Carbazole	ND		ug/kg	420	90.	2

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-12 D Date Collected: 10/01/15 09:10

Client ID: AEI SB6 (16-16.5) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown	24000	J	ug/kg			2
Unknown Alkane	21000	J	ug/kg			2
Unknown	18000	J	ug/kg			2
Unknown Alkane	15000	J	ug/kg			2
Unknown	60000	J	ug/kg			2
Unknown	34000	J	ug/kg			2
Unknown Alkane	26000	J	ug/kg			2
Unknown Benzene	38000	J	ug/kg			2
Unknown Benzene	22000	J	ug/kg			2
Unknown Benzene	27000	J	ug/kg			2
Unknown Benzene	15000	J	ug/kg			2
Unknown Benzene	44000	J	ug/kg			2
Unknown Alkane	23000	J	ug/kg			2
Unknown Benzene	23000	J	ug/kg			2
Unknown	19000	J	ug/kg			2
Unknown Benzene	30000	J	ug/kg			2
Unknown Benzene	18000	J	ug/kg			2
Unknown Alkane	20000	J	ug/kg			2
Unknown	21000	J	ug/kg			2
Unknown	18000	J	ug/kg			2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	115		10-136
4-Terphenyl-d14	85		18-120

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/07/15 17:00
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 10/06/15 13:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG828289-1					
Acenaphthene	ND		ug/kg	130	33.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/07/15 17:00
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 10/06/15 13:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG828289-1					
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	32.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/07/15 17:00
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 10/06/15 13:05

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG828289-1					
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	80		18-120

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/09/15 09:57
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/08/15 11:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG829027-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/09/15 09:57
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/08/15 11:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG829027-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/09/15 09:57
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 10/08/15 11:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG829027-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	79		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG828289-2 WG828289-3								
Acenaphthene	67		84		31-137	23		50
1,2,4-Trichlorobenzene	65		81		38-107	22		50
Hexachlorobenzene	70		88		40-140	23		50
Bis(2-chloroethyl)ether	60		76		40-140	24		50
2-Chloronaphthalene	64		81		40-140	23		50
1,2-Dichlorobenzene	58		75		40-140	26		50
1,3-Dichlorobenzene	58		73		40-140	23		50
1,4-Dichlorobenzene	58		73		28-104	23		50
3,3'-Dichlorobenzidine	60		76		40-140	24		50
2,4-Dinitrotoluene	75		**94**	Q	28-89	22		50
2,6-Dinitrotoluene	69		87		40-140	23		50
Fluoranthene	68		86		40-140	23		50
4-Chlorophenyl phenyl ether	68		86		40-140	23		50
4-Bromophenyl phenyl ether	72		89		40-140	21		50
Bis(2-chloroisopropyl)ether	59		75		40-140	24		50
Bis(2-chloroethoxy)methane	62		80		40-117	25		50
Hexachlorobutadiene	65		82		40-140	23		50
Hexachlorocyclopentadiene	107		126		40-140	16		50
Hexachloroethane	59		75		40-140	24		50
Isophorone	62		79		40-140	24		50
Naphthalene	64		80		40-140	22		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG828289-2 WG828289-3								
Nitrobenzene	67		83		40-140	21		50
NitrosoDiPhenylAmine(NDPA)/DPA	69		87		36-157	23		50
n-Nitrosodi-n-propylamine	61		78		32-121	24		50
Bis(2-Ethylhexyl)phthalate	77		94		40-140	20		50
Butyl benzyl phthalate	74		92		40-140	22		50
Di-n-butylphthalate	74		91		40-140	21		50
Di-n-octylphthalate	78		96		40-140	21		50
Diethyl phthalate	67		84		40-140	23		50
Dimethyl phthalate	68		86		40-140	23		50
Benzo(a)anthracene	68		87		40-140	25		50
Benzo(a)pyrene	72		87		40-140	19		50
Benzo(b)fluoranthene	73		88		40-140	19		50
Benzo(k)fluoranthene	70		85		40-140	19		50
Chrysene	68		87		40-140	25		50
Acenaphthylene	65		81		40-140	22		50
Anthracene	71		89		40-140	23		50
Benzo(ghi)perylene	69		89		40-140	25		50
Fluorene	68		85		40-140	22		50
Phenanthrene	68		85		40-140	22		50
Dibenzo(a,h)anthracene	73		94		40-140	25		50
Indeno(1,2,3-cd)Pyrene	68		91		40-140	29		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG828289-2 WG828289-3								
Pyrene	67		86		35-142	25		50
Biphenyl	68		85		54-104	22		50
4-Chloroaniline	55		82		40-140	39		50
2-Nitroaniline	74		91		47-134	21		50
3-Nitroaniline	59		81		26-129	31		50
4-Nitroaniline	70		91		41-125	26		50
Dibenzofuran	67		84		40-140	23		50
2-Methylnaphthalene	65		80		40-140	21		50
1,2,4,5-Tetrachlorobenzene	70		86		40-117	21		50
Acetophenone	64		81		14-144	23		50
2,4,6-Trichlorophenol	79		98		30-130	21		50
P-Chloro-M-Cresol	71		88		26-103	21		50
2-Chlorophenol	66		84		25-102	24		50
2,4-Dichlorophenol	74		92		30-130	22		50
2,4-Dimethylphenol	68		86		30-130	23		50
2-Nitrophenol	75		94		30-130	22		50
4-Nitrophenol	70		86		11-114	21		50
2,4-Dinitrophenol	107		102		4-130	5		50
4,6-Dinitro-o-cresol	98		115		10-130	16		50
Pentachlorophenol	77		86		17-109	11		50
Phenol	58		76		26-90	27		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG828289-2 WG828289-3								
2-Methylphenol	64		81		30-130.	23		50
3-Methylphenol/4-Methylphenol	65		83		30-130	24		50
2,4,5-Trichlorophenol	72		91		30-130	23		50
Benzoic Acid	**82**	Q	50		10-66	48		50
Benzyl Alcohol	62		80		40-140	25		50
Carbazole	70		89		54-128	24		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		83		25-120
Phenol-d6	64		84		10-120
Nitrobenzene-d5	67		85		23-120
2-Fluorobiphenyl	67		84		30-120
2,4,6-Tribromophenol	84		101		10-136
4-Terphenyl-d14	68		87		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG829027-2 WG829027-3								
Acenaphthene	79		79		31-137	0		50
1,2,4-Trichlorobenzene	73		75		38-107	3		50
Hexachlorobenzene	86		88		40-140	2		50
Bis(2-chloroethyl)ether	66		67		40-140	2		50
2-Chloronaphthalene	81		81		40-140	0		50
1,2-Dichlorobenzene	69		72		40-140	4		50
1,3-Dichlorobenzene	68		71		40-140	4		50
1,4-Dichlorobenzene	70		72		28-104	3		50
3,3'-Dichlorobenzidine	56		60		40-140	7		50
2,4-Dinitrotoluene	82		83		28-89	1		50
2,6-Dinitrotoluene	83		84		40-140	1		50
Fluoranthene	87		90		40-140	3		50
4-Chlorophenyl phenyl ether	80		82		40-140	2		50
4-Bromophenyl phenyl ether	87		88		40-140	1		50
Bis(2-chloroisopropyl)ether	63		63		40-140	0		50
Bis(2-chloroethoxy)methane	72		73		40-117	1		50
Hexachlorobutadiene	70		74		40-140	6		50
Hexachlorocyclopentadiene	85		90		40-140	6		50
Hexachloroethane	66		69		40-140	4		50
Isophorone	73		74		40-140	1		50
Naphthalene	74		76		40-140	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG829027-2 WG829027-3								
Nitrobenzene	67		67		40-140	0		50
NitrosoDiPhenylAmine(NDPA)/DPA	86		88		36-157	2		50
n-Nitrosodi-n-propylamine	72		72		32-121	0		50
Bis(2-Ethylhexyl)phthalate	77		76		40-140	1		50
Butyl benzyl phthalate	86		83		40-140	4		50
Di-n-butylphthalate	84		86		40-140	2		50
Di-n-octylphthalate	79		80		40-140	1		50
Diethyl phthalate	84		84		40-140	0		50
Dimethyl phthalate	82		83		40-140	1		50
Benzo(a)anthracene	82		85		40-140	4		50
Benzo(a)pyrene	81		84		40-140	4		50
Benzo(b)fluoranthene	81		82		40-140	1		50
Benzo(k)fluoranthene	82		85		40-140	4		50
Chrysene	83		84		40-140	1		50
Acenaphthylene	83		84		40-140	1		50
Anthracene	86		89		40-140	3		50
Benzo(ghi)perylene	82		86		40-140	5		50
Fluorene	84		85		40-140	1		50
Phenanthrene	84		85		40-140	1		50
Dibenzo(a,h)anthracene	83		88		40-140	6		50
Indeno(1,2,3-cd)Pyrene	83		87		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG829027-2 WG829027-3								
Pyrene	88		90		35-142	2		50
Biphenyl	79		79		54-104	0		50
4-Chloroaniline	53		53		40-140	0		50
2-Nitroaniline	80		80		47-134	0		50
3-Nitroaniline	60		66		26-129	10		50
4-Nitroaniline	77		79		41-125	3		50
Dibenzofuran	83		83		40-140	0		50
2-Methylnaphthalene	79		80		40-140	1		50
1,2,4,5-Tetrachlorobenzene	74		75		40-117	1		50
Acetophenone	76		76		14-144	0		50
2,4,6-Trichlorophenol	87		87		30-130	0		50
P-Chloro-M-Cresol	80		80		26-103	0		50
2-Chlorophenol	77		76		25-102	1		50
2,4-Dichlorophenol	80		82		30-130	2		50
2,4-Dimethylphenol	84		83		30-130	1		50
2-Nitrophenol	77		77		30-130	0		50
4-Nitrophenol	82		83		11-114	1		50
2,4-Dinitrophenol	41		41		4-130	0		50
4,6-Dinitro-o-cresol	71		70		10-130	1		50
Pentachlorophenol	79		79		17-109	0		50
Phenol	73		74		26-90	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG829027-2 WG829027-3								
2-Methylphenol	79		81		30-130.	3		50
3-Methylphenol/4-Methylphenol	80		80		30-130	0		50
2,4,5-Trichlorophenol	83		86		30-130	4		50
Benzoic Acid	21		22		10-66	5		50
Benzyl Alcohol	78		76		40-140	3		50
Carbazole	88		90		54-128	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		69		25-120
Phenol-d6	73		71		10-120
Nitrobenzene-d5	67		67		23-120
2-Fluorobiphenyl	78		75		30-120
2,4,6-Tribromophenol	85		85		10-136
4-Terphenyl-d14	86		85		18-120

PCBS

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-01	Date Collected:	09/28/15 08:50
Client ID:	AEI SB7 (10-10.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:25
Analytical Date:	10/06/15 15:02	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	91%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	2.83	1	A
Aroclor 1221	ND		ug/kg	35.8	3.30	1	A
Aroclor 1232	ND		ug/kg	35.8	4.19	1	A
Aroclor 1242	ND		ug/kg	35.8	4.38	1	A
Aroclor 1248	ND		ug/kg	35.8	3.02	1	A
Aroclor 1254	ND		ug/kg	35.8	2.94	1	A
Aroclor 1260	ND		ug/kg	35.8	2.73	1	A
Aroclor 1262	ND		ug/kg	35.8	1.77	1	A
Aroclor 1268	ND		ug/kg	35.8	5.19	1	A
PCBs, Total	ND		ug/kg	35.8	1.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-02	Date Collected:	09/28/15 09:00
Client ID:	AEI SB7 (19-19.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:25
Analytical Date:	10/06/15 15:16	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	86%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.5	2.96	1	A
Aroclor 1221	ND		ug/kg	37.5	3.46	1	A
Aroclor 1232	ND		ug/kg	37.5	4.40	1	A
Aroclor 1242	ND		ug/kg	37.5	4.59	1	A
Aroclor 1248	ND		ug/kg	37.5	3.17	1	A
Aroclor 1254	ND		ug/kg	37.5	3.08	1	A
Aroclor 1260	ND		ug/kg	37.5	2.86	1	A
Aroclor 1262	ND		ug/kg	37.5	1.86	1	A
Aroclor 1268	ND		ug/kg	37.5	5.44	1	A
PCBs, Total	ND		ug/kg	37.5	1.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-03	Date Collected:	09/28/15 10:25
Client ID:	AEI SB4 (14.5-15)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:25
Analytical Date:	10/06/15 15:29	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	74%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.6	3.53	1	A
Aroclor 1221	ND		ug/kg	44.6	4.12	1	A
Aroclor 1232	ND		ug/kg	44.6	5.23	1	A
Aroclor 1242	ND		ug/kg	44.6	5.47	1	A
Aroclor 1248	ND		ug/kg	44.6	3.77	1	A
Aroclor 1254	ND		ug/kg	44.6	3.67	1	A
Aroclor 1260	ND		ug/kg	44.6	3.40	1	A
Aroclor 1262	ND		ug/kg	44.6	2.22	1	A
Aroclor 1268	ND		ug/kg	44.6	6.48	1	A
PCBs, Total	ND		ug/kg	44.6	2.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-04	Date Collected:	09/28/15 10:30
Client ID:	AEI SB4 (17.5-18)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:25
Analytical Date:	10/06/15 15:42	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	89%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	2.86	1	A
Aroclor 1221	ND		ug/kg	36.3	3.34	1	A
Aroclor 1232	ND		ug/kg	36.3	4.25	1	A
Aroclor 1242	ND		ug/kg	36.3	4.44	1	A
Aroclor 1248	ND		ug/kg	36.3	3.06	1	A
Aroclor 1254	ND		ug/kg	36.3	2.98	1	A
Aroclor 1260	ND		ug/kg	36.3	2.76	1	A
Aroclor 1262	ND		ug/kg	36.3	1.80	1	A
Aroclor 1268	ND		ug/kg	36.3	5.26	1	A
PCBs, Total	ND		ug/kg	36.3	1.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-05	Date Collected:	09/28/15 13:00
Client ID:	AEI SB3 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:25
Analytical Date:	10/06/15 17:02	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	84%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.12	1	A
Aroclor 1221	ND		ug/kg	39.4	3.64	1	A
Aroclor 1232	ND		ug/kg	39.4	4.62	1	A
Aroclor 1242	ND		ug/kg	39.4	4.83	1	A
Aroclor 1248	ND		ug/kg	39.4	3.33	1	A
Aroclor 1254	ND		ug/kg	39.4	3.24	1	A
Aroclor 1260	ND		ug/kg	39.4	3.00	1	B
Aroclor 1262	ND		ug/kg	39.4	1.96	1	A
Aroclor 1268	ND		ug/kg	39.4	5.72	1	A
PCBs, Total	ND		ug/kg	39.4	1.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-06	Date Collected:	09/28/15 13:05
Client ID:	AEI SB3 (20-20.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:25
Analytical Date:	10/06/15 17:16	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	86%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.0	3.00	1	A
Aroclor 1221	ND		ug/kg	38.0	3.50	1	A
Aroclor 1232	ND		ug/kg	38.0	4.45	1	A
Aroclor 1242	ND		ug/kg	38.0	4.64	1	A
Aroclor 1248	ND		ug/kg	38.0	3.20	1	A
Aroclor 1254	ND		ug/kg	38.0	3.12	1	A
Aroclor 1260	ND		ug/kg	38.0	2.89	1	A
Aroclor 1262	ND		ug/kg	38.0	1.88	1	A
Aroclor 1268	ND		ug/kg	38.0	5.50	1	A
PCBs, Total	ND		ug/kg	38.0	1.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-07	Date Collected:	09/28/15 14:10
Client ID:	AEI SB1 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:25
Analytical Date:	10/06/15 17:29	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	81%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.0	3.16	1	A
Aroclor 1221	ND		ug/kg	40.0	3.69	1	A
Aroclor 1232	ND		ug/kg	40.0	4.69	1	A
Aroclor 1242	ND		ug/kg	40.0	4.90	1	A
Aroclor 1248	ND		ug/kg	40.0	3.38	1	A
Aroclor 1254	ND		ug/kg	40.0	3.29	1	A
Aroclor 1260	ND		ug/kg	40.0	3.05	1	A
Aroclor 1262	ND		ug/kg	40.0	1.98	1	A
Aroclor 1268	ND		ug/kg	40.0	5.80	1	A
PCBs, Total	ND		ug/kg	40.0	1.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-08	Date Collected:	09/28/15 14:15
Client ID:	AEI SB1 (19-19.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:25
Analytical Date:	10/06/15 17:42	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	88%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	2.90	1	A
Aroclor 1221	ND		ug/kg	36.8	3.39	1	A
Aroclor 1232	ND		ug/kg	36.8	4.31	1	A
Aroclor 1242	ND		ug/kg	36.8	4.50	1	A
Aroclor 1248	ND		ug/kg	36.8	3.10	1	A
Aroclor 1254	ND		ug/kg	36.8	3.02	1	A
Aroclor 1260	ND		ug/kg	36.8	2.80	1	A
Aroclor 1262	ND		ug/kg	36.8	1.82	1	A
Aroclor 1268	ND		ug/kg	36.8	5.33	1	A
PCBs, Total	ND		ug/kg	36.8	1.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-09	Date Collected:	09/29/15 09:10
Client ID:	AEI MW3 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:25
Analytical Date:	10/06/15 17:56	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	92%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	2.82	1	A
Aroclor 1221	ND		ug/kg	35.6	3.28	1	A
Aroclor 1232	ND		ug/kg	35.6	4.18	1	A
Aroclor 1242	ND		ug/kg	35.6	4.36	1	A
Aroclor 1248	ND		ug/kg	35.6	3.01	1	A
Aroclor 1254	ND		ug/kg	35.6	2.93	1	A
Aroclor 1260	ND		ug/kg	35.6	2.72	1	A
Aroclor 1262	ND		ug/kg	35.6	1.77	1	A
Aroclor 1268	ND		ug/kg	35.6	5.17	1	A
PCBs, Total	ND		ug/kg	35.6	1.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-10	Date Collected:	09/29/15 09:15
Client ID:	AEI MW3 (19.5-20)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:25
Analytical Date:	10/06/15 18:09	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	89%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	2.80	1	A
Aroclor 1221	ND		ug/kg	35.4	3.26	1	A
Aroclor 1232	ND		ug/kg	35.4	4.15	1	A
Aroclor 1242	ND		ug/kg	35.4	4.33	1	A
Aroclor 1248	ND		ug/kg	35.4	2.99	1	A
Aroclor 1254	ND		ug/kg	35.4	2.91	1	A
Aroclor 1260	ND		ug/kg	35.4	2.70	1	A
Aroclor 1262	ND		ug/kg	35.4	1.76	1	A
Aroclor 1268	ND		ug/kg	35.4	5.13	1	A
PCBs, Total	ND		ug/kg	35.4	1.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-11	Date Collected:	10/01/15 09:05
Client ID:	AEI SB6 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:25
Analytical Date:	10/06/15 18:22	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	80%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.4	3.19	1	A
Aroclor 1221	ND		ug/kg	40.4	3.72	1	A
Aroclor 1232	ND		ug/kg	40.4	4.73	1	A
Aroclor 1242	ND		ug/kg	40.4	4.94	1	A
Aroclor 1248	ND		ug/kg	40.4	3.41	1	A
Aroclor 1254	ND		ug/kg	40.4	3.32	1	A
Aroclor 1260	ND		ug/kg	40.4	3.08	1	A
Aroclor 1262	ND		ug/kg	40.4	2.00	1	A
Aroclor 1268	ND		ug/kg	40.4	5.85	1	A
PCBs, Total	ND		ug/kg	40.4	2.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	36		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-12	Date Collected:	10/01/15 09:10
Client ID:	AEI SB6 (16-16.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:26
Analytical Date:	10/06/15 18:35	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	78%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.8	3.23	1	A
Aroclor 1221	ND		ug/kg	40.8	3.77	1	A
Aroclor 1232	ND		ug/kg	40.8	4.79	1	A
Aroclor 1242	ND		ug/kg	40.8	5.00	1	A
Aroclor 1248	ND		ug/kg	40.8	3.45	1	A
Aroclor 1254	ND		ug/kg	40.8	3.36	1	A
Aroclor 1260	ND		ug/kg	40.8	3.11	1	A
Aroclor 1262	ND		ug/kg	40.8	2.03	1	A
Aroclor 1268	ND		ug/kg	40.8	5.92	1	A
PCBs, Total	ND		ug/kg	40.8	2.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-13	Date Collected:	10/01/15 11:30
Client ID:	AEI SB8 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:26
Analytical Date:	10/06/15 18:49	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	58%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.2	4.52	1	A
Aroclor 1221	ND		ug/kg	57.2	5.27	1	A
Aroclor 1232	ND		ug/kg	57.2	6.70	1	A
Aroclor 1242	ND		ug/kg	57.2	7.00	1	A
Aroclor 1248	ND		ug/kg	57.2	4.82	1	A
Aroclor 1254	ND		ug/kg	57.2	4.70	1	A
Aroclor 1260	600		ug/kg	57.2	4.36	1	B
Aroclor 1262	ND		ug/kg	57.2	2.84	1	A
Aroclor 1268	ND		ug/kg	57.2	8.29	1	A
PCBs, Total	600		ug/kg	57.2	2.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-14	Date Collected:	10/01/15 11:35
Client ID:	AEI SB8 (19.5-20)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:26
Analytical Date:	10/06/15 19:02	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	90%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	2.87	1	A
Aroclor 1221	ND		ug/kg	36.3	3.35	1	A
Aroclor 1232	ND		ug/kg	36.3	4.26	1	A
Aroclor 1242	ND		ug/kg	36.3	4.45	1	A
Aroclor 1248	ND		ug/kg	36.3	3.07	1	A
Aroclor 1254	ND		ug/kg	36.3	2.99	1	A
Aroclor 1260	ND		ug/kg	36.3	2.77	1	A
Aroclor 1262	ND		ug/kg	36.3	1.80	1	A
Aroclor 1268	ND		ug/kg	36.3	5.27	1	A
PCBs, Total	ND		ug/kg	36.3	1.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-15	Date Collected:	09/30/15 14:30
Client ID:	AEI SB5 (14-14.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:26
Analytical Date:	10/06/15 19:16	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	89%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	2.86	1	A
Aroclor 1221	ND		ug/kg	36.2	3.34	1	A
Aroclor 1232	ND		ug/kg	36.2	4.25	1	A
Aroclor 1242	ND		ug/kg	36.2	4.44	1	A
Aroclor 1248	ND		ug/kg	36.2	3.06	1	A
Aroclor 1254	ND		ug/kg	36.2	2.98	1	A
Aroclor 1260	ND		ug/kg	36.2	2.76	1	A
Aroclor 1262	ND		ug/kg	36.2	1.80	1	A
Aroclor 1268	ND		ug/kg	36.2	5.26	1	A
PCBs, Total	ND		ug/kg	36.2	1.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-16	Date Collected:	09/30/15 14:35
Client ID:	AEI SB5 (20-20.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:26
Analytical Date:	10/06/15 19:29	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	88%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	2.94	1	A
Aroclor 1221	ND		ug/kg	37.2	3.44	1	A
Aroclor 1232	ND		ug/kg	37.2	4.37	1	A
Aroclor 1242	ND		ug/kg	37.2	4.56	1	A
Aroclor 1248	ND		ug/kg	37.2	3.14	1	A
Aroclor 1254	ND		ug/kg	37.2	3.06	1	A
Aroclor 1260	ND		ug/kg	37.2	2.84	1	A
Aroclor 1262	ND		ug/kg	37.2	1.85	1	A
Aroclor 1268	ND		ug/kg	37.2	5.40	1	A
PCBs, Total	ND		ug/kg	37.2	1.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-17	Date Collected:	09/30/15 10:45
Client ID:	AEI SB2 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:26
Analytical Date:	10/06/15 19:42	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	88%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	2.88	1	A
Aroclor 1221	ND		ug/kg	36.4	3.36	1	A
Aroclor 1232	ND		ug/kg	36.4	4.26	1	A
Aroclor 1242	ND		ug/kg	36.4	4.46	1	A
Aroclor 1248	ND		ug/kg	36.4	3.07	1	A
Aroclor 1254	ND		ug/kg	36.4	2.99	1	A
Aroclor 1260	ND		ug/kg	36.4	2.77	1	A
Aroclor 1262	ND		ug/kg	36.4	1.80	1	A
Aroclor 1268	ND		ug/kg	36.4	5.28	1	A
PCBs, Total	ND		ug/kg	36.4	1.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-18	Date Collected:	09/30/15 11:40
Client ID:	AEI SB2 (20-20.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	10/05/15 13:26
Analytical Date:	10/06/15 19:56	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	10/06/15
Percent Solids:	93%	Cleanup Method:	EPA 3660B
		Cleanup Date:	10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	2.81	1	A
Aroclor 1221	ND		ug/kg	35.5	3.27	1	A
Aroclor 1232	ND		ug/kg	35.5	4.16	1	A
Aroclor 1242	ND		ug/kg	35.5	4.35	1	A
Aroclor 1248	ND		ug/kg	35.5	3.00	1	A
Aroclor 1254	ND		ug/kg	35.5	2.92	1	A
Aroclor 1260	ND		ug/kg	35.5	2.71	1	A
Aroclor 1262	ND		ug/kg	35.5	1.76	1	A
Aroclor 1268	ND		ug/kg	35.5	5.15	1	A
PCBs, Total	ND		ug/kg	35.5	1.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: LAM GEN

Project Number: 343443

Lab Number: L1524759

Report Date: 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/06/15 15:56
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 10/05/15 13:25
Cleanup Method: EPA 3665A
Cleanup Date: 10/05/15
Cleanup Method: EPA 3660B
Cleanup Date: 10/05/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-18 Batch: WG827934-1						
Aroclor 1016	ND		ug/kg	31.8	2.51	A
Aroclor 1221	ND		ug/kg	31.8	2.93	A
Aroclor 1232	ND		ug/kg	31.8	3.73	A
Aroclor 1242	ND		ug/kg	31.8	3.90	A
Aroclor 1248	ND		ug/kg	31.8	2.69	A
Aroclor 1254	ND		ug/kg	31.8	2.62	A
Aroclor 1260	ND		ug/kg	31.8	2.42	A
Aroclor 1262	ND		ug/kg	31.8	1.58	A
Aroclor 1268	ND		ug/kg	31.8	4.61	A
PCBs, Total	ND		ug/kg	31.8	1.58	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	59		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-18 Batch: WG827934-2 WG827934-3									
Aroclor 1016	96		95		40-140	1		50	A
Aroclor 1260	80		80		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		88		30-150	A
Decachlorobiphenyl	67		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		85		30-150	B
Decachlorobiphenyl	59		58		30-150	B

