391 MEEKER AVENUE

BROOKLYN, NEW YORK 11222

Remedial Investigation Report

NYC VCP Site Number: TBD
CEQR Number: 04DCP003K
OER Site Number: 16EH-A219K

Prepared for:

Draftex Architectural Drafting & As Built Services
777 Kent Avenue (Suite 229)
Brooklyn, New York 11205

Prepared by:

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

1808 Middle Country Road
Ridge, NY 11961

FEBRUARY 2016

REMEDIAL INVESTIGATION REPORT
TABLE OF CONTENTS

LIST OF ACRONYMS

CERTIFICATION

EXECUTIVE SUMMARY i

REMEDIAL INVESTIGATION REPORT 1

1.0 SITE BACKGROUND 1

1.1 Site Location and Current Usage 1

1.2 Proposed Redevelopment Plan 2

1.3 Description of Surrounding Property 2

2.0 SITE HISTORY 4

2.1 Past Uses and Ownership 4

2.2 Previous Investigations 4

2.3 Site Inspection 5

2.4 Areas of Concern 5

3.0 PROJECT MANAGEMENT 6

3.1 Project Organization 6

3.2 Health and Safety 6

3.3 Materials Management 6

4.0 REMEDIAL INVESTIGATION ACTIVITIES 7

4.1 Geophysical Investigation 7

4.2 Borings and Monitoring Wells 7

4.3 Sample Collection and Chemical Analysis 8

5.0 ENVIRONMENTAL EVALUATION 12

5.1 Geological and Hydrogeological Conditions 12

5.2 Soil Chemistry 12

5.3 Groundwater Chemistry 13

5.4 Prior Activity 15

5.5 Impediments to Remedial Action 15

REMEDIAL INVESTIGATION REPORT
TABLE OF CONTENTS

TABLES

Table 1 - Construction Details for Soil Borings and Monitoring Wells
Table 2 - Soil Analytical Results (VOCs)
Table 3 - Soil Analytical Results (SVOCs)
Table 4 - Soil Analytical Results (Pesticides/PCBs)
Table 5 - Soil Analytical Results (Metals)
Table 6 - Groundwater Analytical Results (VOCs)
Table 7 - Groundwater Analytical Results (SVOCs)
Table 8 - Groundwater Analytical Results (Pesticides/PCBs)
Table 9 - Groundwater Analytical Results (Dissolved Metals)
Table 10 - Soil Gas Analytical Results (VOCs)
Table 11 - Groundwater Elevation Table

FIGURES

Figure 1 - Site Location Map
Figure 2 - Site Boundary Map
Figure 3 - Redevelopment Plan
Figure 4 - Surrounding Land Use
Figure 5 - Site Sampling Locations
Figure 6 - Soil Exceedences Map
Figure 7 - Groundwater Exceedences Map
Figure 8 - Soil Vapor Detections
Figure 9 – Groundwater Contour Map

ATTACHMENTS

Attachment A - Phase I Screening Report
Attachment B - Soil Boring Logs
Attachment C - Groundwater Sampling Logs
Attachment D - Soil Gas Sampling Logs
Attachment E - Laboratory Reports

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photo-ionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Robert M. Bennett, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the Redevelopment Project located 391 Meeker Avenue, Brooklyn, NY 11222 (OER Project Number 16EH-A219K). 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.

Robert M. Bennett 02/10/2016

Qualified Environmental Professional Date Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 391 Meeker Avenue in the Greenpoint neighborhood of Brooklyn, New York, and is currently identified as Block 2723, Lot No. 33 on the New York City Tax Map. A Site location map is provided in the attached **Figure 1**. The lot has approximately 100 feet of street frontage along Meeker Avenue, 20 feet of street frontage along Richardson Street and extends approximately 50 feet back from the street for a total of 2,961 square feet (sf). The Site is located on the north side of Meeker Avenue and is bordered by a three-story apartment building to the north (411 Manhattan Avenue) and a four-story apartment building to the west (113 Richardson Street). A map of the Site showing the property boundaries is provided in **Figure 2**.

The Site is currently developed with a one-story commercial use building occupied by a flooring materials supply company (BK Floor Supply Inc.). The onsite building occupies the entire footprint of the Site, has concrete block/brick exterior walls and a flat asphaltic rooftop. There are four doors to access the Site along Meeker Avenue and Richardson Street including one Bay door for vehicle access. The building's interior currently consists primarily storage space for lumber, flooring materials, paints and adhesives.

Summary of Proposed Redevelopment Plan

The proposed redevelopment project entails the renovation of the existing building into a new mixed-use building. The cellar will consist primarily of storage space and will include a garbage room, mechanical room and bathroom. The first floor will have commercial space on the east side of the building, a recreational space in the approximate center and an apartment on the west side of the building. The second through fourth floors and the penthouse will be used as residential living space. The proposed new building will have a base height (fourth floor) of 41

feet and 1 inch above grade and a total building height (penthouse level) of 51 feet and 1 inch. The proposed new building will occupy almost the entire footprint of the Site except for an 8 foot by 100 foot rear yard area which will be present on the north side of the Site.

The proposed development will involve excavation of the building footprint to a depth of approximately 10 feet below grade. An estimated 741 cubic yards (approximately 1,100 tons) of soil will require excavation for the new building's cellar. The building will not be equipped with any parking areas. The water table at the Site is approximately 8 feet below grade surface (bgs), and therefore is expected to be encountered during excavation.

Layout of the redevelopment plans for the cellar and first floor is presented in **Figure 3**. The current zoning designation is manufacturing (M1-2) and residential (R6A) with no commercial overlay. The proposed use of the new building is consistent with existing zoning for the property.

Summary of Past Uses of Site and Areas of Concern

A Phase I screening was competed by EBC in January 2016. The following Site history was established based on historic Sanborn maps:

EBC was able to establish a history for the Site dating back to 1887. In 1887 and 1905, the Site was undeveloped. By 1916, the Site was developed with a single-story scrap rubber storage building on the west side of the Site and an attached garage on the east side. Adjacent properties included a poultry shop to the west followed by a storefront and lumber shed along Richardson Street and a storefront and residence to the north along Manhattan Avenue. The surrounding vicinity consisted primarily of manufacturing facilities with a few residential and storefront properties between. The Brooklyn Queens Expressway was also not present above Meeker Avenue at this time. By 1942, the former scrap rubber building on the west side of the Site was occupied by a beer depot and the attached garage/storage area remained on the east side of the Site and a small office was present in the approximate center of the Site along Meeker Avenue. Adjacent properties and the surrounding vicinity remained generally unchanged through 1942. The Site and surrounding vicinity remained generally unchanged through 1951; however, the Brooklyn Queens Expressway was now present above Meeker Avenue to the south of the Site. Historic documents and records indicate that the Site was occupied by a beer depot facility from

circa 1940 through 1985. The Site was later occupied by an auto repair (Meeker Auto Repair Inc.) from circa 1992 through 2004, a car wash circa 2000, an auto body repair (Ralphy's Auto Body Repair) circa 2006 through 2008 and then a flooring supply warehouse circa 2013. The Site is still currently occupied by a flooring supply warehouse (BK Floor Supply Inc.).

Based upon reconnaissance of the Site and surrounding properties, one (1) Recognized Environmental Condition (REC) and five (5) additional environmental concerns were identified for the Site:

- The Site is listed as historic auto station site for the presence of Meeker Auto Repair Inc. from at least 1992 through 2004 and Ralphy's Auto Body Repair present circa 2006 through 2008. Auto repair operations typically involve the usage of oils, waste oil, fuels, fuel additives and cleaners and solvents which have the potential to impact the subsurface of the Site. The historical use of the Site as an auto repair and body shop facility from circa 1992 through 2008 is considered a REC. As such, EBC recommended conducting a Phase II subsurface investigation to evaluate for the potential presence of contamination.

The following environmental concerns (not RECs) were also noted:

- According to the database report, the Site has an E-Designation (E-138) for HazMat and Air as the result of the Greenpoint-Williamsburg Rezonong action (CEQR No. 04DCP003K). Therefore, a testing protocol to evaluate subsurface soils is required and some restrictions may apply to maintain indoor air quality at the proposed new building.
- Due to the age of the onsite building (circa 1940), there is a potential for the presence of asbestos-containing materials at the Site.
- Due to the age of the onsite building (circa 1940), there is a potential for the presence of lead-based paints at the Site.
- Due to the age of the onsite building (circa 1940) and because the onsite building was occupied by an auto repair and auto body shop, there is a potential for the presence of abandoned PCB-containing equipment including hydraulic lifts and light ballasts.
- The Site is located in a 500-year flood zone and has a low risk of flooding.

Summary of the Work Performed under the Remedial Investigation

EBC performed the following scope of work at the Site in January 2016:

1. Conducted a site inspection on January 5, 2016 to identify areas of concern (AOCs) and physical obstructions (i.e. structures, accessible areas to perform Phase II, etc.);
2. Installed five (5) soil borings (B1-B5) across the Site, and collected ten soil samples for chemical analysis;
3. Installed three (3) groundwater monitoring wells (MW1-MW3) at the Site and collected three groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed four (4) soil gas implants (SV1-SV4) and collected four soil gas samples for chemical analysis.

Summary of Environmental Findings

1. The elevation of the Site is approximately 11 feet above mean sea level (amsl);
2. Depth to groundwater is estimated to be approximately 8 feet below grade surface (bgs);
3. The Site has a northwesterly groundwater flow direction;
4. The stratigraphy of the Site consists of alternating layers of brown silt and brown clay to approximately 6 feet below (two locations, B2 and B5, had brick fragments mixed within 1 to 4 feet below grade) and dark brown coarse sand and gravel mixtures below;
5. Soil/fill samples results were compared to New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use Soil Cleanup Objectives and Restricted Residential Use Soil Cleanup Objectives (SCOs) as presented in 6NYCRR Part 375-6.8. Soil/fill collected during the RI showed trace levels of VOCs with only acetone (max. 91 µg/kg) exceeding Unrestricted Use SCOs. Several semi-volatile organic compounds (SVOCs) consisting of polycyclic aromatic hydrocarbon (PAH) compounds were detected in one deep and two shallow samples at concentrations exceeding Restricted Residential Use SCOs including: benz(a)anthracene (max. 1,600 µg/kg), benzo(a)pyrene (max. 1,200 µg/kg), benzo(b)fluoranthene (max. 1,100 µg/kg), and indeno(1,2,3-cd)pyrene (max. 870 µg/kg). Two SVOCs, benzo(k)fluoranthene (max. 1,200 µg/kg) and chrysene (max. 1,600 µg/kg) were detected at concentrations exceeding Unrestricted Use SCOs. The pesticide, 4,4'-DDT was detected at 13 µg/kg in one deep sample exceeding Unrestricted Use SCO. Two PCBs including PCB-1254 (670 µg/kg) in sample B1 (0-2') and PCB-1260 (max. 120 µg/kg) in sample B1 (8-10') were detected exceeding Unrestricted Use SCOs. Several metals including lead (max. 1,370 mg/kg), copper (max.

196 mg/kg), arsenic (max. 17.9 mg/kg), mercury (max. 4.08 mg/kg) and zinc (max. 460 mg/kg) were detected exceeding Unrestricted Use SCOs. Of these metals, arsenic, lead, and mercury also exceeded Restricted Residential Use SCOs. Overall, the soil results were consistent with data identified at sites with minimal urban fill material and native soil in NYC.

6. Groundwater sample results from EBC's January 2016 remedial investigation (RI) were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). No VOCs were detected above their respective NYSDEC Groundwater Quality Standards. Several SVOCs including benz(a)anthracene (max. 1.5 ug/L), benzo(a)pyrene (max. 1.7 ug/L), benzo(b)fluoranthene (max. 1.1 ug/L), benzo(k)fluoranthene (max. 1 ug/L), chrysene (max. 1.3 ug/L) and indeno(1,2,3-cd)pyrene (max. 0.81 ug/L) were detected in all three wells above GQS. One PCB, PCB-1254 at 2.1 ug/L, was detected in MW1 above GQS. One pesticide (dieldrin at 0.011 ug/L) was detected in a duplicate sample from MW3 above GQS. Several dissolved metals were detected in all three groundwater samples including magnesium (max. 70.4 mg/L), manganese (max. 1.54 mg/L) and sodium (max. 129 mg/L) exceeding their respective GQS.
7. Soil vapor samples collected during the RI were compared to the compounds listed in Table 3.1 of the Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil vapor samples collected during the RI showed elevated levels of petroleum-related VOCs in SV3 and low levels in SV1, SV2 and SV4. The total concentration of petroleum-related VOCs (BTEX) ranged from 1.94 $\mu g/m^3$ in SV2 to 17,905.90 $\mu g/m^3$ in SV3. Hexane was the highest detected petroleum-related compound with a concentration of 48,100 $\mu g/m^3$ in SV3. Chlorinated VOCs were also detected with tetrachloroethylene (PCE) detected at a maximum of 3,310 $\mu g/m^3$ in SV3, 1,1,1-trichloroethane (TCA) detected at a maximum of 0.399 $\mu g/m^3$, carbon tetrachloride detected at a maximum of 0.072 $\mu g/m^3$, and trichloroethylene (TCE) detected at a maximum of 1.7 $\mu g/m^3$. The concentration for PCE was within the monitoring level ranges established within the State DOH soil vapor guidance matrix.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Draftex Architectural Drafting & As Built Services (a.k.a. Draftex) has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate the 2,958-square foot property located at 391 Meeker Avenue in the Greenpoint neighborhood of Brooklyn, New York. There are proposed plans to redevelop the Site with a new four-to-five story mixed use building with a full cellar. The RI was conducted at the Site on January 15, 2016 and January 22, 2016. This RIR summarizes the nature and extent of contamination at the Site and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 391 Meeker Avenue in the Greenpoint neighborhood of Brooklyn, New York, and is currently identified as Block 2723, Lot No. 33 on the New York City Tax Map. **Figure 1** shows the Site location. The lot has approximately 95 feet of street frontage along Meeker Avenue and approximately 20 feet of street frontage along Richardson Street. The Site's footprint is approximately 2,958 square feet in area. The Site is located on the north side of Meeker Avenue and is bordered by adjacent apartment buildings to the north and west, Manhattan Avenue to the east, and Meeker Avenue Richardson Street to the south. The Site's property boundary is illustrated in **Figure 2**.

The Site is currently developed with a one-story commercial use building occupied by a flooring materials supply company (BK Floor Supply, Inc.). Prior to being occupied by a flooring company, the onsite building was occupied by an auto body shop (circa 2008), a car wash (circa 2000) and a beer distributor (circa 1940 through 1985). The onsite building occupies the entire footprint of the Site, has concrete block/brick exterior walls and a flat asphaltic rooftop. There are four doors to access the Site along Meeker Avenue and Richardson Street including one Bay door for vehicle access. The building's interior currently consists primarily of storage space for lumber, flooring materials, paints and adhesives.

1.2 Proposed Redevelopment Plan

The proposed redevelopment project entails the renovation of the existing building into a new mixed-use building. The proposed new building will be four-stories tall with a penthouse level on the fifth floor and a full cellar. The cellar will consist primarily of storage space and will include a garbage room, mechanical room and bathroom. The first floor will have commercial space on the east side of the building, a recreational space in the approximate center and an apartment on the west side of the building. The second through fourth floors and the penthouse will be used as residential living space. The proposed new building will have a base height (fourth floor) of 41 feet, 1 inches above grade and a total building height (penthouse level) of 51 feet, 1 inches. The proposed new building will occupy almost the entire footprint of the Site except for an 8 foot by 100 foot rear yard which will be present on the north side of the Site.

The proposed development will involve excavation of the building footprint to a depth of approximately 10 feet below grade. An estimated 741 cubic yards (approximately 1,100 tons) of soil will require excavation for the new building's cellar. The building will not be equipped with any parking areas. The water table at the Site is approximately 8 feet below grade surface (bgs), and therefore is expected to be encountered during excavation.

Layout of the redevelopment plans for the cellar and first floor is presented in **Figure 3**. The current zoning designation is manufacturing (M1-2) and residential (R6A) with no commercial overlay. The proposed use of the new building is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The area immediately surrounding the Site consists primarily of industrial and commercial use buildings with a few mixed-use/residential use properties amongst them. The adjacent properties to the north and west of the Site are both multi-family residential apartment buildings. **Figure 4** shows the surrounding land usage. Additionally, the adjacent properties are listed in the table below.

Surrounding Property Usage

Direction	Property Description
North – *Adjacent*	Block 2723, Lot No. 32 (411 Manhattan Avenue): three-story residential apartment building.

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

Property	
South – *Across Meeker Avenue*	Two lanes of Meeker Avenue separated by a strip of parking spaces below the Brooklyn-Queens Expressway (I-278) overpass followed by a single story commercial building occupied by a beverage distributor and a quilt manufacturer along the east-bound side of Meeker Avenue followed by several two to three-story residences.
East – *Across Manhattan Avenue*	Manhattan Avenue followed by a three-story mixed use building (Block 2724, Lot No. 1 - 411 Meeker Avenue) with commercial space on the ground floor and apartments above. The current tenant on the ground floor is unknown.
West – *Adjacent*	Block 2723, Lot No. 37 (113 Richardson Street): A four-story residential apartment building.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

A Phase I Screening report was prepared for the Site by EBC in January of 2016. The Site history was investigated and is as follows:

According to the review of historic documents, it is known that the Site has been developed since at least 1916. As depicted in older Sanborn fire insurance maps from 1887 and 1905, the Site was undeveloped. In 1916, the Site was developed with a single-story scrap rubber storage building on the west side of the Site and an attached garage on the east side. By 1942, the former scrap rubber building on the west side of the Site was occupied by a beer depot and the attached garage/storage area remained on the east side of the Site and a small office was present in the approximate center of the Site along Meeker Avenue. The Site remained generally unchanged through 1951. The Site was occupied by a several beer distributors (Liberty Beer Distributors, Berlin Bros Beer Distributors, Thrifty Beverage and Russin Beer) from at least 1940 through circa 1985, Meeker Auto Repair Inc. from at least 1992 through 2004, Zapil Juan Car Wash circa 2000, Ralhpy's Auto Body Repair Shop circa 2008 and BK Floor Supply Inc. circa 2013. The onsite building is still occupied by BK Floor Supply Inc.