PESTICIDES

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-01	Date Collected:	09/28/15 08:50
Client ID:	AEI SB7 (10-10.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:37
Analytical Date:	10/06/15 21:43	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	2.48	PI	ug/kg	1.71	0.335	1	B
Lindane	ND		ug/kg	0.713	0.319	1	A
Alpha-BHC	ND		ug/kg	0.713	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.649	1	A
Heptachlor	ND		ug/kg	0.856	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.603	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.963	1	A
Endrin	ND		ug/kg	0.713	0.292	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.535	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.611	1	A
4,4'-DDT	ND		ug/kg	3.21	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.404	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.713	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	0.999	1	A
Toxaphene	ND		ug/kg	32.1	8.99	1	A
cis-Chlordane	ND		ug/kg	2.14	0.596	1	A
trans-Chlordane	ND		ug/kg	2.14	0.565	1	A
Chlordane	ND		ug/kg	13.9	5.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		30-150	B
Decachlorobiphenyl	135		30-150	B
2,4,5,6-Tetrachloro-m-xylene	115		30-150	A
Decachlorobiphenyl	139		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-02	Date Collected:	09/28/15 09:00
Client ID:	AEI SB7 (19-19.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:37
Analytical Date:	10/06/15 21:56	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.352	1	A
Lindane	ND		ug/kg	0.749	0.335	1	A
Alpha-BHC	ND		ug/kg	0.749	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.682	1	A
Heptachlor	ND		ug/kg	0.899	0.403	1	A
Aldrin	ND		ug/kg	1.80	0.633	1	A
Heptachlor epoxide	ND		ug/kg	3.37	1.01	1	A
Endrin	ND		ug/kg	0.749	0.307	1	A
Endrin ketone	ND		ug/kg	1.80	0.463	1	A
Dieldrin	ND		ug/kg	1.12	0.562	1	A
4,4'-DDE	ND		ug/kg	1.80	0.416	1	A
4,4'-DDD	ND		ug/kg	1.80	0.642	1	A
4,4'-DDT	ND		ug/kg	3.37	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.425	1	A
Endosulfan II	ND		ug/kg	1.80	0.601	1	A
Endosulfan sulfate	0.791	PI	ug/kg	0.749	0.357	1	A
Methoxychlor	ND		ug/kg	3.37	1.05	1	A
Toxaphene	ND		ug/kg	33.7	9.44	1	A
cis-Chlordane	ND		ug/kg	2.25	0.626	1	A
trans-Chlordane	ND		ug/kg	2.25	0.594	1	A
Chlordane	ND		ug/kg	14.6	5.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-03	Date Collected:	09/28/15 10:25
Client ID:	AEI SB4 (14.5-15)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:37
Analytical Date:	10/06/15 22:09	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.14	0.418	1	A
Lindane	ND		ug/kg	0.890	0.398	1	A
Alpha-BHC	ND		ug/kg	0.890	0.253	1	A
Beta-BHC	ND		ug/kg	2.14	0.810	1	A
Heptachlor	ND		ug/kg	1.07	0.479	1	A
Aldrin	ND		ug/kg	2.14	0.752	1	A
Heptachlor epoxide	ND		ug/kg	4.00	1.20	1	A
Endrin	ND		ug/kg	0.890	0.365	1	A
Endrin ketone	ND		ug/kg	2.14	0.550	1	A
Dieldrin	ND		ug/kg	1.33	0.667	1	A
4,4'-DDE	ND		ug/kg	2.14	0.494	1	A
4,4'-DDD	ND		ug/kg	2.14	0.762	1	A
4,4'-DDT	ND		ug/kg	4.00	1.72	1	A
Endosulfan I	ND		ug/kg	2.14	0.504	1	A
Endosulfan II	ND		ug/kg	2.14	0.714	1	A
Endosulfan sulfate	0.925	PI	ug/kg	0.890	0.423	1	A
Methoxychlor	ND		ug/kg	4.00	1.24	1	A
Toxaphene	ND		ug/kg	40.0	11.2	1	A
cis-Chlordane	ND		ug/kg	2.67	0.744	1	A
trans-Chlordane	ND		ug/kg	2.67	0.705	1	A
Chlordane	ND		ug/kg	17.3	7.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	98		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-04	Date Collected:	09/28/15 10:30
Client ID:	AEI SB4 (17.5-18)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:37
Analytical Date:	10/06/15 22:22	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.338	1	A
Lindane	ND		ug/kg	0.718	0.321	1	A
Alpha-BHC	ND		ug/kg	0.718	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.654	1	A
Heptachlor	ND		ug/kg	0.862	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.607	1	A
Heptachlor epoxide	ND		ug/kg	3.23	0.970	1	A
Endrin	ND		ug/kg	0.718	0.294	1	A
Endrin ketone	ND		ug/kg	1.72	0.444	1	A
Dieldrin	ND		ug/kg	1.08	0.539	1	A
4,4'-DDE	ND		ug/kg	1.72	0.399	1	A
4,4'-DDD	ND		ug/kg	1.72	0.615	1	A
4,4'-DDT	ND		ug/kg	3.23	1.39	1	A
Endosulfan I	ND		ug/kg	1.72	0.407	1	A
Endosulfan II	ND		ug/kg	1.72	0.576	1	A
Endosulfan sulfate	ND		ug/kg	0.718	0.342	1	A
Methoxychlor	ND		ug/kg	3.23	1.00	1	A
Toxaphene	ND		ug/kg	32.3	9.05	1	A
cis-Chlordane	ND		ug/kg	2.16	0.601	1	A
trans-Chlordane	ND		ug/kg	2.16	0.569	1	A
Chlordane	ND		ug/kg	14.0	5.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	124		30-150	B
2,4,5,6-Tetrachloro-m-xylene	113		30-150	A
Decachlorobiphenyl	149		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-05	Date Collected:	09/28/15 13:00
Client ID:	AEI SB3 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:37
Analytical Date:	10/06/15 22:35	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.361	1	A
Lindane	ND		ug/kg	0.769	0.344	1	A
Alpha-BHC	ND		ug/kg	0.769	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.700	1	A
Heptachlor	ND		ug/kg	0.922	0.414	1	B
Aldrin	ND		ug/kg	1.84	0.650	1	A
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1	A
Endrin	ND		ug/kg	0.769	0.315	1	A
Endrin ketone	ND		ug/kg	1.84	0.475	1	A
Dieldrin	ND		ug/kg	1.15	0.577	1	A
4,4'-DDE	ND		ug/kg	1.84	0.427	1	A
4,4'-DDD	ND		ug/kg	1.84	0.658	1	A
4,4'-DDT	ND		ug/kg	3.46	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.436	1	A
Endosulfan II	ND		ug/kg	1.84	0.616	1	A
Endosulfan sulfate	ND		ug/kg	0.769	0.366	1	A
Methoxychlor	ND		ug/kg	3.46	1.08	1	A
Toxaphene	ND		ug/kg	34.6	9.69	1	A
cis-Chlordane	ND		ug/kg	2.31	0.643	1	A
trans-Chlordane	1.65	JPI	ug/kg	2.31	0.609	1	A
Chlordane	ND		ug/kg	15.0	6.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	128		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-06	Date Collected:	09/28/15 13:05
Client ID:	AEI SB3 (20-20.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:37
Analytical Date:	10/06/15 22:48	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.349	1	A
Lindane	ND		ug/kg	0.743	0.332	1	A
Alpha-BHC	ND		ug/kg	0.743	0.211	1	A
Beta-BHC	ND		ug/kg	1.78	0.676	1	A
Heptachlor	ND		ug/kg	0.891	0.400	1	A
Aldrin	ND		ug/kg	1.78	0.628	1	A
Heptachlor epoxide	ND		ug/kg	3.34	1.00	1	A
Endrin	ND		ug/kg	0.743	0.304	1	A
Endrin ketone	ND		ug/kg	1.78	0.459	1	A
Dieldrin	ND		ug/kg	1.11	0.557	1	A
4,4'-DDE	ND		ug/kg	1.78	0.412	1	A
4,4'-DDD	ND		ug/kg	1.78	0.636	1	A
4,4'-DDT	ND		ug/kg	3.34	1.43	1	A
Endosulfan I	ND		ug/kg	1.78	0.421	1	A
Endosulfan II	ND		ug/kg	1.78	0.596	1	A
Endosulfan sulfate	ND		ug/kg	0.743	0.354	1	A
Methoxychlor	ND		ug/kg	3.34	1.04	1	A
Toxaphene	ND		ug/kg	33.4	9.36	1	A
cis-Chlordane	ND		ug/kg	2.23	0.621	1	A
trans-Chlordane	0.746	JPI	ug/kg	2.23	0.588	1	A
Chlordane	ND		ug/kg	14.5	5.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	115		30-150	B
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	103		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-07	Date Collected:	09/28/15 14:10
Client ID:	AEI SB1 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:37
Analytical Date:	10/06/15 23:02	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.97	0.386	1	A
Lindane	ND		ug/kg	0.822	0.367	1	A
Alpha-BHC	ND		ug/kg	0.822	0.233	1	A
Beta-BHC	ND		ug/kg	1.97	0.748	1	A
Heptachlor	ND		ug/kg	0.986	0.442	1	A
Aldrin	ND		ug/kg	1.97	0.694	1	A
Heptachlor epoxide	ND		ug/kg	3.70	1.11	1	A
Endrin	ND		ug/kg	0.822	0.337	1	A
Endrin ketone	ND		ug/kg	1.97	0.508	1	A
Dieldrin	ND		ug/kg	1.23	0.616	1	A
4,4'-DDE	ND		ug/kg	1.97	0.456	1	A
4,4'-DDD	ND		ug/kg	1.97	0.704	1	A
4,4'-DDT	ND		ug/kg	3.70	1.59	1	A
Endosulfan I	ND		ug/kg	1.97	0.466	1	A
Endosulfan II	ND		ug/kg	1.97	0.659	1	A
Endosulfan sulfate	ND		ug/kg	0.822	0.391	1	A
Methoxychlor	ND		ug/kg	3.70	1.15	1	A
Toxaphene	ND		ug/kg	37.0	10.4	1	A
cis-Chlordane	ND		ug/kg	2.46	0.687	1	A
trans-Chlordane	1.20	JPI	ug/kg	2.46	0.651	1	A
Chlordane	ND		ug/kg	16.0	6.53	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	128		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-08	Date Collected:	09/28/15 14:15
Client ID:	AEI SB1 (19-19.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:37
Analytical Date:	10/07/15 00:07	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.733	0.328	1	A
Alpha-BHC	ND		ug/kg	0.733	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.667	1	A
Heptachlor	ND		ug/kg	0.879	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.619	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.989	1	A
Endrin	ND		ug/kg	0.733	0.300	1	A
Endrin ketone	ND		ug/kg	1.76	0.453	1	A
Dieldrin	ND		ug/kg	1.10	0.550	1	A
4,4'-DDE	ND		ug/kg	1.76	0.407	1	A
4,4'-DDD	ND		ug/kg	1.76	0.627	1	A
4,4'-DDT	ND		ug/kg	3.30	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.588	1	A
Endosulfan sulfate	ND		ug/kg	0.733	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.23	1	A
cis-Chlordane	ND		ug/kg	2.20	0.613	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.3	5.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	145		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	123		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-09	Date Collected:	09/29/15 09:10
Client ID:	AEI MW3 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:37
Analytical Date:	10/07/15 00:20	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.336	1	A
Lindane	ND		ug/kg	0.714	0.319	1	A
Alpha-BHC	ND		ug/kg	0.714	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.650	1	A
Heptachlor	ND		ug/kg	0.857	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.603	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.964	1	A
Endrin	ND		ug/kg	0.714	0.293	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.536	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.611	1	A
4,4'-DDT	ND		ug/kg	3.21	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.405	1	A
Endosulfan II	ND		ug/kg	1.71	0.573	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	1.00	1	A
Toxaphene	ND		ug/kg	32.1	9.00	1	A
cis-Chlordane	ND		ug/kg	2.14	0.597	1	A
trans-Chlordane	ND		ug/kg	2.14	0.566	1	A
Chlordane	ND		ug/kg	13.9	5.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	**168**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	**155**	Q	30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-10	Date Collected:	09/29/15 09:15
Client ID:	AEI MW3 (19.5-20)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:37
Analytical Date:	10/07/15 00:33	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.345	1	A
Lindane	ND		ug/kg	0.734	0.328	1	A
Alpha-BHC	ND		ug/kg	0.734	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.668	1	A
Heptachlor	ND		ug/kg	0.881	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.620	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.991	1	A
Endrin	ND		ug/kg	0.734	0.301	1	A
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	ND		ug/kg	1.10	0.550	1	A
4,4'-DDE	ND		ug/kg	1.76	0.407	1	A
4,4'-DDD	ND		ug/kg	1.76	0.628	1	A
4,4'-DDT	ND		ug/kg	3.30	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.589	1	A
Endosulfan sulfate	ND		ug/kg	0.734	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.25	1	A
cis-Chlordane	ND		ug/kg	2.20	0.614	1	A
trans-Chlordane	ND		ug/kg	2.20	0.581	1	A
Chlordane	ND		ug/kg	14.3	5.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	105		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-11	Date Collected:	10/01/15 09:05
Client ID:	AEI SB6 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:37
Analytical Date:	10/07/15 00:59	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.97	0.385	1	A
Lindane	ND		ug/kg	0.820	0.367	1	A
Alpha-BHC	ND		ug/kg	0.820	0.233	1	A
Beta-BHC	ND		ug/kg	1.97	0.746	1	A
Heptachlor	ND		ug/kg	0.984	0.441	1	A
Aldrin	ND		ug/kg	1.97	0.693	1	A
Heptachlor epoxide	ND		ug/kg	3.69	1.11	1	A
Endrin	ND		ug/kg	0.820	0.336	1	A
Endrin ketone	ND		ug/kg	1.97	0.507	1	A
Dieldrin	ND		ug/kg	1.23	0.615	1	A
4,4'-DDE	ND		ug/kg	1.97	0.455	1	A
4,4'-DDD	ND		ug/kg	1.97	0.702	1	A
4,4'-DDT	ND		ug/kg	3.69	1.58	1	A
Endosulfan I	ND		ug/kg	1.97	0.465	1	A
Endosulfan II	ND		ug/kg	1.97	0.658	1	A
Endosulfan sulfate	ND		ug/kg	0.820	0.390	1	A
Methoxychlor	ND		ug/kg	3.69	1.15	1	A
Toxaphene	ND		ug/kg	36.9	10.3	1	A
cis-Chlordane	ND		ug/kg	2.46	0.686	1	A
trans-Chlordane	ND		ug/kg	2.46	0.650	1	A
Chlordane	ND		ug/kg	16.0	6.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	110		30-150	B
2,4,5,6-Tetrachloro-m-xylene	117		30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-12	Date Collected:	10/01/15 09:10
Client ID:	AEI SB6 (16-16.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:38
Analytical Date:	10/07/15 01:12	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.98	0.388	1	A
Lindane	ND		ug/kg	0.825	0.369	1	A
Alpha-BHC	ND		ug/kg	0.825	0.234	1	A
Beta-BHC	ND		ug/kg	1.98	0.751	1	A
Heptachlor	ND		ug/kg	0.990	0.444	1	A
Aldrin	ND		ug/kg	1.98	0.697	1	A
Heptachlor epoxide	ND		ug/kg	3.71	1.11	1	A
Endrin	ND		ug/kg	0.825	0.338	1	A
Endrin ketone	ND		ug/kg	1.98	0.510	1	A
Dieldrin	ND		ug/kg	1.24	0.619	1	A
4,4'-DDE	ND		ug/kg	1.98	0.458	1	A
4,4'-DDD	ND		ug/kg	1.98	0.706	1	A
4,4'-DDT	ND		ug/kg	3.71	1.59	1	A
Endosulfan I	ND		ug/kg	1.98	0.468	1	A
Endosulfan II	ND		ug/kg	1.98	0.662	1	A
Endosulfan sulfate	ND		ug/kg	0.825	0.393	1	A
Methoxychlor	ND		ug/kg	3.71	1.15	1	A
Toxaphene	ND		ug/kg	37.1	10.4	1	A
cis-Chlordane	ND		ug/kg	2.47	0.690	1	A
trans-Chlordane	ND		ug/kg	2.47	0.653	1	A
Chlordane	ND		ug/kg	16.1	6.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	112		30-150	B
2,4,5,6-Tetrachloro-m-xylene	112		30-150	A
Decachlorobiphenyl	128		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-13	Date Collected:	10/01/15 11:30
Client ID:	AEI SB8 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:38
Analytical Date:	10/07/15 18:38	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	58%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.61	0.512	1	A
Lindane	ND		ug/kg	1.09	0.487	1	A
Alpha-BHC	ND		ug/kg	1.09	0.309	1	A
Beta-BHC	ND		ug/kg	2.61	0.991	1	A
Heptachlor	ND		ug/kg	1.31	0.586	1	A
Aldrin	ND		ug/kg	2.61	0.920	1	A
Heptachlor epoxide	ND		ug/kg	4.90	1.47	1	A
Endrin	ND		ug/kg	1.09	0.446	1	A
Endrin ketone	ND		ug/kg	2.61	0.673	1	A
Dieldrin	30.7	P	ug/kg	1.63	0.817	1	A
4,4'-DDE	21.2	PI	ug/kg	2.61	0.604	1	B
4,4'-DDD	162		ug/kg	2.61	0.932	1	B
4,4'-DDT	287	E	ug/kg	4.90	2.10	1	B
Endosulfan I	ND		ug/kg	2.61	0.617	1	A
Endosulfan II	ND		ug/kg	2.61	0.873	1	A
Endosulfan sulfate	ND		ug/kg	1.09	0.518	1	A
Methoxychlor	ND		ug/kg	4.90	1.52	1	A
Toxaphene	ND		ug/kg	49.0	13.7	1	A
cis-Chlordane	7.22		ug/kg	3.27	0.910	1	B
trans-Chlordane	29.0	PI	ug/kg	3.27	0.862	1	A
Chlordane	254		ug/kg	21.2	8.66	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	**174**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	106		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-13 D	Date Collected:	10/01/15 11:30
Client ID:	AEI SB8 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:38
Analytical Date:	10/07/15 18:51	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	58%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
4,4'-DDT	274		ug/kg	9.80	4.20	2	B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-14	Date Collected:	10/01/15 11:35
Client ID:	AEI SB8 (19.5-20)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:38
Analytical Date:	10/07/15 01:38	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	3.38		ug/kg	1.77	0.347	1	A
Lindane	ND		ug/kg	0.738	0.330	1	A
Alpha-BHC	ND		ug/kg	0.738	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.671	1	A
Heptachlor	ND		ug/kg	0.885	0.397	1	A
Aldrin	ND		ug/kg	1.77	0.623	1	A
Heptachlor epoxide	ND		ug/kg	3.32	0.996	1	A
Endrin	ND		ug/kg	0.738	0.302	1	A
Endrin ketone	ND		ug/kg	1.77	0.456	1	A
Dieldrin	ND		ug/kg	1.11	0.553	1	A
4,4'-DDE	ND		ug/kg	1.77	0.409	1	A
4,4'-DDD	ND		ug/kg	1.77	0.631	1	A
4,4'-DDT	ND		ug/kg	3.32	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.418	1	A
Endosulfan II	ND		ug/kg	1.77	0.592	1	A
Endosulfan sulfate	ND		ug/kg	0.738	0.351	1	A
Methoxychlor	ND		ug/kg	3.32	1.03	1	A
Toxaphene	ND		ug/kg	33.2	9.29	1	A
cis-Chlordane	ND		ug/kg	2.21	0.617	1	A
trans-Chlordane	ND		ug/kg	2.21	0.584	1	A
Chlordane	ND		ug/kg	14.4	5.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	82		30-150	B
2,4,5,6-Tetrachloro-m-xylene	112		30-150	A
Decachlorobiphenyl	80		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-15	Date Collected:	09/30/15 14:30
Client ID:	AEI SB5 (14-14.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:38
Analytical Date:	10/07/15 01:51	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.332	1	A
Lindane	ND		ug/kg	0.707	0.316	1	A
Alpha-BHC	ND		ug/kg	0.707	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.643	1	A
Heptachlor	ND		ug/kg	0.848	0.380	1	A
Aldrin	ND		ug/kg	1.70	0.597	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.954	1	A
Endrin	ND		ug/kg	0.707	0.290	1	A
Endrin ketone	ND		ug/kg	1.70	0.437	1	A
Dieldrin	ND		ug/kg	1.06	0.530	1	A
4,4'-DDE	ND		ug/kg	1.70	0.392	1	A
4,4'-DDD	ND		ug/kg	1.70	0.605	1	A
4,4'-DDT	ND		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	ND		ug/kg	1.70	0.567	1	A
Endosulfan sulfate	0.730	PI	ug/kg	0.707	0.336	1	A
Methoxychlor	ND		ug/kg	3.18	0.990	1	A
Toxaphene	ND		ug/kg	31.8	8.91	1	A
cis-Chlordane	ND		ug/kg	2.12	0.591	1	A
trans-Chlordane	ND		ug/kg	2.12	0.560	1	A
Chlordane	ND		ug/kg	13.8	5.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	77		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-16	Date Collected:	09/30/15 14:35
Client ID:	AEI SB5 (20-20.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:38
Analytical Date:	10/07/15 02:04	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.350	1	A
Lindane	ND		ug/kg	0.744	0.333	1	A
Alpha-BHC	ND		ug/kg	0.744	0.211	1	A
Beta-BHC	ND		ug/kg	1.79	0.677	1	A
Heptachlor	ND		ug/kg	0.893	0.400	1	A
Aldrin	ND		ug/kg	1.79	0.629	1	A
Heptachlor epoxide	ND		ug/kg	3.35	1.00	1	A
Endrin	ND		ug/kg	0.744	0.305	1	A
Endrin ketone	ND		ug/kg	1.79	0.460	1	A
Dieldrin	ND		ug/kg	1.12	0.558	1	A
4,4'-DDE	ND		ug/kg	1.79	0.413	1	A
4,4'-DDD	ND		ug/kg	1.79	0.637	1	A
4,4'-DDT	ND		ug/kg	3.35	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.422	1	A
Endosulfan II	ND		ug/kg	1.79	0.597	1	A
Endosulfan sulfate	ND		ug/kg	0.744	0.354	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
Toxaphene	ND		ug/kg	33.5	9.38	1	A
cis-Chlordane	ND		ug/kg	2.23	0.622	1	A
trans-Chlordane	ND		ug/kg	2.23	0.589	1	A
Chlordane	ND		ug/kg	14.5	5.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-17	Date Collected:	09/30/15 10:45
Client ID:	AEI SB2 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:38
Analytical Date:	10/07/15 19:04	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.343	1	A
Lindane	ND		ug/kg	0.730	0.326	1	A
Alpha-BHC	ND		ug/kg	0.730	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.664	1	A
Heptachlor	ND		ug/kg	0.876	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.617	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.986	1	A
Endrin	ND		ug/kg	0.730	0.299	1	A
Endrin ketone	ND		ug/kg	1.75	0.451	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	ND		ug/kg	1.75	0.405	1	A
4,4'-DDD	ND		ug/kg	1.75	0.625	1	A
4,4'-DDT	ND		ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.730	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.20	1	A
cis-Chlordane	ND		ug/kg	2.19	0.610	1	A
trans-Chlordane	ND		ug/kg	2.19	0.578	1	A
Chlordane	ND		ug/kg	14.2	5.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	61		30-150	B
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	51		30-150	A

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-18	Date Collected:	09/30/15 11:40
Client ID:	AEI SB2 (20-20.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	10/05/15 11:38
Analytical Date:	10/07/15 19:17	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	10/06/15
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.335	1	A
Lindane	ND		ug/kg	0.714	0.319	1	A
Alpha-BHC	ND		ug/kg	0.714	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.649	1	A
Heptachlor	ND		ug/kg	0.856	0.384	1	A
Aldrin	0.866	J	ug/kg	1.71	0.603	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.963	1	A
Endrin	ND		ug/kg	0.714	0.293	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.535	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.611	1	A
4,4'-DDT	ND		ug/kg	3.21	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.405	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	0.999	1	A
Toxaphene	ND		ug/kg	32.1	8.99	1	A
cis-Chlordane	ND		ug/kg	2.14	0.597	1	A
trans-Chlordane	ND		ug/kg	2.14	0.565	1	A
Chlordane	ND		ug/kg	13.9	5.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	45		30-150	A

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/06/15 20:50
Analyst: AM

Extraction Method: EPA 3546
Extraction Date: 10/05/15 11:37
Cleanup Method: EPA 3620B
Cleanup Date: 10/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-18 Batch: WG827884-1						
Delta-BHC	ND		ug/kg	1.52	0.299	A
Lindane	ND		ug/kg	0.635	0.284	A
Alpha-BHC	ND		ug/kg	0.635	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.578	A
Heptachlor	ND		ug/kg	0.762	0.342	A
Aldrin	ND		ug/kg	1.52	0.537	A
Heptachlor epoxide	ND		ug/kg	2.86	0.858	A
Endrin	ND		ug/kg	0.635	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.393	A
Dieldrin	ND		ug/kg	0.953	0.476	A
4,4'-DDE	ND		ug/kg	1.52	0.353	A
4,4'-DDD	ND		ug/kg	1.52	0.544	A
4,4'-DDT	ND		ug/kg	2.86	1.23	A
Endosulfan I	ND		ug/kg	1.52	0.360	A
Endosulfan II	ND		ug/kg	1.52	0.510	A
Endosulfan sulfate	ND		ug/kg	0.635	0.302	A
Methoxychlor	ND		ug/kg	2.86	0.889	A
Toxaphene	ND		ug/kg	28.6	8.00	A
cis-Chlordane	ND		ug/kg	1.90	0.531	A
trans-Chlordane	ND		ug/kg	1.90	0.503	A
Chlordane	ND		ug/kg	12.4	5.05	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	136		30-150	B
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	144		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-18 Batch: WG827884-2 WG827884-3									
Delta-BHC	125		118		30-150	6		30	A
Lindane	118		115		30-150	3		30	A
Alpha-BHC	128		122		30-150	5		30	A
Beta-BHC	115		118		30-150	3		30	A
Heptachlor	116		112		30-150	4		30	A
Aldrin	123		116		30-150	6		30	A
Heptachlor epoxide	117		114		30-150	3		30	A
Endrin	135		131		30-150	3		30	A
Endrin ketone	136		125		30-150	8		30	A
Dieldrin	133		132		30-150	1		30	A
4,4'-DDE	127		123		30-150	3		30	A
4,4'-DDD	134		132		30-150	2		30	A
4,4'-DDT	134		126		30-150	6		30	A
Endosulfan I	126		122		30-150	3		30	A
Endosulfan II	131		124		30-150	5		30	A
Endosulfan sulfate	124		120		30-150	3		30	A
Methoxychlor	142		134		30-150	6		30	A
cis-Chlordane	123		114		30-150	8		30	A
trans-Chlordane	133		125		30-150	6		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-18 Batch: WG827884-2 WG827884-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		95		30-150	B
Decachlorobiphenyl	**154**	Q	143		30-150	B
2,4,5,6-Tetrachloro-m-xylene	110		107		30-150	A
Decachlorobiphenyl	**157**	Q	144		30-150	A

METALS

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-01 Date Collected: 09/28/15 08:50

Client ID: AEI SB7 (10-10.5) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4200		mg/kg	8.2	1.6	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.1	0.66	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Arsenic, Total	1.1		mg/kg	0.82	0.16	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Barium, Total	44		mg/kg	0.82	0.25	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Beryllium, Total	0.23	J	mg/kg	0.41	0.08	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.82	0.06	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Calcium, Total	1500		mg/kg	8.2	2.5	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.82	0.16	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Cobalt, Total	4.0		mg/kg	1.6	0.41	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Copper, Total	11		mg/kg	0.82	0.16	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Iron, Total	8400		mg/kg	4.1	1.6	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Lead, Total	6.2		mg/kg	4.1	0.16	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Magnesium, Total	2300		mg/kg	8.2	0.82	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Manganese, Total	95		mg/kg	0.82	0.16	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.02	1	10/03/15 14:35	10/05/15 12:03	EPA 7471B	1,7471B	DB
Nickel, Total	12		mg/kg	2.0	0.33	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Potassium, Total	1000		mg/kg	200	33.	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.6	0.25	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.82	0.16	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Sodium, Total	89	J	mg/kg	160	25.	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.6	0.33	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Vanadium, Total	14		mg/kg	0.82	0.08	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH
Zinc, Total	22		mg/kg	4.1	0.58	2	10/02/15 12:18	10/08/15 03:32	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-02 Date Collected: 09/28/15 09:00

Client ID: AEI SB7 (19-19.5) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6200		mg/kg	8.8	1.8	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.4	0.70	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Arsenic, Total	2.4		mg/kg	0.88	0.18	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Barium, Total	88		mg/kg	0.88	0.26	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Beryllium, Total	0.32	J	mg/kg	0.44	0.09	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.88	0.06	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Calcium, Total	1700		mg/kg	8.8	2.6	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Chromium, Total	17		mg/kg	0.88	0.18	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Cobalt, Total	4.0		mg/kg	1.8	0.44	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Copper, Total	14		mg/kg	0.88	0.18	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	4.4	1.8	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Lead, Total	9.3		mg/kg	4.4	0.18	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Magnesium, Total	3600		mg/kg	8.8	0.88	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Manganese, Total	130		mg/kg	0.88	0.18	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.02	1	10/03/15 14:35	10/05/15 12:04	EPA 7471B	1,7471B	DB
Nickel, Total	12		mg/kg	2.2	0.35	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Potassium, Total	2800		mg/kg	220	35.	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.26	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.88	0.18	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Sodium, Total	86	J	mg/kg	180	26.	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.35	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Vanadium, Total	19		mg/kg	0.88	0.09	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH
Zinc, Total	35		mg/kg	4.4	0.61	2	10/02/15 12:18	10/08/15 03:47	EPA 3050B	1,6010C	JH

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-03
Client ID: AEI SB4 (14.5-15)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil
Percent Solids: 74%

Date Collected: 09/28/15 10:25
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7100		mg/kg	10	2.0	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	5.1	0.81	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Arsenic, Total	5.6		mg/kg	1.0	0.20	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Barium, Total	74		mg/kg	1.0	0.30	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Beryllium, Total	0.37	J	mg/kg	0.51	0.10	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	1.0	0.07	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Calcium, Total	2500		mg/kg	10	3.0	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Chromium, Total	15		mg/kg	1.0	0.20	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Cobalt, Total	4.3		mg/kg	2.0	0.51	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Copper, Total	12		mg/kg	1.0	0.20	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Iron, Total	9300		mg/kg	5.1	2.0	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Lead, Total	6.1		mg/kg	5.1	0.20	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Magnesium, Total	2600		mg/kg	10	1.0	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Manganese, Total	94		mg/kg	1.0	0.20	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Mercury, Total	0.02	J	mg/kg	0.09	0.02	1	10/03/15 14:35	10/05/15 12:06	EPA 7471B	1,7471B	DB
Nickel, Total	12		mg/kg	2.5	0.40	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Potassium, Total	740		mg/kg	250	40.	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	2.0	0.30	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	1.0	0.20	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Sodium, Total	130	J	mg/kg	200	30.	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.0	0.40	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Vanadium, Total	21		mg/kg	1.0	0.10	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH
Zinc, Total	39		mg/kg	5.1	0.71	2	10/02/15 12:18	10/08/15 06:17	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-04 Date Collected: 09/28/15 10:30

Client ID: AEI SB4 (17.5-18) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6400		mg/kg	8.8	1.8	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.4	0.70	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Arsenic, Total	0.90		mg/kg	0.88	0.18	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Barium, Total	79		mg/kg	0.88	0.26	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Beryllium, Total	0.36	J	mg/kg	0.44	0.09	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.88	0.06	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Calcium, Total	1400		mg/kg	8.8	2.6	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Chromium, Total	16		mg/kg	0.88	0.18	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Cobalt, Total	4.1		mg/kg	1.8	0.44	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Copper, Total	17		mg/kg	0.88	0.18	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Iron, Total	11000		mg/kg	4.4	1.8	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Lead, Total	9.2		mg/kg	4.4	0.18	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Magnesium, Total	3200		mg/kg	8.8	0.88	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Manganese, Total	140		mg/kg	0.88	0.18	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	10/03/15 14:35	10/05/15 12:08	EPA 7471B	1,7471B	DB
Nickel, Total	12		mg/kg	2.2	0.35	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Potassium, Total	3600		mg/kg	220	35.	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.26	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.88	0.18	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Sodium, Total	120	J	mg/kg	180	26.	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.35	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Vanadium, Total	22		mg/kg	0.88	0.09	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH
Zinc, Total	32		mg/kg	4.4	0.61	2	10/02/15 12:18	10/08/15 06:21	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-05 Date Collected: 09/28/15 13:00

Client ID: AEI SB3 (10.5-11) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6700		mg/kg	9.3	1.8	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.6	0.74	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Arsenic, Total	2.7		mg/kg	0.93	0.18	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Barium, Total	20		mg/kg	0.93	0.28	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Beryllium, Total	0.30	J	mg/kg	0.46	0.09	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.93	0.07	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Calcium, Total	1800		mg/kg	9.3	2.8	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Chromium, Total	9.7		mg/kg	0.93	0.18	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Cobalt, Total	6.1		mg/kg	1.8	0.46	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Copper, Total	15		mg/kg	0.93	0.18	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	4.6	1.8	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Lead, Total	4.0	J	mg/kg	4.6	0.18	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Magnesium, Total	2900		mg/kg	9.3	0.93	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Manganese, Total	100		mg/kg	0.93	0.18	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/03/15 14:35	10/05/15 12:09	EPA 7471B	1,7471B	DB
Nickel, Total	13		mg/kg	2.3	0.37	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Potassium, Total	410		mg/kg	230	37.	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.28	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.93	0.18	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Sodium, Total	290		mg/kg	180	28.	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.37	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Vanadium, Total	13		mg/kg	0.93	0.09	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH
Zinc, Total	40		mg/kg	4.6	0.65	2	10/02/15 12:18	10/08/15 06:49	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-06 Date Collected: 09/28/15 13:05

Client ID: AEI SB3 (20-20.5) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7600		mg/kg	9.1	1.8	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.6	0.73	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Arsenic, Total	0.83	J	mg/kg	0.91	0.18	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Barium, Total	91		mg/kg	0.91	0.27	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Beryllium, Total	0.38	J	mg/kg	0.46	0.09	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.91	0.06	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Calcium, Total	3000		mg/kg	9.1	2.7	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Chromium, Total	16		mg/kg	0.91	0.18	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Cobalt, Total	4.8		mg/kg	1.8	0.46	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Copper, Total	15		mg/kg	0.91	0.18	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	4.6	1.8	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Lead, Total	15		mg/kg	4.6	0.18	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Magnesium, Total	3100		mg/kg	9.1	0.91	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Manganese, Total	160		mg/kg	0.91	0.18	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Mercury, Total	0.05	J	mg/kg	0.08	0.02	1	10/03/15 14:35	10/05/15 12:11	EPA 7471B	1,7471B	DB
Nickel, Total	12		mg/kg	2.3	0.36	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Potassium, Total	3600		mg/kg	230	36.	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.27	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.91	0.18	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Sodium, Total	500		mg/kg	180	27.	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Vanadium, Total	21		mg/kg	0.91	0.09	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH
Zinc, Total	35		mg/kg	4.6	0.64	2	10/02/15 12:18	10/08/15 06:52	EPA 3050B	1,6010C	JH

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-07
Client ID: AEI SB1 (10.5-11)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil
Percent Solids: 81%

Date Collected: 09/28/15 14:10
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7400		mg/kg	9.4	1.9	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.7	0.76	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Arsenic, Total	3.2		mg/kg	0.94	0.19	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Barium, Total	58		mg/kg	0.94	0.28	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Beryllium, Total	0.33	J	mg/kg	0.47	0.09	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.94	0.07	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Calcium, Total	16000		mg/kg	9.4	2.8	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Chromium, Total	12		mg/kg	0.94	0.19	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Cobalt, Total	5.1		mg/kg	1.9	0.47	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Copper, Total	16		mg/kg	0.94	0.19	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Iron, Total	11000		mg/kg	4.7	1.9	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Lead, Total	31		mg/kg	4.7	0.19	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Magnesium, Total	4000		mg/kg	9.4	0.94	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Manganese, Total	180		mg/kg	0.94	0.19	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Mercury, Total	0.11		mg/kg	0.08	0.02	1	10/03/15 14:35	10/05/15 12:13	EPA 7471B	1,7471B	DB
Nickel, Total	14		mg/kg	2.4	0.38	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Potassium, Total	760		mg/kg	240	38.	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.28	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.94	0.19	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Sodium, Total	180	J	mg/kg	190	28.	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.38	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Vanadium, Total	19		mg/kg	0.94	0.09	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH
Zinc, Total	130		mg/kg	4.7	0.66	2	10/02/15 12:18	10/08/15 06:56	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-08 Date Collected: 09/28/15 14:15

Client ID: AEI SB1 (19-19.5) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7500		mg/kg	9.0	1.8	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.5	0.72	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Arsenic, Total	1.4		mg/kg	0.90	0.18	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Barium, Total	80		mg/kg	0.90	0.27	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Beryllium, Total	0.40	J	mg/kg	0.45	0.09	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.90	0.06	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Calcium, Total	2000		mg/kg	9.0	2.7	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Chromium, Total	23		mg/kg	0.90	0.18	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Cobalt, Total	6.3		mg/kg	1.8	0.45	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Copper, Total	16		mg/kg	0.90	0.18	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	4.5	1.8	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Lead, Total	5.6		mg/kg	4.5	0.18	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Magnesium, Total	3000		mg/kg	9.0	0.90	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Manganese, Total	140		mg/kg	0.90	0.18	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.02	1	10/03/15 14:35	10/05/15 12:14	EPA 7471B	1,7471B	DB
Nickel, Total	14		mg/kg	2.2	0.36	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Potassium, Total	2900		mg/kg	220	36.	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.27	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.90	0.18	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Sodium, Total	160	J	mg/kg	180	27.	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Vanadium, Total	22		mg/kg	0.90	0.09	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH
Zinc, Total	41		mg/kg	4.5	0.63	2	10/02/15 12:18	10/08/15 07:00	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-09 Date Collected: 09/29/15 09:10

Client ID: AEI MW3 (10.5-11) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6800		mg/kg	8.4	1.7	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.2	0.68	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Arsenic, Total	1.4		mg/kg	0.84	0.17	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Barium, Total	12		mg/kg	0.84	0.25	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Beryllium, Total	0.24	J	mg/kg	0.42	0.08	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.84	0.06	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Calcium, Total	1400		mg/kg	8.4	2.5	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Chromium, Total	9.8		mg/kg	0.84	0.17	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Cobalt, Total	5.5		mg/kg	1.7	0.42	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Copper, Total	11		mg/kg	0.84	0.17	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	4.2	1.7	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Lead, Total	7.8		mg/kg	4.2	0.17	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Magnesium, Total	2700		mg/kg	8.4	0.84	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Manganese, Total	110		mg/kg	0.84	0.17	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.02	1	10/03/15 14:35	10/05/15 12:16	EPA 7471B	1,7471B	DB
Nickel, Total	12		mg/kg	2.1	0.34	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Potassium, Total	500		mg/kg	210	34.	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.7	0.25	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.84	0.17	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Sodium, Total	320		mg/kg	170	25.	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.34	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Vanadium, Total	11		mg/kg	0.84	0.08	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH
Zinc, Total	39		mg/kg	4.2	0.59	2	10/02/15 12:18	10/08/15 07:04	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-10 Date Collected: 09/29/15 09:15

Client ID: AEI MW3 (19.5-20) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6400		mg/kg	8.6	1.7	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.3	0.69	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Arsenic, Total	0.74	J	mg/kg	0.86	0.17	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Barium, Total	85		mg/kg	0.86	0.26	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Beryllium, Total	0.39	J	mg/kg	0.43	0.09	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.86	0.06	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Calcium, Total	1400		mg/kg	8.6	2.6	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Chromium, Total	20		mg/kg	0.86	0.17	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Cobalt, Total	4.9		mg/kg	1.7	0.43	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Copper, Total	21		mg/kg	0.86	0.17	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	4.3	1.7	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Lead, Total	15		mg/kg	4.3	0.17	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Magnesium, Total	3000		mg/kg	8.6	0.86	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Manganese, Total	130		mg/kg	0.86	0.17	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.02	1	10/03/15 14:35	10/05/15 12:22	EPA 7471B	1,7471B	DB
Nickel, Total	14		mg/kg	2.1	0.34	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Potassium, Total	3800		mg/kg	210	34.	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.7	0.26	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.86	0.17	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Sodium, Total	380		mg/kg	170	26.	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.34	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Vanadium, Total	19		mg/kg	0.86	0.09	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH
Zinc, Total	38		mg/kg	4.3	0.60	2	10/02/15 12:18	10/08/15 07:08	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-11 Date Collected: 10/01/15 09:05

Client ID: AEI SB6 (10.5-11) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7400		mg/kg	9.5	1.9	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.7	0.76	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Arsenic, Total	4.8		mg/kg	0.95	0.19	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Barium, Total	24		mg/kg	0.95	0.28	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Beryllium, Total	0.28	J	mg/kg	0.47	0.10	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.95	0.07	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Calcium, Total	3900		mg/kg	9.5	2.8	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Chromium, Total	10		mg/kg	0.95	0.19	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Cobalt, Total	6.3		mg/kg	1.9	0.47	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Copper, Total	16		mg/kg	0.95	0.19	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Iron, Total	15000		mg/kg	4.7	1.9	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Lead, Total	3.6	J	mg/kg	4.7	0.19	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Magnesium, Total	3700		mg/kg	9.5	0.95	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Manganese, Total	210		mg/kg	0.95	0.19	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/03/15 14:35	10/05/15 12:23	EPA 7471B	1,7471B	DB
Nickel, Total	14		mg/kg	2.4	0.38	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Potassium, Total	460		mg/kg	240	38.	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.28	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.95	0.19	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Sodium, Total	340		mg/kg	190	28.	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.38	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Vanadium, Total	12		mg/kg	0.95	0.10	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH
Zinc, Total	45		mg/kg	4.7	0.66	2	10/02/15 12:18	10/08/15 07:41	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-12 Date Collected: 10/01/15 09:10

Client ID: AEI SB6 (16-16.5) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6100		mg/kg	9.8	2.0	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.9	0.78	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Arsenic, Total	3.9		mg/kg	0.98	0.20	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Barium, Total	65		mg/kg	0.98	0.29	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Beryllium, Total	0.35	J	mg/kg	0.49	0.10	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.98	0.07	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Calcium, Total	2400		mg/kg	9.8	2.9	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Chromium, Total	12		mg/kg	0.98	0.20	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Cobalt, Total	6.2		mg/kg	2.0	0.49	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Copper, Total	11		mg/kg	0.98	0.20	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Iron, Total	9100		mg/kg	4.9	2.0	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Lead, Total	9.4		mg/kg	4.9	0.20	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Magnesium, Total	2300		mg/kg	9.8	0.98	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Manganese, Total	86		mg/kg	0.98	0.20	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/03/15 14:35	10/05/15 12:25	EPA 7471B	1,7471B	DB
Nickel, Total	14		mg/kg	2.4	0.39	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Potassium, Total	930		mg/kg	240	39.	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	2.0	0.29	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.98	0.20	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Sodium, Total	510		mg/kg	200	29.	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.0	0.39	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Vanadium, Total	19		mg/kg	0.98	0.10	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH
Zinc, Total	32		mg/kg	4.9	0.68	2	10/02/15 12:18	10/08/15 07:44	EPA 3050B	1,6010C	JH

Project Name:	LAM GEN	**Lab Number:**	L1524759
Project Number:	343443	**Report Date:**	10/09/15

SAMPLE RESULTS

Lab ID:	L1524759-13	Date Collected:	10/01/15 11:30
Client ID:	AEI SB8 (10.5-11)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	58%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7700		mg/kg	13	2.6	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Antimony, Total	18		mg/kg	6.4	1.0	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Arsenic, Total	32		mg/kg	1.3	0.26	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Barium, Total	780		mg/kg	1.3	0.39	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Beryllium, Total	0.52	J	mg/kg	0.64	0.13	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Cadmium, Total	77		mg/kg	1.3	0.09	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Calcium, Total	16000		mg/kg	13	3.9	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Chromium, Total	67		mg/kg	1.3	0.26	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Cobalt, Total	13		mg/kg	2.6	0.64	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Copper, Total	510		mg/kg	1.3	0.26	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Iron, Total	45000		mg/kg	6.4	2.6	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Lead, Total	2600		mg/kg	6.4	0.26	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Magnesium, Total	7100		mg/kg	13	1.3	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Manganese, Total	300		mg/kg	1.3	0.26	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Mercury, Total	2.7		mg/kg	0.12	0.02	1	10/03/15 14:35	10/05/15 12:27	EPA 7471B	1,7471B	DB
Nickel, Total	140		mg/kg	3.2	0.52	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Potassium, Total	940		mg/kg	320	52.	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Selenium, Total	2.9		mg/kg	2.6	0.39	2	10/02/15 12:18	10/08/15 14:49	EPA 3050B	1,6010C	PS
Silver, Total	5.9		mg/kg	1.3	0.26	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Sodium, Total	1800		mg/kg	260	39.	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.6	0.52	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Vanadium, Total	90		mg/kg	1.3	0.13	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH
Zinc, Total	2500		mg/kg	6.4	0.90	2	10/02/15 12:18	10/08/15 07:48	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-14 Date Collected: 10/01/15 11:35

Client ID: AEI SB8 (19.5-20) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6000		mg/kg	8.5	1.7	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.2	0.68	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Arsenic, Total	0.85		mg/kg	0.85	0.17	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Barium, Total	75		mg/kg	0.85	0.25	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Beryllium, Total	0.35	J	mg/kg	0.42	0.09	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.85	0.06	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Calcium, Total	1800		mg/kg	8.5	2.5	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Chromium, Total	20		mg/kg	0.85	0.17	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Cobalt, Total	4.7		mg/kg	1.7	0.42	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Copper, Total	23		mg/kg	0.85	0.17	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	4.2	1.7	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Lead, Total	3.3	J	mg/kg	4.2	0.17	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Magnesium, Total	2800		mg/kg	8.5	0.85	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Manganese, Total	200		mg/kg	0.85	0.17	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Mercury, Total	0.04	J	mg/kg	0.07	0.02	1	10/03/15 14:35	10/05/15 12:29	EPA 7471B	1,7471B	DB
Nickel, Total	22		mg/kg	2.1	0.34	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Potassium, Total	2700		mg/kg	210	34.	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.7	0.25	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.85	0.17	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Sodium, Total	220		mg/kg	170	25.	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.34	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Vanadium, Total	21		mg/kg	0.85	0.09	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH
Zinc, Total	46		mg/kg	4.2	0.59	2	10/02/15 12:18	10/08/15 07:52	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-15 Date Collected: 09/30/15 14:30

Client ID: AEI SB5 (14-14.5) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7700		mg/kg	8.8	1.8	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.4	0.70	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Arsenic, Total	4.7		mg/kg	0.88	0.18	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Barium, Total	88		mg/kg	0.88	0.26	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Beryllium, Total	0.38	J	mg/kg	0.44	0.09	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.88	0.06	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Calcium, Total	5900		mg/kg	8.8	2.6	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Chromium, Total	25		mg/kg	0.88	0.18	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Cobalt, Total	5.5		mg/kg	1.8	0.44	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Copper, Total	20		mg/kg	0.88	0.18	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Iron, Total	14000		mg/kg	4.4	1.8	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Lead, Total	5.1		mg/kg	4.4	0.18	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Magnesium, Total	3900		mg/kg	8.8	0.88	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Manganese, Total	180		mg/kg	0.88	0.18	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Mercury, Total	0.04	J	mg/kg	0.07	0.02	1	10/03/15 14:35	10/05/15 12:58	EPA 7471B	1,7471B	DB
Nickel, Total	14		mg/kg	2.2	0.35	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Potassium, Total	3200		mg/kg	220	35.	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Selenium, Total	1.4	J	mg/kg	1.8	0.26	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.88	0.18	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Sodium, Total	230		mg/kg	180	26.	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.35	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Vanadium, Total	22		mg/kg	0.88	0.09	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH
Zinc, Total	49		mg/kg	4.4	0.62	2	10/03/15 06:23	10/06/15 21:34	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-16 Date Collected: 09/30/15 14:35

Client ID: AEI SB5 (20-20.5) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5800		mg/kg	9.0	1.8	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.5	0.72	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Arsenic, Total	2.3		mg/kg	0.90	0.18	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Barium, Total	78		mg/kg	0.90	0.27	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Beryllium, Total	0.34	J	mg/kg	0.45	0.09	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.90	0.06	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Calcium, Total	1400		mg/kg	9.0	2.7	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Chromium, Total	13		mg/kg	0.90	0.18	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Cobalt, Total	4.2		mg/kg	1.8	0.45	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Copper, Total	13		mg/kg	0.90	0.18	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	4.5	1.8	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Lead, Total	ND		mg/kg	4.5	0.18	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Magnesium, Total	2900		mg/kg	9.0	0.90	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Manganese, Total	130		mg/kg	0.90	0.18	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/03/15 14:35	10/05/15 13:04	EPA 7471B	1,7471B	DB
Nickel, Total	9.8		mg/kg	2.2	0.36	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Potassium, Total	3600		mg/kg	220	36.	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.27	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.90	0.18	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Sodium, Total	120	J	mg/kg	180	27.	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.36	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Vanadium, Total	18		mg/kg	0.90	0.09	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH
Zinc, Total	28		mg/kg	4.5	0.63	2	10/03/15 06:23	10/06/15 22:09	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-17 Date Collected: 09/30/15 10:45

Client ID: AEI SB2 (10.5-11) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8800		mg/kg	8.8	1.8	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.4	0.71	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Arsenic, Total	2.7		mg/kg	0.88	0.18	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Barium, Total	110		mg/kg	0.88	0.26	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Beryllium, Total	0.49		mg/kg	0.44	0.09	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.88	0.06	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Calcium, Total	1800		mg/kg	8.8	2.6	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Chromium, Total	24		mg/kg	0.88	0.18	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Cobalt, Total	6.6		mg/kg	1.8	0.44	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Copper, Total	35		mg/kg	0.88	0.18	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Iron, Total	14000		mg/kg	4.4	1.8	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Lead, Total	ND		mg/kg	4.4	0.18	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Magnesium, Total	4600		mg/kg	8.8	0.88	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Manganese, Total	160		mg/kg	0.88	0.18	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/03/15 14:35	10/05/15 13:06	EPA 7471B	1,7471B	DB
Nickel, Total	18		mg/kg	2.2	0.35	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Potassium, Total	4600		mg/kg	220	35.	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.8	0.26	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.88	0.18	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Sodium, Total	380		mg/kg	180	26.	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.35	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Vanadium, Total	23		mg/kg	0.88	0.09	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH
Zinc, Total	40		mg/kg	4.4	0.62	2	10/03/15 06:23	10/06/15 22:13	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-18 Date Collected: 09/30/15 11:40

Client ID: AEI SB2 (20-20.5) Date Received: 10/01/15

Sample Location: 112 WEST 25TH ST., NY, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9300		mg/kg	8.5	1.7	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.2	0.68	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Arsenic, Total	3.2		mg/kg	0.85	0.17	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Barium, Total	92		mg/kg	0.85	0.25	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Beryllium, Total	0.23	J	mg/kg	0.42	0.09	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.85	0.06	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Calcium, Total	2700		mg/kg	8.5	2.5	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Chromium, Total	18		mg/kg	0.85	0.17	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Cobalt, Total	8.9		mg/kg	1.7	0.42	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Copper, Total	20		mg/kg	0.85	0.17	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Iron, Total	17000		mg/kg	4.2	1.7	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Lead, Total	ND		mg/kg	21	0.85	10	10/03/15 06:23	10/07/15 23:05	EPA 3050B	1,6010C	MC
Magnesium, Total	5500		mg/kg	8.5	0.85	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Manganese, Total	240		mg/kg	0.85	0.17	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Mercury, Total	0.04	J	mg/kg	0.07	0.02	1	10/03/15 14:35	10/05/15 13:07	EPA 7471B	1,7471B	DB
Nickel, Total	18		mg/kg	2.1	0.34	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Potassium, Total	7000		mg/kg	210	34.	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.7	0.25	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.85	0.17	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Sodium, Total	300		mg/kg	170	25.	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.34	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Vanadium, Total	20		mg/kg	0.85	0.09	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH
Zinc, Total	53		mg/kg	4.2	0.59	2	10/03/15 06:23	10/06/15 22:17	EPA 3050B	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-14 Batch: WG827177-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/03/15 14:35	10/05/15 11:25	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-14 Batch: WG827310-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Arsenic, Total	0.13	J	mg/kg	0.40	0.08	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	10/02/15 12:18	10/08/15 03:24	1,6010C	JH