2.2 Previous Investigations

EBC prepared a Phase I Screening report for the Site in January 2016. The report concluded that the historic presence of an auto repair at the Site from circa 1992 through 2004 and an auto body shop circa 2006 through 2008 was considered a recognized environmental condition (REC) due to the potential release of materials typically involved with auto repair operations (*e.g.*, lubricants, engine oils, fuels, fuel additives, solvents etc.). EBC recommended conducting a Phase II investigation to evaluate the Site's subsurface for the potential presence of contamination. Also, EBC noted that the Site has an E-Designation (E-138) for HazMat and Air as the result of the Greenpoint-Williamsburg rezoning action (CEQR No. 04DCP003K). As such, a testing protocol and engineering controls will be initiated to evaluate the Site's subsurface for the potential presence of contamination and to minimize impacts to indoor air quality. Due to the onsite building's construction date (circa 1940) the potential for the presence of asbestos-

containing materials (ACMs), lead-based paint (LBP) and PCBs is also considered a concern. Additionally, the Site is located in a 500-year flood zone and is considered to be at a low risk of flooding.

2.3 Site Inspection

Mr. Gregory Swirson visited the Site on January 5, 2016 at approximately 12:00pm. Mr. Swirson confirmed the presence of a single-story commercial building currently occupied by BK Floor Supply Inc. The onsite building is constructed atop a slab-on-grade foundation, has concrete block/brick exterior walls and a flat asphaltic rooftop. There are four doors to access the Site along Meeker Avenue and Richardson Street including one Bay door for vehicle access. The interior consists of storage space for commercial grade lumber, flooring, paints and sealants/adhesives. One floor drain was observed in the storage area on the west side of the building; however, there was no evidence of hydraulic lifts or equipment associated with the prior auto repair shop occupants. The owner and occupants were not made available for comments regarding the current and historic usage of the Site. However, one of the current occupants stated that the Site is currently connected to the sewer, is provided electric service by Con Edison, natural gas by National Grid and is also connected to cable and internet.

2.4 Areas of Concern

Areas of Concern (AOCs) identified for the Site include:

1. The historic usage of the Site as an auto repair facility (1992 through 2004) and an auto body shop (circa 2008);
2. The Site has an E-Designation (E-138) for HazMat and Air as the result of the Greenpoint-Williamsburg Rezonong action (CEQR No. 04DCP003K); and,
3. The potential for the presence of ACMs, LBP and PCBs at the Site.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Robert Bennett.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 Materials Management

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

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

4.0 REMEDIAL INVESTIGATION ACTIVITIES

EBC performed the following scope of work at the Site in January 2016:

1. Conducted a site inspection on January 5, 2016 to identify areas of concern (AOCs) and physical obstructions (i.e. structures, accessible areas to perform Phase II, etc.);
2. Installed five (5) soil borings (B1-B5) across the Site, and collected ten soil samples for chemical analysis;
3. Installed three (3) groundwater monitoring wells (MW1-MW3) at the Site and collected three groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed four (4) soil gas implants (SV1-SV4) and collected four soil gas samples for chemical analysis.

4.1 Geophysical Investigation

A limited geophysical investigation was conducted prior to EBC's Phase II investigation in order to pre clear soil borings, groundwater monitoring wells and soil vapor sampling locations. No tanks or underground anomalies were identified.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On January 15, 2016, five (5) soil borings (B1 through B5) were installed in the approximate locations shown on **Figure 5**. The soil boring locations were chosen to gain representative soil quality information across the Site. Soil borings were collected continuously from grade to a final depth of 10 feet below existing grade using a five-foot steel macro core sampler, all with acetate liners and Geoprobe direct-push equipment. Soil recovered from each soil boring was field screened for the presence of VOCs with a photoionization detector (PID) and visually inspected for evidence of contamination. Two soil samples were retained from each of the soil borings, representing the 0 to 2 foot interval and the 8 to 10 foot interval.

Soil boring details are provided in **Table 1**. Boring logs were prepared by a Qualified Environmental Professional and are attached in **Attachment B**.

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

Groundwater Monitoring Well Construction

Three (3) temporary 1-inch diameter PVC monitoring wells (MW1 through MW3) were installed at the approximate locations shown on **Figure 5**, with 10 feet of 0.010 slotted screen set to intersect the water table. Since groundwater was encountered at approximately 8 feet below grade, the wells were installed to 15 feet below grade with the screen present from 5 to 15 feet below grade. Monitoring well sampling details are provided in **Table 1**. Monitoring well locations are shown in **Figure 5**.

Survey

Soil borings, monitoring wells and soil gas sampling locations were located to the nearest 0.10 foot with respect to two or more permanent site features.

Water Level Measurement

Approximate groundwater level measurements were collected using a Solinst oil/water interface meter to ensure the surface of the water table was within the screened section of the monitoring well. No free product was observed within the three monitoring wells. Water level data is included in **Table 1**.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation targeted Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor were sampled and evaluated in the RIR. Discrete (grab) samples were used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment and selection of a final remedy.

Soil Sampling

Ten (10) soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in

Tables 2, 3, 4 and **5**. **Figure 5** shows the location of samples collected during this RI. Laboratories and analytical methods for soil samples collected during the RI are shown below.

The ten (10) soil samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis with proper chain of custody to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). All soil samples retained during EBC's January 15, 2016 sampling event were analyzed for the presence of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs) by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082, and target analyte list (TAL) metals.

Groundwater Sampling

Three (3) groundwater wells were installed on January 15, 2016 and three groundwater samples were collected for chemical analysis during this RI. Groundwater samples were collected from the monitoring wells utilizing dedicated polyethylene tubing and a peristaltic pump. Three groundwater samples were collected by EBC on January 22, 2016 in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix for analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, pesticides/PCBs by EPA Methods 8081/8082 and TAL metals and dissolved metals. **Figure 5** shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

Four (4) soil vapor probes were installed on January 15, 2016 and the four soil vapor points were sampled for chemical analysis during this RI. The four soil vapor sampling locations are shown in **Figure 5**. Soil vapor sample collection data is reported in **Table 10**, and the soil vapor sampling logs are included in **Attachment D**. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

The soil vapor probes were installed using Geoprobe™ equipment and tooling. The approximate location of each of the soil vapor probes is shown on **Figure 5**. The vapor probes that were installed were the Geoprobe™ Model AT86 series, which are constructed of a 6-inch length of

double woven stainless steel wire. The four soil vapor probes were installed to a depth of 7 feet below grade. Each probe was attached to ¼ inch polyethylene tubing which extended approximately 18 inches beyond that needed to reach the surface. The tubing was capped with a ¼ inch plastic end to prevent the infiltration of foreign particles into the tube. Coarse sand was placed around the probe to a height of approximately 1 foot above the bottom of the probe. The remainder of the borehole was sealed with a bentonite slurry to the surface.

Prior to sampling, each sampling location was tested to ensure that a proper surface seal had been accomplished. In accordance with NYSDOH guidance (NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005), a tracer gas (helium) was used as a quality assurance/quality control device to verify the integrity of the sampling point seal prior to collecting the samples. Prior to testing and collecting samples, the surface immediately surrounding the polyethylene tubing of the vapor implant was sealed using a 1 foot ft by 1 ft square sheet of 2 mil HDPE plastic firmly adhered to a wetted layer of granular bentonite. The seal was then tested by enriching the air space above the seal with a tracer gas (helium) while continuously monitoring air drawn from the implant with a helium detector (Dielectric Model MGD-2002, Multi-Gas Detector) for a minimum of 15 minutes. The tracer gas test procedure was employed at all three soil vapor sampling locations. No surface seal leaks were observed at any of the locations.

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe and tube) of air was purged from the implant using a calibrated vacuum pump. After purging, a 6-liter Summa® canister, fitted with a 2-hour flow regulator, was attached to the surface tube of each of the three vapor implants. Prior to initiating sample collection, sample identification, canister number, date and start time were recorded on tags attached to each canister and in a bound field note book. Sampling then proceeded by fully opening the flow control valve on each canister in turn. Immediately after opening the flow control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field book and on the sample tag. When the vacuum level in the canister was between 5 and 8 inches of mercury (approx 2 hours), the flow controller valve was closed, and the final vacuum recorded in the field notebook and on the sample tag.

The soil gas sample identification, date, start time, start vacuum, end time and end vacuum were recorded on tags attached to each canister and on a sample log sheet (**Attachment D**). Samples were submitted to Phoenix for laboratory analysis of VOCs EPA Method TO-15.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Phoenix Environmental Laboratories
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI is NYS ELAP certified and was Phoenix Environmental Laboratories
Chemical Analytical Methods	Soil and groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); and, • PCBs by EPA Method 8082A (rev. 2000). Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in **Tables 2** through **10**. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in **Attachment E**.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The stratigraphy of the Site surrounding the existing foundation slab from the surface down consists of four inches of concrete (representing the building's slab on grade foundation), dry brown silt and/or brown silt-clay mixtures from 4" to approximately 7 feet below grade and wet, dark brown coarse gravelly sand mixtures from 8 to 9 feet underlain by a layer of gray clay. A small interval representing typical fill material (silt with red brick fragments) was encountered in borings B2 and B5 at approximately 1 to 4 feet below grade. Boring logs are provided in **Appendix B**.

Hydrogeology

Water level data for the three monitoring wells is provided in **Table 1**. The average depth to groundwater is approximately 7.5 to 8 feet below grade. Groundwater is estimated to flow in a general northwesterly direction towards the East River which is present approximately 0.7-miles northwest of the Site.

5.2 Soil Chemistry

Soil/fill samples results were compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs) as presented in 6NYCRR Part 375-6.8 and CP51. Soil/fill results showed no SVOCs, PCBs or pesticides were detected in any of the soil samples. Low levels of VOCs were detected in all ten soil samples at concentrations below soil cleanup objective values (SCOs). Acetone was detected at 91 ug/kg in B1 (8-10') and 59 ug/kg in B2 (8-10'); however, Acetone is a common laboratory contaminant and is not indicative of VOC contamination. A few SVOCs were detected above SCOs in samples B2 (0-2'), B4 (8-10') and B5 (0-2'). Benz(a)anthracene (1,400 ug/kg), Benzo(a)pyrene (1,200 ug/kg), Benzo(b)fluoranthene (1,000 ug/kg), Benzo(k)fluoranthene (990 ug/kg), Chrysene (1,400 ug/kg) and Indeno(1,2,3-cd)pyrene (780 ug/kg) were detected above SCOs in B2 (0-2'). Benz(a)anthracene (1,100 ug/kg), Chrysene (1,100 ug/kg) and Indeno(1,2,3-cd)pyrene (540 ug/kg) were detected above SCOs in B4 (8-10'). Benz(a)anthracene (1,600 ug/kg), Benzo(a)pyrene (1,300 ug/kg), Benzo(b)fluoranthene (1,100 ug/kg), Benzo(k)fluoranthene

(1,200 ug/kg), Chrysene (1,600 ug/kg) and Indeno(1,2,3-cd)pyrene (870 ug/kg) were detected above SCOs in B5 (0-2'). 4,4'-DDT (13 ug/kg in B1 (8-10')) was the only pesticide detected above SCOs in any of the ten soil samples collected. PCB-1254 (670 ug/kg in B1 (0-2')) and PCB-1260 (120 ug/kg in B1 (8-10')) were the only two PCBs detected above SCOs in any of the ten soil samples collected. Low to moderate levels of metals were detected in all ten soil samples collected. Copper (88.1 mg/kg), Lead (462 mg/kg), Mercury (1.24 mg/kg) and Zinc (310 mg/kg) were detected above SCOs in B1 (0-2'). Copper (66.9 mg/kg), Lead (327 mg/kg), Mercury (3.7 mg/kg) and Zinc (204 mg/kg) were detected above SCOs in B1 (8-10'). Copper (144 mg/kg), Lead (496 mg/kg), Mercury (1.75 mg/kg) and Zinc (201 mg/kg) were detected above SCOs in B2 (0-2'). Lead (71.5 mg/kg) and Mercury (0.73 mg/kg) were detected above SCOs in B2 (8-10'). Copper (180 mg/kg), Lead (629 mg/kg), Mercury (2.85 mg/kg) and Zinc (272 mg/kg) were detected above SCOs in B3 (0-2'). Lead (94 mg/kg) was detected above SCOs in B3 (8-10'). Copper (69.6 mg/kg), Lead (550 mg/kg), Mercury (1.5 mg/kg) and Zinc (638 mg/kg) were detected above SCOs in B4 (0-2'). Lead (83.3 mg/kg) and Mercury (0.55 mg/kg) were detected above SCOs in B4 (8-10'). Arsenic (17.9 mg/kg), Copper (196 mg/kg), Lead (1,370mg/kg), Mercury (4.08 mg/kg) and Zinc (460 mg/kg) were detected above SCOs in B5 (0-2'). Lead (167 mg/kg) and Mercury (0.88 mg/kg) were detected above SCOs in B5 (8-10'). Overall, the soil results were consistent with data identified at sites with minimal urban fill material and native soil in NYC.

5.3 Groundwater Chemistry

Groundwater sample results from EBC's January 2016 RI were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). A few VOCs were detected (Acetone, Chromomethane and MTBE) in samples from all the three monitoring wells; however, at concentrations below their respective NYSDEC Groundwater Quality Standards. Acetone is a common laboratory contaminant and does not necessarily reflect realistic conditions. For example, Acetone was detected in the trip blank sample. Several SVOCs were detected at relatively low levels in all three monitoring wells. SVOCs including Benz(a)anthracene (0.07 - 1.5 ug/L), Benzo(a)pyrene (0.07 - 1.7 ug/L), Benzo(b)fluoranthene 0.05 - 1.1 ug/L), Benzo(g,h,i)fluoranthene (0.06 - 1 ug/L), Chrysene (0.06 - 1.3 ug/L) and Indeno(1,2,3-cd)pyrene (0.05 - 0.81 ug/L) were detected at levels above their respective

NYSDEC Groundwater Quality Standards. One PCB (PCB-1254 at 2.1 ug/L) was detected in the groundwater sample from MW1. One Pesticide (Dieldrin at 0.011 ug/L) was detected in the duplicate sample from MW3. Several target analyte list (TAL) metals including Aluminum (4.13 - 684 mg/L), Antimony (0.003 mg/L), Arsenic (0.965 mg/L), Barium (8.93 mg/L), Beryllium (0.047 mg/L), Cadmium (0.019 mg/L), Chromium (1.84 mg/L), Copper (6.01 mg/L), Iron (26.1 - 1,270 ug/L), Lead (0.083 - 24 mg/L), Magnesium (219 mg/L), Manganese (0.991 - 23.5 mg/L), Nickel (1.08 ug/L), Sodium (62.2 - 171 mg/L) and Zinc (29.1 mg/L) were detected in the three groundwater samples. The highest and most numerous detections of TAL were from sample MW1. A couple dissolved metals were detected in all three groundwater samples including Magnesium (70.4 mg/L), Manganese (0.507 - 1.54 mg/L) and Sodium (61.5 - 129 mg/L). The highest concentrations of dissolved metals were detected in MW1. A groundwater duplicate sample was collected from MW3 and had a nearly identical chemistry.

5.4 Soil Vapor Chemistry

Soil vapor samples collected during the RI were compared to the compounds listed in Table 3.1 of the Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil vapor samples collected during the RI showed high levels of petroleum-related VOCs in the groundwater sample from SV3 and low levels in SV1, SV2 and SV4. The total concentration of petroleum-related VOCs (total BTEX VOCs) was 5.91 µg/m^3 in SV1, 1.94 µg/m^3 in SV2, 17,905.90 µg/m^3 in SV3 and 53.84 in µg/m^3 SV4. Specific VOCs including Toluene (3.37 µg/m^3) was detected above NYSDOH guidance values in SV1, no VOCs were detected above guidance values in SV2, Benzene (8,860 µg/m^3), Ethylbenzene (87.9 µg/m^3), Hexane (48,100 µg/m^3), m,p-Xylene (168 µg/m^3), Methylene Chloride (160 µg/m^3) and Toluene (8,810 µg/m^3) were detected above guidance values in SV3 and Benzene (3.05 µg/m^3), Hexane (6.81 µg/m^3), m,p-Xylene (6.7 µg/m^3) and Toluene (39.5 µg/m^3) were detected above guidance values in SV4.

Low levels of total chlorinated VOCs (CVOCs) were detected in all four soil vapor samples. The total CVOC concentration for SV1 was 0.91 µg/m^3, SV2 was 7.59 µg/m^3, SV3 was 3,310

µg/m^3 and SV4 was 9.01 µg/m^3. The increased total CVOC concentration at SV3 resulted from an elevated concentration of Tetrachloroethene (3,310 µg/m^3).

Such results indicates the presence of petroleum-related contamination in the vicinity of SV3 and SV4. Low levels of CVOCs were detected across the Site except for an elevated level of Tetrachloroethene in soil vapor sample SV3.

5.4 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected for the Site.