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 15-18 Batch: WG827529-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Antimony, Total	0.83	J	mg/kg	2.0	0.32	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Arsenic, Total	0.10	J	mg/kg	0.40	0.08	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	10/03/15 06:23	10/06/15 21:26	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 15-18 Batch: WG827549-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	10/03/15 14:35	10/05/15 12:55	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 Batch: WG827177-2 SRM Lot Number: D088-540								
Mercury, Total	101		-		72-128	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 Batch: WG827310-2 SRM Lot Number: D088-540					
Aluminum, Total	78	-	48-151	-	
Antimony, Total	121	-	1-208	-	
Arsenic, Total	96	-	79-121	-	
Barium, Total	88	-	83-117	-	
Beryllium, Total	93	-	83-117	-	
Cadmium, Total	88	-	83-117	-	
Calcium, Total	89	-	81-119	-	
Chromium, Total	90	-	80-120	-	
Cobalt, Total	85	-	84-115	-	
Copper, Total	90	-	81-118	-	
Iron, Total	89	-	45-155	-	
Lead, Total	82	-	81-117	-	
Magnesium, Total	91	-	76-124	-	
Manganese, Total	91	-	81-118	-	
Nickel, Total	88	-	83-117	-	
Potassium, Total	89	-	71-129	-	
Selenium, Total	91	-	78-122	-	
Silver, Total	93	-	75-124	-	
Sodium, Total	90	-	72-127	-	
Thallium, Total	85	-	80-120	-	
Vanadium, Total	91	-	78-122	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 Batch: WG827310-2 SRM Lot Number: D088-540					
Zinc, Total	88	-	82-118	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15-18 Batch: WG827529-2 SRM Lot Number: D088-540					
Aluminum, Total	86	-	48-151	-	
Antimony, Total	150	-	1-208	-	
Arsenic, Total	105	-	79-121	-	
Barium, Total	99	-	83-117	-	
Beryllium, Total	94	-	83-117	-	
Cadmium, Total	89	-	83-117	-	
Calcium, Total	94	-	81-119	-	
Chromium, Total	89	-	80-120	-	
Cobalt, Total	92	-	84-115	-	
Copper, Total	90	-	81-118	-	
Iron, Total	103	-	45-155	-	
Lead, Total	92	-	81-117	-	
Magnesium, Total	91	-	76-124	-	
Manganese, Total	93	-	81-118	-	
Nickel, Total	88	-	83-117	-	
Potassium, Total	96	-	71-129	-	
Selenium, Total	97	-	78-122	-	
Silver, Total	93	-	75-124	-	
Sodium, Total	92	-	72-127	-	
Thallium, Total	90	-	80-120	-	
Vanadium, Total	91	-	78-122	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15-18 Batch: WG827529-2 SRM Lot Number: D088-540					
Zinc, Total	92	-	82-118	-	
Total Metals - Westborough Lab Associated sample(s): 15-18 Batch: WG827549-2 SRM Lot Number: D088-540					
Mercury, Total	95	-	72-128	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG827177-4 QC Sample: L1524709-01 Client ID: MS Sample												
Mercury, Total	0.02J	0.164	0.19	116		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG827310-4 QC Sample: L1524759-01 Client ID: AEI SB7 (10-10.5)										
Aluminum, Total	4200	167	4800	**358**	Q	-	-	75-125	-	20
Antimony, Total	ND	41.8	26	**62**	Q	-	-	75-125	-	20
Arsenic, Total	1.1	10	9.4	83		-	-	75-125	-	20
Barium, Total	44.	167	180	81		-	-	75-125	-	20
Beryllium, Total	0.23J	4.18	3.8	91		-	-	75-125	-	20
Cadmium, Total	ND	4.27	3.5	82		-	-	75-125	-	20
Calcium, Total	1500	837	2400	108		-	-	75-125	-	20
Chromium, Total	11.	16.7	26	90		-	-	75-125	-	20
Cobalt, Total	4.0	41.8	36	76		-	-	75-125	-	20
Copper, Total	11.	20.9	29	86		-	-	75-125	-	20
Iron, Total	8400	83.7	8600	**239**	Q	-	-	75-125	-	20
Lead, Total	6.2	42.7	41	82		-	-	75-125	-	20
Magnesium, Total	2300	837	3500	**143**	Q	-	-	75-125	-	20
Manganese, Total	95.	41.8	140	108		-	-	75-125	-	20
Nickel, Total	12.	41.8	46	81		-	-	75-125	-	20
Potassium, Total	1000	837	1900	108		-	-	75-125	-	20
Selenium, Total	ND	10	8.1	81		-	-	75-125	-	20
Silver, Total	ND	25.1	23	92		-	-	75-125	-	20
Sodium, Total	89.J	837	840	100		-	-	75-125	-	20
Thallium, Total	ND	10	7.7	77		-	-	75-125	-	20
Vanadium, Total	14.	41.8	50	86		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG827310-4 QC Sample: L1524759-01 Client ID: AEI SB7 (10-10.5)									
Zinc, Total	22.	41.8	61	93	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15-18 QC Batch ID: WG827529-4 QC Sample: L1524759-15 Client ID: AEI SB5 (14-14.5)										
Aluminum, Total	7700	169	8000	**178**	Q	-	-	75-125	-	20
Antimony, Total	ND	42.2	34	80		-	-	75-125	-	20
Arsenic, Total	4.7	10.1	14	92		-	-	75-125	-	20
Barium, Total	88.	169	250	96		-	-	75-125	-	20
Beryllium, Total	0.38J	4.22	4.3	102		-	-	75-125	-	20
Cadmium, Total	ND	4.31	3.7	86		-	-	75-125	-	20
Calcium, Total	5900	845	5200	**0**	Q	-	-	75-125	-	20
Chromium, Total	25.	16.9	36	**65**	Q	-	-	75-125	-	20
Cobalt, Total	5.5	42.2	43	89		-	-	75-125	-	20
Copper, Total	20.	21.1	39	90		-	-	75-125	-	20
Iron, Total	14000	84.5	13000	**0**	Q	-	-	75-125	-	20
Lead, Total	5.1	43.1	41	83		-	-	75-125	-	20
Magnesium, Total	3900	845	4700	95		-	-	75-125	-	20
Manganese, Total	180	42.2	190	**24**	Q	-	-	75-125	-	20
Nickel, Total	14.	42.2	50	85		-	-	75-125	-	20
Potassium, Total	3200	845	4100	106		-	-	75-125	-	20
Selenium, Total	1.4J	10.1	9.1	90		-	-	75-125	-	20
Silver, Total	ND	25.3	25	99		-	-	75-125	-	20
Sodium, Total	230	845	1100	103		-	-	75-125	-	20
Thallium, Total	ND	10.1	8.4	83		-	-	75-125	-	20
Vanadium, Total	22.	42.2	62	95		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15-18 QC Batch ID: WG827529-4 QC Sample: L1524759-15 Client ID: AEI SB5 (14-14.5)										
Zinc, Total	49.	42.2	79	**71**	Q	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 15-18 QC Batch ID: WG827549-4 QC Sample: L1524911-03 Client ID: MS Sample										
Mercury, Total	0.72	0.188	0.52	**0**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG827177-3 QC Sample: L1524709-01 Client ID: DUP Sample						
Mercury, Total	0.02J	0.02J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG827310-3 QC Sample: L1524759-01 Client ID: AEI SB7 (10-10.5)						
Aluminum, Total	4200	6200	mg/kg	**38**	Q	20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	1.1	1.4	mg/kg	**24**	Q	20
Barium, Total	44.	87	mg/kg	**66**	Q	20
Beryllium, Total	0.23J	0.34J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	1500	1900	mg/kg	**24**	Q	20
Chromium, Total	11.	16	mg/kg	**37**	Q	20
Cobalt, Total	4.0	4.5	mg/kg	12		20
Copper, Total	11.	15	mg/kg	**31**	Q	20
Iron, Total	8400	11000	mg/kg	**27**	Q	20
Lead, Total	6.2	8.0	mg/kg	**25**	Q	20
Magnesium, Total	2300	3800	mg/kg	**49**	Q	20
Manganese, Total	95.	170	mg/kg	**57**	Q	20
Nickel, Total	12.	13	mg/kg	8		20
Potassium, Total	1000	2600	mg/kg	**89**	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	89.J	99J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG827310-3 QC Sample: L1524759-01 Client ID: AEI SB7 (10-10.5)						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	14.	19	mg/kg	**30**	Q	20
Zinc, Total	22.	32	mg/kg	**37**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15-18 QC Batch ID: WG827529-3 QC Sample: L1524759-15 Client ID: AEI SB5 (14-14.5)						
Aluminum, Total	7700	7700	mg/kg	0		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	4.7	4.0	mg/kg	16		20
Barium, Total	88.	91	mg/kg	3		20
Beryllium, Total	0.38J	0.38J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	5900	3000	mg/kg	**65**	Q	20
Chromium, Total	25.	19	mg/kg	**27**	Q	20
Cobalt, Total	5.5	5.5	mg/kg	0		20
Copper, Total	20.	19	mg/kg	5		20
Iron, Total	14000	13000	mg/kg	7		20
Lead, Total	5.1	ND	mg/kg	NC		20
Magnesium, Total	3900	3600	mg/kg	8		20
Manganese, Total	180	140	mg/kg	**25**	Q	20
Nickel, Total	14.	14	mg/kg	0		20
Potassium, Total	3200	3600	mg/kg	12		20
Selenium, Total	1.4J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	230	200	mg/kg	14		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15-18 QC Batch ID: WG827529-3 QC Sample: L1524759-15 Client ID: AEI SB5 (14-14.5)						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	22.	22	mg/kg	0		20
Zinc, Total	49.	37	mg/kg	**28**	Q	20
Total Metals - Westborough Lab Associated sample(s): 15-18 QC Batch ID: WG827549-3 QC Sample: L1524911-03 Client ID: DUP Sample						
Mercury, Total	0.72	0.50	mg/kg	**36**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-01
Client ID: AEI SB7 (10-10.5)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/28/15 08:50
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.5		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-02
Client ID: AEI SB7 (19-19.5)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/28/15 09:00
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-03
Client ID: AEI SB4 (14.5-15)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/28/15 10:25
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.9		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-04
Client ID: AEI SB4 (17.5-18)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/28/15 10:30
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-05
Client ID: AEI SB3 (10.5-11)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/28/15 13:00
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.7		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-06
Client ID: AEI SB3 (20-20.5)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/28/15 13:05
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-07
Client ID: AEI SB1 (10.5-11)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/28/15 14:10
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.9		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-08
Client ID: AEI SB1 (19-19.5)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/28/15 14:15
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-09
Client ID: AEI MW3 (10.5-11)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/29/15 09:10
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-10
Client ID: AEI MW3 (19.5-20)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/29/15 09:15
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-11
Client ID: AEI SB6 (10.5-11)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 10/01/15 09:05
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-12
Client ID: AEI SB6 (16-16.5)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 10/01/15 09:10
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.9		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-13
Client ID: AEI SB8 (10.5-11)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 10/01/15 11:30
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	57.8		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-14
Client ID: AEI SB8 (19.5-20)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 10/01/15 11:35
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-15
Client ID: AEI SB5 (14-14.5)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/30/15 14:30
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-16
Client ID: AEI SB5 (20-20.5)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/30/15 14:35
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-17
Client ID: AEI SB2 (10.5-11)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/30/15 10:45
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

SAMPLE RESULTS

Lab ID: L1524759-18
Client ID: AEI SB2 (20-20.5)
Sample Location: 112 WEST 25TH ST., NY, NY
Matrix: Soil

Date Collected: 09/30/15 11:40
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.1		%	0.100	NA	1	-	10/02/15 14:56	30,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG827374-1 QC Sample: L1524759-01 Client ID: AEI SB7 (10-10.5)						
Solids, Total	90.5	88.2	%	3		20

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1524759
Report Date: 10/09/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 10/02/2015 06:40

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1524759-01A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-01B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-02A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1524759-02B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-03A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-03B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-04A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-04B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1524759-05A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-05B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-06A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-06B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-07A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1524759-07B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-08A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-08B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-09A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-09B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1524759-10A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-10B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-11A	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1524759-11B	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1524759-11C	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1524759-11D	Plastic 2oz unpreserved for TS	A	N/A	2.5	Y	Absent	TS(7)
L1524759-11E	Glass 250ml/8oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-11X	Vial MeOH preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1524759-11Y	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1524759-11Z	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1524759-12A	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1524759-12B	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1524759-12C	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1524759-12D	Plastic 2oz unpreserved for TS	A	N/A	2.5	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1524759-12E	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-12F	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-12G	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-12X	Vial MeOH preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1524759-12Y	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1524759-12Z	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1524759-13A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1524759-13B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-14A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-14B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-15A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-15B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1524759-16A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-16B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-17A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-17B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1524759-18A	Glass 60mL/2oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1524759-18B	Glass 120ml/4oz unpreserved	A	N/A	2.5	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

Container Comments

L1524759-11Y

L1524759-12Y

*Values in parentheses indicate holding time in days

Project Name:	LAM GEN	**Lab Number:**	L1524759
Project Number:	343443	**Report Date:**	10/09/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: LAM GEN **Lab Number:** L1524759

Project Number: 343443 **Report Date:** 10/09/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: LAM GEN **Lab Number:** L1524759
Project Number: 343443 **Report Date:** 10/09/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide) (soil), Methyl methacrylate (soil), Azobenzene.
EPA 8270D: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 10/2/15

ALPHA Job #: L1524759

Client Information
Client: AEI Consultants
Address: 20 Gibson Place
Freehold NJ
Phone:
Fax:
Email: jbernarducci@aeiconsultants.com

Project Information
Project Name: LAM GEN
Project Location: 112 West 25th St NY, NY
Project #: 343443
(Use Project name as Project #) ☐
Project Manager: Joe Bernarducci
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO # 94667

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☒ Other NYSDEC

Site Information
Is this site impacted by Petroleum? Yes ☒
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL Metals	Pesticides	PCBs							Sample Specific Comments	Total Bottle
24759 -01	AEI SB7 (10-10.5)	9/28/15	0850	Soil	JB	X	X	X								2
-02	AEI SB7 (19-19.5)	9/28/15	0900	Soil	JB	X	X	X								2
-03	AEI SB4 (14.5-15)	9/28/15	1025	Soil	JB	X	X	X								2
-04	AEI SB4 (17.5-18)	9/28/15	1030	Soil	JB	X	X	X								2
-05	AEI SB3 (10.5-11)	9/28/15	1300	Soil	JB	X	X	X								2
-06	AEI SB3 (20-20.5)	9/28/15	1305	Soil	JB	X	X	X								2
-07	AEI SB1 (10.5-11)	9/28/15	1410	Soil	JB	X	X	X								2
-08	AEI SB1 (19-19.5)	9/28/15	1415	Soil	JB	X	X	X								2
-09	AEI MW3 (10.5-11)	9/29/15	0910	Soil	JB	X	X	X								2
-10	AEI MW3 (19.5-20)	9/29/15	0915	Soil	JB	X	X	X								2
					Container Type	A	A	A								
					Preservative	A	A	A								

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/1/15 1215	[signature] AAC	10-1-15 1215
[signature]	10-1-15 1820	[signature]	10-1-15 1830
[signature]	10/2/15 0205	[signature]	10/2/15 0205

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 10/2/15

ALPHA Job #: L1524759

Client Information
Client: AEI Consultants
Address: 20 Gibson Place Freehold NJ
Phone:
Fax:
Email: jbernarducci@aeiconsultants.com

Project Information
Project Name: LAM GEN
Project Location: 112 W 25th st NY NY
Project #: 343443
(Use Project name as Project #) ☐
Project Manager: Joe Bernarducci
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☒ Other

Billing Information
☐ Same as Client Info
PO # 94667

Site Information
Is this site impacted by Petroleum? Yes ☒
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL Metals	Pesticides	PCBs	VOC + TICs	SVOC + TICs				Sample Specific Comments	Total Bottle
24759 -11	AEI SB6 (10.5-11)	10/1/15	0905	Soil		X	X	X	X	X					5
-12	AEI SB6 (16-16.5)	10/1/15	0910	Soil		X	X	X	X	X					7
-13	AEI SB8 (10.5-11)	10/1/15	1130	Soil		X	X	X							2
-14	AEI SB8 (19.5-20)	10/1/15	1135	Soil		X	X	X							2
Container Type						A	A	A	E	A					
Preservative						A	A	A	A	A					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/1/15 1215	[signature]	10-1-15 1215
[signature]	10-1-15 1831	[signature]	10-1-15 1831
[signature]	10/2/15 0205	[signature]	10/2/15 0205

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1524765
Client:	AEI Consultants 20 Gibson Place Suite 310 Freehold, NJ 07728
ATTN:	Joseph Bernarducci
Phone:	(732) 414-2720
Project Name:	LAMGEN
Project Number:	343443
Report Date:	10/08/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1524765-01	AEI SG5	SOIL_VAPOR	112 WEST 25TH STREET, NY, NY	09/28/15 11:37	10/01/15
L1524765-02	AEI SG3	SOIL_VAPOR	112 WEST 25TH STREET, NY, NY	09/28/15 11:03	10/01/15
L1524765-03	AEI SG2	SOIL_VAPOR	112 WEST 25TH STREET, NY, NY	09/28/15 13:35	10/01/15
L1524765-04	AEI SG1	SOIL_VAPOR	112 WEST 25TH STREET, NY, NY	09/28/15 14:35	10/01/15
L1524765-05	AEI SG4 (5-5.5)	SOIL_VAPOR	112 WEST 25TH STREET, NY, NY	10/01/15 08:33	10/01/15
L1524765-06	AEI SG4 (15-15.5)	SOIL_VAPOR	112 WEST 25TH STREET, NY, NY	10/01/15 08:47	10/01/15
L1524765-07	AEI SG5 (4.5-5)	SOIL_VAPOR	112 WEST 25TH STREET, NY, NY	10/01/15 10:12	10/01/15

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: LAMGEN **Lab Number:** L1524765
Project Number: 343443 **Report Date:** 10/08/15

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on September 28, 2015. The canister certification results are provided as an addendum.

Samples L1524765-01 through -06: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

Samples L1524765-01, -02, -03, and -06 were diluted and re-analyzed to quantify the samples within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compounds that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compounds that exceeded the calibration range.

Samples L1524765-01 through -06: The presence of Acetone could not be determined in these samples due to a non-target compound interfering with the identification and quantification of this compound.

Sample L1524765-07: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Sample L1524765-07 results for Acetone should be considered estimated due to co-elution with a non-target peak.

The WG828310-3 LCS recoveries for 1,2,4-Trichlorobenzene (158%) and hexachlorobutadiene (143%) are above the upper 130% acceptance limit. The response for this compound was elevated however it was not detected in any of the associated samples therefore no further action was taken.

Sample Receipt

The sample designated AEI SG5 (L1524765-01) had a RPD for the pre- and post-flow controller calibration

Project Name: LAMGEN **Lab Number:** L1524765
Project Number: 343443 **Report Date:** 10/08/15

Case Narrative (continued)

check (190% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 192 mL/minute; the final flow rate was 5 mL/minute. The final pressure recorded by the laboratory of the associated canister was -4.0 inches of mercury. No further action was required.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 10/08/15

AIR

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-01 D
Client ID: AEI SG5
Sample Location: 112 WEST 25TH STREET, NY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/06/15 19:54
Analyst: RY

Date Collected: 09/28/15 11:37
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	940.	--	ND	4650	--		4699
Chloromethane	ND	940.	--	ND	1940	--		4699
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	940.	--	ND	6570	--		4699
Vinyl chloride	ND	940.	--	ND	2400	--		4699
1,3-Butadiene	ND	940.	--	ND	2080	--		4699
Bromomethane	ND	940.	--	ND	3650	--		4699
Chloroethane	ND	940.	--	ND	2480	--		4699
Ethyl Alcohol	ND	11700	--	ND	22000	--		4699
Vinyl bromide	ND	940.	--	ND	4110	--		4699
Acetone	ND	4700	--	ND	11200	--		4699
Trichlorofluoromethane	ND	940.	--	ND	5280	--		4699
iso-Propyl Alcohol	ND	2350	--	ND	5780	--		4699
1,1-Dichloroethene	ND	940.	--	ND	3730	--		4699
tert-Butyl Alcohol	ND	2350	--	ND	7120	--		4699
Methylene chloride	ND	2350	--	ND	8160	--		4699
3-Chloropropene	ND	940.	--	ND	2940	--		4699
Carbon disulfide	ND	940.	--	ND	2930	--		4699
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	940.	--	ND	7200	--		4699
trans-1,2-Dichloroethene	ND	940.	--	ND	3730	--		4699
1,1-Dichloroethane	ND	940.	--	ND	3800	--		4699
Methyl tert butyl ether	ND	940.	--	ND	3390	--		4699
2-Butanone	ND	2350	--	ND	6930	--		4699
cis-1,2-Dichloroethene	ND	940.	--	ND	3730	--		4699
Ethyl Acetate	ND	2350	--	ND	8470	--		4699

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-01 D
Client ID: AEI SG5
Sample Location: 112 WEST 25TH STREET, NY, NY
Date Collected: 09/28/15 11:37
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	940.	--	ND	4590	--		4699
Tetrahydrofuran	ND	2350	--	ND	6930	--		4699
1,2-Dichloroethane	ND	940.	--	ND	3800	--		4699
n-Hexane	1240000	940	--	4370000	3310	--	E	4699
1,1,1-Trichloroethane	ND	940.	--	ND	5130	--		4699
Benzene	1450	940	--	4630	3000	--		4699
Carbon tetrachloride	ND	940.	--	ND	5910	--		4699
Cyclohexane	657000	940	--	2260000	3240	--	E	4699
1,2-Dichloropropane	ND	940.	--	ND	4340	--		4699
Bromodichloromethane	ND	940.	--	ND	6300	--		4699
1,4-Dioxane	ND	940.	--	ND	3390	--		4699
Trichloroethene	ND	940.	--	ND	5050	--		4699
2,2,4-Trimethylpentane	ND	940.	--	ND	4390	--		4699
Heptane	677000	940	--	2770000	3850	--	E	4699
cis-1,3-Dichloropropene	ND	940.	--	ND	4270	--		4699
4-Methyl-2-pentanone	ND	2350	--	ND	9630	--		4699
trans-1,3-Dichloropropene	ND	940.	--	ND	4270	--		4699
1,1,2-Trichloroethane	ND	940.	--	ND	5130	--		4699
Toluene	53000	940	--	200000	3540	--		4699
2-Hexanone	ND	940.	--	ND	3850	--		4699
Dibromochloromethane	ND	940.	--	ND	8010	--		4699
1,2-Dibromoethane	ND	940.	--	ND	7220	--		4699
Tetrachloroethene	ND	940.	--	ND	6370	--		4699
Chlorobenzene	ND	940.	--	ND	4330	--		4699
Ethylbenzene	17300	940	--	75100	4080	--		4699
p/m-Xylene	24400	1880	--	106000	8170	--		4699
Bromoform	ND	940.	--	ND	9720	--		4699
Styrene	ND	940.	--	ND	4000	--		4699

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-01 D
Client ID: AEI SG5
Sample Location: 112 WEST 25TH STREET, NY, NY

Date Collected: 09/28/15 11:37
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	940.	--	ND	6460	--		4699
o-Xylene	7310	940	--	31800	4080	--		4699
4-Ethyltoluene	ND	940.	--	ND	4620	--		4699
1,3,5-Trimethylbenzene	ND	940.	--	ND	4620	--		4699
1,2,4-Trimethylbenzene	ND	940.	--	ND	4620	--		4699
Benzyl chloride	ND	940.	--	ND	4870	--		4699
1,3-Dichlorobenzene	ND	940.	--	ND	5650	--		4699
1,4-Dichlorobenzene	ND	940.	--	ND	5650	--		4699
1,2-Dichlorobenzene	ND	940.	--	ND	5650	--		4699
1,2,4-Trichlorobenzene	ND	940.	--	ND	6980	--		4699
Hexachlorobutadiene	ND	940.	--	ND	10000	--		4699

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	105		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	109		60-140

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID:	L1524765-01 D2	Date Collected:	09/28/15 11:37
Client ID:	AEI SG5	Date Received:	10/01/15
Sample Location:	112 WEST 25TH STREET, NY, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	10/07/15 06:38		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Hexane	1950000	4720	--	6870000	16600	--		23580
Cyclohexane	759000	4720	--	2610000	16200	--		23580
Heptane	986000	4720	--	4040000	19300	--		23580

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	100		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	93		60-140

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-02 D
Client ID: AEI SG3
Sample Location: 112 WEST 25TH STREET, NY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/06/15 20:27
Analyst: RY

Date Collected: 09/28/15 11:03
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	935.	--	ND	4620	--		4673
Chloromethane	ND	935.	--	ND	1930	--		4673
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	935.	--	ND	6540	--		4673
Vinyl chloride	ND	935.	--	ND	2390	--		4673
1,3-Butadiene	ND	935.	--	ND	2070	--		4673
Bromomethane	ND	935.	--	ND	3630	--		4673
Chloroethane	ND	935.	--	ND	2470	--		4673
Ethyl Alcohol	ND	11700	--	ND	22000	--		4673
Vinyl bromide	ND	935.	--	ND	4090	--		4673
Acetone	ND	4670	--	ND	11100	--		4673
Trichlorofluoromethane	ND	935.	--	ND	5250	--		4673
iso-Propyl Alcohol	ND	2340	--	ND	5750	--		4673
1,1-Dichloroethene	ND	935.	--	ND	3710	--		4673
tert-Butyl Alcohol	ND	2340	--	ND	7090	--		4673
Methylene chloride	ND	2340	--	ND	8130	--		4673
3-Chloropropene	ND	935.	--	ND	2930	--		4673
Carbon disulfide	ND	935.	--	ND	2910	--		4673
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	935.	--	ND	7170	--		4673
trans-1,2-Dichloroethene	ND	935.	--	ND	3710	--		4673
1,1-Dichloroethane	ND	935.	--	ND	3780	--		4673
Methyl tert butyl ether	ND	935.	--	ND	3370	--		4673
2-Butanone	ND	2340	--	ND	6900	--		4673
cis-1,2-Dichloroethene	ND	935.	--	ND	3710	--		4673
Ethyl Acetate	ND	2340	--	ND	8430	--		4673

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-02 D
Client ID: AEI SG3
Sample Location: 112 WEST 25TH STREET, NY, NY
Date Collected: 09/28/15 11:03
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	935.	--	ND	4570	--		4673
Tetrahydrofuran	ND	2340	--	ND	6900	--		4673
1,2-Dichloroethane	ND	935.	--	ND	3780	--		4673
n-Hexane	778000	935	--	2740000	3300	--	E	4673
1,1,1-Trichloroethane	ND	935.	--	ND	5100	--		4673
Benzene	35800	935	--	114000	2990	--		4673
Carbon tetrachloride	ND	935.	--	ND	5880	--		4673
Cyclohexane	279000	935	--	960000	3220	--		4673
1,2-Dichloropropane	ND	935.	--	ND	4320	--		4673
Bromodichloromethane	ND	935.	--	ND	6260	--		4673
1,4-Dioxane	ND	935.	--	ND	3370	--		4673
Trichloroethene	ND	935.	--	ND	5020	--		4673
2,2,4-Trimethylpentane	136000	935	--	635000	4370	--		4673
Heptane	422000	935	--	1730000	3830	--		4673
cis-1,3-Dichloropropene	ND	935.	--	ND	4240	--		4673
4-Methyl-2-pentanone	ND	2340	--	ND	9590	--		4673
trans-1,3-Dichloropropene	ND	935.	--	ND	4240	--		4673
1,1,2-Trichloroethane	ND	935.	--	ND	5100	--		4673
Toluene	281000	935	--	1060000	3520	--		4673
2-Hexanone	ND	935.	--	ND	3830	--		4673
Dibromochloromethane	ND	935.	--	ND	7970	--		4673
1,2-Dibromoethane	ND	935.	--	ND	7190	--		4673
Tetrachloroethene	ND	935.	--	ND	6340	--		4673
Chlorobenzene	ND	935.	--	ND	4310	--		4673
Ethylbenzene	38700	935	--	168000	4060	--		4673
p/m-Xylene	100000	1870	--	434000	8120	--		4673
Bromoform	ND	935.	--	ND	9670	--		4673
Styrene	ND	935.	--	ND	3980	--		4673

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-02 D
Client ID: AEI SG3
Sample Location: 112 WEST 25TH STREET, NY, NY

Date Collected: 09/28/15 11:03
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	935.	--	ND	6420	--		4673
o-Xylene	26600	935	--	116000	4060	--		4673
4-Ethyltoluene	ND	935	--	ND	4600	--		4673
1,3,5-Trimethylbenzene	ND	935.	--	ND	4600	--		4673
1,2,4-Trimethylbenzene	ND	935.	--	ND	4600	--		4673
Benzyl chloride	ND	935.	--	ND	4840	--		4673
1,3-Dichlorobenzene	ND	935.	--	ND	5620	--		4673
1,4-Dichlorobenzene	ND	935.	--	ND	5620	--		4673
1,2-Dichlorobenzene	ND	935.	--	ND	5620	--		4673
1,2,4-Trichlorobenzene	ND	935.	--	ND	6940	--		4673
Hexachlorobutadiene	ND	935.	--	ND	9970	--		4673

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	105		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	106		60-140

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID:	L1524765-02 D2	Date Collected:	09/28/15 11:03
Client ID:	AEI SG3	Date Received:	10/01/15
Sample Location:	112 WEST 25TH STREET, NY, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	10/07/15 07:09		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Hexane	847000	2340	--	2990000	8250	--		11680

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	100		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	94		60-140

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-03 D
Client ID: AEI SG2
Sample Location: 112 WEST 25TH STREET, NY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/06/15 20:58
Analyst: RY

Date Collected: 09/28/15 13:35
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	943.	--	ND	4660	--		4717
Chloromethane	ND	943.	--	ND	1950	--		4717
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	943.	--	ND	6590	--		4717
Vinyl chloride	ND	943.	--	ND	2410	--		4717
1,3-Butadiene	ND	943.	--	ND	2090	--		4717
Bromomethane	ND	943.	--	ND	3660	--		4717
Chloroethane	ND	943.	--	ND	2490	--		4717
Ethyl Alcohol	ND	11800	--	ND	22200	--		4717
Vinyl bromide	ND	943.	--	ND	4120	--		4717
Acetone	ND	4720	--	ND	11200	--		4717
Trichlorofluoromethane	ND	943.	--	ND	5300	--		4717
iso-Propyl Alcohol	ND	2360	--	ND	5800	--		4717
1,1-Dichloroethene	ND	943.	--	ND	3740	--		4717
tert-Butyl Alcohol	ND	2360	--	ND	7150	--		4717
Methylene chloride	ND	2360	--	ND	8200	--		4717
3-Chloropropene	ND	943.	--	ND	2950	--		4717
Carbon disulfide	ND	943.	--	ND	2940	--		4717
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	943.	--	ND	7230	--		4717
trans-1,2-Dichloroethene	ND	943.	--	ND	3740	--		4717
1,1-Dichloroethane	ND	943.	--	ND	3820	--		4717
Methyl tert butyl ether	ND	943.	--	ND	3400	--		4717
2-Butanone	ND	2360	--	ND	6960	--		4717
cis-1,2-Dichloroethene	ND	943.	--	ND	3740	--		4717
Ethyl Acetate	ND	2360	--	ND	8500	--		4717

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-03 D
Client ID: AEI SG2
Sample Location: 112 WEST 25TH STREET, NY, NY
Date Collected: 09/28/15 13:35
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	943.	--	ND	4610	--		4717
Tetrahydrofuran	ND	2360	--	ND	6960	--		4717
1,2-Dichloroethane	ND	943.	--	ND	3820	--		4717
n-Hexane	814000	943	--	2870000	3320	--	E	4717
1,1,1-Trichloroethane	ND	943.	--	ND	5150	--		4717
Benzene	136000	943	--	434000	3010	--		4717
Carbon tetrachloride	ND	943.	--	ND	5930	--		4717
Cyclohexane	311000	943	--	1070000	3250	--		4717
1,2-Dichloropropane	ND	943.	--	ND	4360	--		4717
Bromodichloromethane	ND	943.	--	ND	6320	--		4717
1,4-Dioxane	ND	943.	--	ND	3400	--		4717
Trichloroethene	ND	943	--	ND	5070	--		4717
2,2,4-Trimethylpentane	316000	943	--	1480000	4400	--		4717
Heptane	561000	943	--	2300000	3860	--	E	4717
cis-1,3-Dichloropropene	ND	943.	--	ND	4280	--		4717
4-Methyl-2-pentanone	ND	2360	--	ND	9670	--		4717
trans-1,3-Dichloropropene	ND	943.	--	ND	4280	--		4717
1,1,2-Trichloroethane	ND	943.	--	ND	5150	--		4717
Toluene	336000	943	--	1270000	3550	--		4717
2-Hexanone	ND	943.	--	ND	3860	--		4717
Dibromochloromethane	ND	943.	--	ND	8030	--		4717
1,2-Dibromoethane	ND	943.	--	ND	7250	--		4717
Tetrachloroethene	ND	943.	--	ND	6390	--		4717
Chlorobenzene	ND	943.	--	ND	4340	--		4717
Ethylbenzene	42200	943	--	183000	4100	--		4717
p/m-Xylene	97300	1890	--	423000	8210	--		4717
Bromoform	ND	943.	--	ND	9750	--		4717
Styrene	ND	943.	--	ND	4010	--		4717

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-03 D
Client ID: AEI SG2
Sample Location: 112 WEST 25TH STREET, NY, NY