5.5 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

1808 Middle Country Road
Ridge, NY 11961
Phone 631.504.6000
Fax 631.924.2870

TABLES

1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961
PHONE 631.504.6000
FAX 631.924.2870

Table 1
391 Meeker Avenue
Brooklyn, NY
Soil Boring / Monitoring Well Construction Detail

Location ID	Installation Date	Total Depth (feet)	Diameter (inches)	Construction Materials	Screen Length (feet)	Screen Interval	Depth to Water (feet)
B1	1/15/2016	10	2	Geoprobe - Direct Push	-	-	8
B2	1/15/2016	10	2	Geoprobe - Direct Push	-	-	8
B3	1/15/2016	10	2	Geoprobe - Direct Push	-	-	8
B4	1/15/2016	10	2	Geoprobe - Direct Push	-	-	8
B5	1/15/2016	10	2	Geoprobe - Direct Push	-	-	8
MW1	1/15/2016	15	1	PVC	10.00	5 - 15 ft	7.85
MW2	1/15/2016	15	1	PVC	10.00	5 - 15 ft	7.77
MW3	1/15/2016	15	1	PVC	10.00	5 - 15 ft	7.67

TABLE 2
391 Meeker Avenue,
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1				B2				B3				B4				B5			
			(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg		(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg		(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg		(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg		(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1-Trichloroethane	680	100,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,1,2,2-Tetrachloroethane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,1,2-Trichloroethane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,1-Dichloroethane	270	26,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,1-Dichloroethene	330	100,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,1-Dichloropropene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,2,3-Trichlorobenzene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,2,3-Trichloropropane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,2,4-Trichlorobenzene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,2,4-Trimethylbenzene	3,600	52,000	< 5.6	5.6	< 8.3	8.3	**3.6**	4.2	< 5.7	5.7	**3**	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,2-Dibromo-3-chloropropane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,2-Dibromoethane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,2-Dichlorobenzene	1,100	100,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,2-Dichloroethane	20	3,100	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,2-Dichloropropane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,3,5-Trimethylbenzene	8,400	52,000	< 5.6	5.6	< 8.3	8.3	**1.4**	4.2	< 5.7	5.7	**1.8**	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,3-Dichlorobenzene	2,400	49,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,3-Dichloropropane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,4-Dichlorobenzene	1,800	13,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
2,2-Dichloropropane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
2-Chlorotoluene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
2-Hexanone			< 28	28	< 42	42	< 21	21	< 28	28	< 18	18	< 19	19	< 25	25	< 21	21	< 30	30	< 22	22
2-Isopropyltoluene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
4-Chlorotoluene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
4-Methyl-2-pentanone			< 28	28	< 42	42	< 21	21	< 28	28	< 18	18	< 19	19	< 25	25	< 21	21	< 30	30	< 22	22
Acetone	50	100,000	**17**	50	**91**	83	**27**	42	**59**	57	**18**	36	**27**	39	**18**	50	**38**	42	**17**	50	**25**	44
Benzene	60	4,800	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	**1.1**	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Bromobenzene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Bromochloromethane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Bromodichloromethane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Bromoform			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Bromomethane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Carbon Disulfide			< 5.6	5.6	**2.4**	8.3	< 4.2	4.2	**1.5**	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Carbon tetrachloride	760	2,400	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Chlorobenzene	1,100	100,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Chloroethane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Chloroform	370	49,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Chloromethane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
cis-1,2-Dichloroethene	250	100,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
cis-1,3-Dichloropropene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Dibromochloromethane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Dibromomethane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Dichlorodifluoromethane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Ethylbenzene	1,000	41,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Hexachlorobutadiene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Isopropylbenzene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
m&p-Xylene			< 5.6	5.6	< 8.3	8.3	**0.89**	4.2	< 5.7	5.7	**4.7**	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Methyl Ethyl Ketone	120	100,000	< 34	34	**29**	50	< 25	25	**22**	34	< 22	22	**7.2**	23	< 30	30	**7.3**	25	< 36	36	**7.6**	26
Methyl t-butyl ether (MTBE)	930	100,000	< 11	11	< 17	17	< 8.5	8.5	< 11	11	< 7.2	7.2	< 7.8	7.8	< 10	10	< 8.3	8.3	< 12	12	< 8.7	8.7
Methylene chloride	50	100,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Naphthalene			**1.2**	5.6	**2.9**	8.3	< 4.2	4.2	< 5.7	5.7	**25**	3.6	**0.88**	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
n-Butylbenzene	12,000	100,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
n-Propylbenzene	3,900	100,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
o-Xylene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	**2.3**	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
p-Isopropyltoluene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	**1.5**	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
sec-Butylbenzene	11,000	100,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Styrene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
tert-Butylbenzene	5,900	100,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Tetrachloroethene	1,300	19,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	**1.9**	6.0	< 4.4	4.4
Tetrahydrofuran (THF)			< 11	11	< 17	17	< 8.5	8.5	< 11	11	< 7.2	7.2	< 7.8	7.8	< 10	10	< 8.3	8.3	< 12	12	< 8.7	8.7
Toluene	700	100,000	**0.93**	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	**23**	210	< 3.9	3.9	< 5.1	5.1	**260**	270	< 6.0	6.0	< 4.4	4.4
trans-1,2-Dichloroethene	190	100,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
trans-1,3-Dichloropropene			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
trans-1,4-dichloro-2-butene			< 11	11	< 17	17	< 8.5	8.5	< 11	11	< 7.2	7.2	< 7.8	7.8	< 10	10	< 8.3	8.3	< 12	12	< 8.7	8.7
Trichloroethene	470	21,000	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Trichlorofluoromethane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Trichlorotrifluoroethane			< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
Vinyl chloride	20	900	< 5.6	5.6	< 8.3	8.3	< 4.2	4.2	< 5.7	5.7	< 3.6	3.6	< 3.9	3.9	< 5.1	5.1	< 4.2	4.2	< 6.0	6.0	< 4.4	4.4
1,1,1,2-Tetrachloroethane			< 23	23	< 33	33	< 17	17	< 23	23	< 3.6	3.6	< 16	16	< 20	20	< 17	17	< 6.0	6.0	< 4.4	4.4
Acrolein			< 23	23	< 33	33	< 17	17	< 23	23	< 14	14	< 16	16	< 20	20	< 17	17	< 24	24	< 17	17
Acrylonitrile			< 23	23	< 33	33	< 17	17	< 23	23	< 14	14	< 16	16	< 20	20	< 17	17	< 12	12	< 8.7	8.7
Tert-butyl alcohol			< 110	110	< 170	170	< 85	85	< 110	110	< 72	72	< 78	78	< 100	100	< 83	83	< 120	120	< 87	87
Total BTEX Concentration			**0.93**		**0**		**0.89**		**0**		**31.1**		**0**		**0**		**260**		**0**		**0**	
Total VOCs Concentration			**19.13**		**125.3**		**32.89**		**82.5**		**80.4**		**35.08**		**18**		**305.3**		**18.9**		**32.6**	

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

Bold only - Analyte detected at a concentration above the RL but below its respective guidance value

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 3
391 Meeker Avenue,
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1				B2				B3				B4				B5			
			(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg		(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg		(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg		(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg		(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,2,4,5-Tetrachlorobenzene			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
1,2,4-Trichlorobenzene			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
1,2-Dichlorobenzene			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
1,2-Diphenylhydrazine			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
1,3-Dichlorobenzene			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
1,4-Dichlorobenzene			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
2,4,5-Trichlorophenol			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
2,4,6-Trichlorophenol			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
2,4-Dichlorophenol			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
2,4-Dimethylphenol			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
2,4-Dinitrophenol			< 750	750	< 990	990	< 780	780	< 810	810	< 770	770	< 820	820	< 870	870	< 840	840	< 840	840	< 830	830
2,4-Dinitrotoluene			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
2,6-Dinitrotoluene			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
2-Chloronaphthalene			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
2-Chlorophenol			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
2-Methylnaphthalene			< 260	260	< 350	350	**130**	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
2-Methylphenol (o-cresol)	330	100,000	< 260	260	< 330	330	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
2-Nitroaniline			< 750	750	< 990	990	< 780	780	< 810	810	< 770	770	< 820	820	< 870	870	< 840	840	< 840	840	< 830	830
2-Nitrophenol			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
3&4-Methylphenol (m&p-cresol)			< 260	260	**340**	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
3,3'-Dichlorobenzidine			< 750	750	< 990	990	< 780	780	< 810	810	< 770	770	< 820	820	< 870	870	< 840	840	< 840	840	< 830	830
3-Nitroaniline			< 750	750	< 990	990	< 780	780	< 810	810	< 770	770	< 820	820	< 870	870	< 840	840	< 840	840	< 830	830
4,6-Dinitro-2-methylphenol			< 1900	1,900	< 2500	2,500	< 1900	1,900	< 2000	2,000	< 1900	1,900	< 2100	2,100	< 2200	2,200	< 2100	2,100	< 2100	2,100	< 2100	2,100
4-Bromophenyl phenyl ether			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
4-Chloro-3-methylphenol			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
4-Chloroaniline			< 300	300	< 390	390	< 310	310	< 330	330	< 310	310	< 330	330	< 350	350	< 340	340	< 330	330	< 330	330
4-Chlorophenyl phenyl ether			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
4-Nitroaniline			< 750	750	< 990	990	< 780	780	< 810	810	< 770	770	< 820	820	< 870	870	< 840	840	< 840	840	< 830	830
4-Nitrophenol			< 380	380	< 490	490	< 390	390	< 410	410	< 380	380	< 410	410	< 440	440	< 420	420	< 420	420	< 420	420
Acenaphthene	20,000	100,000	< 260	260	**200**	350	**250**	270	< 290	290	< 270	270	< 290	290	< 300	300	**170**	290	**340**	290	**170**	290
Acenaphthylene	100,000	100,000	< 260	260	< 350	350	**180**	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Acetophenone			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Aniline			< 300	300	< 390	390	< 310	310	< 330	330	< 310	310	< 330	330	< 350	350	< 340	340	< 330	330	< 330	330
Anthracene	100,000	100,000	**270**	260	**440**	350	**680**	270	< 290	290	< 270	270	< 290	290	**230**	300	**390**	290	**650**	290	**320**	290
Benz(a)anthracene	1,000	1,000	**710**	260	**650**	350	**1,400**	270	**180**	290	**270**	270	< 290	290	**680**	300	**1,100**	290	**1,600**	290	**700**	290
Benzidine			< 750	750	< 990	990	< 780	780	< 810	810	< 770	770	< 820	820	< 870	870	< 840	840	< 840	840	< 830	830
Benzo(a)pyrene	1,000	1,000	**600**	260	**500**	350	**1,200**	270	**150**	290	**340**	270	< 290	290	**580**	300	**870**	290	**1,300**	290	**600**	290
Benzo(b)fluoranthene	1,000	1,000	**540**	260	**430**	350	**1,000**	270	< 290	290	**340**	270	< 290	290	**520**	300	**710**	290	**1,100**	290	**480**	290
Benzo(ghi)perylene	100,000	100,000	**360**	260	**270**	350	**700**	270	< 290	290	**320**	270	< 290	290	**350**	300	**480**	290	**800**	290	**340**	290
Benzo(k)fluoranthene	800	3,900	**510**	260	**440**	350	**990**	270	< 290	290	**290**	270	< 290	290	**530**	300	**780**	290	**1,200**	290	**530**	290
Benzoic acid			< 1900	1,900	< 2500	2,500	< 1900	1,900	< 2000	2,000	< 1900	1,900	< 2100	2,100	< 2200	2,200	< 2100	2,100	< 2100	2,100	< 2100	2,100
Benzyl butyl phthalate			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Bis(2-chloroethoxy)methane			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Bis(2-chloroethyl)ether			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Bis(2-chloroisopropyl)ether			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Bis(2-ethylhexyl)phthalate			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Carbazole			< 1900	1,900	< 2500	2,500	< 1900	1,900	< 2000	2,000	< 1900	1,900	< 2100	2,100	< 2200	2,200	< 2100	2,100	< 2100	2,100	< 2100	2,100
Chrysene	1,000	3,900	**720**	260	**640**	350	**1,400**	270	**200**	290	**310**	270	< 290	290	**680**	300	**1,100**	290	**1,600**	290	**750**	290
Dibenz(a,h)anthracene	330	330	< 260	260	< 330	330	**190**	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	**190**	290	< 290	290
Dibenzofuran	7,000		< 260	260	**160**	350	**210**	270	< 290	290	< 270	270	< 290	290	< 300	300	**130**	290	**260**	290	< 290	290
Diethyl phthalate			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Dimethylphthalate			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Di-n-butylphthalate			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Di-n-octylphthalate			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Fluoranthene	100,000	100,000	**1,400**	260	**1,200**	350	**3,100**	270	**450**	290	**430**	270	< 290	290	**1,300**	300	**1,900**	290	**3,200**	290	**1,500**	290
Fluorene	30,000	100,000	< 260	260	**270**	350	**320**	270	< 290	290	< 270	270	< 290	290	< 300	300	**220**	290	**300**	290	**200**	290
Hexachlorobenzene			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Hexachlorobutadiene			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Hexachlorocyclopentadiene			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Hexachloroethane			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Indeno(1,2,3-cd)pyrene	500	500	**390**	260	**300**	350	**780**	270	< 290	290	**310**	270	< 290	290	**380**	300	**540**	290	**870**	290	**360**	290
Isophorone			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Naphthalene	12,000	100,000	< 260	260	**190**	350	**170**	270	< 290	290	< 270	270	< 290	290	< 300	300	**240**	290	**240**	290	**190**	290
Nitrobenzene			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
N-Nitrosodimethylamine			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
N-Nitrosodi-n-propylamine			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	**< 290**	290
N-Nitrosodiphenylamine			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Pentachloronitrobenzene			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Pentachlorophenol	800	6,700	< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Phenanthrene	100,000	100,000	**1,200**	260	**1,600**	350	**2,900**	270	**510**	290	**250**	270	< 290	290	**920**	300	**1,500**	290	**3,000**	290	**1,300**	290
Phenol	330	100,000	< 260	260	< 330	330	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290
Pyrene	100,000	100,000	**1,300**	260	**1,200**	350	**2,700**	270	**410**	290	**410**	270	< 290	290	**1,200**	300	**1,900**	290	**2,900**	290	**1,400**	290
Pyridine			< 260	260	< 350	350	< 270	270	< 290	290	< 270	270	< 290	290	< 300	300	< 290	290	< 290	290	< 290	290

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

Bold only - Analyte detected at a concentration above the RL but below its respective guidance value

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 4
391 Meeker Avenue,
Brooklyn, New York
Soil Analytical Results
Pesticides PCBs

	COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1				B2				B3				B4				B5			
				(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg		(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg		(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg		(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg		(0-2') 1/15/2016 µg/Kg		(8-10') 1/15/2016 µg/Kg	
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Pesticides	4,4' -DDD	3.3	13,000	< 2.3	2.3	< 3.0	3.0	< 2.3	2.3	< 2.4	2.4	< 2.3	2.3	< 2.4	2.4	< 2.6	2.6	< 2.6	2.6	< 2.5	2.5	< 2.5	2.5
	4,4' -DDE	3.3	8,900	< 2.3	2.3	< 3.0	3.0	< 2.3	2.3	< 2.4	2.4	< 2.3	2.3	< 2.4	2.4	< 2.6	2.6	< 2.6	2.6	< 2.5	2.5	< 2.5	2.5
	4,4' -DDT	3.3	7,900	< 50	50	**13**	3.0	< 2.3	2.3	< 2.4	2.4	< 2.3	2.3	< 2.4	2.4	< 2.6	2.6	< 2.6	2.6	< 2.5	2.5	< 2.5	2.5
	a-BHC	20	480	< 7.6	7.6	< 10	10	< 7.7	7.7	< 8.1	8.1	< 7.7	7.7	< 8.1	8.1	< 8.7	8.7	< 8.6	8.6	< 8.3	8.3	< 8.4	8.4
	a-Chlordane	94	4,200	< 3.8	3.8	< 5.0	5.0	< 3.8	3.8	< 4.1	4.1	< 3.9	3.9	< 4.0	4.0	< 4.4	4.4	< 4.3	4.3	< 4.2	4.2	< 4.2	4.2
	Aldrin	5	97	< 3.8	3.8	< 2.5	2.5	< 3.8	3.8	< 4.1	4.1	< 3.9	3.9	< 4.0	4.0	< 4.4	4.4	< 4.3	4.3	< 4.2	4.2	< 4.2	4.2
	b-BHC	36	360	< 7.6	7.6	< 10	10	< 7.7	7.7	< 8.1	8.1	< 7.7	7.7	< 8.1	8.1	< 8.7	8.7	< 8.6	8.6	< 8.3	8.3	< 15	15
	Chlordane	94	4,200	< 38	38	< 50	50	< 38	38	< 41	41	< 39	39	< 40	40	< 44	44	< 43	43	< 42	42	< 42	42
	d-BHC	40	100,000	< 7.6	7.6	< 10	10	< 7.7	7.7	< 8.1	8.1	< 7.7	7.7	< 8.1	8.1	< 8.7	8.7	< 8.6	8.6	< 8.3	8.3	< 8.4	8.4
	Dieldrin	5	200	< 8.0	8.0	< 2.5	2.5	< 3.8	3.8	< 4.1	4.1	< 3.9	3.9	< 4.0	4.0	< 4.4	4.4	< 4.3	4.3	< 4.2	4.2	< 4.2	4.2
	Endosulfan I	2,400	24,000	< 7.6	7.6	< 10	10	< 7.7	7.7	< 8.1	8.1	< 7.7	7.7	< 8.1	8.1	< 8.7	8.7	< 8.6	8.6	< 8.3	8.3	< 8.4	8.4
	Endosulfan II	2,400	24,000	< 7.6	7.6	< 10	10	< 7.7	7.7	< 8.1	8.1	< 7.7	7.7	< 8.1	8.1	< 8.7	8.7	< 8.6	8.6	< 8.3	8.3	< 8.4	8.4
	Endosulfan sulfate	2,400	24,000	< 7.6	7.6	< 10	10	< 7.7	7.7	< 8.1	8.1	< 7.7	7.7	< 8.1	8.1	< 8.7	8.7	< 8.6	8.6	< 8.3	8.3	< 8.4	8.4
	Endrin	14	11,000	< 7.6	7.6	< 10	10	< 7.7	7.7	< 8.1	8.1	< 7.7	7.7	< 8.1	8.1	< 8.7	8.7	< 8.6	8.6	< 8.3	8.3	< 8.4	8.4
	Endrin aldehyde			< 7.6	7.6	< 10	10	< 7.7	7.7	< 8.1	8.1	< 7.7	7.7	< 8.1	8.1	< 8.7	8.7	< 8.6	8.6	< 8.3	8.3	< 8.4	8.4
	Endrin ketone			< 7.6	7.6	< 10	10	< 7.7	7.7	< 8.1	8.1	< 7.7	7.7	< 8.1	8.1	< 8.7	8.7	< 8.6	8.6	< 8.3	8.3	< 8.4	8.4
	g-BHC			< 1.5	1.5	< 2.0	2.0	< 1.5	1.5	< 1.6	1.6	< 1.5	1.5	< 1.6	1.6	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7	< 1.7	1.7
	g-Chlordane			< 3.8	3.8	< 5.0	5.0	< 3.8	3.8	< 4.1	4.1	< 3.9	3.9	< 4.0	4.0	< 4.4	4.4	< 4.3	4.3	< 4.2	4.2	< 4.2	4.2
	Heptachlor	42	2,100	< 7.6	7.6	< 10	10	< 7.7	7.7	< 8.1	8.1	< 7.7	7.7	< 8.1	8.1	< 8.7	8.7	< 8.6	8.6	< 8.3	8.3	< 8.4	8.4
	Heptachlor epoxide			< 7.6	7.6	< 10	10	< 7.7	7.7	< 8.1	8.1	< 7.7	7.7	< 8.1	8.1	< 8.7	8.7	< 8.6	8.6	< 8.3	8.3	< 8.4	8.4
	Methoxychlor			< 38	38	< 50	50	< 38	38	< 41	41	< 39	39	< 40	40	< 44	44	< 43	43	< 42	42	< 42	42
	Toxaphene			< 150	150	< 200	200	< 150	150	< 160	160	< 150	150	< 160	160	< 170	170	< 170	170	< 170	170	< 170	170
PCBs	PCB-1016	100	1,000	< 38	38	< 50	50	< 38	38	< 41	41	< 39	39	< 40	40	< 44	44	< 43	43	< 42	42	< 42	42
	PCB-1221	100	1,000	< 38	38	< 50	50	< 38	38	< 41	41	< 39	39	< 40	40	< 44	44	< 43	43	< 42	42	< 42	42
	PCB-1232	100	1,000	< 38	38	< 50	50	< 38	38	< 41	41	< 39	39	< 40	40	< 44	44	< 43	43	< 42	42	< 42	42
	PCB-1242	100	1,000	< 38	38	< 50	50	< 38	38	< 41	41	< 39	39	< 40	40	< 44	44	< 43	43	< 42	42	< 42	42
	PCB-1248	100	1,000	**(*)**	38	< 50	50	< 38	38	< 41	41	< 39	39	< 40	40	< 44	44	< 43	43	< 42	42	< 42	42
	PCB-1254	100	1,000	**670**	38	< 50	50	< 38	38	< 41	41	< 39	39	< 40	40	< 44	44	< 43	43	< 42	42	< 42	42
	PCB-1260	100	1,000	**(*)**	38	**120**	50	**53**	38	< 41	41	**59**	39	< 40	40	< 44	44	< 43	43	< 42	42	< 42	42
	PCB-1262	100	1,000	< 38	38	< 50	50	< 38	38	< 41	41	< 39	39	< 40	40	< 44	44	< 43	43	< 42	42	< 42	42
	PCB-1268	100	1,000	< 38	38	< 50	50	< 38	38	< 41	41	< 39	39	< 40	40	< 44	44	< 43	43	< 42	42	< 42	42

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL- Reporting Limit

(*) - Multiple Aroclor's of PCBs were present and the Aroclor was no longer recognizable. Quantitation was performed by comparing the total area of the PCB pattern to the Aroclor it closely resembles. The PCB pattern in this case did not resemble any of the standards but mostly resembled a mixture of the Aroclors 1248, 1254 and 1260. This PCB is quantified as a timed group and is reported as the Aroclor 1254.

Bold only - Analyte detected at a concentration above the RL but below its respective guidance value

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

TABLE 5
391 Meeker Avenue,
Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives*	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	B1				B2				B3				B4				B5			
			(0-2') 1/15/2016 mg/Kg		(8-10') 1/15/2016 mg/Kg		(0-2') 1/15/2016 mg/Kg		(8-10') 1/15/2016 mg/Kg		(0-2') 1/15/2016 mg/Kg		(8-10') 1/15/2016 mg/Kg		(0-2') 1/15/2016 mg/Kg		(8-10') 1/15/2016 mg/Kg		(0-2') 1/15/2016 mg/Kg		(8-10') 1/15/2016 mg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			8,930	36	7,730	53	8,550	40	10,200	39	7,990	38	10,300	41	7,260	43	12,300	46	7,400	40	8,540	42
Antimony			2.3	1.8	< 2.6	2.6	6.5	2.0	< 1.9	1.9	11.8	1.9	< 2.0	2.0	< 2.1	2.1	< 2.3	2.3	7.1	2.0	< 2.1	2.1
Arsenic	13	16	7.9	0.7	9.4	1.1	9.1	0.8	2.9	0.8	7.7	0.8	4.5	0.8	11	0.9	3.9	0.9	**17.9**	0.8	5	0.8
Barium	350	350	157	0.7	191	1.1	172	0.8	82.1	0.8	139	0.8	80	0.8	225	0.9	110	0.9	272	0.8	112	0.8
Beryllium	7.2	14	0.55	0.29	0.5	0.42	0.53	0.32	0.51	0.31	0.47	0.30	0.49	0.32	0.64	0.34	0.49	0.37	0.57	0.32	0.45	0.34
Cadmium	2.5	2.5	0.7	0.36	0.64	0.53	0.53	0.40	0.19	0.39	0.76	0.38	0.31	0.41	0.92	0.43	< 0.46	0.46	1.09	0.40	0.22	0.42
Calcium			5,120	3.6	5,400	5.3	8,270	4.0	2,220	3.9	9,360	3.8	3,820	4.1	14,400	43	2,700	4.6	7,740	4.0	4,280	4.2
Chromium	30	180	23.4	0.36	16.7	0.53	20.8	0.40	19.9	0.39	19.6	0.38	20.8	0.41	17	0.43	19.7	0.46	21.9	0.40	16.2	0.42
Cobalt			8.15	0.36	7.48	0.53	8.77	0.40	8.52	0.39	8.82	0.38	8.7	0.41	9.76	0.43	6.65	0.46	10.3	0.40	5.67	0.42
Copper	50	270	**88.1**	0.36	**66.9**	0.53	**144**	0.40	22.7	0.39	**180**	3.8	22.5	0.41	**69.6**	0.43	20	0.46	**196**	4.0	29	0.42
Iron			22,600	36	18,800	53	21,400	40	17,600	39	22,400	38	22,000	41	11,600	43	17,300	46	28,500	40	14,600	42
Lead	63	400	**462**	7.3	**327**	11	**496**	7.9	**71.5**	0.8	**629**	7.6	**94**	0.8	**550**	8.5	**83.3**	0.9	**1,370**	8.0	**167**	0.8
Magnesium			2,070	3.6	1,450	5.3	2,030	4.0	2,220	3.9	2,200	3.8	2,220	4.1	960	4.3	2,190	4.6	1,260	4.0	1,660	4.2
Manganese	1,600	2,000	371	3.9	324	5.3	428	4.0	297	3.9	415	3.8	430	4.1	244	4.3	218	4.6	251	4.0	399	4.2
Mercury	0.18	0.81	**1.24**	0.03	**3.7**	0.35	**1.75**	0.28	**0.73**	0.03	**2.85**	0.28	0.13	0.03	**1.5**	0.35	**0.55**	0.03	**4.08**	0.32	**0.88**	0.03
Nickel	30	140	14.7	0.36	14.6	0.53	23.9	0.40	13.1	0.39	16.2	0.38	13.1	0.41	19.1	0.43	10.7	0.46	20.9	0.40	10.5	0.42
Potassium			1,260	7	1,080	11	1,560	8	1,370	8	1,350	8	1,300	8	1,380	9	1,100	9	1,180	8	885	8
Selenium	3.9	36	< 1.5	1.5	< 2.1	2.1	< 1.6	1.6	< 1.5	1.5	< 1.5	1.5	< 1.6	1.6	< 1.7	1.7	< 1.8	1.8	< 1.6	1.6	< 1.7	1.7
Silver	2	36	< 0.36	0.36	< 0.53	0.53	< 0.40	0.40	< 0.39	0.39	< 0.38	0.38	< 0.41	0.41	< 0.43	0.43	< 0.46	0.46	< 0.40	0.40	< 0.42	0.42
Sodium			242	7	270	11	405	8	143	8	262	8	137	8	1,010	9	111	9	381	8	149	8
Thallium			< 1.5	1.5	< 2.1	2.1	< 1.6	1.6	< 1.5	1.5	< 1.5	1.5	< 1.6	1.6	< 1.7	1.7	< 1.8	1.8	< 1.6	1.6	< 1.7	1.7
Vanadium			30.9	0.4	25.6	0.5	27.9	0.4	31.8	0.4	29	0.4	31.9	0.4	33.1	0.4	26.8	0.5	34.9	0.4	21.9	0.4
Zinc	109	2,200	**310**	7.9	**204**	1.1	**201**	7.9	56.9	0.8	**272**	7.6	69.1	0.8	**638**	8.5	74.3	0.9	**460**	8.0	93.6	0.8

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL- Reporting Limit

Bold only - Analyte detected at a concentration above the RL but below its respective guidance value

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

Table 6
391 Meeker Avenue,
Brooklyn, New York
Ground Water Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standard (µg/L)	MW1 1/22/2016 (µg/L)		MW2 1/22/2016 (µg/L)		MW3 1/22/2016 (µg/L)		Groundwater Duplicate 1/22/2016 (µg/L)		Trip Blank 1/22/2016	
		Results	RL	Results	RL	Results	RL	Results	RL	Results	RL
1,1,1,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1,2,2-Tetrachloroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,1-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloropropene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichloropropane	0.04	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromoethane	0.0006	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dichloroethane	0.6	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3,5-Trimethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichlorobenzene	3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,3-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,2-Dichloropropane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Hexanone	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
2-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chlorotoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Methyl-2-pentanone		< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Acetone	50	**5.5**	5.0	**5.7**	5.0	**5.4**	5.0	**5.1**	5.0	**3.4**	5.0
Acrolein	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromobenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromochloromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane	50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromoform	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bromomethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbon Disulfide		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroethane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloroform	7	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Chloromethane	5	< 5.0	5.0	< 5.0	5.0	**0.31**	5.0	< 5.0	5.0	< 5.0	5.0
cis-1,2-Dichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Dibromochloromethane	50	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dibromomethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Isopropylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
m&p-Xylene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methyl ethyl ketone	50	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methyl t-butyl ether (MTBE)		**82**	5.0	**2.8**	1.0	**2.3**	1.0	**2.3**	1.0	< 1.0	1.0
Methylene chloride	5	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
Naphthalene	10	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
n-Propylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
o-Xylene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
p-Isopropyltoluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
sec-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Styrene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
tert-Butylbenzene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrachloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tetrahydrofuran (THF)	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Toluene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
trans-1,3-Dichloropropene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
trans-1,4-dichloro-2-butene	5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Trichloroethene	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorofluoromethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Vinyl chloride	2	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0

Notes:
RL- Reporting Limit
Bold only - Analyte detected at a concentration above the RL but below its respective guidance value

TABLE 7
391 Meeker Avenue,
Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standard (µg/L)	MW1 1/22/2016 (µg/L)		MW2 1/22/2016 (µg/L)		MW3 1/22/2016 (µg/L)		Groundwater Dublicate 1/22/2016 (µg/L)	
		Results	RL	Results	RL	Results	RL	Results	RL
1,2,4-Trichlorobenzene		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,2-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Diphenylhydrazine		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
1,3-Dichlorobenzene	3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,4-Dichlorobenzene		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4,5-Trichlorophenol	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4,6-Trichlorophenol	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4-Dichlorophenol	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4-Dimethylphenol	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4-Dinitrophenol	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4-Dinitrotoluene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2,6-Dinitrotoluene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Chloronaphthalene	10	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Chlorophenol	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Methylnaphthalene		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Methylphenol (o-cresol)	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Nitrophenol	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
3&4-Methylphenol (m&p-cresol)		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
3,3'-Dichlorobenzidine	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
3-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4,6-Dinitro-2-methylphenol	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Bromophenyl phenyl ether		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4-Chloro-3-methylphenol	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chloroaniline	5	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5
4-Chlorophenyl phenyl ether		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4-Nitrophenol	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Acenaphthene	20	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acetophenone		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Aniline	5	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5	< 3.5	3.5
Anthracene	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzidine	5	< 4.5	4.5	< 4.5	4.5	< 4.5	4.5	< 4.5	4.5
Benzoic acid		< 25	25	< 25	25	< 25	25	< 25	25
Benzyl butyl phthalate	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bis(2-chloroethoxy)methane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bis(2-chloroethyl)ether	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bis(2-chloroisopropyl)ether		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Carbazole		< 25	25	< 25	25	< 25	25	< 25	25
Dibenzofuran		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Diethyl phthalate	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Dimethylphthalate	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Di-n-butylphthalate	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Di-n-octylphthalate	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Fluoranthene	50	< 5.0	5.0	< 5.0	5.0	**2.6**	5.0	< 5.0	5.0
Fluorene	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Hexachlorocyclopentadiene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Isophorone	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Naphthalene	10	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
N-Nitrosodimethylamine		< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
N-Nitrosodi-n-propylamine		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
N-Nitrosodiphenylamine	50	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Phenol	1	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Pyrene	50	< 5.0	5.0	< 5.0	5.0	**2.4**	5.0	< 5.0	5.0
Pyridine	50	< 10	10	< 10	10	< 10	10	< 10	10
1,2,4,5-Tetrachlorobenzene		< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Acenaphthylene		< 0.10	0.10	< 0.10	0.10	< 0.10	0.10	< 0.10	0.10
Benz(a)anthracene	0.002	**0.26**	0.02	**0.07**	0.02	**1.5**	0.02	**0.77**	0.02
Benzo(a)pyrene	0.002	**0.28**	0.02	**0.07**	0.02	**1.7**	0.02	**0.49**	0.02
Benzo(b)fluoranthene	0.002	**0.2**	0.02	**0.05**	0.02	**1.1**	0.02	**0.61**	0.02
Benzo(ghi)perylene		**0.09**	0.02	**0.03**	0.02	**0.58**	0.02	**0.25**	0.02
Benzo(k)fluoranthene	0.002	**0.19**	0.02	**0.06**	0.02	**1**	0.02	**0.54**	0.02
Bis(2-ethylhexyl)phthalate	5	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chrysene	0.002	**0.22**	0.02	**0.06**	0.02	**1.3**	0.02	**0.7**	0.02
Dibenz(a,h)anthracene		< 0.02	0.02	**0.02**	0.02	**0.13**	0.02	**0.15**	0.02
Hexachlorobenzene	0.04	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02	< 0.02	0.02
Hexachlorobutadiene	0.5	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Hexachloroethane	5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Indeno(1,2,3-cd)pyrene	0.002	**0.13**	0.02	**0.05**	0.02	**0.81**	0.02	**0.38**	0.02
Nitrobenzene	0.4	< 0.10	0.10	< 0.10	0.10	< 0.10	0.10	< 0.10	0.10
Pentachloronitrobenzene		< 0.10	0.10	< 0.10	0.10	< 0.10	0.10	< 0.10	0.10
Pentachlorophenol	1	< 0.80	0.80	< 0.80	0.80	< 0.80	0.80	< 0.80	0.80
Phenanthrene	50	**0.42**	0.10	< 0.10	0.10	**1.6**	0.10	**1**	0.10

Notes:

RL- Reporting Limit

Bold only - Analyte detected at a concentration above the RL but below its respective guidance value

Bold/highlighted- Indicated exceedance of both NYSDEC Class GA Groundwater Standard

TABLE 8
391 Meeker Avenue,
Brooklyn, New York
Groundwater Analytical Results
Pesticides/PCBs

	Compound	NYSDEC Groundwater Quality Standard (µg/L)	MW1 1/22/2016 (µg/L)		MW2 1/22/2016 (µg/L)		MW3 1/22/2016 (µg/L)		Groundwater Duplicate 1/22/2016 (µg/L)	
			Results	RL	Results	RL	Results	RL	Results	RL
PCBs	PCB-1016	0.09	< 0.25	0.25	< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
	PCB-1221	0.09	< 0.25	0.25	< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
	PCB-1232	0.09	< 0.25	0.25	< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
	PCB-1242	0.09	< 0.25	0.25	< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
	PCB-1248	0.09	< 0.25	0.25	< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
	PCB-1254	0.09	**2.1**	0.25	< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
	PCB-1260	0.09	< 0.25	0.25	< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
	PCB-1262		< 0.25	0.25	< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
	PCB-1268		< 0.25	0.25	< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
Pesticides	4,4-DDD	0.3	< 0.014	0.014	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010
	4,4-DDE	0.2	< 0.020	0.020	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010
	4,4-DDT	0.2	< 0.21	0.21	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010
	a-BHC	0.01	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
	a-Chlordane		< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010
	Alachlor	0.5	< 0.075	0.075	< 0.075	0.075	< 0.075	0.075	< 0.075	0.075
	Aldrin		< 0.004	0.004	< 0.004	0.004	< 0.002	0.002	< 0.002	0.002
	b-BHC	0.04	< 0.018	0.018	< 0.015	0.015	< 0.005	0.005	< 0.005	0.005
	Chlordane	0.05	< 0.10	0.10	< 0.050	0.050	< 0.050	0.050	< 0.050	0.050
	d-BHC	0.04	< 0.005	0.005	< 0.007	0.007	< 0.005	0.005	< 0.005	0.005
	Dieldrin	0.004	< 0.014	0.014	< 0.002	0.002	< 0.002	0.002	**0.011**	0.002
	Endosulfan I		< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010
	Endosulfan II		< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010
	Endosulfan Sulfate		< 0.040	0.040	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010
	Endrin		< 0.025	0.025	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010
	Endrin aldehyde	5	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010
	Endrin ketone	5	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010
	gamma-BHC	0.05	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
	g-Chlordane		< 0.088	0.088	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010
	Heptachlor	0.04	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010
	Heptachlor epoxide	0.03	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010	< 0.010	0.010
	Methoxychlor	35	< 0.10	0.10	< 0.10	0.10	< 0.10	0.10	< 0.10	0.10
	Toxaphene	0.06	< 0.25	0.25	< 0.25	0.25	< 0.20	0.20	< 0.25	0.25