Date Collected: 09/28/15 13:35
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	943.	--	ND	6480	--		4717
o-Xylene	19600	943	--	85100	4100	--		4717
4-Ethyltoluene	ND	943.	--	ND	4640	--		4717
1,3,5-Trimethylbenzene	ND	943.	--	ND	4640	--		4717
1,2,4-Trimethylbenzene	ND	943.	--	ND	4640	--		4717
Benzyl chloride	ND	943.	--	ND	4880	--		4717
1,3-Dichlorobenzene	ND	943.	--	ND	5670	--		4717
1,4-Dichlorobenzene	ND	943.	--	ND	5670	--		4717
1,2-Dichlorobenzene	ND	943.	--	ND	5670	--		4717
1,2,4-Trichlorobenzene	ND	943.	--	ND	7000	--		4717
Hexachlorobutadiene	ND	943.	--	ND	10100	--		4717

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	105		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	111		60-140

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID:	L1524765-03 D2	Date Collected:	09/28/15 13:35
Client ID:	AEI SG2	Date Received:	10/01/15
Sample Location:	112 WEST 25TH STREET, NY, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	10/07/15 07:41		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Hexane	920000	2360	--	3240000	8320	--		11790
Heptane	687000	2360	--	2820000	9670	--		11790

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	100		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	97		60-140

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-04 D
Client ID: AEI SG1
Sample Location: 112 WEST 25TH STREET, NY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/06/15 21:30
Analyst: RY

Date Collected: 09/28/15 14:35
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	943.	--	ND	4660	--		4717
Chloromethane	ND	943.	--	ND	1950	--		4717
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	943.	--	ND	6590	--		4717
Vinyl chloride	ND	943.	--	ND	2410	--		4717
1,3-Butadiene	ND	943.	--	ND	2090	--		4717
Bromomethane	ND	943.	--	ND	3660	--		4717
Chloroethane	ND	943.	--	ND	2490	--		4717
Ethyl Alcohol	ND	11800	--	ND	22200	--		4717
Vinyl bromide	ND	943.	--	ND	4120	--		4717
Acetone	ND	4720	--	ND	11200	--		4717
Trichlorofluoromethane	ND	943.	--	ND	5300	--		4717
iso-Propyl Alcohol	ND	2360	--	ND	5800	--		4717
1,1-Dichloroethene	ND	943.	--	ND	3740	--		4717
tert-Butyl Alcohol	ND	2360	--	ND	7150	--		4717
Methylene chloride	ND	2360	--	ND	8200	--		4717
3-Chloropropene	ND	943.	--	ND	2950	--		4717
Carbon disulfide	ND	943.	--	ND	2940	--		4717
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	943.	--	ND	7230	--		4717
trans-1,2-Dichloroethene	ND	943.	--	ND	3740	--		4717
1,1-Dichloroethane	ND	943.	--	ND	3820	--		4717
Methyl tert butyl ether	ND	943.	--	ND	3400	--		4717
2-Butanone	ND	2360	--	ND	6960	--		4717
cis-1,2-Dichloroethene	ND	943.	--	ND	3740	--		4717
Ethyl Acetate	ND	2360	--	ND	8500	--		4717

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-04 D
Client ID: AEI SG1
Sample Location: 112 WEST 25TH STREET, NY, NY
Date Collected: 09/28/15 14:35
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	943.	--	ND	4610	--		4717
Tetrahydrofuran	ND	2360	--	ND	6960	--		4717
1,2-Dichloroethane	ND	943.	--	ND	3820	--		4717
n-Hexane	241000	943	--	849000	3320	--		4717
1,1,1-Trichloroethane	ND	943.	--	ND	5150	--		4717
Benzene	7210	943	--	23000	3010	--		4717
Carbon tetrachloride	ND	943.	--	ND	5930	--		4717
Cyclohexane	52100	943	--	179000	3250	--		4717
1,2-Dichloropropane	ND	943.	--	ND	4360	--		4717
Bromodichloromethane	ND	943.	--	ND	6320	--		4717
1,4-Dioxane	ND	943.	--	ND	3400	--		4717
Trichloroethene	ND	943.	--	ND	5070	--		4717
2,2,4-Trimethylpentane	290000	943	--	1350000	4400	--		4717
Heptane	265000	943	--	1090000	3860	--		4717
cis-1,3-Dichloropropene	ND	943.	--	ND	4280	--		4717
4-Methyl-2-pentanone	ND	2360	--	ND	9670	--		4717
trans-1,3-Dichloropropene	ND	943.	--	ND	4280	--		4717
1,1,2-Trichloroethane	ND	943.	--	ND	5150	--		4717
Toluene	107000	943	--	403000	3550	--		4717
2-Hexanone	ND	943.	--	ND	3860	--		4717
Dibromochloromethane	ND	943.	--	ND	8030	--		4717
1,2-Dibromoethane	ND	943.	--	ND	7250	--		4717
Tetrachloroethene	ND	943.	--	ND	6390	--		4717
Chlorobenzene	ND	943.	--	ND	4340	--		4717
Ethylbenzene	53600	943	--	233000	4100	--		4717
p/m-Xylene	172000	1890	--	747000	8210	--		4717
Bromoform	ND	943.	--	ND	9750	--		4717
Styrene	ND	943.	--	ND	4010	--		4717

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-04 D
Client ID: AEI SG1
Sample Location: 112 WEST 25TH STREET, NY, NY
Date Collected: 09/28/15 14:35
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	943.	--	ND	6480	--		4717
o-Xylene	34000	943	--	148000	4100	--		4717
4-Ethyltoluene	ND	943	--	ND	4640	--		4717
1,3,5-Trimethylbenzene	ND	943	--	ND	4640	--		4717
1,2,4-Trimethylbenzene	ND	943	--	ND	4640	--		4717
Benzyl chloride	ND	943.	--	ND	4880	--		4717
1,3-Dichlorobenzene	ND	943.	--	ND	5670	--		4717
1,4-Dichlorobenzene	ND	943.	--	ND	5670	--		4717
1,2-Dichlorobenzene	ND	943.	--	ND	5670	--		4717
1,2,4-Trichlorobenzene	ND	943.	--	ND	7000	--		4717
Hexachlorobutadiene	ND	943.	--	ND	10100	--		4717

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	99		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	104		60-140

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-05 D
Client ID: AEI SG4 (5-5.5)
Sample Location: 112 WEST 25TH STREET, NY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/06/15 22:35
Analyst: RY

Date Collected: 10/01/15 08:33
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	36.1	--	ND	179	--		180.7
Chloromethane	ND	36.1	--	ND	74.5	--		180.7
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	36.1	--	ND	252	--		180.7
Vinyl chloride	ND	36.1	--	ND	92.3	--		180.7
1,3-Butadiene	ND	36.1	--	ND	79.9	--		180.7
Bromomethane	ND	36.1	--	ND	140	--		180.7
Chloroethane	ND	36.1	--	ND	95.3	--		180.7
Ethyl Alcohol	ND	452	--	ND	852	--		180.7
Vinyl bromide	ND	36.1	--	ND	158	--		180.7
Acetone	ND	181.	--	ND	430	--		180.7
Trichlorofluoromethane	ND	36.1	--	ND	203	--		180.7
iso-Propyl Alcohol	ND	90.4	--	ND	222	--		180.7
1,1-Dichloroethene	ND	36.1	--	ND	143	--		180.7
tert-Butyl Alcohol	ND	90.4	--	ND	274	--		180.7
Methylene chloride	ND	90.4	--	ND	314	--		180.7
3-Chloropropene	ND	36.1	--	ND	113	--		180.7
Carbon disulfide	ND	36.1	--	ND	112	--		180.7
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	36.1	--	ND	277	--		180.7
trans-1,2-Dichloroethene	ND	36.1	--	ND	143	--		180.7
1,1-Dichloroethane	ND	36.1	--	ND	146	--		180.7
Methyl tert butyl ether	ND	36.1	--	ND	130	--		180.7
2-Butanone	ND	90.4	--	ND	267	--		180.7
cis-1,2-Dichloroethene	ND	36.1	--	ND	143	--		180.7
Ethyl Acetate	ND	90.4	--	ND	326	--		180.7

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-05 D
Client ID: AEI SG4 (5-5.5)
Sample Location: 112 WEST 25TH STREET, NY, NY

Date Collected: 10/01/15 08:33
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	36.1	--	ND	176	--		180.7
Tetrahydrofuran	ND	90.4	--	ND	267	--		180.7
1,2-Dichloroethane	ND	36.1	--	ND	146	--		180.7
n-Hexane	13100	36.1	--	46200	127	--		180.7
1,1,1-Trichloroethane	ND	36.1	--	ND	197	--		180.7
Benzene	ND	36.1	--	ND	115	--		180.7
Carbon tetrachloride	ND	36.1	--	ND	227	--		180.7
Cyclohexane	10200	36.1	--	35100	124	--		180.7
1,2-Dichloropropane	ND	36.1	--	ND	167	--		180.7
Bromodichloromethane	ND	36.1	--	ND	242	--		180.7
1,4-Dioxane	ND	36.1	--	ND	130	--		180.7
Trichloroethene	ND	36.1	--	ND	194	--		180.7
2,2,4-Trimethylpentane	2770	36.1	--	12900	169	--		180.7
Heptane	2770	36.1	--	11400	148	--		180.7
cis-1,3-Dichloropropene	ND	36.1	--	ND	164	--		180.7
4-Methyl-2-pentanone	ND	90.4	--	ND	370	--		180.7
trans-1,3-Dichloropropene	ND	36.1	--	ND	164	--		180.7
1,1,2-Trichloroethane	ND	36.1	--	ND	197	--		180.7
Toluene	82.8	36.1	--	312	136	--		180.7
2-Hexanone	ND	36.1	--	ND	148	--		180.7
Dibromochloromethane	ND	36.1	--	ND	308	--		180.7
1,2-Dibromoethane	ND	36.1	--	ND	277	--		180.7
Tetrachloroethene	53.8	36.1	--	365	245	--		180.7
Chlorobenzene	ND	36.1	--	ND	166	--		180.7
Ethylbenzene	ND	36.1	--	ND	157	--		180.7
p/m-Xylene	ND	72.3	--	ND	314	--		180.7
Bromoform	ND	36.1	--	ND	373	--		180.7
Styrene	ND	36.1	--	ND	154	--		180.7

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-05 D
Client ID: AEI SG4 (5-5.5)
Sample Location: 112 WEST 25TH STREET, NY, NY
Date Collected: 10/01/15 08:33
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	36.1	--	ND	248	--		180.7
o-Xylene	ND	36.1	--	ND	157	--		180.7
4-Ethyltoluene	ND	36.1	--	ND	177	--		180.7
1,3,5-Trimethylbenzene	ND	36.1	--	ND	177	--		180.7
1,2,4-Trimethylbenzene	ND	36.1	--	ND	177	--		180.7
Benzyl chloride	ND	36.1	--	ND	187	--		180.7
1,3-Dichlorobenzene	ND	36.1	--	ND	217	--		180.7
1,4-Dichlorobenzene	ND	36.1	--	ND	217	--		180.7
1,2-Dichlorobenzene	ND	36.1	--	ND	217	--		180.7
1,2,4-Trichlorobenzene	ND	36.1	--	ND	268	--		180.7
Hexachlorobutadiene	ND	36.1	--	ND	385	--		180.7

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	94		60-140

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-06 D
Client ID: AEI SG4 (15-15.5)
Sample Location: 112 WEST 25TH STREET, NY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/06/15 22:03
Analyst: RY

Date Collected: 10/01/15 08:47
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	914.	--	ND	4520	--		4570
Chloromethane	ND	914.	--	ND	1890	--		4570
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	914.	--	ND	6390	--		4570
Vinyl chloride	ND	914.	--	ND	2340	--		4570
1,3-Butadiene	ND	914.	--	ND	2020	--		4570
Bromomethane	ND	914.	--	ND	3550	--		4570
Chloroethane	ND	914.	--	ND	2410	--		4570
Ethyl Alcohol	ND	11400	--	ND	21500	--		4570
Vinyl bromide	ND	914.	--	ND	4000	--		4570
Acetone	ND	4570	--	ND	10900	--		4570
Trichlorofluoromethane	ND	914.	--	ND	5140	--		4570
iso-Propyl Alcohol	ND	2280	--	ND	5600	--		4570
1,1-Dichloroethene	ND	914.	--	ND	3620	--		4570
tert-Butyl Alcohol	ND	2280	--	ND	6910	--		4570
Methylene chloride	ND	2280	--	ND	7920	--		4570
3-Chloropropene	ND	914.	--	ND	2860	--		4570
Carbon disulfide	ND	914.	--	ND	2850	--		4570
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	914.	--	ND	7010	--		4570
trans-1,2-Dichloroethene	ND	914.	--	ND	3620	--		4570
1,1-Dichloroethane	ND	914.	--	ND	3700	--		4570
Methyl tert butyl ether	ND	914.	--	ND	3300	--		4570
2-Butanone	ND	2280	--	ND	6720	--		4570
cis-1,2-Dichloroethene	ND	914.	--	ND	3620	--		4570
Ethyl Acetate	ND	2280	--	ND	8220	--		4570

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-06 D
Client ID: AEI SG4 (15-15.5)
Sample Location: 112 WEST 25TH STREET, NY, NY
Date Collected: 10/01/15 08:47
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	914.	--	ND	4460	--		4570
Tetrahydrofuran	ND	2280	--	ND	6720	--		4570
1,2-Dichloroethane	ND	914.	--	ND	3700	--		4570
n-Hexane	795000	914	--	2800000	3220	--	E	4570
1,1,1-Trichloroethane	ND	914.	--	ND	4990	--		4570
Benzene	14700	914	--	47000	2920	--		4570
Carbon tetrachloride	ND	914.	--	ND	5750	--		4570
Cyclohexane	224000	914	--	771000	3150	--		4570
1,2-Dichloropropane	ND	914.	--	ND	4220	--		4570
Bromodichloromethane	ND	914.	--	ND	6120	--		4570
1,4-Dioxane	ND	914.	--	ND	3290	--		4570
Trichloroethene	ND	914.	--	ND	4910	--		4570
2,2,4-Trimethylpentane	73900	914	--	345000	4270	--		4570
Heptane	266000	914	--	1090000	3750	--		4570
cis-1,3-Dichloropropene	ND	914.	--	ND	4150	--		4570
4-Methyl-2-pentanone	ND	2280	--	ND	9340	--		4570
trans-1,3-Dichloropropene	ND	914.	--	ND	4150	--		4570
1,1,2-Trichloroethane	ND	914.	--	ND	4990	--		4570
Toluene	19500	914	--	73500	3440	--		4570
2-Hexanone	ND	914.	--	ND	3750	--		4570
Dibromochloromethane	ND	914.	--	ND	7790	--		4570
1,2-Dibromoethane	ND	914.	--	ND	7020	--		4570
Tetrachloroethene	ND	914.	--	ND	6200	--		4570
Chlorobenzene	ND	914.	--	ND	4210	--		4570
Ethylbenzene	2300	914	--	9990	3970	--		4570
p/m-Xylene	3780	1830	--	16400	7950	--		4570
Bromoform	ND	914.	--	ND	9450	--		4570
Styrene	ND	914.	--	ND	3890	--		4570

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-06 D
Client ID: AEI SG4 (15-15.5)
Sample Location: 112 WEST 25TH STREET, NY, NY
Date Collected: 10/01/15 08:47
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	914.	--	ND	6280	--		4570
o-Xylene	ND	914.	--	ND	3970	--		4570
4-Ethyltoluene	ND	914.	--	ND	4490	--		4570
1,3,5-Trimethylbenzene	ND	914.	--	ND	4490	--		4570
1,2,4-Trimethylbenzene	ND	914.	--	ND	4490	--		4570
Benzyl chloride	ND	914.	--	ND	4730	--		4570
1,3-Dichlorobenzene	ND	914.	--	ND	5500	--		4570
1,4-Dichlorobenzene	ND	914.	--	ND	5500	--		4570
1,2-Dichlorobenzene	ND	914.	--	ND	5500	--		4570
1,2,4-Trichlorobenzene	ND	914.	--	ND	6780	--		4570
Hexachlorobutadiene	ND	914.	--	ND	9750	--		4570

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	104		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	101		60-140

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID:	L1524765-06 D2	Date Collected:	10/01/15 08:47
Client ID:	AEI SG4 (15-15.5)	Date Received:	10/01/15
Sample Location:	112 WEST 25TH STREET, NY, NY	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Anaytical Method:	48,TO-15		
Analytical Date:	10/07/15 08:13		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Hexane	908000	2280	--	3200000	8040	--		11420

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	98		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	92		60-140

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-07 D
Client ID: AEI SG5 (4.5-5)
Sample Location: 112 WEST 25TH STREET, NY, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/06/15 19:22
Analyst: RY

Date Collected: 10/01/15 10:12
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	1.00	--	ND	4.94	--		5
Chloromethane	ND	1.00	--	ND	2.07	--		5
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	1.00	--	ND	6.99	--		5
Vinyl chloride	ND	1.00	--	ND	2.56	--		5
1,3-Butadiene	ND	1.00	--	ND	2.21	--		5
Bromomethane	ND	1.00	--	ND	3.88	--		5
Chloroethane	ND	1.00	--	ND	2.64	--		5
Ethyl Alcohol	13.0	12.5	--	24.5	23.6	--		5
Vinyl bromide	ND	1.00	--	ND	4.37	--		5
Acetone	61.2	5.00	--	145	11.9	--		5
Trichlorofluoromethane	ND	1.00	--	ND	5.62	--		5
iso-Propyl Alcohol	ND	2.50	--	ND	6.15	--		5
1,1-Dichloroethene	ND	1.00	--	ND	3.96	--		5
tert-Butyl Alcohol	ND	2.50	--	ND	7.58	--		5
Methylene chloride	ND	2.50	--	ND	8.69	--		5
3-Chloropropene	ND	1.00	--	ND	3.13	--		5
Carbon disulfide	ND	1.00	--	ND	3.11	--		5
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.00	--	ND	7.66	--		5
trans-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
1,1-Dichloroethane	ND	1.00	--	ND	4.05	--		5
Methyl tert butyl ether	ND	1.00	--	ND	3.61	--		5
2-Butanone	ND	2.50	--	ND	7.37	--		5
cis-1,2-Dichloroethene	ND	1.00	--	ND	3.96	--		5
Ethyl Acetate	ND	2.50	--	ND	9.01	--		5

Project Name: LAMGEN
Project Number: 343443
Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-07 D
Client ID: AEI SG5 (4.5-5)
Sample Location: 112 WEST 25TH STREET, NY, NY
Date Collected: 10/01/15 10:12
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	1.00	--	ND	4.88	--		5
Tetrahydrofuran	ND	2.50	--	ND	7.37	--		5
1,2-Dichloroethane	ND	1.00	--	ND	4.05	--		5
n-Hexane	9.20	1.00	--	32.4	3.52	--		5
1,1,1-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Benzene	1.38	1.00	--	4.41	3.19	--		5
Carbon tetrachloride	ND	1.00	--	ND	6.29	--		5
Cyclohexane	14.6	1.00	--	50.3	3.44	--		5
1,2-Dichloropropane	ND	1.00	--	ND	4.62	--		5
Bromodichloromethane	ND	1.00	--	ND	6.70	--		5
1,4-Dioxane	ND	1.00	--	ND	3.60	--		5
Trichloroethene	9.86	1.00	--	53.0	5.37	--		5
2,2,4-Trimethylpentane	ND	1.00	--	ND	4.67	--		5
Heptane	4.75	1.00	--	19.5	4.10	--		5
cis-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	1.00	--	ND	4.54	--		5
1,1,2-Trichloroethane	ND	1.00	--	ND	5.46	--		5
Toluene	3.02	1.00	--	11.4	3.77	--		5
2-Hexanone	ND	1.00	--	ND	4.10	--		5
Dibromochloromethane	ND	1.00	--	ND	8.52	--		5
1,2-Dibromoethane	ND	1.00	--	ND	7.69	--		5
Tetrachloroethene	16.2	1.00	--	110	6.78	--		5
Chlorobenzene	ND	1.00	--	ND	4.61	--		5
Ethylbenzene	2.37	1.00	--	10.3	4.34	--		5
p/m-Xylene	26.6	2.00	--	116	8.69	--		5
Bromoform	ND	1.00	--	ND	10.3	--		5
Styrene	ND	1.00	--	ND	4.26	--		5

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

SAMPLE RESULTS

Lab ID: L1524765-07 D
Client ID: AEI SG5 (4.5-5)
Sample Location: 112 WEST 25TH STREET, NY, NY

Date Collected: 10/01/15 10:12
Date Received: 10/01/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	1.00	--	ND	6.87	--		5
o-Xylene	19.8	1.00	--	86.0	4.34	--		5
4-Ethyltoluene	3.96	1.00	--	19.5	4.92	--		5
1,3,5-Trimethylbenzene	5.01	1.00	--	24.6	4.92	--		5
1,2,4-Trimethylbenzene	4.19	1.00	--	20.6	4.92	--		5
Benzyl chloride	ND	1.00	--	ND	5.18	--		5
1,3-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,4-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2-Dichlorobenzene	ND	1.00	--	ND	6.01	--		5
1,2,4-Trichlorobenzene	ND	1.00	--	ND	7.42	--		5
Hexachlorobutadiene	ND	1.00	--	ND	10.7	--		5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	82		60-140
chlorobenzene-d5	85		60-140

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/06/15 14:00

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG828310-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/06/15 14:00

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG828310-4								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/06/15 14:00

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG828310-4								
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG828310-3								
Dichlorodifluoromethane	86		-		70-130	-		
Chloromethane	101		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	96		-		70-130	-		
Vinyl chloride	108		-		70-130	-		
1,3-Butadiene	107		-		70-130	-		
Bromomethane	111		-		70-130	-		
Chloroethane	110		-		70-130	-		
Ethyl Alcohol	83		-		70-130	-		
Vinyl bromide	110		-		70-130	-		
Acetone	104		-		70-130	-		
Trichlorofluoromethane	110		-		70-130	-		
iso-Propyl Alcohol	99		-		70-130	-		
1,1-Dichloroethene	108		-		70-130	-		
tert-Butyl Alcohol	98		-		70-130	-		
Methylene chloride	106		-		70-130	-		
3-Chloropropene	96		-		70-130	-		
Carbon disulfide	108		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	113		-		70-130	-		
trans-1,2-Dichloroethene	95		-		70-130	-		
1,1-Dichloroethane	105		-		70-130	-		
Methyl tert butyl ether	98		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG828310-3								
2-Butanone	96		-		70-130	-		
cis-1,2-Dichloroethene	118		-		70-130	-		
Ethyl Acetate	109		-		70-130	-		
Chloroform	108		-		70-130	-		
Tetrahydrofuran	90		-		70-130	-		
1,2-Dichloroethane	105		-		70-130	-		
n-Hexane	98		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		
Benzene	100		-		70-130	-		
Carbon tetrachloride	108		-		70-130	-		
Cyclohexane	92		-		70-130	-		
1,2-Dichloropropane	99		-		70-130	-		
Bromodichloromethane	104		-		70-130	-		
1,4-Dioxane	100		-		70-130	-		
Trichloroethene	114		-		70-130	-		
2,2,4-Trimethylpentane	100		-		70-130	-		
Heptane	92		-		70-130	-		
cis-1,3-Dichloropropene	107		-		70-130	-		
4-Methyl-2-pentanone	96		-		70-130	-		
trans-1,3-Dichloropropene	92		-		70-130	-		
1,1,2-Trichloroethane	111		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG828310-3								
Toluene	106		-		70-130	-		
2-Hexanone	100		-		70-130	-		
Dibromochloromethane	113		-		70-130	-		
1,2-Dibromoethane	113		-		70-130	-		
Tetrachloroethene	108		-		70-130	-		
Chlorobenzene	109		-		70-130	-		
Ethylbenzene	108		-		70-130	-		
p/m-Xylene	110		-		70-130	-		
Bromoform	117		-		70-130	-		
Styrene	110		-		70-130	-		
1,1,2,2-Tetrachloroethane	111		-		70-130	-		
o-Xylene	114		-		70-130	-		
4-Ethyltoluene	109		-		70-130	-		
1,3,5-Trimethylbenzene	112		-		70-130	-		
1,2,4-Trimethylbenzene	126		-		70-130	-		
Benzyl chloride	111		-		70-130	-		
1,3-Dichlorobenzene	124		-		70-130	-		
1,4-Dichlorobenzene	122		-		70-130	-		
1,2-Dichlorobenzene	123		-		70-130	-		
1,2,4-Trichlorobenzene	**158**	Q	-		70-130	-		
Hexachlorobutadiene	**143**	Q	-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG828310-5 QC Sample: L1524765-05 Client ID: AEI SG4 (5-5.5)						
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	ND	ND	ppbV	NC		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	ND	ND	ppbV	NC		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
iso-Propyl Alcohol	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG828310-5 QC Sample: L1524765-05 Client ID: AEI SG4 (5-5.5)					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	13100	12800	ppbV	2	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	10200	9920	ppbV	3	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	2770	2670	ppbV	4	25
Heptane	2770	2670	ppbV	4	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG828310-5 QC Sample: L1524765-05 Client ID: AEI SG4 (5-5.5)					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	82.8	79.9	ppbV	4	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	53.8	53.5	ppbV	1	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG828310-5 QC Sample: L1524765-05 Client ID: AEI SG4 (5-5.5)					
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: LAMGEN

Project Number: 343443

Lab Number: L1524765

Report Date: 10/08/15

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1524765-01	AEI SG5	0206	#90 SV	09/28/15	210209		-	-	-	Pass	192	5	190
L1524765-01	AEI SG5	457	2.7L Can	09/28/15	210209	L1523494-01	Pass	-30.0	-4.0	-	-	-	-
L1524765-02	AEI SG3	0343	#90 SV	09/28/15	210209		-	-	-	Pass	197	192	3
L1524765-02	AEI SG3	555	2.7L Can	09/28/15	210209	L1523494-01	Pass	-30.0	-3.8	-	-	-	-
L1524765-03	AEI SG2	0015	#90 SV	09/28/15	210209		-	-	-	Pass	193	197	2
L1524765-03	AEI SG2	1736	2.7L Can	09/28/15	210209	L1523494-01	Pass	-30.0	-3.9	-	-	-	-
L1524765-04	AEI SG1	0501	#90 SV	09/28/15	210209		-	-	-	Pass	194	200	3
L1524765-04	AEI SG1	163	2.7L Can	09/28/15	210209	L1523494-01	Pass	-29.8	-4.0	-	-	-	-
L1524765-05	AEI SG4 (5-5.5)	0316	#90 SV	09/28/15	210209		-	-	-	Pass	192	202	5
L1524765-05	AEI SG4 (5-5.5)	452	2.7L Can	09/28/15	210209	L1523494-01	Pass	-29.9	-2.9	-	-	-	-
L1524765-06	AEI SG4 (15-15.5)	0138	#90 SV	09/28/15	210209		-	-	-	Pass	196	197	1
L1524765-06	AEI SG4 (15-15.5)	259	2.7L Can	09/28/15	210209	L1523494-01	Pass	-30.0	-3.1	-	-	-	-
L1524765-07	AEI SG5 (4.5-5)	0126	#90 AMB	09/28/15	210209		-	-	-	Pass	196	201	3
L1524765-07	AEI SG5 (4.5-5)	176	2.7L Can	09/28/15	210209	L1523494-01	Pass	-30.0	-3.1	-	-	-	-

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1523494

Report Date: 10/08/15

Air Canister Certification Results

Lab ID:	L1523494-01	Date Collected:	09/21/15 18:00
Client ID:	CAN 400 SHELF 1	Date Received:	09/22/15
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	09/23/15 20:15		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1523494

Report Date: 10/08/15

Air Canister Certification Results

Lab ID: L1523494-01
Client ID: CAN 400 SHELF 1
Sample Location:

Date Collected: 09/21/15 18:00
Date Received: 09/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1523494

Report Date: 10/08/15

Air Canister Certification Results

Lab ID: L1523494-01
Client ID: CAN 400 SHELF 1
Sample Location:

Date Collected: 09/21/15 18:00
Date Received: 09/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1523494

Report Date: 10/08/15

Air Canister Certification Results

Lab ID: L1523494-01
Client ID: CAN 400 SHELF 1
Sample Location:

Date Collected: 09/21/15 18:00
Date Received: 09/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					
No Tentatively Identified Compounds					

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1523494

Report Date: 10/08/15

Air Canister Certification Results

Lab ID: L1523494-01

Client ID: CAN 400 SHELF 1

Sample Location:

Date Collected: 09/21/15 18:00

Date Received: 09/22/15

Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	88		60-140

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1523494

Report Date: 10/08/15

Air Canister Certification Results

Lab ID: L1523494-01
Client ID: CAN 400 SHELF 1
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 09/23/15 20:15
Analyst: RY

Date Collected: 09/21/15 18:00
Date Received: 09/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1523494

Report Date: 10/08/15

Air Canister Certification Results

Lab ID: L1523494-01
Client ID: CAN 400 SHELF 1
Sample Location:

Date Collected: 09/21/15 18:00
Date Received: 09/22/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name:

Project Number: CANISTER QC BAT

Lab Number: L1523494

Report Date: 10/08/15

Air Canister Certification Results

Lab ID: L1523494-01
Client ID: CAN 400 SHELF 1
Sample Location:

Date Collected: 09/21/15 18:00
Date Received: 09/22/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	92		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	93		60-140

Project Name: LAMGEN
Project Number: 343443

Lab Number: L1524765
Report Date: 10/08/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1524765-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1524765-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1524765-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1524765-04A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1524765-05A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1524765-06A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1524765-07A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	LAMGEN	**Lab Number:**	L1524765
Project Number:	343443	**Report Date:**	10/08/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: Data Usability Report

Project Name: LAMGEN **Lab Number:** L1524765

Project Number: 343443 **Report Date:** 10/08/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide) (soil), Methyl methacrylate (soil), Azobenzene.
EPA 8270D: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/2/15

ALPHA Job #: L1524765

Client Information

Client: AEI Consultants
Address: 20 Gibson Place Freehold, NJ
Phone:
Fax:
Email: jbernarducci@aeiconsultants.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: LAMGEN
Project Location: 112 W 25th St NY NY
Project #: 343443
Project Manager: Joe Bernarducci
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #: 94667

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
24765.01	AEI SG5	9/28	1126	1137	-30.0	-3.75	SV	JB	2.7L	457	0206		X						
02	AEI SG3	9/28	1051	1103	-30.0	-3.74	SV	JB	2.7L	555	0343		X						
03	AEI SG2	9/28	1323	1335	-30.0	-3.61	SV	JB	2.7L	1736	0015		X						
04	AEI SG1	9/28	1424	1435	-29.8	-3.57	SV	JB	2.7L	163	0501		X						
05	AEI SG4(5-5.5)	~~9/30~~ 10/1	0821	0833	-29.9	-3.55	SV	JB	2.7L	452	0316		X						
06	AEI SG4(15-15.5)	~~9/30~~ 10/1	0834	0847	-30.0	-3.65	SV	JB	2.7L	259	0138		X						
07	AEI SG5(4.5-5)	10/1	1000	1012	-30.0	-3.62	SV	JB	2.7L	176	0126		X						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	10/1/15 1215	[signature] AAL	10-1-15 1215
[signature]	10-1-15 1840	Tom Tobin	10-1-15 1840
Tom Tobin	10-2-15 0330	[signature]	10/2/15 0400

ANALYTICAL REPORT

Lab Number:	L1527734
Client:	AEI Consultants 20 Gibson Place Suite 310 Freehold, NJ 07728
ATTN:	Joseph Bernarducci
Phone:	(732) 414-2720
Project Name:	LAM GEN
Project Number:	343443
Report Date:	11/05/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1527734-01	MW-1D	WATER	112 W. 25TH ST, NY, NY	10/28/15 08:15	10/28/15
L1527734-02	MW-2	WATER	112 W. 25TH ST, NY, NY	10/28/15 08:45	10/28/15
L1527734-03	MW-5	WATER	112 W. 25TH ST, NY, NY	10/28/15 10:05	10/28/15
L1527734-04	MW-4	WATER	112 W. 25TH ST, NY, NY	10/28/15 10:45	10/28/15
L1527734-05	MW-3	WATER	112 W. 25TH ST, NY, NY	10/28/15 11:40	10/28/15
L1527734-06	DUP	WATER	112 W. 25TH ST, NY, NY	10/28/15 11:50	10/28/15
L1527734-07	FB	WATER	112 W. 25TH ST, NY, NY	10/28/15 07:45	10/28/15
L1527734-08	TB	WATER	112 W. 25TH ST, NY, NY	10/28/15 00:00	10/28/15

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1527734
Report Date: 11/05/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: LAM GEN **Lab Number:** L1527734
Project Number: 343443 **Report Date:** 11/05/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Semivolatile Organics

The WG836280-2 LCS recovery, associated with L1527734-01 through -07, is below the acceptance criteria for benzoic acid (7%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Semivolatile Organics by SIM

L1527734-05 and -06: The sample has elevated detection limits due to the dilution required by the sample matrix.

Metals

L1527734-07: The Field Blank has a concentration above the reporting limit for calcium. The results were confirmed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 11/05/15

ORGANICS

VOLATILES

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-01	Date Collected:	10/28/15 08:15
Client ID:	MW-1D	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	11/01/15 20:20		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.6		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	4.0		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	7.3		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	2.2	J	ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-01 Date Collected: 10/28/15 08:15

Client ID: MW-1D Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	30		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.2		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	0.94	J	ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-01 Date Collected: 10/28/15 08:15

Client ID: MW-1D Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds				
Total TIC Compounds	23	J	ug/l	1
Unknown	2.7	J	ug/l	1
Unknown	1.1	J	ug/l	1
Unknown	1.8	J	ug/l	1
Unknown	16	J	ug/l	1
Unknown Alkane	1.1	J	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-02	Date Collected:	10/28/15 08:45
Client ID:	MW-2	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	11/01/15 20:55		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	1.7	J	ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	5.6		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.21	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	46		ug/l	0.50	0.16	1
Toluene	1.1	J	ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	1.7	J	ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-02 Date Collected: 10/28/15 08:45

Client ID: MW-2 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	30		ug/l	2.5	0.70	1
p/m-Xylene	1.2	J	ug/l	2.5	0.70	1
o-Xylene	1.3	J	ug/l	2.5	0.70	1
Xylenes, Total	2.5	J	ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	13		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	4.8		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-02 Date Collected: 10/28/15 08:45

Client ID: MW-2 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	1.9	J	ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	1.6	J	ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds				
Total TIC Compounds	58	J	ug/l	1
Unknown	4.0	J	ug/l	1
Unknown	4.9	J	ug/l	1
Butane	9.0	NJ	ug/l	1
Butane, 2-Methyl-	9.0	NJ	ug/l	1
Pentane	2.5	NJ	ug/l	1
Unknown	18	J	ug/l	1
Pentane, 2-methyl-	2.8	NJ	ug/l	1
Unknown Alkane	4.2	J	ug/l	1
Unknown Benzene	1.5	J	ug/l	1
Unknown Aromatic	2.0	J	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-03 D
Client ID: MW-5
Sample Location: 112 W. 25TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/01/15 22:40
Analyst: PD

Date Collected: 10/28/15 10:05
Date Received: 10/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	25	7.0	10
1,1-Dichloroethane	ND		ug/l	25	7.0	10
Chloroform	8.4	J	ug/l	25	7.0	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
1,2-Dichloropropane	ND		ug/l	10	1.3	10
Dibromochloromethane	ND		ug/l	5.0	1.5	10
1,1,2-Trichloroethane	ND		ug/l	15	5.0	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	25	7.0	10
Trichlorofluoromethane	ND		ug/l	25	7.0	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
1,1,1-Trichloroethane	ND		ug/l	25	7.0	10
Bromodichloromethane	ND		ug/l	5.0	1.9	10
trans-1,3-Dichloropropene	ND		ug/l	5.0	1.6	10
cis-1,3-Dichloropropene	ND		ug/l	5.0	1.4	10
1,3-Dichloropropene, Total	ND		ug/l	5.0	1.4	10
1,1-Dichloropropene	ND		ug/l	25	7.0	10
Bromoform	ND		ug/l	20	6.5	10
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	1.4	10
Benzene	400		ug/l	5.0	1.6	10
Toluene	820		ug/l	25	7.0	10
Ethylbenzene	440		ug/l	25	7.0	10
Chloromethane	ND		ug/l	25	7.0	10
Bromomethane	ND		ug/l	25	7.0	10
Vinyl chloride	ND		ug/l	10	0.70	10
Chloroethane	ND		ug/l	25	7.0	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
trans-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,2-Dichlorobenzene	ND		ug/l	25	7.0	10

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-03 D Date Collected: 10/28/15 10:05

Client ID: MW-5 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	25	7.0	10
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	1600		ug/l	25	7.0	10
o-Xylene	640		ug/l	25	7.0	10
Xylenes, Total	2200		ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
1,2-Dichloroethene, Total	ND		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	71		ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	16	J	ug/l	25	7.0	10
sec-Butylbenzene	7.0	J	ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	54		ug/l	25	7.0	10
p-Isopropyltoluene	12	J	ug/l	25	7.0	10
Naphthalene	130		ug/l	25	7.0	10
n-Propylbenzene	65		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	200		ug/l	25	7.0	10

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-03 D Date Collected: 10/28/15 10:05

Client ID: MW-5 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	560		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	410	10
p-Diethylbenzene	85		ug/l	20	7.0	10
p-Ethyltoluene	400		ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	27		ug/l	20	6.5	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Tentatively Identified Compounds				
Total TIC Compounds	1600	J	ug/l	10
Butane, 2-Methyl-	140	NJ	ug/l	10
Pentane	100	NJ	ug/l	10
Unknown	140	J	ug/l	10
Pentane, 2-methyl-	140	NJ	ug/l	10
Unknown	150	J	ug/l	10
Cyclopentane, Methyl-	240	NJ	ug/l	10
Unknown	280	J	ug/l	10
Unknown	110	J	ug/l	10
Cyclohexane, methyl-	220	NJ	ug/l	10
Unknown Benzene	58	J	ug/l	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-04 D
Client ID: MW-4
Sample Location: 112 W. 25TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/01/15 23:15
Analyst: PD

Date Collected: 10/28/15 10:45
Date Received: 10/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	120	35.	50
1,1-Dichloroethane	ND		ug/l	120	35.	50
Chloroform	ND		ug/l	120	35.	50
Carbon tetrachloride	ND		ug/l	25	6.7	50
1,2-Dichloropropane	ND		ug/l	50	6.6	50
Dibromochloromethane	ND		ug/l	25	7.4	50
1,1,2-Trichloroethane	ND		ug/l	75	25.	50
Tetrachloroethene	ND		ug/l	25	9.0	50
Chlorobenzene	ND		ug/l	120	35.	50
Trichlorofluoromethane	ND		ug/l	120	35.	50
1,2-Dichloroethane	ND		ug/l	25	6.6	50
1,1,1-Trichloroethane	ND		ug/l	120	35.	50
Bromodichloromethane	ND		ug/l	25	9.6	50
trans-1,3-Dichloropropene	ND		ug/l	25	8.2	50
cis-1,3-Dichloropropene	ND		ug/l	25	7.2	50
1,3-Dichloropropene, Total	ND		ug/l	25	7.2	50
1,1-Dichloropropene	ND		ug/l	120	35.	50
Bromoform	ND		ug/l	100	32.	50
1,1,2,2-Tetrachloroethane	ND		ug/l	25	7.2	50
Benzene	2700		ug/l	25	8.0	50
Toluene	100	J	ug/l	120	35.	50
Ethylbenzene	520		ug/l	120	35.	50
Chloromethane	ND		ug/l	120	35.	50
Bromomethane	ND		ug/l	120	35.	50
Vinyl chloride	ND		ug/l	50	3.5	50
Chloroethane	ND		ug/l	120	35.	50
1,1-Dichloroethene	ND		ug/l	25	7.1	50
trans-1,2-Dichloroethene	ND		ug/l	120	35.	50
Trichloroethene	ND		ug/l	25	8.8	50
1,2-Dichlorobenzene	ND		ug/l	120	35.	50

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-04 D Date Collected: 10/28/15 10:45

Client ID: MW-4 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	120	35.	50
1,4-Dichlorobenzene	ND		ug/l	120	35.	50
Methyl tert butyl ether	ND		ug/l	120	35.	50
p/m-Xylene	600		ug/l	120	35.	50
o-Xylene	53	J	ug/l	120	35.	50
Xylenes, Total	650	J	ug/l	120	35.	50
cis-1,2-Dichloroethene	ND		ug/l	120	35.	50
1,2-Dichloroethene, Total	ND		ug/l	120	35.	50
Dibromomethane	ND		ug/l	250	50.	50
1,2,3-Trichloropropane	ND		ug/l	120	35.	50
Acrylonitrile	ND		ug/l	250	75.	50
Styrene	ND		ug/l	120	35.	50
Dichlorodifluoromethane	ND		ug/l	250	50.	50
Acetone	300		ug/l	250	73.	50
Carbon disulfide	ND		ug/l	250	50.	50
2-Butanone	ND		ug/l	250	97.	50
Vinyl acetate	ND		ug/l	250	50.	50
4-Methyl-2-pentanone	ND		ug/l	250	50.	50
2-Hexanone	ND		ug/l	250	50.	50
Bromochloromethane	ND		ug/l	120	35.	50
2,2-Dichloropropane	ND		ug/l	120	35.	50
1,2-Dibromoethane	ND		ug/l	100	32.	50
1,3-Dichloropropane	ND		ug/l	120	35.	50
1,1,1,2-Tetrachloroethane	ND		ug/l	120	35.	50
Bromobenzene	ND		ug/l	120	35.	50
n-Butylbenzene	ND		ug/l	120	35.	50
sec-Butylbenzene	ND		ug/l	120	35.	50
tert-Butylbenzene	ND		ug/l	120	35.	50
o-Chlorotoluene	ND		ug/l	120	35.	50
p-Chlorotoluene	ND		ug/l	120	35.	50
1,2-Dibromo-3-chloropropane	ND		ug/l	120	35.	50
Hexachlorobutadiene	ND		ug/l	120	35.	50
Isopropylbenzene	51	J	ug/l	120	35.	50
p-Isopropyltoluene	ND		ug/l	120	35.	50
Naphthalene	170		ug/l	120	35.	50
n-Propylbenzene	62	J	ug/l	120	35.	50
1,2,3-Trichlorobenzene	ND		ug/l	120	35.	50
1,2,4-Trichlorobenzene	ND		ug/l	120	35.	50
1,3,5-Trimethylbenzene	100	J	ug/l	120	35.	50

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-04 D Date Collected: 10/28/15 10:45

Client ID: MW-4 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	260		ug/l	120	35.	50
1,4-Dioxane	ND		ug/l	12000	2000	50
p-Diethylbenzene	42	J	ug/l	100	35.	50
p-Ethyltoluene	94	J	ug/l	100	35.	50
1,2,4,5-Tetramethylbenzene	ND		ug/l	100	32.	50
Ethyl ether	ND		ug/l	120	35.	50
trans-1,4-Dichloro-2-butene	ND		ug/l	120	35.	50

Tentatively Identified Compounds				
Total TIC Compounds	2200	J	ug/l	50
Unknown	140	J	ug/l	50
Butane, 2-Methyl-	160	NJ	ug/l	50
Pentane	110	NJ	ug/l	50
Unknown	310	J	ug/l	50
Unknown	190	J	ug/l	50
Cyclopentane, Methyl-	330	NJ	ug/l	50
Unknown	390	J	ug/l	50
Unknown	130	J	ug/l	50
Cyclohexane, methyl-	280	NJ	ug/l	50
Unknown Aromatic	140	J	ug/l	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-05 D
Client ID: MW-3
Sample Location: 112 W. 25TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/01/15 23:50
Analyst: PD

Date Collected: 10/28/15 11:40
Date Received: 10/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	250	70.	100
1,1-Dichloroethane	ND		ug/l	250	70.	100
Chloroform	ND		ug/l	250	70.	100
Carbon tetrachloride	ND		ug/l	50	13.	100
1,2-Dichloropropane	ND		ug/l	100	13.	100
Dibromochloromethane	ND		ug/l	50	15.	100
1,1,2-Trichloroethane	ND		ug/l	150	50.	100
Tetrachloroethene	ND		ug/l	50	18.	100
Chlorobenzene	ND		ug/l	250	70.	100
Trichlorofluoromethane	ND		ug/l	250	70.	100
1,2-Dichloroethane	ND		ug/l	50	13.	100
1,1,1-Trichloroethane	ND		ug/l	250	70.	100
Bromodichloromethane	ND		ug/l	50	19.	100
trans-1,3-Dichloropropene	ND		ug/l	50	16.	100
cis-1,3-Dichloropropene	ND		ug/l	50	14.	100
1,3-Dichloropropene, Total	ND		ug/l	50	14.	100
1,1-Dichloropropene	ND		ug/l	250	70.	100
Bromoform	ND		ug/l	200	65.	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	14.	100
Benzene	3000		ug/l	50	16.	100
Toluene	2100		ug/l	250	70.	100
Ethylbenzene	550		ug/l	250	70.	100
Chloromethane	ND		ug/l	250	70.	100
Bromomethane	ND		ug/l	250	70.	100
Vinyl chloride	ND		ug/l	100	7.0	100
Chloroethane	ND		ug/l	250	70.	100
1,1-Dichloroethene	ND		ug/l	50	14.	100
trans-1,2-Dichloroethene	ND		ug/l	250	70.	100
Trichloroethene	ND		ug/l	50	18.	100
1,2-Dichlorobenzene	ND		ug/l	250	70.	100

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-05 D Date Collected: 10/28/15 11:40

Client ID: MW-3 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	250	70.	100
1,4-Dichlorobenzene	ND		ug/l	250	70.	100
Methyl tert butyl ether	ND		ug/l	250	70.	100
p/m-Xylene	1800		ug/l	250	70.	100
o-Xylene	730		ug/l	250	70.	100
Xylenes, Total	2500		ug/l	250	70.	100
cis-1,2-Dichloroethene	ND		ug/l	250	70.	100
1,2-Dichloroethene, Total	ND		ug/l	250	70.	100
Dibromomethane	ND		ug/l	500	100	100
1,2,3-Trichloropropane	ND		ug/l	250	70.	100
Acrylonitrile	ND		ug/l	500	150	100
Styrene	ND		ug/l	250	70.	100
Dichlorodifluoromethane	ND		ug/l	500	100	100
Acetone	650		ug/l	500	150	100
Carbon disulfide	ND		ug/l	500	100	100
2-Butanone	ND		ug/l	500	190	100
Vinyl acetate	ND		ug/l	500	100	100
4-Methyl-2-pentanone	ND		ug/l	500	100	100
2-Hexanone	ND		ug/l	500	100	100
Bromochloromethane	ND		ug/l	250	70.	100
2,2-Dichloropropane	ND		ug/l	250	70.	100
1,2-Dibromoethane	ND		ug/l	200	65.	100
1,3-Dichloropropane	ND		ug/l	250	70.	100
1,1,1,2-Tetrachloroethane	ND		ug/l	250	70.	100
Bromobenzene	ND		ug/l	250	70.	100
n-Butylbenzene	ND		ug/l	250	70.	100
sec-Butylbenzene	ND		ug/l	250	70.	100
tert-Butylbenzene	ND		ug/l	250	70.	100
o-Chlorotoluene	ND		ug/l	250	70.	100
p-Chlorotoluene	ND		ug/l	250	70.	100
1,2-Dibromo-3-chloropropane	ND		ug/l	250	70.	100
Hexachlorobutadiene	ND		ug/l	250	70.	100
Isopropylbenzene	ND		ug/l	250	70.	100
p-Isopropyltoluene	ND		ug/l	250	70.	100
Naphthalene	180	J	ug/l	250	70.	100
n-Propylbenzene	89	J	ug/l	250	70.	100
1,2,3-Trichlorobenzene	ND		ug/l	250	70.	100
1,2,4-Trichlorobenzene	ND		ug/l	250	70.	100
1,3,5-Trimethylbenzene	110	J	ug/l	250	70.	100

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-05 D Date Collected: 10/28/15 11:40

Client ID: MW-3 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	640		ug/l	250	70.	100
1,4-Dioxane	ND		ug/l	25000	4100	100
p-Diethylbenzene	ND		ug/l	200	70.	100
p-Ethyltoluene	270		ug/l	200	70.	100
1,2,4,5-Tetramethylbenzene	ND		ug/l	200	65.	100
Ethyl ether	ND		ug/l	250	70.	100
trans-1,4-Dichloro-2-butene	ND		ug/l	250	70.	100

Tentatively Identified Compounds				
Total TIC Compounds	1500	J	ug/l	100
Unknown	110	J	ug/l	100
Butane, 2-Methyl-	130	NJ	ug/l	100
Unknown	210	J	ug/l	100
Unknown	130	J	ug/l	100
Cyclopentane, Methyl-	200	NJ	ug/l	100
Cyclohexane	190	NJ	ug/l	100
Cyclohexane, methyl-	120	NJ	ug/l	100
Unknown Benzene	130	J	ug/l	100
Indane	280	NJ	ug/l	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-06 D
Client ID: DUP
Sample Location: 112 W. 25TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/02/15 00:25
Analyst: PD

Date Collected: 10/28/15 11:50
Date Received: 10/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	250	70.	100
1,1-Dichloroethane	ND		ug/l	250	70.	100
Chloroform	ND		ug/l	250	70.	100
Carbon tetrachloride	ND		ug/l	50	13.	100
1,2-Dichloropropane	ND		ug/l	100	13.	100
Dibromochloromethane	ND		ug/l	50	15.	100
1,1,2-Trichloroethane	ND		ug/l	150	50.	100
Tetrachloroethene	ND		ug/l	50	18.	100
Chlorobenzene	ND		ug/l	250	70.	100
Trichlorofluoromethane	ND		ug/l	250	70.	100
1,2-Dichloroethane	ND		ug/l	50	13.	100
1,1,1-Trichloroethane	ND		ug/l	250	70.	100
Bromodichloromethane	ND		ug/l	50	19.	100
trans-1,3-Dichloropropene	ND		ug/l	50	16.	100
cis-1,3-Dichloropropene	ND		ug/l	50	14.	100
1,3-Dichloropropene, Total	ND		ug/l	50	14.	100
1,1-Dichloropropene	ND		ug/l	250	70.	100
Bromoform	ND		ug/l	200	65.	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	14.	100
Benzene	2900		ug/l	50	16.	100
Toluene	2100		ug/l	250	70.	100
Ethylbenzene	550		ug/l	250	70.	100
Chloromethane	ND		ug/l	250	70.	100
Bromomethane	ND		ug/l	250	70.	100
Vinyl chloride	ND		ug/l	100	7.0	100
Chloroethane	ND		ug/l	250	70.	100
1,1-Dichloroethene	ND		ug/l	50	14.	100
trans-1,2-Dichloroethene	ND		ug/l	250	70.	100
Trichloroethene	ND		ug/l	50	18.	100
1,2-Dichlorobenzene	ND		ug/l	250	70.	100

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-06 D Date Collected: 10/28/15 11:50

Client ID: DUP Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	250	70.	100
1,4-Dichlorobenzene	ND		ug/l	250	70.	100
Methyl tert butyl ether	ND		ug/l	250	70.	100
p/m-Xylene	1800		ug/l	250	70.	100
o-Xylene	730		ug/l	250	70.	100
Xylenes, Total	2500		ug/l	250	70.	100
cis-1,2-Dichloroethene	ND		ug/l	250	70.	100
1,2-Dichloroethene, Total	ND		ug/l	250	70.	100
Dibromomethane	ND		ug/l	500	100	100
1,2,3-Trichloropropane	ND		ug/l	250	70.	100
Acrylonitrile	ND		ug/l	500	150	100
Styrene	ND		ug/l	250	70.	100
Dichlorodifluoromethane	ND		ug/l	500	100	100
Acetone	650		ug/l	500	150	100
Carbon disulfide	ND		ug/l	500	100	100
2-Butanone	660		ug/l	500	190	100
Vinyl acetate	ND		ug/l	500	100	100
4-Methyl-2-pentanone	ND		ug/l	500	100	100
2-Hexanone	ND		ug/l	500	100	100
Bromochloromethane	ND		ug/l	250	70.	100
2,2-Dichloropropane	ND		ug/l	250	70.	100
1,2-Dibromoethane	ND		ug/l	200	65.	100
1,3-Dichloropropane	ND		ug/l	250	70.	100
1,1,1,2-Tetrachloroethane	ND		ug/l	250	70.	100
Bromobenzene	ND		ug/l	250	70.	100
n-Butylbenzene	ND		ug/l	250	70.	100
sec-Butylbenzene	ND		ug/l	250	70.	100
tert-Butylbenzene	ND		ug/l	250	70.	100
o-Chlorotoluene	ND		ug/l	250	70.	100
p-Chlorotoluene	ND		ug/l	250	70.	100
1,2-Dibromo-3-chloropropane	ND		ug/l	250	70.	100
Hexachlorobutadiene	ND		ug/l	250	70.	100
Isopropylbenzene	ND		ug/l	250	70.	100
p-Isopropyltoluene	ND		ug/l	250	70.	100
Naphthalene	170	J	ug/l	250	70.	100
n-Propylbenzene	88	J	ug/l	250	70.	100
1,2,3-Trichlorobenzene	ND		ug/l	250	70.	100
1,2,4-Trichlorobenzene	ND		ug/l	250	70.	100
1,3,5-Trimethylbenzene	100	J	ug/l	250	70.	100

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-06 D Date Collected: 10/28/15 11:50

Client ID: DUP Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	620		ug/l	250	70.	100
1,4-Dioxane	ND		ug/l	25000	4100	100
p-Diethylbenzene	ND		ug/l	200	70.	100
p-Ethyltoluene	260		ug/l	200	70.	100
1,2,4,5-Tetramethylbenzene	ND		ug/l	200	65.	100
Ethyl ether	ND		ug/l	250	70.	100
trans-1,4-Dichloro-2-butene	ND		ug/l	250	70.	100

Tentatively Identified Compounds				
Total TIC Compounds	1300	J	ug/l	100
Butane, 2-Methyl-	130	NJ	ug/l	100
Unknown	210	J	ug/l	100
Unknown	130	J	ug/l	100
Unknown	190	J	ug/l	100
Cyclohexene	100	NJ	ug/l	100
Cyclohexane, methyl-	120	NJ	ug/l	100
Unknown Benzene	130	J	ug/l	100
Unknown	280	J	ug/l	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-07	Date Collected:	10/28/15 07:45
Client ID:	FB	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	11/01/15 21:30		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-07 Date Collected: 10/28/15 07:45

Client ID: FB Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-07 Date Collected: 10/28/15 07:45

Client ID: FB Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-08	Date Collected:	10/28/15 00:00
Client ID:	TB	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	11/01/15 22:05		
Analyst:	PD		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-08 Date Collected: 10/28/15 00:00

Client ID: TB Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-08 Date Collected: 10/28/15 00:00