Notes:
RL- Reporting limit
Bold/highlighted- Indicated exceedance of both NYSDEC Class GA Groundwater Standard

Table 9
391 Meeker Avenue,
Brooklyn, New York
Groundwater Analytical Results
Dissolved Metals and TAL Filtered Metals

Compound	NYSDEC Groundwater Standards	MW1 1/22/2016 (mg/L)		MW2 1/22/2016 (mg/L)		MW3 1/22/2016 (mg/L)		Groundwater Duplicate 1/22/2016 (mg/L)	
(Total Metals)	(mg/L)	Results	RL	Results	RL	Results	RL	Results	RL
Aluminum	0.1	**684**	1.0	**4.13**	0.010	**5.81**	0.010	**6.01**	0.010
Antimony	0.003	**0.003**	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Arsenic	0.025	**0.965**	0.004	**0.006**	0.004	< 0.004	0.004	< 0.004	0.004
Barium	1	**8.93**	0.010	**0.236**	0.010	**0.235**	0.010	**0.22**	0.010
Beryllium	0.003	**0.047**	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	**0.019**	0.004	**0.001**	0.004	**0.001**	0.004	< 0.004	0.004
Calcium	NS	**760**	0.10	**174**	0.10	**275**	0.10	**273**	0.10
Chromium	0.05	**1.84**	0.001	**0.008**	0.001	**0.011**	0.001	**0.011**	0.001
Cobalt	NS	**0.565**	0.005	**0.003**	0.005	**0.004**	0.005	**0.004**	0.005
Copper	0.2	**6.01**	0.050	**0.013**	0.005	**0.024**	0.005	**0.023**	0.005
Iron	0.3	**1,270**	1.0	**26.1**	0.01	**27.6**	0.01	**26.8**	0.01
Lead	0.025	**24**	0.20	**0.083**	0.002	**0.097**	0.002	**0.092**	0.002
Magnesium	35	**219**	0.10	**21.4**	0.01	**21.9**	0.01	**21.2**	0.01
Manganese	0.3	**23.5**	0.50	**0.991**	0.005	**1.83**	0.005	**1.77**	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	**1.08**	0.004	**0.005**	0.004	**0.008**	0.004	**0.008**	0.004
Potassium	NS	**118**	1.0	**51.7**	1.0	**44.6**	0.1	**44.4**	0.1
Selenium	0.01	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Silver	0.05	**0.029**	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	20	**171**	1.0	**62.2**	1.0	**69.2**	1.0	**68.9**	1.0
Thallium	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium	NS	**2.52**	0.10	**0.01**	0.010	**0.014**	0.010	**0.014**	0.010
Zinc	5	**29.1**	1.0	**0.042**	0.010	**0.05**	0.010	**0.054**	0.010

Compound	NYSDEC Groundwater Quality Standards	MW1 1/22/2016 (mg/L)		MW2 1/22/2016 (mg/L)		MW3 1/22/2016 (mg/L)		Groundwater Duplicate 1/22/2016 (mg/L)	
(Dissolved Metals)	(mg/L)	Results	RL	Results	RL	Results	RL	Results	RL
Aluminum	NS	< 0.011	0.011	**0.011**	0.011	< 0.011	0.011	< 0.011	0.011
Antimony	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	0.025	**0.005**	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Barium	1	**0.162**	0.011	**0.116**	0.011	**0.128**	0.011	**0.124**	0.011
Beryllium	0.003	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium	NS	**165**	0.11	**199**	0.11	**295**	0.11	**294**	0.11
Chromium	0.05	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cobalt	NS	**0.003**	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Copper	0.2	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Iron	0.5	**0.04**	0.01	**0.02**	0.01	**0.23**	0.01	**0.03**	0.01
Lead	0.025	**0.002**	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Magnesium	35	**70.4**	0.01	**23.5**	0.01	**20.4**	0.01	**22**	0.01
Manganese	0.3	**0.507**	0.005	**0.751**	0.005	**1.54**	0.005	**1.61**	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	**0.002**	0.004	< 0.004	0.004	**0.001**	0.004	**0.001**	0.004
Potassium	NS	**31.8**	0.1	**44.4**	0.1	**35.2**	0.1	**35.8**	0.1
Selenium	0.01	< 0.004	0.004	**0.003**	0.004	< 0.004	0.004	< 0.004	0.004
Silver	0.05	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	2	**129**	1.1	**61.5**	1.1	**65.6**	1.1	**64.8**	1.1
Thallium	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium	NS	< 0.011	0.011	< 0.011	0.011	< 0.011	0.011	< 0.011	0.011
Zinc	2	**0.01**	0.011	**0.002**	0.011	**0.004**	0.011	**0.003**	0.011

Notes:
RL- Reporting limit
NS - No Standard
Bold only - Analyte detected at a concentration above the RL but below its respective guidance value
Bold/highlighted - Indicated exceedance of the NYSDEC Groundwater Standard

Table 9
391 Meeker Avenue,
Brooklyn, New York
Groundwater Analytical Results
Dissolved Metals and TAL Filtered Metals

Compound	NYSDEC Groundwater Standards	MW1 1/22/2016 (mg/L)		MW2 1/22/2016 (mg/L)		MW3 1/22/2016 (mg/L)		Groundwater Duplicate 1/22/2016 (mg/L)	
(Total Metals)	(mg/L)	Results	RL	Results	RL	Results	RL	Results	RL
Aluminum	0.1	**684**	1.0	**4.13**	0.010	**5.81**	0.010	**6.01**	0.010
Antimony	0.003	**0.003**	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Arsenic	0.025	**0.965**	0.004	**0.006**	0.004	< 0.004	0.004	< 0.004	0.004
Barium	1	**8.93**	0.010	**0.236**	0.010	**0.235**	0.010	**0.22**	0.010
Beryllium	0.003	**0.047**	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	**0.019**	0.004	**0.001**	0.004	**0.001**	0.004	< 0.004	0.004
Calcium	NS	**760**	0.10	**174**	0.10	**275**	0.10	**273**	0.10
Chromium	0.05	**1.84**	0.001	**0.008**	0.001	**0.011**	0.001	**0.011**	0.001
Cobalt	NS	**0.565**	0.005	**0.003**	0.005	**0.004**	0.005	**0.004**	0.005
Copper	0.2	**6.01**	0.050	**0.013**	0.005	**0.024**	0.005	**0.023**	0.005
Iron	0.3	**1,270**	1.0	**26.1**	0.01	**27.6**	0.01	**26.8**	0.01
Lead	0.025	**24**	0.20	**0.083**	0.002	**0.097**	0.002	**0.092**	0.002
Magnesium	35	**219**	0.10	**21.4**	0.01	**21.9**	0.01	**21.2**	0.01
Manganese	0.3	**23.5**	0.50	**0.991**	0.005	**1.83**	0.005	**1.77**	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	**1.08**	0.004	**0.005**	0.004	**0.008**	0.004	**0.008**	0.004
Potassium	NS	**118**	1.0	**51.7**	1.0	**44.6**	0.1	**44.4**	0.1
Selenium	0.01	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Silver	0.05	**0.029**	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	20	**171**	1.0	**62.2**	1.0	**69.2**	1.0	**68.9**	1.0
Thallium	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium	NS	**2.52**	0.10	**0.01**	0.010	**0.014**	0.010	**0.014**	0.010
Zinc	5	**29.1**	1.0	**0.042**	0.010	**0.05**	0.010	**0.054**	0.010

Compound	NYSDEC Groundwater Quality Standards	MW1 1/22/2016 (mg/L)		MW2 1/22/2016 (mg/L)		MW3 1/22/2016 (mg/L)		Groundwater Duplicate 1/22/2016 (mg/L)	
(Dissolved Metals)	(mg/L)	Results	RL	Results	RL	Results	RL	Results	RL
Aluminum	NS	< 0.011	0.011	**0.011**	0.011	< 0.011	0.011	< 0.011	0.011
Antimony	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Arsenic	0.025	**0.005**	0.003	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003
Barium	1	**0.162**	0.011	**0.116**	0.011	**0.128**	0.011	**0.124**	0.011
Beryllium	0.003	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium	NS	**165**	0.11	**199**	0.11	**295**	0.11	**294**	0.11
Chromium	0.05	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cobalt	NS	**0.003**	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Copper	0.2	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Iron	0.5	**0.04**	0.01	**0.02**	0.01	**0.23**	0.01	**0.03**	0.01
Lead	0.025	**0.002**	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Magnesium	35	**70.4**	0.01	**23.5**	0.01	**20.4**	0.01	**22**	0.01
Manganese	0.3	**0.507**	0.005	**0.751**	0.005	**1.54**	0.005	**1.61**	0.005
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	**0.002**	0.004	< 0.004	0.004	**0.001**	0.004	**0.001**	0.004
Potassium	NS	**31.8**	0.1	**44.4**	0.1	**35.2**	0.1	**35.8**	0.1
Selenium	0.01	< 0.004	0.004	**0.003**	0.004	< 0.004	0.004	< 0.004	0.004
Silver	0.05	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	2	**129**	1.1	**61.5**	1.1	**65.6**	1.1	**64.8**	1.1
Thallium	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium	NS	< 0.011	0.011	< 0.011	0.011	< 0.011	0.011	< 0.011	0.011
Zinc	2	**0.01**	0.011	**0.002**	0.011	**0.004**	0.011	**0.003**	0.011

Notes:
RL- Reporting limit
NS - No Standard
Bold only - Analyte detected at a concentration above the RL but below its respective guidance value
Bold/highlighted - Indicated exceedance of the NYSDEC Groundwater Standard

TABLE 10
391 Meeker Avenue,
Brooklyn, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Soil Background Levels ($\mu g/m^3$) (b)	SV1 1/22/2016 (µg/m3)		SV2 1/22/2016 (µg/m3)		SV3 1/22/2016 (µg/m3)		SV4 1/22/2016 (µg/m3)	
		Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane		< 0.146	0.146	< 0.146	0.146	< 43.7	43.7	< 0.146	0.146
1,1,1-Trichloroethane	<2.0 - 2.8	< 0.183	0.183	**0.195**	0.183	< 55.0	55.0	**0.399**	0.183
1,1,2,2-Tetrachloroethane	<1.5	< 0.146	0.146	< 0.146	0.146	< 43.7	43.7	< 0.146	0.146
1,1,2-Trichloroethane	<1.0	< 0.183	0.183	< 0.183	0.183	< 55.0	55.0	< 0.183	0.183
1,1-Dichloroethane	<1.0	< 0.247	0.247	< 0.247	0.247	< 74.2	74.2	< 0.247	0.247
1,1-Dichloroethene	<1.0	< 0.252	0.252	< 0.252	0.252	< 75.7	75.7	< 0.252	0.252
1,2,4-Trichlorobenzene	NS	< 0.135	0.135	< 0.135	0.135	< 40.4	40.4	< 0.135	0.135
1,2,4-Trimethylbenzene	<1.0	< 0.204	0.204	< 0.204	0.204	< 61.1	61.1	**0.236**	0.204
1,2-Dibromoethane(EDB)	<1.5	< 0.130	0.130	< 0.130	0.130	< 39.1	39.1	< 0.130	0.130
1,2-Dichlorobenzene	<2.0	< 0.166	0.166	< 0.166	0.166	< 49.9	49.9	< 0.166	0.166
1,2-Dichloroethane	<1.0	< 0.247	0.247	< 0.247	0.247	< 74.2	74.2	< 0.247	0.247
1,2-dichloropropane		< 0.217	0.217	< 0.217	0.217	< 65.0	65.0	< 0.217	0.217
1,2-Dichlorotetrafluoroethane		< 0.143	0.143	< 0.143	0.143	< 42.9	42.9	< 0.143	0.143
1,3,5-Trimethylbenzene	<1.0	< 0.204	0.204	< 0.204	0.204	< 61.1	61.1	< 0.204	0.204
1,3-Butadiene	NS	< 0.452	0.452	< 0.452	0.452	< 136	136	< 0.452	0.452
1,3-Dichlorobenzene	<2.0	< 0.166	0.166	< 0.166	0.166	< 49.9	49.9	< 0.166	0.166
1,4-Dichlorobenzene	NS	< 0.166	0.166	< 0.166	0.166	< 49.9	49.9	< 0.166	0.166
1,4-Dioxane		< 0.278	0.278	< 0.278	0.278	< 83.3	83.3	< 0.278	0.278
2-Hexanone(MBK)		< 0.244	0.244	< 0.244	0.244	< 73.3	73.3	< 0.244	0.244
4-Ethyltoluene	NS	< 0.204	0.204	< 0.204	0.204	< 61.1	61.1	< 0.204	0.204
4-Isopropyltoluene		< 0.182	0.182	< 0.182	0.182	< 54.7	54.7	< 0.182	0.182
4-Methyl-2-pentanone(MIBK)		**0.381**	0.244	< 0.244	0.244	< 73.3	73.3	< 0.244	0.244
Acetone	NS	**34.7**	0.421	**14.9**	0.421	**638**	126	**77.6**	2.11
Acrylonitrile		< 0.461	0.461	< 0.461	0.461	< 138	138	< 0.461	0.461
Benzene	<1.6 - 4.7	**0.571**	0.313	< 0.313	0.313	**8,850**	94.0	**3.05**	0.313
Benzyl chloride	NS	< 0.193	0.193	< 0.193	0.193	< 58.0	58.0	< 0.193	0.193
Bromodichloromethane	<5.0	< 0.149	0.149	< 0.149	0.149	< 44.8	44.8	< 0.149	0.149
Bromoform	<1.0	< 0.097	0.097	< 0.097	0.097	< 29.0	29.0	< 0.097	0.097
Bromomethane	<1.0	< 0.258	0.258	< 0.258	0.258	< 77.3	77.3	< 0.258	0.258
Carbon Disulfide	NS	< 0.321	0.321	< 0.321	0.321	< 96.4	96.4	< 0.321	0.321
Carbon Tetrachloride	<3.1	**0.072**	0.040	< 0.040	0.040	< 11.9	11.9	< 0.040	0.040
Chlorobenzene	<2.0	< 0.217	0.217	< 0.217	0.217	< 65.2	65.2	< 0.217	0.217
Chloroethane	NS	< 0.379	0.379	< 0.379	0.379	< 114	114	< 0.379	0.379
Chloroform	<2.4	< 0.205	0.205	< 0.205	0.205	< 61.5	61.5	< 0.205	0.205
Chloromethane	<1.0 - 1.4	< 0.485	0.485	< 0.485	0.485	< 145	145	< 0.485	0.485
Cis-1,2-Dichloroethene	<1.0	< 0.252	0.252	< 0.252	0.252	< 75.7	75.7	< 0.252	0.252
cis-1,3-Dichloropropene	NS	< 0.221	0.221	< 0.221	0.221	< 66.1	66.1	< 0.221	0.221
Cyclohexane	NS	**0.852**	0.291	< 0.291	0.291	**34,000**	872	**10.9**	0.291
Dibromochloromethane	<5.0	< 0.118	0.118	< 0.118	0.118	< 35.2	35.2	< 0.118	0.118
Dichlorodifluoromethane	NS	**0.522**	0.202	**0.437**	0.202	< 60.7	60.7	**0.471**	0.202
Ethanol		**18.8**	0.531	**16.3**	0.531	**1,300**	159	**20.2**	0.531
Ethyl acetate	NS	**0.371**	0.278	**0.397**	0.278	< 83.3	83.3	**0.508**	0.278
Ethylbenzene	<4.3	**0.425**	0.230	**0.237**	0.230	**87.9**	69.1	**2.98**	0.230
Heptane	NS	**5.69**	0.244	< 0.244	0.244	**42,000**	732	**96.7**	1.22
Hexachlorobutadiene	NS	< 0.094	0.094	< 0.094	0.094	< 28.1	28.1	< 0.094	0.094
Hexane	<1.5	**0.595**	0.284	< 0.284	0.284	**46,100**	852	**5.91**	0.284
Isopropylalcohol	NS	**8.75**	0.407	**7.62**	0.407	**193**	122	**9.34**	0.407
Isopropylbenzene		< 0.204	0.204	< 0.204	0.204	< 61.1	61.1	< 0.204	0.204
m,p-Xylene	<4.3	**1.17**	0.230	**0.734**	0.230	**158**	69.1	**6.7**	0.230
Methyl Ethyl Ketone		**0.544**	0.339	< 0.339	0.339	< 102	102	**1.11**	0.339
Methyl tert-butyl ether(MTBE)	NS	< 0.278	0.278	< 0.278	0.278	< 83.3	83.3	< 0.278	0.278
Methylene Chloride	<3.4	< 0.288	0.288	< 0.288	0.288	**150**	86.4	< 0.288	0.288
n-Butylbenzene		< 0.182	0.182	< 0.182	0.182	< 54.7	54.7	< 0.182	0.182
o-Xylene	<4.3	**0.373**	0.230	**0.252**	0.230	< 69.1	69.1	**1.61**	0.230
Propylene	NS	< 0.581	0.581	< 0.581	0.581	**3,080**	174	< 0.581	0.581
sec-Butylbenzene		< 0.182	0.182	< 0.182	0.182	< 54.7	54.7	< 0.182	0.182
Styrene	<1.0	< 0.235	0.235	< 0.235	0.235	< 70.5	70.5	< 0.235	0.235
Tetrachloroethene		**0.069**	0.037	**6.73**	0.037	**3,310**	11.1	**2.03**	0.037
Tetrahydrofuran	NS	< 0.339	0.339	< 0.339	0.339	< 102	102	< 0.339	0.339
Toluene	1.0 - 6.1	**3.37**	0.266	**0.72**	0.266	**8,810**	79.7	**39.5**	0.266
Trans-1,2-Dichloroethene	NS	< 0.252	0.252	< 0.252	0.252	< 75.7	75.7	< 0.252	0.252
trans-1,3-Dichloropropene	NS	< 0.221	0.221	< 0.221	0.221	< 66.1	66.1	< 0.221	0.221
Trichloroethene	<1.7	< 0.047	0.047	**1.7**	0.047	< 14.0	14.0	< 0.047	0.047
Trichlorofluoromethane	NS	**0.243**	0.178	**0.223**	0.178	< 53.4	53.4	**0.196**	0.178
Trichlorotrifluoroethane		< 0.131	0.131	< 0.131	0.131	< 39.2	39.2	< 0.131	0.131
Vinyl Chloride	<1.0	< 0.098	0.098	< 0.098	0.098	< 29.4	29.4	< 0.098	0.098
Total VOCs	NS	**77.50**		**50.45**		**148,676.90**		**279.44**	
Total BTEX VOCs	NS	**5.91**		**1.94**		**17,905.90**		**53.84**	
Total CVOCs	NS	**0.91**		**7.59**		**3,310.00**		**9.01**	