Client ID: TB Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Tentatively Identified Compounds			
No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/01/15 14:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG836463-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/01/15 14:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG836463-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/01/15 14:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG836463-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/01/15 14:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG836463-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG836463-1 WG836463-2								
Methylene chloride	98		94		70-130	4		20
1,1-Dichloroethane	98		94		70-130	4		20
Chloroform	97		94		70-130	3		20
Carbon tetrachloride	95		92		63-132	3		20
1,2-Dichloropropane	101		96		70-130	5		20
Dibromochloromethane	97		91		63-130	6		20
1,1,2-Trichloroethane	103		96		70-130	7		20
Tetrachloroethene	87		83		70-130	5		20
Chlorobenzene	94		90		75-130	4		20
Trichlorofluoromethane	82		79		62-150	4		20
1,2-Dichloroethane	101		96		70-130	5		20
1,1,1-Trichloroethane	99		95		67-130	4		20
Bromodichloromethane	99		94		67-130	5		20
trans-1,3-Dichloropropene	84		79		70-130	6		20
cis-1,3-Dichloropropene	91		87		70-130	4		20
1,1-Dichloropropene	92		87		70-130	6		20
Bromoform	102		94		54-136	8		20
1,1,2,2-Tetrachloroethane	107		100		67-130	7		20
Benzene	99		93		70-130	6		20
Toluene	94		90		70-130	4		20
Ethylbenzene	96		92		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG836463-1 WG836463-2								
Chloromethane	76		73		64-130	4		20
Bromomethane	50		50		39-139	0		20
Vinyl chloride	84		82		55-140	2		20
Chloroethane	96		94		55-138	2		20
1,1-Dichloroethene	88		85		61-145	3		20
trans-1,2-Dichloroethene	95		91		70-130	4		20
Trichloroethene	93		87		70-130	7		20
1,2-Dichlorobenzene	96		90		70-130	6		20
1,3-Dichlorobenzene	94		88		70-130	7		20
1,4-Dichlorobenzene	94		89		70-130	5		20
Methyl tert butyl ether	124		120		63-130	3		20
p/m-Xylene	94		91		70-130	3		20
o-Xylene	94		90		70-130	4		20
cis-1,2-Dichloroethene	97		93		70-130	4		20
Dibromomethane	101		95		70-130	6		20
1,2,3-Trichloropropane	106		100		64-130	6		20
Acrylonitrile	111		106		70-130	5		20
Styrene	98		94		70-130	4		20
Dichlorodifluoromethane	64		62		36-147	3		20
Acetone	126		104		58-148	19		20
Carbon disulfide	87		85		51-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG836463-1 WG836463-2								
2-Butanone	119		108		63-138	10		20
Vinyl acetate	92		88		70-130	4		20
4-Methyl-2-pentanone	**138**	Q	**137**	Q	59-130	1		20
2-Hexanone	91		86		57-130	6		20
Bromochloromethane	101		97		70-130	4		20
2,2-Dichloropropane	**134**	Q	131		63-133	2		20
1,2-Dibromoethane	99		95		70-130	4		20
1,3-Dichloropropane	102		97		70-130	5		20
1,1,1,2-Tetrachloroethane	99		93		64-130	6		20
Bromobenzene	95		89		70-130	7		20
n-Butylbenzene	94		88		53-136	7		20
sec-Butylbenzene	94		89		70-130	5		20
tert-Butylbenzene	92		87		70-130	6		20
o-Chlorotoluene	95		88		70-130	8		20
p-Chlorotoluene	98		92		70-130	6		20
1,2-Dibromo-3-chloropropane	110		109		41-144	1		20
Hexachlorobutadiene	84		80		63-130	5		20
Isopropylbenzene	96		90		70-130	6		20
p-Isopropyltoluene	92		87		70-130	6		20
Naphthalene	105		98		70-130	7		20
n-Propylbenzene	98		92		69-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG836463-1 WG836463-2								
1,2,3-Trichlorobenzene	98		92		70-130	6		20
1,2,4-Trichlorobenzene	97		90		70-130	7		20
1,3,5-Trimethylbenzene	93		88		64-130	6		20
1,2,4-Trimethylbenzene	95		89		70-130	7		20
1,4-Dioxane	126		134		56-162	6		20
p-Diethylbenzene	93		87		70-130	7		20
p-Ethyltoluene	97		91		70-130	6		20
1,2,4,5-Tetramethylbenzene	95		89		70-130	7		20
Ethyl ether	106		100		59-134	6		20
trans-1,4-Dichloro-2-butene	98		92		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		108		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	101		102		70-130

SEMIVOLATILES

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-01	Date Collected:	10/28/15 08:15
Client ID:	MW-1D	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	11/01/15 01:28
Analytical Date:	11/02/15 22:57		
Analyst:	MY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-01 Date Collected: 10/28/15 08:15

Client ID: MW-1D Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Tentatively Identified Compounds				
Unknown	4.9	J	ug/l	1
Unknown	6.0	J	ug/l	1
Unknown	4.8	J	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	15		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	75		41-149

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1527734
Report Date: 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-01
Client ID: MW-1D
Sample Location: 112 W. 25TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/04/15 10:53
Analyst: AS

Date Collected: 10/28/15 08:15
Date Received: 10/28/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/03/15 21:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.17	J	ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.09	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	0.07	J	ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	0.08	J	ug/l	0.20	0.04	1
Phenanthrene	0.02	J	ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	0.10	J	ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-01 Date Collected: 10/28/15 08:15

Client ID: MW-1D Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	82		41-149

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-02	Date Collected:	10/28/15 08:45
Client ID:	MW-2	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	11/01/15 01:28
Analytical Date:	11/02/15 23:24		
Analyst:	MY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-02 Date Collected: 10/28/15 08:45

Client ID: MW-2 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Tentatively Identified Compounds

Unknown	8.4	J	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	24		21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	73		41-149

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1527734
Report Date: 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-02
Client ID: MW-2
Sample Location: 112 W. 25TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/04/15 11:18
Analyst: AS

Date Collected: 10/28/15 08:45
Date Received: 10/28/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/03/15 21:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.18	J	ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.07	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.30		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	0.07	J	ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	0.12	J	ug/l	0.20	0.04	1
Phenanthrene	0.17	J	ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	0.06	J	ug/l	0.20	0.04	1
2-Methylnaphthalene	0.05	J	ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-02 Date Collected: 10/28/15 08:45

Client ID: MW-2 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	66		41-149

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-03	Date Collected:	10/28/15 10:05
Client ID:	MW-5	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	11/01/15 01:28
Analytical Date:	11/04/15 01:29		
Analyst:	MY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-03 Date Collected: 10/28/15 10:05

Client ID: MW-5 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	2.3	J	ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	2.3	J	ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-03 Date Collected: 10/28/15 10:05

Client ID: MW-5 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown	210	J	ug/l			1
Unknown	170	J	ug/l			1
Unknown	600	J	ug/l			1
Unknown	270	J	ug/l			1
Unknown Benzene	150	J	ug/l			1
Unknown Benzene	88	J	ug/l			1
Unknown Benzene	120	J	ug/l			1
Unknown Benzene	280	J	ug/l			1
Unknown Benzene	130	J	ug/l			1
Unknown	81	J	ug/l			1
Unknown Benzene	59	J	ug/l			1
Unknown Benzene	37	J	ug/l			1
Unknown Benzene	85	J	ug/l			1
Unknown	50	J	ug/l			1
Unknown	72	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	62		41-149

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-03 D	Date Collected:	10/28/15 10:05
Client ID:	MW-5	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	11/03/15 21:17
Analytical Date:	11/04/15 11:37		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	1.0	0.18	5
2-Chloronaphthalene	ND		ug/l	1.0	0.18	5
Fluoranthene	ND		ug/l	1.0	0.19	5
Hexachlorobutadiene	ND		ug/l	2.5	0.18	5
Naphthalene	76		ug/l	1.0	0.22	5
Benzo(a)anthracene	ND		ug/l	1.0	0.08	5
Benzo(a)pyrene	ND		ug/l	1.0	0.20	5
Benzo(b)fluoranthene	ND		ug/l	1.0	0.08	5
Benzo(k)fluoranthene	ND		ug/l	1.0	0.21	5
Chrysene	ND		ug/l	1.0	0.19	5
Acenaphthylene	ND		ug/l	1.0	0.18	5
Anthracene	ND		ug/l	1.0	0.18	5
Benzo(ghi)perylene	ND		ug/l	1.0	0.21	5
Fluorene	ND		ug/l	1.0	0.18	5
Phenanthrene	0.18	J	ug/l	1.0	0.08	5
Dibenzo(a,h)anthracene	ND		ug/l	1.0	0.20	5
Indeno(1,2,3-cd)Pyrene	ND		ug/l	1.0	0.20	5
Pyrene	ND		ug/l	1.0	0.20	5
2-Methylnaphthalene	26		ug/l	1.0	0.22	5
Pentachlorophenol	ND		ug/l	4.0	1.1	5
Hexachlorobenzene	ND		ug/l	4.0	0.16	5
Hexachloroethane	ND		ug/l	4.0	0.15	5

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-03 D Date Collected: 10/28/15 10:05

Client ID: MW-5 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	87		41-149

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-04	Date Collected:	10/28/15 10:45
Client ID:	MW-4	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	11/01/15 01:28
Analytical Date:	11/02/15 23:51		
Analyst:	MY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-04 Date Collected: 10/28/15 10:45

Client ID: MW-4 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	11		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-04 Date Collected: 10/28/15 10:45

Client ID: MW-4 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown	38	J	ug/l			1
Unknown	150	J	ug/l			1
Unknown	260	J	ug/l			1
Unknown	29	J	ug/l			1
Unknown Benzene	24	J	ug/l			1
Unknown	27	J	ug/l			1
Unknown Benzene	39	J	ug/l			1
Unknown Benzene	48	J	ug/l			1
Unknown Benzene	29	J	ug/l			1
Unknown Benzene	130	J	ug/l			1
Unknown Benzene	83	J	ug/l			1
Unknown	90	J	ug/l			1
Unknown Benzene	40	J	ug/l			1
Unknown Benzene	15	J	ug/l			1
Unknown	17	J	ug/l			1
Unknown Benzene	31	J	ug/l			1
Unknown	47	J	ug/l			1
Unknown	17	J	ug/l			1
Unknown	14	J	ug/l			1
Unknown	15	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	67		41-149

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-04 D	Date Collected:	10/28/15 10:45
Client ID:	MW-4	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	11/03/15 21:17
Analytical Date:	11/04/15 09:39		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	1.0	0.18	5
2-Chloronaphthalene	ND		ug/l	1.0	0.18	5
Fluoranthene	ND		ug/l	1.0	0.19	5
Hexachlorobutadiene	ND		ug/l	2.5	0.18	5
Naphthalene	60		ug/l	1.0	0.22	5
Benzo(a)anthracene	ND		ug/l	1.0	0.08	5
Benzo(a)pyrene	ND		ug/l	1.0	0.20	5
Benzo(b)fluoranthene	ND		ug/l	1.0	0.08	5
Benzo(k)fluoranthene	ND		ug/l	1.0	0.21	5
Chrysene	ND		ug/l	1.0	0.19	5
Acenaphthylene	ND		ug/l	1.0	0.18	5
Anthracene	ND		ug/l	1.0	0.18	5
Benzo(ghi)perylene	ND		ug/l	1.0	0.21	5
Fluorene	ND		ug/l	1.0	0.18	5
Phenanthrene	ND		ug/l	1.0	0.08	5
Dibenzo(a,h)anthracene	ND		ug/l	1.0	0.20	5
Indeno(1,2,3-cd)Pyrene	ND		ug/l	1.0	0.20	5
Pyrene	ND		ug/l	1.0	0.20	5
2-Methylnaphthalene	15		ug/l	1.0	0.22	5
Pentachlorophenol	ND		ug/l	4.0	1.1	5
Hexachlorobenzene	ND		ug/l	4.0	0.16	5
Hexachloroethane	ND		ug/l	4.0	0.15	5

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-04 D Date Collected: 10/28/15 10:45

Client ID: MW-4 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	94		41-149

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-05	Date Collected:	10/28/15 11:40
Client ID:	MW-3	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	11/01/15 01:28
Analytical Date:	11/03/15 00:18		
Analyst:	MY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-05 Date Collected: 10/28/15 11:40

Client ID: MW-3 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	26		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	26		ug/l	5.0	0.27	1
2-Methylphenol	32		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	30		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-05 Date Collected: 10/28/15 11:40

Client ID: MW-3 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown	760	J	ug/l			1
Unknown	240	J	ug/l			1
Unknown	1000	J	ug/l			1
Unknown	460	J	ug/l			1
Unknown Benzene	150	J	ug/l			1
Unknown Benzene	430	J	ug/l			1
Unknown Benzene	120	J	ug/l			1
Unknown	210	J	ug/l			1
Unknown	83	J	ug/l			1
Unknown	28	J	ug/l			1
Unknown Organic Acid	12	J	ug/l			1
Unknown Organic Acid	36	J	ug/l			1
Unknown	37	J	ug/l			1
Unknown	24	J	ug/l			1
Unknown	15	J	ug/l			1
Unknown	19	J	ug/l			1
Unknown	13	J	ug/l			1
Unknown	14	J	ug/l			1
Unknown Organic Acid	7.7	J	ug/l			1
Unknown	4.6	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	78		41-149

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-05 D	Date Collected:	10/28/15 11:40
Client ID:	MW-3	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	11/03/15 21:17
Analytical Date:	11/04/15 10:09		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.35	10
2-Chloronaphthalene	ND		ug/l	2.0	0.35	10
Fluoranthene	ND		ug/l	2.0	0.38	10
Hexachlorobutadiene	ND		ug/l	5.0	0.36	10
Naphthalene	85		ug/l	2.0	0.43	10
Benzo(a)anthracene	ND		ug/l	2.0	0.16	10
Benzo(a)pyrene	ND		ug/l	2.0	0.39	10
Benzo(b)fluoranthene	ND		ug/l	2.0	0.16	10
Benzo(k)fluoranthene	ND		ug/l	2.0	0.42	10
Chrysene	ND		ug/l	2.0	0.38	10
Acenaphthylene	ND		ug/l	2.0	0.35	10
Anthracene	ND		ug/l	2.0	0.35	10
Benzo(ghi)perylene	ND		ug/l	2.0	0.42	10
Fluorene	ND		ug/l	2.0	0.37	10
Phenanthrene	ND		ug/l	2.0	0.15	10
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.39	10
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.40	10
Pyrene	ND		ug/l	2.0	0.40	10
2-Methylnaphthalene	13		ug/l	2.0	0.45	10
Pentachlorophenol	ND		ug/l	8.0	2.2	10
Hexachlorobenzene	ND		ug/l	8.0	0.32	10
Hexachloroethane	ND		ug/l	8.0	0.30	10

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-05 D Date Collected: 10/28/15 11:40

Client ID: MW-3 Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	64		41-149

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-06	Date Collected:	10/28/15 11:50
Client ID:	DUP	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	11/01/15 01:28
Analytical Date:	11/03/15 00:44		
Analyst:	MY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-06 Date Collected: 10/28/15 11:50

Client ID: DUP Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	23		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	23		ug/l	5.0	0.27	1
2-Methylphenol	27		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	25		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-06 Date Collected: 10/28/15 11:50

Client ID: DUP Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Unknown	510	J	ug/l			1
Unknown	210	J	ug/l			1
Unknown	820	J	ug/l			1
Unknown	350	J	ug/l			1
Unknown Benzene	120	J	ug/l			1
Unknown Benzene	390	J	ug/l			1
Unknown	200	J	ug/l			1
Unknown	69	J	ug/l			1
Unknown	12	J	ug/l			1
Unknown	28	J	ug/l			1
Unknown Organic Acid	12	J	ug/l			1
Unknown Organic Acid	39	J	ug/l			1
Unknown	34	J	ug/l			1
Unknown	22	J	ug/l			1
Unknown	16	J	ug/l			1
Unknown	19	J	ug/l			1
Unknown	13	J	ug/l			1
Unknown	6.2	J	ug/l			1
Unknown Organic Acid	4.5	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	73		41-149

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-06 D	Date Collected:	10/28/15 11:50
Client ID:	DUP	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	11/03/15 21:17
Analytical Date:	11/04/15 10:38		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.35	10
2-Chloronaphthalene	ND		ug/l	2.0	0.35	10
Fluoranthene	ND		ug/l	2.0	0.38	10
Hexachlorobutadiene	ND		ug/l	5.0	0.36	10
Naphthalene	80		ug/l	2.0	0.43	10
Benzo(a)anthracene	ND		ug/l	2.0	0.16	10
Benzo(a)pyrene	ND		ug/l	2.0	0.39	10
Benzo(b)fluoranthene	ND		ug/l	2.0	0.16	10
Benzo(k)fluoranthene	ND		ug/l	2.0	0.42	10
Chrysene	ND		ug/l	2.0	0.38	10
Acenaphthylene	ND		ug/l	2.0	0.35	10
Anthracene	ND		ug/l	2.0	0.35	10
Benzo(ghi)perylene	ND		ug/l	2.0	0.42	10
Fluorene	ND		ug/l	2.0	0.37	10
Phenanthrene	ND		ug/l	2.0	0.15	10
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.39	10
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.40	10
Pyrene	ND		ug/l	2.0	0.40	10
2-Methylnaphthalene	12		ug/l	2.0	0.45	10
Pentachlorophenol	ND		ug/l	8.0	2.2	10
Hexachlorobenzene	ND		ug/l	8.0	0.32	10
Hexachloroethane	ND		ug/l	8.0	0.30	10

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-06 D Date Collected: 10/28/15 11:50

Client ID: DUP Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	71		41-149

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-07	Date Collected:	10/28/15 07:45
Client ID:	FB	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	11/01/15 01:28
Analytical Date:	11/04/15 01:55		
Analyst:	MY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-07 Date Collected: 10/28/15 07:45

Client ID: FB Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	63		41-149

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1527734
Report Date: 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-07
Client ID: FB
Sample Location: 112 W. 25TH ST, NY, NY
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/04/15 11:07
Analyst: AS

Date Collected: 10/28/15 07:45
Date Received: 10/28/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/03/15 21:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-07 Date Collected: 10/28/15 07:45

Client ID: FB Date Received: 10/28/15

Sample Location: 112 W. 25TH ST, NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	22		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	71		41-149

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/02/15 20:17
Analyst: MY

Extraction Method: EPA 3510C
Extraction Date: 11/01/15 01:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG836280-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/02/15 20:17
Analyst: MY

Extraction Method: EPA 3510C
Extraction Date: 11/01/15 01:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG836280-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/02/15 20:17
Analyst: MY

Extraction Method: EPA 3510C
Extraction Date: 11/01/15 01:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG836280-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	81		41-149

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/04/15 08:49
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 11/03/15 21:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07 Batch: WG837071-1					
Acenaphthene	ND		ug/l	0.20	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	0.06	J	ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/04/15 08:49
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 11/03/15 21:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-07 Batch: WG837071-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	69		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG836280-2 WG836280-3								
1,2,4-Trichlorobenzene	84		86		39-98	2		30
Bis(2-chloroethyl)ether	85		86		40-140	1		30
1,2-Dichlorobenzene	75		77		40-140	3		30
1,3-Dichlorobenzene	70		71		40-140	1		30
1,4-Dichlorobenzene	72		72		36-97	0		30
3,3'-Dichlorobenzidine	74		99		40-140	29		30
2,4-Dinitrotoluene	**120**	Q	**121**	Q	24-96	1		30
2,6-Dinitrotoluene	116		122		40-140	5		30
4-Chlorophenyl phenyl ether	109		112		40-140	3		30
4-Bromophenyl phenyl ether	124		128		40-140	3		30
Bis(2-chloroisopropyl)ether	71		68		40-140	4		30
Bis(2-chloroethoxy)methane	98		97		40-140	1		30
Hexachlorocyclopentadiene	70		74		40-140	6		30
Isophorone	97		99		40-140	2		30
Nitrobenzene	94		97		40-140	3		30
NitrosoDiPhenylAmine(NDPA)/DPA	106		116		40-140	9		30
n-Nitrosodi-n-propylamine	96		98		29-132	2		30
Bis(2-Ethylhexyl)phthalate	115		116		40-140	1		30
Butyl benzyl phthalate	120		117		40-140	3		30
Di-n-butylphthalate	125		119		40-140	5		30
Di-n-octylphthalate	110		112		40-140	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG836280-2 WG836280-3								
Diethyl phthalate	121		124		40-140	2		30
Dimethyl phthalate	118		120		40-140	2		30
Biphenyl	**109**	Q	**111**	Q	54-104	2		30
4-Chloroaniline	49		60		40-140	20		30
2-Nitroaniline	108		112		52-143	4		30
3-Nitroaniline	74		79		25-145	7		30
4-Nitroaniline	86		99		51-143	14		30
Dibenzofuran	107		106		40-140	1		30
1,2,4,5-Tetrachlorobenzene	104		103		2-134	1		30
Acetophenone	112		112		39-129	0		30
2,4,6-Trichlorophenol	115		122		30-130	6		30
P-Chloro-M-Cresol	**107**	Q	**117**	Q	23-97	9		30
2-Chlorophenol	93		94		27-123	1		30
2,4-Dichlorophenol	114		124		30-130	8		30
2,4-Dimethylphenol	44		118		30-130	**91**	Q	30
2-Nitrophenol	103		102		30-130	1		30
4-Nitrophenol	70		73		10-80	4		30
2,4-Dinitrophenol	74		88		20-130	17		30
4,6-Dinitro-o-cresol	116		121		20-164	4		30
Phenol	46		46		12-110	0		30
2-Methylphenol	78		95		30-130	20		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG836280-2 WG836280-3								
3-Methylphenol/4-Methylphenol	80		88		30-130	10		30
2,4,5-Trichlorophenol	121		130		30-130	7		30
Benzoic Acid	**7**	Q	10		10-110	**38**	Q	30
Benzyl Alcohol	68		72		15-110	6		30
Carbazole	120		120		55-144	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		62		21-120
Phenol-d6	46		49		10-120
Nitrobenzene-d5	95		94		23-120
2-Fluorobiphenyl	114		114		15-120
2,4,6-Tribromophenol	**130**	Q	**132**	Q	10-120
4-Terphenyl-d14	117		116		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07 Batch: WG837071-2 WG837071-3

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Acenaphthene	74		62		37-111	18		40
2-Chloronaphthalene	82		69		40-140	17		40
Fluoranthene	89		75		40-140	17		40
Hexachlorobutadiene	78		66		40-140	17		40
Naphthalene	73		62		40-140	16		40
Benzo(a)anthracene	89		75		40-140	17		40
Benzo(a)pyrene	90		76		40-140	17		40
Benzo(b)fluoranthene	88		73		40-140	19		40
Benzo(k)fluoranthene	86		75		40-140	14		40
Chrysene	82		70		40-140	16		40
Acenaphthylene	86		72		40-140	18		40
Anthracene	83		70		40-140	17		40
Benzo(ghi)perylene	88		75		40-140	16		40
Fluorene	80		67		40-140	18		40
Phenanthrene	81		68		40-140	17		40
Dibenzo(a,h)anthracene	90		76		40-140	17		40
Indeno(1,2,3-cd)Pyrene	89		75		40-140	17		40
Pyrene	88		75		26-127	16		40
2-Methylnaphthalene	81		67		40-140	19		40
Pentachlorophenol	79		62		9-103	24		40
Hexachlorobenzene	92		78		40-140	16		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1527734
Report Date: 11/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-07 Batch: WG837071-2 WG837071-3								
Hexachloroethane	78		67		40-140	15		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		38		21-120
Phenol-d6	32		26		10-120
Nitrobenzene-d5	78		64		23-120
2-Fluorobiphenyl	81		67		15-120
2,4,6-Tribromophenol	102		84		10-120
4-Terphenyl-d14	81		68		41-149

PCBS

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1527734
Report Date: 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-01	Date Collected:	10/28/15 08:15
Client ID:	MW-1D	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/01/15 08:31
Analytical Date:	11/01/15 20:07	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/01/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	58		30-150	A

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1527734
Report Date: 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-02	Date Collected:	10/28/15 08:45
Client ID:	MW-2	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/01/15 08:31
Analytical Date:	11/01/15 20:23	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/01/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	58		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	43		30-150	A

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-03	Date Collected:	10/28/15 10:05
Client ID:	MW-5	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/01/15 08:31
Analytical Date:	11/01/15 20:39	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/01/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	52		30-150	B
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	39		30-150	A

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-04	Date Collected:	10/28/15 10:45
Client ID:	MW-4	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/01/15 08:31
Analytical Date:	11/01/15 20:55	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/01/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	34		30-150	B
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	**26**	Q	30-150	A

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-05	Date Collected:	10/28/15 11:40
Client ID:	MW-3	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/01/15 08:31
Analytical Date:	11/01/15 21:11	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/01/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	51		30-150	B
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	39		30-150	A

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-06	Date Collected:	10/28/15 11:50
Client ID:	DUP	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/01/15 08:31
Analytical Date:	11/01/15 21:26	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/01/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	58		30-150	B
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	44		30-150	A

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-07	Date Collected:	10/28/15 07:45
Client ID:	FB	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	11/01/15 08:31
Analytical Date:	11/01/15 21:42	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	11/01/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	56		30-150	A

Project Name: LAM GEN

Project Number: 343443

Lab Number: L1527734

Report Date: 11/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/01/15 18:48
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 11/01/15 08:31
Cleanup Method: EPA 3665A
Cleanup Date: 11/01/15
Cleanup Method: EPA 3660B
Cleanup Date: 11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG836301-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	51		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG836301-2 WG836301-3									
Aroclor 1016	75		74		40-140	2		50	A
Aroclor 1260	71		72		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		58		30-150	B
Decachlorobiphenyl	86		85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	57		56		30-150	A
Decachlorobiphenyl	62		61		30-150	A

PESTICIDES

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-01	Date Collected:	10/28/15 08:15
Client ID:	MW-1D	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	10/31/15 10:12
Analytical Date:	11/05/15 12:44	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-02	Date Collected:	10/28/15 08:45
Client ID:	MW-2	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	10/31/15 10:12
Analytical Date:	11/01/15 19:33	Cleanup Method:	EPA 3620B
Analyst:	KE	Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	0.012	JPI	ug/l	0.020	0.006	1	A
Chlordane	0.260		ug/l	0.200	0.046	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-03 D	Date Collected:	10/28/15 10:05
Client ID:	MW-5	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	10/31/15 10:12
Analytical Date:	11/05/15 12:57	Cleanup Method:	EPA 3620B
Analyst:	AM	Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.040	0.009	2	A
Lindane	ND		ug/l	0.040	0.009	2	A
Alpha-BHC	ND		ug/l	0.040	0.009	2	A
Beta-BHC	ND		ug/l	0.040	0.011	2	A
Heptachlor	ND		ug/l	0.040	0.006	2	A
Aldrin	ND		ug/l	0.040	0.004	2	A
Heptachlor epoxide	ND		ug/l	0.040	0.008	2	A
Endrin	ND		ug/l	0.080	0.009	2	A
Endrin ketone	ND		ug/l	0.080	0.010	2	A
Dieldrin	ND		ug/l	0.080	0.009	2	A
4,4'-DDE	ND		ug/l	0.080	0.008	2	A
4,4'-DDD	ND		ug/l	0.080	0.009	2	A
4,4'-DDT	ND		ug/l	0.080	0.009	2	A
Endosulfan I	2.38		ug/l	0.040	0.007	2	B
Endosulfan II	ND		ug/l	0.080	0.010	2	A
Endosulfan sulfate	ND		ug/l	0.080	0.010	2	A
Methoxychlor	ND		ug/l	0.400	0.014	2	A
Toxaphene	ND		ug/l	0.400	0.125	2	A
cis-Chlordane	ND		ug/l	0.040	0.013	2	A
trans-Chlordane	ND		ug/l	0.040	0.013	2	A
Chlordane	ND		ug/l	0.400	0.093	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	111		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	108		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-04	Date Collected:	10/28/15 10:45
Client ID:	MW-4	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	10/31/15 10:12
Analytical Date:	11/01/15 19:59	Cleanup Method:	EPA 3620B
Analyst:	KE	Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	1.09		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-05	Date Collected:	10/28/15 11:40
Client ID:	MW-3	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	10/31/15 10:12
Analytical Date:	11/01/15 20:12	Cleanup Method:	EPA 3620B
Analyst:	KE	Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-06	Date Collected:	10/28/15 11:50
Client ID:	DUP	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	10/31/15 10:12
Analytical Date:	11/01/15 20:25	Cleanup Method:	EPA 3620B
Analyst:	KE	Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-07	Date Collected:	10/28/15 07:45
Client ID:	FB	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	10/31/15 10:12
Analytical Date:	11/03/15 20:00	Cleanup Method:	EPA 3620B
Analyst:	AL	Cleanup Date:	11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	0.009	J	ug/l	0.020	0.006	1	B
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/01/15 17:09
Analyst: KE

Extraction Method: EPA 3510C
Extraction Date: 10/31/15 10:12
Cleanup Method: EPA 3620B
Cleanup Date: 11/01/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG836182-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	**158**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	**159**	Q	30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG836182-2 WG836182-3									
Delta-BHC	129		123		30-150	5		20	A
Lindane	123		116		30-150	6		20	A
Alpha-BHC	131		124		30-150	5		20	A
Beta-BHC	104		98		30-150	6		20	A
Heptachlor	107		104		30-150	3		20	A
Aldrin	111		109		30-150	2		20	A
Heptachlor epoxide	120		112		30-150	7		20	A
Endrin	138		135		30-150	2		20	A
Endrin ketone	145		134		30-150	8		20	A
Dieldrin	139		127		30-150	9		20	A
4,4'-DDE	131		124		30-150	5		20	A
4,4'-DDD	139		134		30-150	4		20	A
4,4'-DDT	149		148		30-150	1		20	A
Endosulfan I	129		123		30-150	5		20	A
Endosulfan II	139		133		30-150	4		20	A
Endosulfan sulfate	130		118		30-150	10		20	A
Methoxychlor	**171**	Q	150		30-150	13		20	A
cis-Chlordane	119		115		30-150	3		20	A
trans-Chlordane	125		124		30-150	1		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG836182-2 WG836182-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		106		30-150	A
Decachlorobiphenyl	149		127		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		78		30-150	B
Decachlorobiphenyl	147		128		30-150	B