Notes:
NS - No guidance value or standard available
(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.
(b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values)

Bold only - Analyte detected at a concentration above the RL but below its respective guidance value
Bold/highlighted - Analyte detected between the range of NYSDOH Guidance Values (e.g., 1.0 - 4.3 ug/m3)
Bold/highlighted - Analyte detected above its respective NYSDOH Guidance Value

Table 11
391 Meeker Avenue,
Brooklyn, NY
Well Survey Data

Well No.	Survey Reading (ft)	Depth to Water Table (ft)	Depth to Product (ft)	Product Thickness (ft)	Groundwater Elevation (ft)
MW1	11.71	7.85	ND	ND	3.86
MW2	11.58	7.77	ND	ND	3.81
MW3	11.55	7.67	ND	ND	3.88

Notes:
The three wells (MW1-MW3) were installed on January 15, 2016 and were surveyed/sampled January 22, 2016
Survey Reading is measured at the top of casing and represents how many feet above mean sea level (amsl)
Depth to Water Table is measured in feet below the top of casing (TOC)
ND = Not Detected (no product was present in any of the onsite monitoring wells)
Groundwater Elevation represents how many feet above mean sea level the water table is

FIGURES

1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961
PHONE 631.504.6000
FAX 631.924.2870

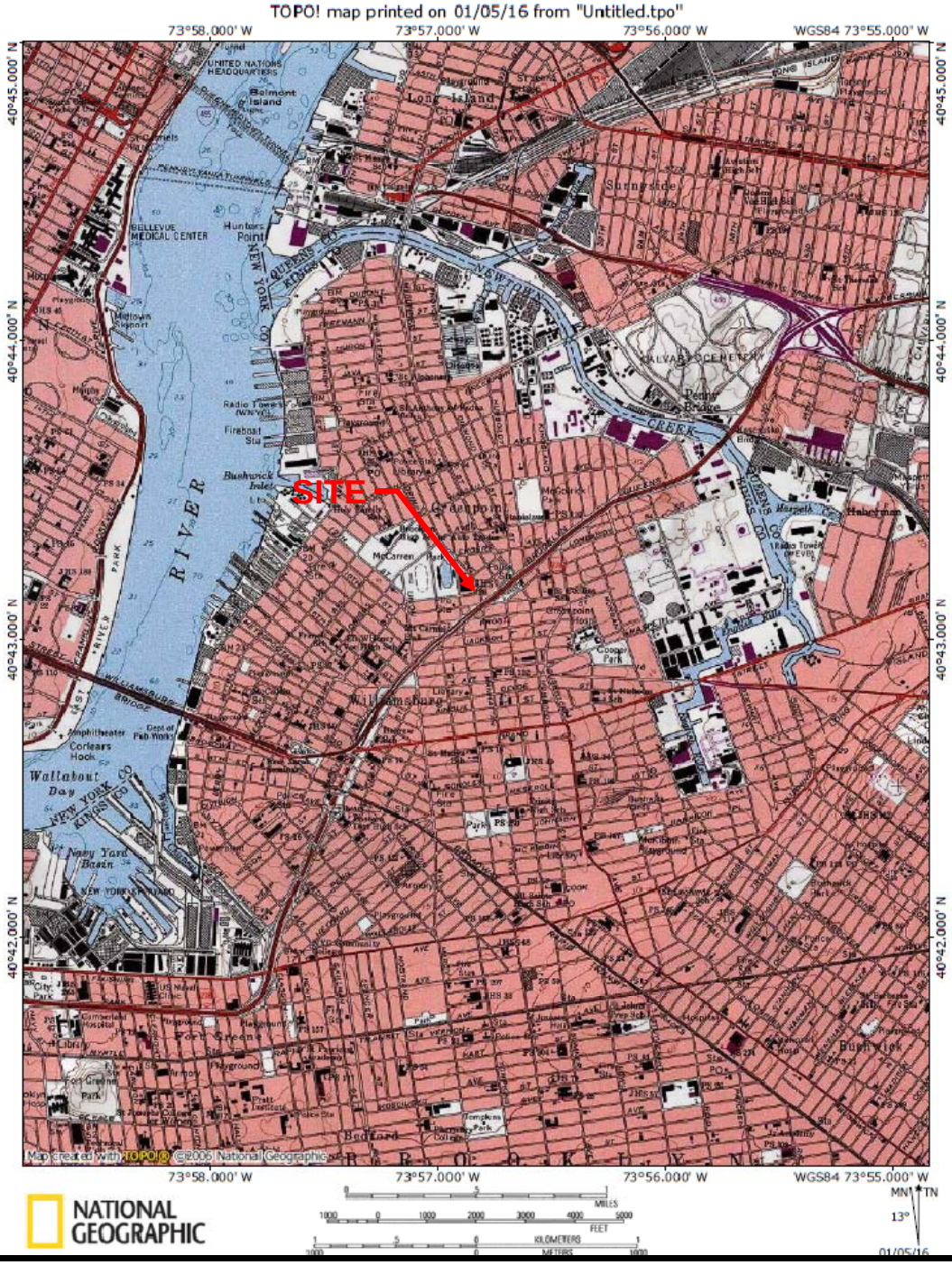
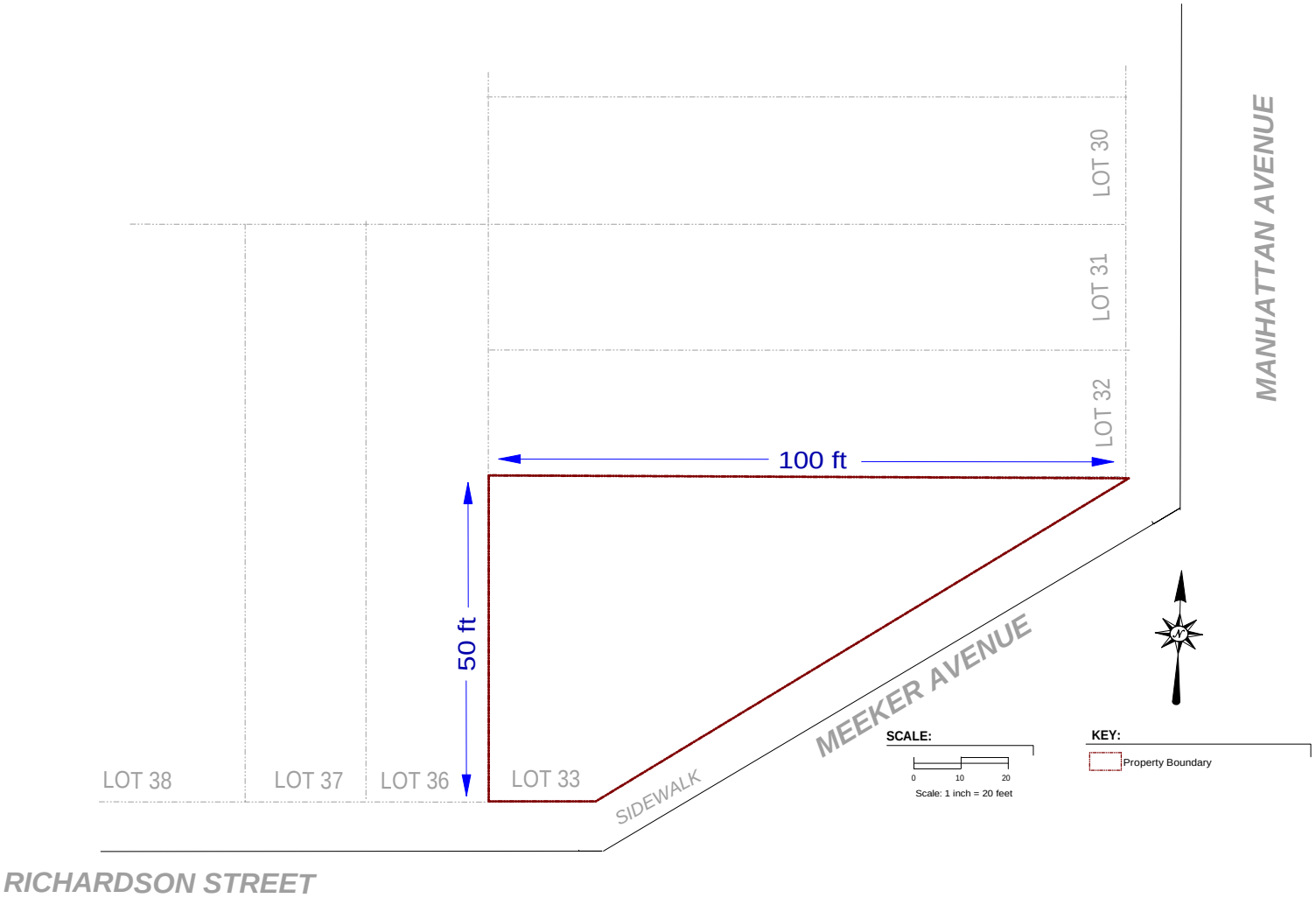


FIGURE 1 – SITE LOCATION MAP

N

SITE NAME: 391 Meeker Avenue
STREET ADDRESS: 391 Meeker Avenue
MUNICIPALITY, STATE, ZIP: Brooklyn, NY 11222

EBC
Phone *631.504.6000*
Fax *631.924.2870*
Environmental Business Consultants



EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631.924.2870

391 MEEKER AVENUE
BROOKLYN, NY

FIGURE 2 SITE BOUNDARY MAP

PROPOSED NEW 4 STORY +PENTHOUSE AND CELLAR MIXED USE BUILDING ,
TOTAL OF 10 DWELLING UNITS
391 MEEKER AVENUE, BROOKLYN N.Y 11222

ZONING COMPLIANCE

PROPERTY DATA
ADDRESS: 391 MEEKER AVENUE
TAX BLOCK: 2723
TAX LOT: 33
ZONING MAP NO.: 13a
ZONE: M1-2 /R6A (QUALITY HOUSING)
SPECIAL MIXED USE DISTRICT (MX-8)
PROPERTY IS LOCATED WITHIN INCLUSIONARY HOUSING DESIGNATED AREA.

SCOPE OF WORK
ALTERATION TYPE 1
PROPOSED 4 STORY AND CELLAR + PENTHOUSE MIXED USE BUILDING.
TOTAL OF 10 DWELLING UNITS + 1 COMMERCIAL SPACE

EXISTING CONDITIONS:
1 STORY MANUFACTURING BUILDING
USE GROUP :17
FLOOR AREA RATIO:
FIRST FLOOR : 2,961.52 S.F
LOT COVERAGE 2,961.52 S.F/2,961.52 S.F = 100%
BUILDING HEIGHT : 15'-0"

PROPOSED:

CODE ANALYSIS
PROPOSED OCCUPANCY CLASS: R-2
PROPOSED CONSTRUCTION CLASS: I-B
PROPOSED MDL CLASS: HAEA

USE REGULATION
ZR 123-23: PERMITTED USE GROUP: 1 -6
PROPOSED PARTIAL 1ST FLOOR : U.G 6
PROPOSED PARTIAL 1ST FLOOR : U.G 2
PROPOSED 2ND,3TH, 4TH FLOORS:U.G 2
PROPOSED PENTHOUSE :U.G 2

F.A.R. & LOT AREA
LOT AREA.: = 2,961.52

MAXIMUM PERMITTED FLOOR AREA:

COMMERCIAL:
(ZR 123-64(a)(1) / ZR 43-12) : MAX. FAR= 2.0
RESIDENTIAL :
(ZR 123-64(a)(3) / ZR 123-63/ZR 23-952) : MAX. FAR= 2.7
MIXED USE:
(ZR 123-64(a)(4) /ZR 23-952) : MAX. FAR= 2.7

2,961.52 (LOT AREA) X 2.70 = 7,996.104

EXISTING FLOOR AREA;
FIRST FLOOR : 2,961.52

PROPOSED FLOOR AREA:
COMMERCIAL AREA ON FIRST FLOOR: =782.64 SF
TOTAL F.A.DEDUCTIONS =11.77
TOTAL NET F.A =770.87 SF
(SEE AREA ON SHEET Z-002)
770.87 2,961.52 SF (LOT AREA) =0.26 FAR< 2.00 =OK

RESIDENTIAL:

FLOOR AREA BREAKDOWN:

FIRST FLOOR	1,219.08 S.F
SECOND FLOOR	2,001.72 S.F
THIRD FLOOR	2,001.72 S.F
FOURTH FLOOR	2,001.72 S.F
PENTHOUSE	649.58 S.F.

TOTAL PROPOSED F.A. = 7,873.82 S.F.

TOTAL F.A. DEDUCTIONS : 699.92 S.F
TOTAL NET F.A. : 7,873.82 S.F.- 699.92 S.F= 7,173.9 S.F.
7,173.9 S.F./ 2,961.52(LOT AREA) = 2.42 F.A.R <2.7 (OK)

TOTAL BUILDING F.A.: 7,944.77 SF
/ 2,961.52(*LOT AREA*)= 2.68 FAR <2.70 (OK)

LOT COVERAGE
(ZR 123-64(b) Lot coverage requirements shall not apply.
PROPOSED LOT COVERAGE: 2001.72 / 2,961.52 = 67%

YARDS
(ZR 123-652) REQ'D FRONT YARD: NONE REQUIRED
PROPOSED = *NONE* = O.K.

(ZR 123-652) REQ'D SIDE YARDS: NONE REQUIRED
OR MINIMUM OF 8'-0"
PROPOSED = *8'-0"* = O.K.

(ZR 123-10/ZR 23-47) CORNER LOT WITHIN 100' OF CORNER:
NO REAR YARD REQUIRED.

BUILDING HEIGHTS
BASE PLANE CALCULATION
RICHARDSON STREET 11.65' + 11.43 = 23.08 /2 = 11.54
MEEKER AVENUE 11.43 + 10.92= 22.35 /2 = 11.17
BASE PLAN: 11.54' + 11.17' = 22.71 /2 = 11.35
(ZR 123-662 (b) TABLE-B MIN. BASE HEIGHT: 40'-0"
MAX. BASE HEIGHT: 60'-0",
ABOVE MAX. B.H. MIN. FRONT SETBACK REQ: 10'-0"
MAX. BLD'G HEIGHT: 70'-0"
EXISTING BASE & BUILDING HEIGHT =*41'-1"*
PROPOSED BASE & BUILDING HEIGHT =*51'-1"*
SEE HEIGHT AND SETBACK DIAGRAM ON ON SHEET Z-002.

STREET WALL LOCATION:
ZR 35-24 (b) (1)
AT LEAST 70 PERCENT OF THE AGGREGATE WIDTH OF STREET WALLS SHALL BE LOCATED WITHIN EIGHT FEET OF THE STREET LINE AND SHALL EXTEND TO AT LEAST THE MINIMUM BASE HEIGHT SPECIFIED IN THIS SECTION OR THE HEIGHT OF THE BUILDING, WHICHEVER IS LESS.
SUBJECT APPLICATION COMPLIES WITH SECTION ABOVE:

PARKING
COMMERCIAL: (ZR 36-21) UG 6B, [PRC -B1], 1 PARKING SPACE PER 400 SF REQUIRED
1,505 SF / 400 = 4

(ZR 36-231) PARKING WAIVED BELOW 25 SPACES.
PROPOSED: NONE (OK)

RESIDENTIAL: (ZR 36-341, ZR 25-23) ACCESSORY OFF STREET PARKING: 50% OF NUMBER OF DWELLING UNITS.
PROPOSED: 10 D.U. x 50% = 5 PARKING SPACES.
(ZR 36-361) UP TO 5 SPACES PARKING IS WAIVED
PROPOSED: NONE

BICYCLE PARKING
RESIDENTIAL: (ZR 36-711) REQUIRED ONLY FOR ENLARGEMENTS THAT INCREASE THE FLOOR AREA WITHIN A BUILDING BY 50 PERCENT OR MORE. EXISTING F.A.: 3,335 SF. PROPOSED INCREASE 2,250 SF < 50% INCREASE. NONE REQUIRED, NONE PROPOSED (OK).

COMMERCIAL: U.G. 6-C: 1 PER 10,000 SF OF F.A. PROPOSED EXISTING & PROPOSED COMMERCIAL <10,000 SF THEREFORE NONE REQUIRED. NONE PROPOSED (OK).

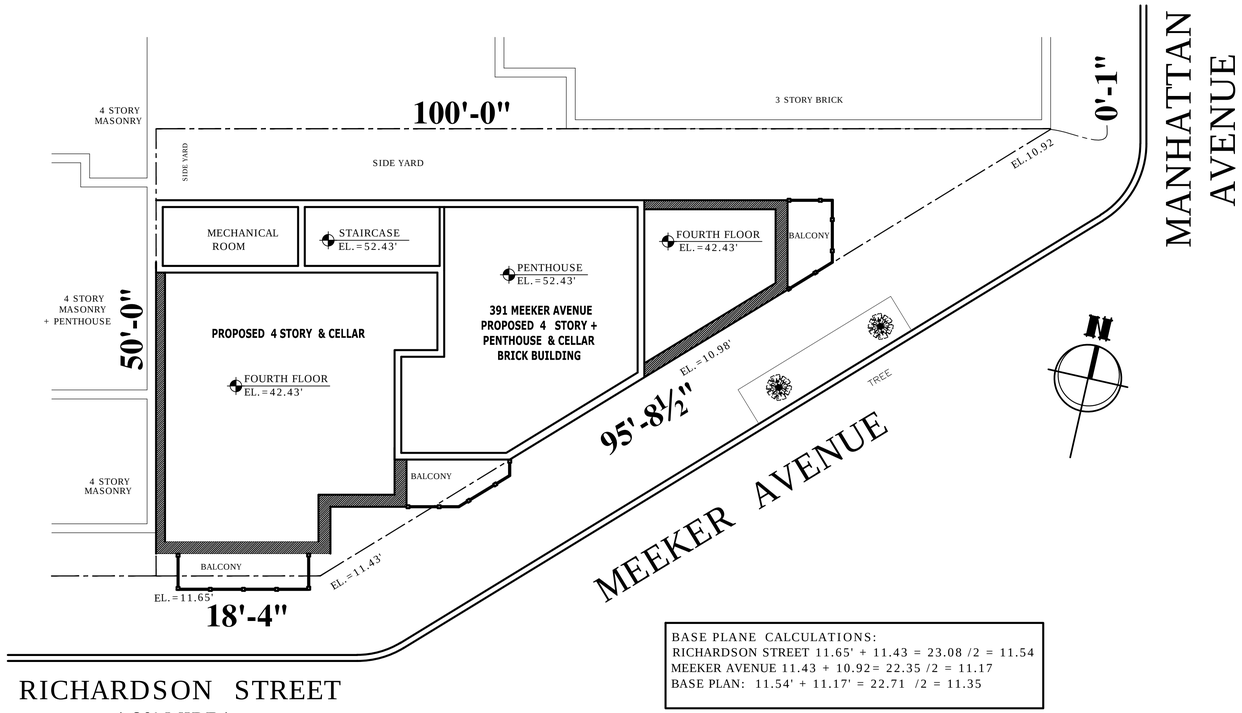
DENSITY
ZR 35-40 / 24-20 / 23-24
SPECIAL PROVISIONS FOR BUILDINGS USED PARTLY FOR NON-RESIDENTIAL USES

R1-R10

IN ALL DISTRICTS, AS INDICATED, IF A BUILDING IS USED PARTLY FOR RESIDENCES AND PARTLY FOR NON-RESIDENTIAL (OTHER THAN COMMUNITY FACILITY USES)USES THE MAXIMUM NUMBER OF DWELLING UNITS PERMITTED ON THE ZONING LOT SHALL EQUAL THE TOTAL RESIDENTIAL FLOOR AREA PERMITTED AFTER DEDUCTING ANY NON RESIDENTIAL FLOOR AREA, DIVIDED BY THE APPLICABLE FACTOR IN SECTION 23-22
F.A.R. USED FOR COMMERCIAL 0.26
F.A.R. AVAILABLE FOR RESIDENTIAL 2.44. , 2,961.52 X 2.44 = 7226.10 / 680 = 10 DWELLING UNITS PERMITTED
TOTAL PROPOSED DU: 10 (OK)

PLANTING
(ZR 33-03) 1 STREET TREE SHALL BE PROVIDED FOR EVERY 25' OF STREET FRONTAGE OF THE ZONING LOT. LOT FRONTAGE: 25'-0", THEREFORE 1 TREE REQUIRED.
EXISTING: 1 TREE TO REMAIN. (OK).

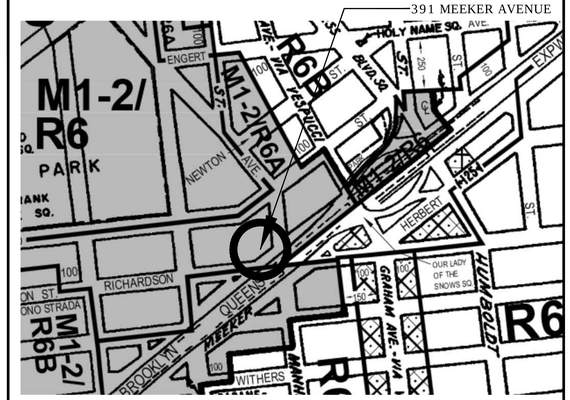
(ZR 35-011(b)(2), ZR 28-33) AREA BETWEEN THE STREET WALL AND THE STREET LINE TO BE PLANTED. EXISTING BUILDING ON LOT LINE THEREFORE NOT APPLICABLE.



BASE PLANE CALCULATIONS:
RICHARDSON STREET 11.65' + 11.43 = 23.08 /2 = 11.54
MEEKER AVENUE 11.43 + 10.92= 22.35 /2 = 11.17
BASE PLAN: 11.54' + 11.17' = 22.71 /2 = 11.35

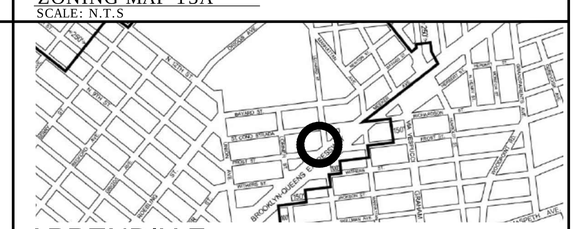
ZR 28-00 QUALITY HOUSING REQUIREMENTS :		
REGULATIONS		CONFORMING CONDITIONS
ZR 28-11	BULK REGULATIONS	COMPLIES AS ZR 23-145
ZR 28-21	MINIMUM UNIT SIZE = 400 S.F.	SMALLEST APARTMENT 550 SF
ZR 28-22	WINDOWS SHALL BE DOUBLE GLAZING	ALL WINDOWS SHALL BE DOUBLE GLAZED
ZR 28-23	REFUSE STORAGE - 2.9 CU. FT. PER DWELLING UNIT	DEVELOPMENT IS LESS THAN 9 D.U. THEREFORE REFUSE STORAGE NOT REQUIRED
ZR 28-23	REFUSE DISPOSAL ROOM - 12 S.F. PER STORY	DEVELOPMENT IS LESS THAN 9 D.U. THEREFORE REFUSE DISPOSAL ROOM NOT REQUIRED
ZR 28-24	LAUNDRY FACILITY 1 WASHING PER 20 UNITS 1 DRYER PER 40 UNITS	DEVELOPMENT IS LESS THEN 20 UNITS . THERFORE NOT REQUIRED
ZR 28-25	DAYLIGHT IN CORRIDORS	FIFTY PERCENT OF THE SQUARE FOOTAGE OF A CORRIDOR MAY BE EXCLUDED FROM F.A. IF A WINDOW IS PROVIDED
ZR 28-31	RECREATION SPACE FOR BLDGS WITH 9+ D.U.	DEVELOPMENT IS LESS THAN 9 D.U. THEREFORE RECREATION AREA NOT REQUIRED
ZR 28-33	PLANTING AREA - BETWEEN STREET LINE AND BUILDING	PROVIDED
ZR 28-41	DENSITY PER CORRIDOR - 11 UNITS PER CORRIDOR	FIFTY PERCENT OF THE SQUARE FOOTAGE OF A CORRIDOR MAY BE EXCLUDED FROM F.A. IF NOT EXCEEDING THE MAX.
ZR 28-50	PARKING FOR QUALITY HOUSING	WAIVED AS PER ZR 25-261
ZR 28-51	SCREENING	NOT APPLICABLE
ZR 28-52	OFF SITE ACCESSORY PARKING	NOT APPLICABLE
ZR 28-53	LOCATION	NOT APPLICABLE

KEY PLAN
SCALE: N.T.S



ZONING MAP 13A
SCALE: N.T.S

PLANS TO BE FILED SEPARATELY
-STRUCTURAL PLANS
-SPRINKLER PLANS
-FIRE ALARM SYSTEM
-MECHANICAL PLANS



APPENDIX F:
INCLUSIONARY HOUSING DESIGNATED AREA

Genaro R. Urueta , R.A. , © Copyright 2015

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info
GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY .11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035610 STATE OF NEW YORK

Project:
391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-GENERAL NOTES
-KEY PLAN
-PLOT PLAN
-ZONING ANALYSIS

Job Application #:

PROJECT : 15009 | Drawn by: GARETH EMAHORO
Date: 09.25.2015

Drawing No.:
Z-101

SHEET NO: 1 OF 22

OVERALL CALCULATIONS

LEVEL	GROSS F.A PROPOSED	DEDUCTIONS	NET F.A
1ST FL.	2001.72 S.F.	508.46 S.F.	1,493.26 S.F.
2ND FL.	2001.72 S.F.	67.50 S.F.	1,934.22 S.F.
3TH FL.	2001.72 S.F.	67.50 S.F.	1,934.22 S.F.
4TH FL.	2001.72 S.F.	68.23 S.F.	1,933.49 S.F.
PENT.	649.58 S.F.	000.00 S.F.	649.58 S.F.
TOTAL	8656.46 S.F.	711.69 S.F	7944.77 S.F

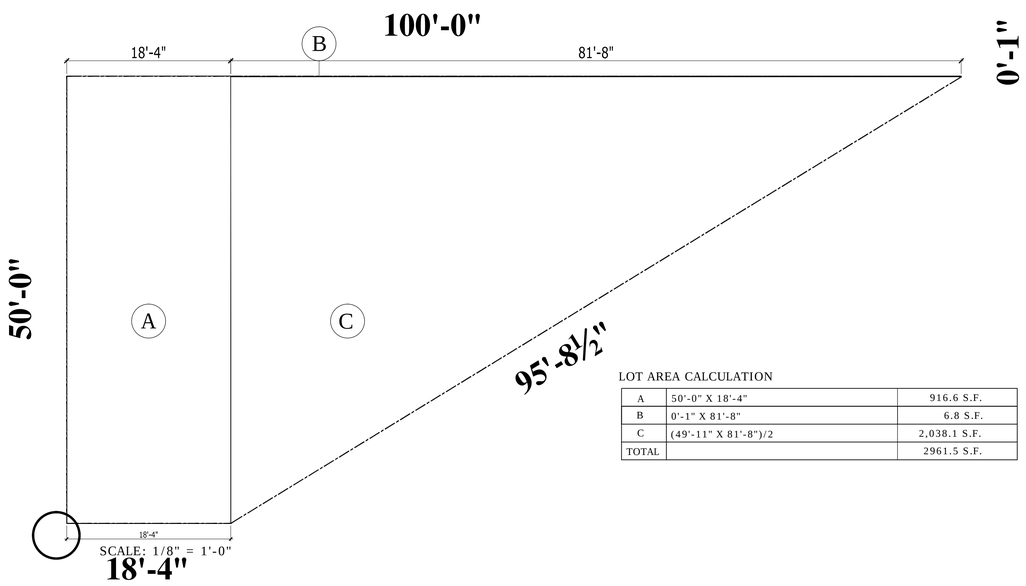
LEGEND

GROSS FLOOR AREA

DEDUCTED FLOOR AREA

LOT AREA CALCULATION

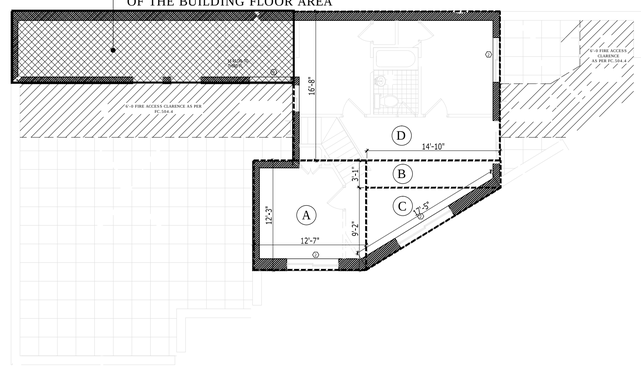
AREA= 2,961.52 SQ. FT. = 0,068 ACRE



LOT AREA CALCULATION

A	50'-0" X 18'-4"	916.6 S.F.
B	0'-1" X 81'-8"	6.8 S.F.
C	(49'-11" X 81'-8")/2	2,038.1 S.F.
TOTAL		2961.5 S.F.

HATCHED AREA IS NOT PART OF THE BUILDING FLOOR AREA

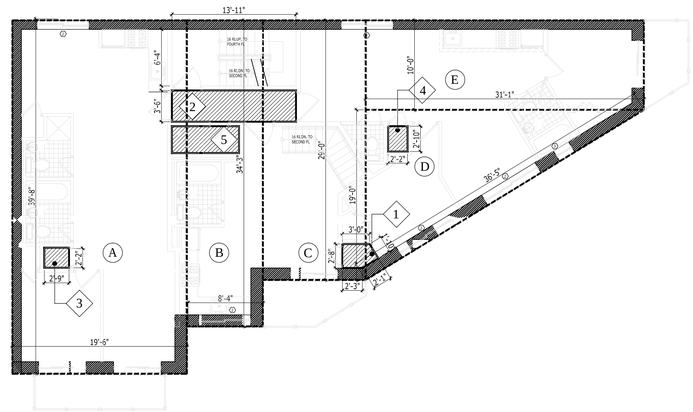


FLOOR AREA DEDUCTION
-PENTHOUSE

TOTAL	NO DEDUCTIONS ON THIS FLOOR

GROSS FLOOR AREA
-PENHOUSE FLOOR

A	12'-3" X 12'-7"	153.60 S.F.
B	14'-10" X 3'-1	45.73 S.F.
C	14'-1" X 9'-2" X 17'-5"	69.11 S.F.
D	23'-2" X 16'-9"	381.14 S.F.
TOTAL		649.58 S.F.

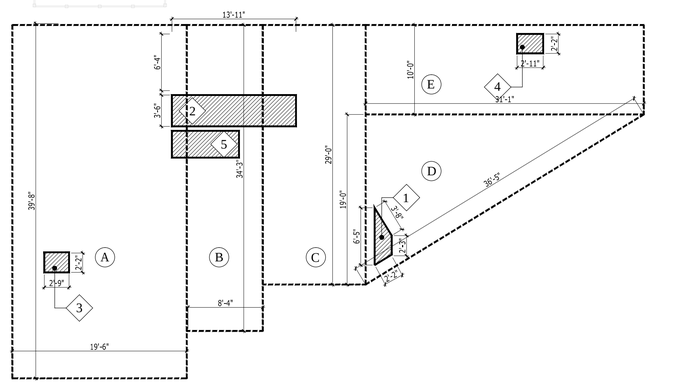


FLOOR AREA DEDUCTION
-FOURTH FLOOR

1	SEE PLAN	09.01 S.F.	MECH
2	13'-11" X 3'-6"	48.56 / 2 24.28 S.F.	VESTIBULE
3	2'-9" X 2'-2"	06.22 S.F.	MECH
4	2'-10" X 2'-2"	06.17 S.F.	MECH
5	2'-10" X 2'-2"	22.55 S.F.	MECH
TOTAL		68.23 S.F	

GROSS FLOOR AREA
-FOURTH FLOOR

A	39'-8" X 19'-6"	770.41 S.F.
B	34'-3" X 8'-4"	290.83 S.F.
C	29'-0" X 11'-6"	333.69 S.F.
D	19'-0" X 31'-1" X 36'-5"	295.78 S.F.
E	31'-1" X 10'-0"	311.01 S.F.
TOTAL		2001.72 S.F.

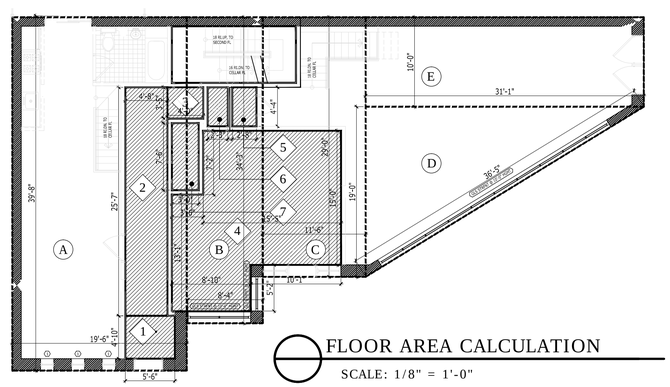


FLOOR AREA DEDUCTION
-SECOND / THIRD FLOOR

1	SEE PLAN	08.12 S.F.	MECH
2	13'-11" X 3'-6"	48.56 / 2 24.28 S.F.	VESTIBULE
3	2'-9" X 2'-2"	06.22 S.F.	MECH
4	2'11" X 2'2"	06.33 S.F.	MECH
5	2'-10" X 2'-2"	22.55 S.F.	MECH
TOTAL		67.50 S.F	

GROSS FLOOR AREA
-SECOND / THIRD FLOOR

A	39'-8" X 19'-6"	770.41 S.F.
B	34'-3" X 8'-4"	290.83 S.F.
C	29'-0" X 11'-6"	333.69 S.F.
D	19'-0" X 31'-1" X 36'-5"	295.78 S.F.
E	31'-1" X 10'-0"	311.01 S.F.
TOTAL		2001.72 S.F.



FLOOR AREA CALCULATION

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

FLOOR AREA DEDUCTION
-FIRST FLOOR

1	5'-6" X 4'-10"	26.50 S.F.	LOBBY
2	25'-7" X 4'-8"	120.19 S.F.	LOBBY
3	4'-0" X 3'-5"	14.00 S.F.	LOBBY
4	SEE PLAN	303.99 S.F.	RECREATION
5	2'-8" X 4'-4"	11.77 S.F.	MECH
6	2'-3" X 4'-4"	09.76 S.F.	MECH
7	7'-6" X 3'-0"	22.43 S.F.	MECH
TOTAL		508.46 S.F	MECH

GROSS FLOOR AREA
-FIRST FLOOR

A	39'-8" X 19'-6"	770.41 S.F.
B	34'-3" X 8'-4"	290.83 S.F.
C	29'-0" X 11'-6"	333.69 S.F.
D	19'-0" X 31'-1" X 36'-5"	295.78 S.F.
E	31'-1" X 10'-0"	311.01 S.F.
TOTAL		2001.72 S.F.