METALS

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1527734
Report Date: 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-01
Client ID: MW-1D
Sample Location: 112 W. 25TH ST, NY, NY
Matrix: Water

Date Collected: 10/28/15 08:15
Date Received: 10/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.023		mg/l	0.010	0.002	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Antimony, Total	0.0017	J	mg/l	0.0020	0.0001	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Arsenic, Total	0.0071		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Barium, Total	0.0697		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Calcium, Total	227		mg/l	2.00	0.640	20	10/29/15 09:55	10/30/15 17:04	EPA 3005A	1,6020A	TT
Chromium, Total	0.0104		mg/l	0.0060	0.0003	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Cobalt, Total	0.0043		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Copper, Total	0.0035		mg/l	0.0010	0.0003	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Iron, Total	7.88		mg/l	0.050	0.012	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Lead, Total	0.0013		mg/l	0.0010	0.0001	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Magnesium, Total	67.2		mg/l	1.40	0.446	20	10/29/15 09:55	10/30/15 17:04	EPA 3005A	1,6020A	TT
Manganese, Total	0.1964		mg/l	0.0010	0.0003	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/29/15 10:47	10/29/15 20:45	EPA 7470A	1,7470A	EA
Nickel, Total	0.0146		mg/l	0.0040	0.0001	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Potassium, Total	76.8		mg/l	2.00	0.386	20	10/29/15 09:55	10/30/15 17:04	EPA 3005A	1,6020A	TT
Selenium, Total	0.041		mg/l	0.005	0.001	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Silver, Total	0.0001	J	mg/l	0.0004	0.0001	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Sodium, Total	562		mg/l	2.00	0.322	20	10/29/15 09:55	10/30/15 17:04	EPA 3005A	1,6020A	TT
Thallium, Total	0.0012		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Vanadium, Total	0.0008	J	mg/l	0.0050	0.0006	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT
Zinc, Total	0.0086	J	mg/l	0.0100	0.0026	1	10/29/15 09:55	10/30/15 17:01	EPA 3005A	1,6020A	TT

Project Name:	LAM GEN	**Lab Number:**	L1527734
Project Number:	343443	**Report Date:**	11/05/15

SAMPLE RESULTS

Lab ID:	L1527734-02	Date Collected:	10/28/15 08:45
Client ID:	MW-2	Date Received:	10/28/15
Sample Location:	112 W. 25TH ST, NY, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.036		mg/l	0.010	0.002	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Antimony, Total	0.0019	J	mg/l	0.0020	0.0001	1	10/29/15 09:55	11/02/15 17:51	EPA 3005A	1,6020A	TT
Arsenic, Total	0.0062		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Barium, Total	0.0742		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Calcium, Total	257		mg/l	2.00	0.640	20	10/29/15 09:55	10/30/15 17:25	EPA 3005A	1,6020A	TT
Chromium, Total	0.0103		mg/l	0.0060	0.0003	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Cobalt, Total	0.0011		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Copper, Total	0.0023		mg/l	0.0010	0.0003	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Iron, Total	5.12		mg/l	0.050	0.012	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Lead, Total	0.0008	J	mg/l	0.0010	0.0001	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Magnesium, Total	45.0		mg/l	1.40	0.446	20	10/29/15 09:55	10/30/15 17:25	EPA 3005A	1,6020A	TT
Manganese, Total	0.1220		mg/l	0.0010	0.0003	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/29/15 10:47	10/29/15 20:46	EPA 7470A	1,7470A	EA
Nickel, Total	0.0152		mg/l	0.0040	0.0001	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Potassium, Total	66.9		mg/l	2.00	0.386	20	10/29/15 09:55	10/30/15 17:25	EPA 3005A	1,6020A	TT
Selenium, Total	0.042		mg/l	0.005	0.001	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Silver, Total	0.0001	J	mg/l	0.0004	0.0001	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Sodium, Total	516		mg/l	2.00	0.322	20	10/29/15 09:55	10/30/15 17:25	EPA 3005A	1,6020A	TT
Thallium, Total	0.0004	J	mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Vanadium, Total	0.0027	J	mg/l	0.0050	0.0006	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT
Zinc, Total	0.0029	J	mg/l	0.0100	0.0026	1	10/29/15 09:55	10/30/15 17:22	EPA 3005A	1,6020A	TT

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1527734
Report Date: 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-03
Client ID: MW-5
Sample Location: 112 W. 25TH ST, NY, NY
Matrix: Water

Date Collected: 10/28/15 10:05
Date Received: 10/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.481		mg/l	0.200	0.034	20	10/29/15 09:55	10/30/15 17:31	EPA 3005A	1,6020A	TT
Antimony, Total	0.0003	J	mg/l	0.0020	0.0001	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Arsenic, Total	0.0045		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Barium, Total	0.6665		mg/l	0.0100	0.0013	20	10/29/15 09:55	10/30/15 17:31	EPA 3005A	1,6020A	TT
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Calcium, Total	172		mg/l	2.00	0.640	20	10/29/15 09:55	10/30/15 17:31	EPA 3005A	1,6020A	TT
Chromium, Total	0.0136		mg/l	0.0060	0.0003	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Cobalt, Total	0.0009		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Copper, Total	0.0027		mg/l	0.0010	0.0003	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Iron, Total	5.61		mg/l	0.050	0.012	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Lead, Total	0.00790		mg/l	0.0010	0.0001	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Magnesium, Total	41.6		mg/l	0.070	0.022	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Manganese, Total	3.641		mg/l	0.0200	0.0060	20	10/29/15 09:55	10/30/15 17:31	EPA 3005A	1,6020A	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/29/15 10:47	10/29/15 20:48	EPA 7470A	1,7470A	EA
Nickel, Total	0.0099		mg/l	0.0040	0.0001	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Potassium, Total	28.2		mg/l	0.100	0.019	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Selenium, Total	ND		mg/l	0.005	0.001	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Silver, Total	ND		mg/l	0.0004	0.0001	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Sodium, Total	162		mg/l	2.00	0.322	20	10/29/15 09:55	10/30/15 17:31	EPA 3005A	1,6020A	TT
Thallium, Total	ND		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Vanadium, Total	0.0018	J	mg/l	0.0050	0.0006	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT
Zinc, Total	0.0050	J	mg/l	0.0100	0.0026	1	10/29/15 09:55	10/30/15 17:28	EPA 3005A	1,6020A	TT

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1527734
Report Date: 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-04
Client ID: MW-4
Sample Location: 112 W. 25TH ST, NY, NY
Matrix: Water

Date Collected: 10/28/15 10:45
Date Received: 10/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5.67		mg/l	0.200	0.034	20	10/29/15 09:55	10/30/15 17:38	EPA 3005A	1,6020A	TT
Antimony, Total	0.0087		mg/l	0.0020	0.0001	1	10/29/15 09:55	11/02/15 17:48	EPA 3005A	1,6020A	TT
Arsenic, Total	0.0039		mg/l	0.0020	0.0001	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Barium, Total	0.8210		mg/l	0.0100	0.0013	20	10/29/15 09:55	10/30/15 17:38	EPA 3005A	1,6020A	TT
Beryllium, Total	0.0003	J	mg/l	0.0005	0.0002	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Calcium, Total	155		mg/l	2.00	0.640	20	10/29/15 09:55	10/30/15 17:38	EPA 3005A	1,6020A	TT
Chromium, Total	0.0228		mg/l	0.0060	0.0003	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Cobalt, Total	0.0056		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Copper, Total	0.0172		mg/l	0.0010	0.0003	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Iron, Total	16.9		mg/l	0.050	0.012	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Lead, Total	0.0874		mg/l	0.0010	0.0001	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Magnesium, Total	60.0		mg/l	1.40	0.446	20	10/29/15 09:55	10/30/15 17:38	EPA 3005A	1,6020A	TT
Manganese, Total	3.050		mg/l	0.0200	0.0060	20	10/29/15 09:55	10/30/15 17:38	EPA 3005A	1,6020A	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/29/15 10:47	10/29/15 20:50	EPA 7470A	1,7470A	EA
Nickel, Total	0.0181		mg/l	0.0040	0.0001	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Potassium, Total	32.4		mg/l	0.100	0.019	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Selenium, Total	0.002	J	mg/l	0.005	0.001	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Silver, Total	ND		mg/l	0.0004	0.0001	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Sodium, Total	357		mg/l	2.00	0.322	20	10/29/15 09:55	10/30/15 17:38	EPA 3005A	1,6020A	TT
Thallium, Total	0.0001	J	mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Vanadium, Total	0.0155		mg/l	0.0050	0.0006	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT
Zinc, Total	0.0261		mg/l	0.0100	0.0026	1	10/29/15 09:55	10/30/15 17:35	EPA 3005A	1,6020A	TT

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1527734
Report Date: 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-05
Client ID: MW-3
Sample Location: 112 W. 25TH ST, NY, NY
Matrix: Water

Date Collected: 10/28/15 11:40
Date Received: 10/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.025		mg/l	0.010	0.002	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Antimony, Total	0.0006	J	mg/l	0.0020	0.0001	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Arsenic, Total	0.0126		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Barium, Total	0.8037		mg/l	0.0100	0.0013	20	10/29/15 09:55	10/30/15 17:41	EPA 3005A	1,6020A	TT
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Calcium, Total	268		mg/l	2.00	0.640	20	10/29/15 09:55	10/30/15 17:41	EPA 3005A	1,6020A	TT
Chromium, Total	0.0123		mg/l	0.0060	0.0003	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Cobalt, Total	0.0007		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Copper, Total	0.0012		mg/l	0.0010	0.0003	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Iron, Total	8.54		mg/l	0.050	0.012	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Lead, Total	0.0042		mg/l	0.0010	0.0001	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Magnesium, Total	85.4		mg/l	1.40	0.446	20	10/29/15 09:55	10/30/15 17:41	EPA 3005A	1,6020A	TT
Manganese, Total	3.409		mg/l	0.0200	0.0060	20	10/29/15 09:55	10/30/15 17:41	EPA 3005A	1,6020A	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/30/15 11:07	10/30/15 19:38	EPA 7470A	1,7470A	EA
Nickel, Total	0.0093		mg/l	0.0040	0.0001	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Potassium, Total	51.3		mg/l	2.00	0.386	20	10/29/15 09:55	10/30/15 17:41	EPA 3005A	1,6020A	TT
Selenium, Total	0.001	J	mg/l	0.005	0.001	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Silver, Total	0.0001	J	mg/l	0.0004	0.0001	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Sodium, Total	674		mg/l	2.00	0.322	20	10/29/15 09:55	10/30/15 17:41	EPA 3005A	1,6020A	TT
Thallium, Total	ND		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Vanadium, Total	0.0021	J	mg/l	0.0050	0.0006	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT
Zinc, Total	0.0037	J	mg/l	0.0100	0.0026	1	10/29/15 09:55	10/30/15 17:50	EPA 3005A	1,6020A	TT

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1527734
Report Date: 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-06
Client ID: DUP
Sample Location: 112 W. 25TH ST, NY, NY
Matrix: Water

Date Collected: 10/28/15 11:50
Date Received: 10/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.023		mg/l	0.010	0.002	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Antimony, Total	0.0005	J	mg/l	0.0020	0.0001	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Arsenic, Total	0.0124		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Barium, Total	0.7967		mg/l	0.0100	0.0013	20	10/29/15 09:55	10/30/15 17:56	EPA 3005A	1,6020A	TT
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Calcium, Total	261		mg/l	2.00	0.640	20	10/29/15 09:55	10/30/15 17:56	EPA 3005A	1,6020A	TT
Chromium, Total	0.0109		mg/l	0.0060	0.0003	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Cobalt, Total	0.0007		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Copper, Total	0.00096	J	mg/l	0.00100	0.00026	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Iron, Total	8.49		mg/l	0.050	0.012	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Lead, Total	0.0036		mg/l	0.0010	0.0001	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Magnesium, Total	76.8		mg/l	1.40	0.446	20	10/29/15 09:55	10/30/15 17:56	EPA 3005A	1,6020A	TT
Manganese, Total	3.247		mg/l	0.0200	0.0060	20	10/29/15 09:55	10/30/15 17:56	EPA 3005A	1,6020A	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/30/15 11:07	10/30/15 19:49	EPA 7470A	1,7470A	EA
Nickel, Total	0.0082		mg/l	0.0040	0.0001	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Potassium, Total	45.3		mg/l	2.00	0.386	20	10/29/15 09:55	10/30/15 17:56	EPA 3005A	1,6020A	TT
Selenium, Total	0.001	J	mg/l	0.005	0.001	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Silver, Total	ND		mg/l	0.0004	0.0001	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Sodium, Total	570		mg/l	2.00	0.322	20	10/29/15 09:55	10/30/15 17:56	EPA 3005A	1,6020A	TT
Thallium, Total	ND		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Vanadium, Total	0.0020	J	mg/l	0.0050	0.0006	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT
Zinc, Total	ND		mg/l	0.0100	0.0026	1	10/29/15 09:55	10/30/15 17:53	EPA 3005A	1,6020A	TT

Project Name: LAM GEN
Project Number: 343443
Lab Number: L1527734
Report Date: 11/05/15

SAMPLE RESULTS

Lab ID: L1527734-07
Client ID: FB
Sample Location: 112 W. 25TH ST, NY, NY
Matrix: Water

Date Collected: 10/28/15 07:45
Date Received: 10/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.008	J	mg/l	0.010	0.002	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Antimony, Total	ND		mg/l	0.0020	0.0001	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Barium, Total	0.0002	J	mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Calcium, Total	0.150		mg/l	0.100	0.032	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Chromium, Total	ND		mg/l	0.0060	0.0003	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Cobalt, Total	ND		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Copper, Total	ND		mg/l	0.0010	0.0003	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Iron, Total	ND		mg/l	0.050	0.012	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Lead, Total	ND		mg/l	0.0010	0.0001	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Magnesium, Total	ND		mg/l	0.070	0.022	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Manganese, Total	ND		mg/l	0.0010	0.0003	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/30/15 11:07	10/30/15 19:51	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.0040	0.0001	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Potassium, Total	ND		mg/l	0.100	0.019	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Selenium, Total	ND		mg/l	0.005	0.001	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Silver, Total	ND		mg/l	0.0004	0.0001	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Sodium, Total	0.028	J	mg/l	0.100	0.016	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Thallium, Total	ND		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT
Zinc, Total	ND		mg/l	0.0100	0.0026	1	10/29/15 09:55	10/30/15 18:30	EPA 3005A	1,6020A	TT

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-07 Batch: WG835318-1										
Aluminum, Total	ND		mg/l	0.010	0.002	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Antimony, Total	0.0001	J	mg/l	0.0020	0.0001	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Barium, Total	0.0001	J	mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Calcium, Total	ND		mg/l	0.100	0.032	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Chromium, Total	0.0053	J	mg/l	0.0060	0.0003	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Cobalt, Total	ND		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Copper, Total	ND		mg/l	0.0010	0.0003	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Iron, Total	0.022	J	mg/l	0.050	0.012	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Lead, Total	ND		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Magnesium, Total	ND		mg/l	0.070	0.022	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Manganese, Total	0.0005	J	mg/l	0.0010	0.0003	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Nickel, Total	0.0034	J	mg/l	0.0040	0.0001	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Potassium, Total	ND		mg/l	0.100	0.019	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Selenium, Total	ND		mg/l	0.005	0.001	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Silver, Total	0.0001	J	mg/l	0.0004	0.0001	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Sodium, Total	ND		mg/l	0.100	0.016	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Thallium, Total	ND		mg/l	0.0005	0.0001	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT
Zinc, Total	ND		mg/l	0.0100	0.0026	1	10/29/15 09:55	10/30/15 17:13	1,6020A	TT

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG835390-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/29/15 10:47	10/29/15 20:04	1,7470A	EA

Project Name: LAM GEN **Lab Number:** L1527734

Project Number: 343443 **Report Date:** 11/05/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 05-07 Batch: WG835838-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/30/15 11:07	10/30/15 19:34	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG835318-2								
Aluminum, Total	101		-		80-120	-		
Antimony, Total	100		-		80-120	-		
Arsenic, Total	108		-		80-120	-		
Barium, Total	97		-		80-120	-		
Beryllium, Total	113		-		80-120	-		
Cadmium, Total	117		-		80-120	-		
Calcium, Total	100		-		80-120	-		
Chromium, Total	103		-		80-120	-		
Cobalt, Total	103		-		80-120	-		
Copper, Total	109		-		80-120	-		
Iron, Total	108		-		80-120	-		
Lead, Total	102		-		80-120	-		
Magnesium, Total	105		-		80-120	-		
Manganese, Total	104		-		80-120	-		
Nickel, Total	110		-		80-120	-		
Potassium, Total	106		-		80-120	-		
Selenium, Total	111		-		80-120	-		
Silver, Total	98		-		80-120	-		
Sodium, Total	106		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	102		-		80-120	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG835318-2					
Zinc, Total	107	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG835390-2					
Mercury, Total	117	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 05-07 Batch: WG835838-2					
Mercury, Total	113	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG835318-4 QC Sample: L1527719-01 Client ID: MS Sample												
Aluminum, Total	0.025	2	2.32	115		-	-		75-125	-		20
Antimony, Total	0.0004J	0.5	0.6383	**128**	Q	-	-		75-125	-		20
Arsenic, Total	0.0007	0.12	0.1525	**126**	Q	-	-		75-125	-		20
Barium, Total	0.0257	2	2.314	114		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.0576	115		-	-		75-125	-		20
Cadmium, Total	ND	0.051	0.0695	**136**	Q	-	-		75-125	-		20
Calcium, Total	19.6	10	34.0	**144**	Q	-	-		75-125	-		20
Chromium, Total	0.0093	0.2	0.2428	117		-	-		75-125	-		20
Cobalt, Total	0.0001J	0.5	0.6040	121		-	-		75-125	-		20
Copper, Total	0.0011	0.25	0.3193	**127**	Q	-	-		75-125	-		20
Iron, Total	0.341	1	1.58	124		-	-		75-125	-		20
Lead, Total	0.0002J	0.51	0.6130	120		-	-		75-125	-		20
Magnesium, Total	3.89	10	16.6	**127**	Q	-	-		75-125	-		20
Manganese, Total	0.0073	0.5	0.6112	121		-	-		75-125	-		20
Nickel, Total	0.0066	0.5	0.6364	**126**	Q	-	-		75-125	-		20
Potassium, Total	1.70	10	13.5	118		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.135	112		-	-		75-125	-		20
Silver, Total	0.0002J	0.05	0.0584	117		-	-		75-125	-		20
Sodium, Total	49.7	10	62.8	**131**	Q	-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1410	118		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.5817	116		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG835318-4 QC Sample: L1527719-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.6174	123	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG835390-3 WG835390-4 QC Sample: L1527729-02 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00537	107	0.00532	106	75-125	1	20
Total Metals - Westborough Lab Associated sample(s): 05-07 QC Batch ID: WG835838-4 QC Sample: L1527734-05 Client ID: MW-3									
Mercury, Total	ND	0.005	0.00503	101	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG835318-3 QC Sample: L1527719-01 Client ID: DUP Sample						
Chromium, Total	0.0093	0.0090	mg/l	3		20
Lead, Total	0.0002J	ND	mg/l	NC		20
Nickel, Total	0.0066	0.0058	mg/l	12		20
Zinc, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 05-07 QC Batch ID: WG835838-3 QC Sample: L1527734-05 Client ID: MW-3						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent
D	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1527734-01A	Vial HCl preserved	B	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1527734-01B	Vial HCl preserved	B	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1527734-01C	Vial HCl preserved	B	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1527734-01D	Amber 1000ml unpreserved	B	7	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-01E	Amber 1000ml unpreserved	B	7	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-01F	Amber 1000ml unpreserved	B	7	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-01G	Amber 1000ml unpreserved	B	7	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-01H	Amber 500ml unpreserved	B	7	2.6	Y	Absent	NYTCL-8081(7)
L1527734-01I	Amber 500ml unpreserved	B	7	2.6	Y	Absent	NYTCL-8081(7)
L1527734-01J	Plastic 250ml HNO3 preserved	B	<2	2.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1527734-02A	Vial HCl preserved	B	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1527734-02B	Vial HCl preserved	B	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1527734-02C	Vial HCl preserved	B	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1527734-02D	Amber 1000ml unpreserved	B	8	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-02E	Amber 1000ml unpreserved	B	8	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-02F	Amber 1000ml unpreserved	B	8	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-02G	Amber 1000ml unpreserved	B	8	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-02H	Amber 500ml unpreserved	B	8	2.6	Y	Absent	NYTCL-8081(7)

*Values in parentheses indicate holding time in days

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1527734-02I	Amber 500ml unpreserved	B	8	2.6	Y	Absent	NYTCL-8081(7)
L1527734-02J	Plastic 250ml HNO3 preserved	B	<2	2.6	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1527734-03A	Vial HCl preserved	C	N/A	5.0	Y	Absent	NYTCL-8260(14)
L1527734-03B	Vial HCl preserved	C	N/A	5.0	Y	Absent	NYTCL-8260(14)
L1527734-03C	Vial HCl preserved	C	N/A	5.0	Y	Absent	NYTCL-8260(14)
L1527734-03D	Amber 1000ml unpreserved	C	7	5.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-03E	Amber 1000ml unpreserved	C	7	5.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-03F	Amber 1000ml unpreserved	C	7	5.0	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-03G	Amber 1000ml unpreserved	C	7	5.0	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-03H	Amber 500ml unpreserved	C	7	5.0	Y	Absent	NYTCL-8081(7)
L1527734-03I	Amber 500ml unpreserved	C	7	5.0	Y	Absent	NYTCL-8081(7)
L1527734-03J	Plastic 250ml HNO3 preserved	C	<2	5.0	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1527734-04A	Vial HCl preserved	C	N/A	5.0	Y	Absent	NYTCL-8260(14)
L1527734-04B	Vial HCl preserved	C	N/A	5.0	Y	Absent	NYTCL-8260(14)
L1527734-04C	Vial HCl preserved	C	N/A	5.0	Y	Absent	NYTCL-8260(14)
L1527734-04D	Amber 1000ml unpreserved	C	7	5.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-04E	Amber 1000ml unpreserved	C	7	5.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-04F	Amber 1000ml unpreserved	C	7	5.0	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-04G	Amber 1000ml unpreserved	C	7	5.0	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-04H	Amber 500ml unpreserved	C	7	5.0	Y	Absent	NYTCL-8081(7)
L1527734-04I	Amber 500ml unpreserved	C	7	5.0	Y	Absent	NYTCL-8081(7)

*Values in parentheses indicate holding time in days

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1527734-04J	Plastic 250ml HNO3 preserved	C	<2	5.0	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1527734-05A	Vial HCl preserved	D	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1527734-05B	Vial HCl preserved	D	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1527734-05C	Vial HCl preserved	D	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1527734-05D	Amber 1000ml unpreserved	D	7	5.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-05E	Amber 1000ml unpreserved	D	7	5.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-05F	Amber 1000ml unpreserved	D	7	5.8	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-05G	Amber 1000ml unpreserved	D	7	5.8	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-05H	Amber 500ml unpreserved	D	7	5.8	Y	Absent	NYTCL-8081(7)
L1527734-05I	Amber 500ml unpreserved	D	7	5.8	Y	Absent	NYTCL-8081(7)
L1527734-05J	Plastic 250ml HNO3 preserved	D	<2	5.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1527734-06A	Vial HCl preserved	D	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1527734-06B	Vial HCl preserved	D	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1527734-06C	Vial HCl preserved	D	N/A	5.8	Y	Absent	NYTCL-8260(14)
L1527734-06D	Amber 1000ml unpreserved	D	7	5.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-06E	Amber 1000ml unpreserved	D	7	5.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-06F	Amber 1000ml unpreserved	D	7	5.8	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-06G	Amber 1000ml unpreserved	D	7	5.8	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-06H	Amber 500ml unpreserved	D	7	5.8	Y	Absent	NYTCL-8081(7)
L1527734-06I	Amber 500ml unpreserved	D	7	5.8	Y	Absent	NYTCL-8081(7)

*Values in parentheses indicate holding time in days

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1527734-06J	Plastic 250ml HNO3 preserved	D	<2	5.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1527734-07A	Vial HCl preserved	A	N/A	5.9	Y	Absent	NYTCL-8260(14)
L1527734-07B	Vial HCl preserved	A	N/A	5.9	Y	Absent	NYTCL-8260(14)
L1527734-07C	Vial HCl preserved	A	N/A	5.9	Y	Absent	NYTCL-8260(14)
L1527734-07D	Amber 1000ml unpreserved	A	8	5.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-07E	Amber 1000ml unpreserved	A	8	5.9	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1527734-07F	Amber 1000ml unpreserved	A	8	5.9	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-07G	Amber 1000ml unpreserved	A	8	5.9	Y	Absent	NYTCL-8082-1200ML(7)
L1527734-07H	Amber 500ml unpreserved	A	8	5.9	Y	Absent	NYTCL-8081(7)
L1527734-07I	Amber 500ml unpreserved	A	8	5.9	Y	Absent	NYTCL-8081(7)
L1527734-07J	Plastic 250ml HNO3 preserved	A	<2	5.9	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1527734-08A	Vial HCl preserved	A	N/A	5.9	Y	Absent	NYTCL-8260(14)
L1527734-08B	Vial HCl preserved	A	N/A	5.9	Y	Absent	NYTCL-8260(14)

Container Comments

L1527734-01G

L1527734-02F

L1527734-03G

L1527734-04G

L1527734-05F

L1527734-06F

*Values in parentheses indicate holding time in days

Project Name: LAM GEN
Project Number: 343443

Lab Number: L1527734
Report Date: 11/05/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)

Container Comments

L1527734-07F

*Values in parentheses indicate holding time in days

Project Name:	LAM GEN	**Lab Number:**	L1527734
Project Number:	343443	**Report Date:**	11/05/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

Report Format: DU Report with 'J' Qualifiers

Project Name:	LAM GEN	**Lab Number:**	L1527734
Project Number:	343443	**Report Date:**	11/05/15

Data Qualifiers

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: LAM GEN **Lab Number:** L1527734
Project Number: 343443 **Report Date:** 11/05/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 8260C: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; Iodomethane (methyl iodide) (soil); Methyl methacrylate (soil); Azobenzene; Bromobenzene (aqueous).
EPA 8270D: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F,**
EPA 353.2: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 10/28/15

ALPHA Job #: L1527734

Client Information
Client: AET
Address: 20 Gibson Place Freehold NJ
Phone:
Fax:
Email: jbernarducci@aeiconsultants.com

Project Information
Project Name: LAM GEN
Project Location: 112 W 25th st NY, NY
Project #: 343443
(Use Project name as Project #) ☐
Project Manager: Joe Bernarducci
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ NJ Full / Reduced
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☒ Other NY

Site Information
Is this site impacted by Petroleum? Yes ☒
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8081	NYTCL-8082	NYTCL-8270	Total Hg Total Metals	NYTCL-8260				Sample Specific Comments	Total Bottle
27734-01	MW-1D	10/28/15	0815	GW	JB	X	X	X	X	X					10
02	MW-2	10/28/15	0845	GW	JB	X	X	X	X	X					10
03	MW-5	10/28/15	1005	GW	JB	X	X	X	X	X					10
04	MW-4	10/28/15	1045	GW	JB	X	X	X	X	X					10
05	MW-3	10/28/15	1140	GW	JB	X	X	X	X	X					10
06	DUP	10/28/15	1150	GW	JB	X	X	X	X	X					10
07	FB	10/28/15	0745	GW	JB	X	X	X	X	X					10
08	TB	10/28/15		GW	JB					X					
Container Type						A	A	A	P	V					
Preservative						A	A	A	C	B					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10/28/15 1230	[signature] AAL	10-28-15 1230
[signature]	10-28-15 1831	[signature]	10-28-15 1831
[signature]	10/28/15 2310	[signature] AAL	10/28/15 2310

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-14 HC (rev. 30-Sept-2013)