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY ,11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:

Job Application #:

PROJECT : 15009 Drawn by: GARETH EHAKORO

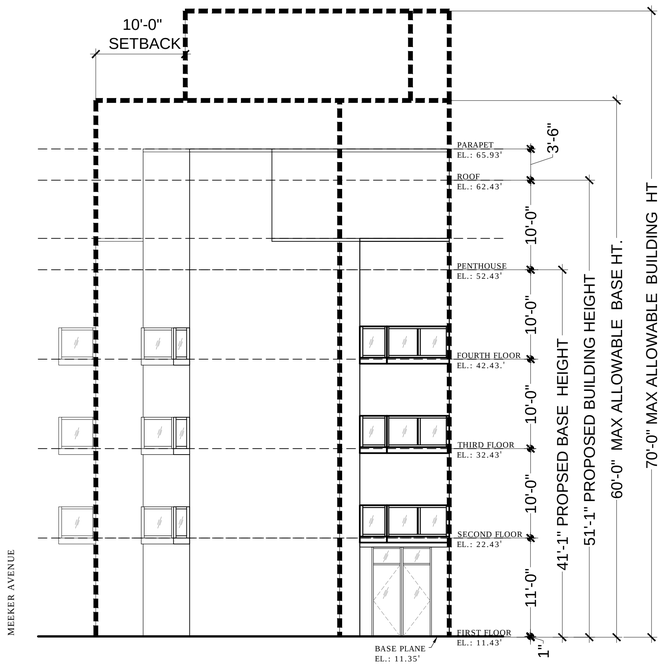
Date: 09.25.2015

Drawing No.:

Z-102

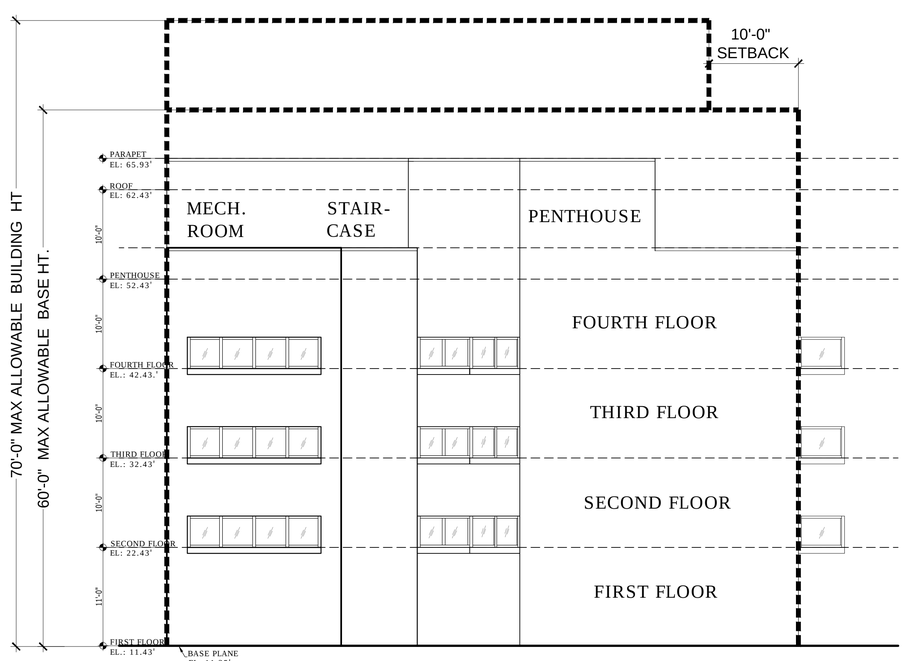
SHEET NO: 2 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015



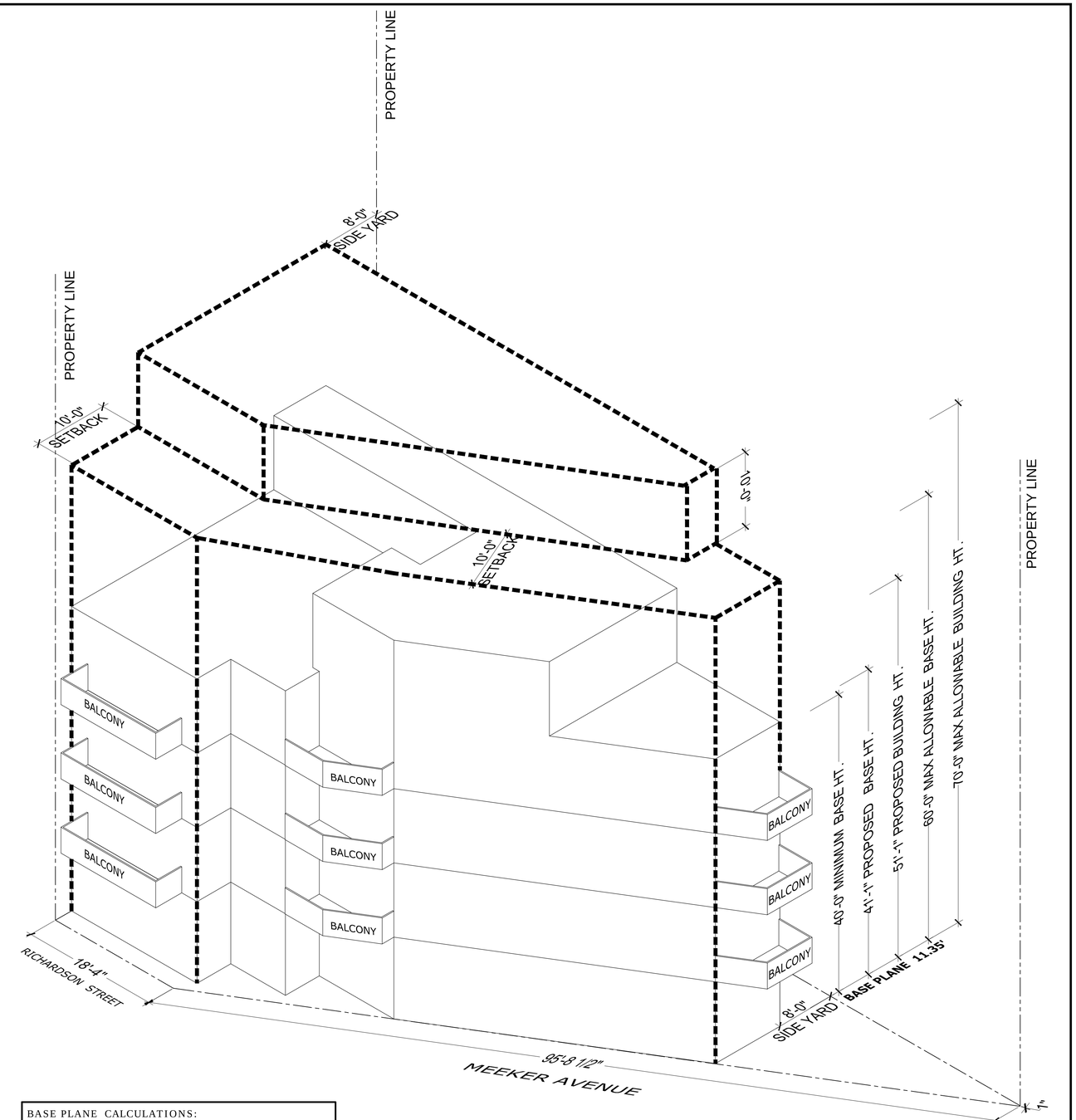
WEST ELEVATION DIAGRAM

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



NORTH ELEVATION DIAGRAM

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



BASE PLANE CALCULATIONS:
RICHARDSON STREET 11.65' + 11.43 = 23.08 /2 = 11.54
MEEKER AVENUE 11.43 + 10.92= 22.35 /2 = 11.17
BASE PLAN: 11.54' + 11.17' = 22.71 /2 = 11.35

ISOMETRIC ZONING DIAGRAM

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

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY .11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:

Job Application #:

PROJECT : 15009 | Drawn by: GARETH EHAKORO

Date: 09.25.2015

Drawing No.:

Z-103

SHEET NO: 3 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015

NYCBC 2014
SECTION BC 1020 EXITS
1021.2 SINGLE EXITS

1021.2 SINGLE EXITS. ONLY ONE EXIT SHALL BE REQUIRED IN A BUILDING OR FORM STONES OF BUILIDNGS AS DESCRIBED
BELOW:
1. STORIES IN BUILDINGS AS DESCRIBED IN TABLE 1021.2
NOT APPLICABLE
2. BUILDINGS OF GROUP R-3 OCCUPANCY.
NOT APPLICABLE
3. SINGLE-LEVEL BUILDINGS WITH THE OCCUPIED SPACE AT THE LEVEL OF EXIT DISCHARGE PROVIDED THAT THE STORY OR SPACE COMPLIES WITH SECTION 1015.1 AS A SPACE WITH ONE MEANS OF EGRESS
NOT APPLICABLE
4. BUILDINGS OF GROUP R-2 OCCUPANCY WHERE ALL OF THE FOLLOWING CONDITIONS ARE MET.
4.1 THE BUILDING DOES NOT EXCEED FOUR STORIES.
PROPOSED BUILDING IS NOT EXCEEDING 4 STORIES
4.2 THE BUILDING CONTAINS NOT MORE THAN THREE DWELLING UNITS PER STORY.
PROPOSED BUILDING CONTAINS 3 DWU PER STORY.
4.3 THE BUILDING IS OF CONSTRUCTION TYPE I OR II;
PROPOSED BUILDING IS NOT CONSTRUCTION TYPE II
4.4 THE BUILDING DOES NOT EXCEED 2,500 SQUARE FEET (232 M2) PER STORY,
PROPOSED BUILDING IS 2,001.72 SF (CONSTRUCTION AREA) TOTAL PER FLOOR
4.5 EACH DWELLING UNIT HAS AT LEAST ONE WINDOW FACING THE STREET, OR FACING A LAWFUL YARD WITH OPEN, UNOBSTRUCTED AND DIRECT ACCESS TO THE STREET.
EACH DWELLING UNIT HAS A WINDOW FACING THE STREET OR FACING THE STREET LAWFUL YARD WITH OPEN UNOBSTRUCTED AND DIRECT ACCESS TO THE STREET
4.6 THE STAIRWAY EXTENDS TO THE ROOF SURFACE THROUGH A STAIRWAY BULKHEAD COMPLYING WITH SECTION 1509.2 PROVIDED THE ROOF HAS A SLOPE NOT STEEPER THAN 20 DEGREES (0.35 RAD). IN LIEU OF THE STAIRWAY BULKHEAD, THE STAIR MAT BE CONSTRUCTED AGAINST THE STREET WALL WITH ONE WINDOW FACING THE STREET AT EVERY LANDING AND ACCESS TO THE ROOF IS PROVIDED VIA A SCUTTLE WITH A STATIONARY, NONCOMBUSTIBLE ACCESS LADDER.
PROPOSED STAIRWAY EXTEND TO ROOF THROUGH A BULKHEAD WITH ROOF SLOPE NOT STEEPER THAN 20 DEGREES, SEE ROOF PLAN
4.7 THE STAIRWAY IS ENCLOSED IN 2 HOUR FIRE-RATED WALLS WITH ALL EXITS STAIR DOORS LEADING INTO THE STAIRWAY HAVING AT LEAST 1 ½ HOUR FIRE RATING; AND 4.8. THE BUILDING SHALL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.31.2
PROPOSED STAIRWAY IS ENCLOSED WITH WALL FIRE RATING OF 2HR AND ALL EXIT DOOR LEADING INTO STAIRWAY HAVING A FIRE RATING OF 1.5 HR, SEE FLOOR PLAN AND DOOR SCHEDULE
4.8. THE BUILDING SHALL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.2.

PROPOSED BUILDING TO BE BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM.

FIRE RESISTANCE RATING FOR BUILDING ELEMENTS- TABLE 601	
REQUIRED FIRE RATING OF BUILDING ELEMENTS	
STRUCTURAL FRAME	2 HR
EXTERIOR BEARINGS WALLS	2 HR
INTERIOR BEARINGS WALLS	2 HR
INTERIOR NON BEARING WALLS AND PARTITIONS	0 HR
FLOOR CONSTRUCTION	2 HR
ROOF CONSTRUCTION	1 HR

FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE - TABLE 602	
FIRE SEPARATION DISTANCE	
< 5 FT	1 HR
> 5 < 10 FT	1 HR
> 10 < 30 FT	1 HR
> 30 FT	0 HR

602.4.2 Floor framing. Wood beams and girders shall be of sawn or glued-laminated timber and shall be not less than 6 inches (152 mm) nominal in width and not less than 10 inches (254 mm) nominal in depth. Framed sawn or glued-laminated timber arches, which spring from the floor line and support floor loads, shall be not less than 8 inches (203 mm) nominal in any dimension. Framed timber trusses supporting floor loads shall have members of not less than 8 inches (203 mm) nominal in any dimension.

602.4.3 Roof framing. Wood-frame or glued-laminated arches for roof construction, which spring from the floor line or from grade and do not support floor loads, shall have members not less than 6 inches (152 mm) nominal in width and have less than 8 inches (203 mm) nominal in depth for the lower half of the height and not less than 6 inches (152 mm) nominal in depth for the upper half. Framed or glued laminated arches for roof construction that spring from the top of walls or wall abutments, framed timber trusses and other roof framing, which do not support floor loads, shall have members not less than 4 inches (102 mm) nominal in width and not less than 6 inches (152 mm) nominal in depth. Spaced members shall be permitted to be composed of two or more pieces not less than 3 inches (76 mm) nominal in thickness where blocked solidly throughout their intervening spaces or where spaces are tightly closed by a continuous wood cover plate of not less than 2 inches (51 mm) nominal in thickness secured to the underside of the members. Splice plates shall be not less than 3 inches (76 mm) nominal in thickness. Where protected by approved automatic sprinklers under the roof deck, framing members shall be not less than 3 inches (76 mm) nominal in width.

602.4.4 Floors. Floors shall be without concealed spaces. Wood floors shall be of sawn or glued-laminated planks, splined or tongue-and-groove, of not less than 3 inches (76 mm) nominal in thickness covered with 1-inch (25 mm) nominal dimension tongue-and-groove flooring, laid crosswise or diagonally, or 0.5-inch (12.7 mm) particleboard or planks not less than 4 inches (102 mm) nominal in width set on edge close together and well spiked and covered with 1-inch (25 mm) nominal dimension flooring or 15/32-inch (12 mm) wood structural panel or 0.5-inch (12.7 mm) particleboard. The lumber shall be laid so that no continuous line of joints will occur except at points of support. Floors shall not extend closer than 0.5 inch (12.7 mm) to walls. Such 0.5-inch (12.7 mm) space shall be covered by a molding fastened to the wall and so arranged that it will not obstruct the swelling or shrinkage movements of the floor. Corbeling of masonry walls under the floor shall be permitted to be used in place of molding.

TABLE 602
FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE[f,a,e,g,h]

FIRE SEPARATION DISTANCE =X (feet)	TYPE OF CONSTRUCTION	OCCUPANCY GROUP H[f]	OCCUPANCY GROUP F-1, M, S-1[e]	OCCUPANCY GROUP A, B, E, F-2, I, R, S-2, U[b]
X < 5[c]	All	3	2	1
5 ≤ X < 10	IA	3	2	1
	Others	2	1	1
10 ≤ X < 30	IA, IB	2	1	1[d]
	IIB, VB	1	0	0
	Others	1	1	1[d]
X ≥ 30	All	0	0	0

For SI: 1 foot = 304.8 mm.
a. Load-bearing exterior walls shall also comply with the fire-resistance rating requirements of Table 601.
b. Group U when used as accessory to Group R3 shall not be required to have a fire-resistance rating where the fire separation distance is 5 feet or more for free standing private garages in compliance with Section 406.1, and when the separation distance is 3 feet or more for other freestanding Group U buildings. For freestanding private garages where the fire separation distance is less than 5 feet, refer to Section 406.1 for required fire-resistance rating for exterior walls.
c. See Section 706.1.1 for party walls.
d. Open parking garages complying with Section 406 shall not be required to have a fire resistance rating.
e. The fire-resistance rating of an exterior wall is determined based upon the fire separation distance of the exterior wall and the story in which the wall is located.
f. For special requirements for Group H occupancies, see Section 415.3.
g. Inside the fire district, exterior load-bearing walls of Type II buildings shall have a fire-resistance rating not less than prescribed below:

X < 5	2 hours
5 ≤ X < 10	2 hours
10 ≤ X < 30	1 hour
X ≥ 30	As per table 602.

h. Inside the fire district, exterior nonload-bearing walls of Type II buildings shall have a fire-resistance rating not less than prescribed below:

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

DRAWING LEGEND AND ABBREVIATION:

MO	MASONRY OPENING
NEC	NECESSARY
REF	REFIGERATOR
STL	STEEL
VER	VERIFY
VLIF	VERIFY LOCATION IN FIELD
W/D	WASHER DRYER
WO	WALL OVEN
FF	FINISH FLOOR
REQ'D	REQUIRED
RO	ROUGH OPENING
TBD	TO BE DETERMINED
MO	MASONRY OPENING
OC	ON CENTER
A/C	AIR CONDITIONING
AFF	ABOVE FINISH FLOOR
APT	APARTMENT
CH	CEILING HEIGHT
CLG	CEILING
D/W	DISHWASHER
FL	FLOOR
FPSC	FIRE PROOF SELF CLOSING
FR DR	FRENCH DOOR
FRZ	FREEZER
GALV.	GALVANIZED
GYP	GYPSUM BOARD
HT	HEIGHT

EXISTING BRICK EXTERIOR WALL TO REMAIN
PROPOSED LIGHT GAUGE 2HR FIRE BEARING EXTERIOR WALL
PROPOSED BLOCK 2HR FIRE BEARING EXTERIOR WALL
PROPOSED LIGHT GAUGE METAL STUD NON RATED PARTITION
PROPOSED 1 HOUR RATED WALL
PROPOSED 2 HOUR RATED WALL
PROPOSED LIGHT GAUGE METAL STUD MASONRY EQUIVALENT PARTITION
NEW DOOR
EXISTING DOOR TO REMAIN
COMBINATION CARBON MONOXIDE & SMOKE ALARM DETECTOR- ALL IN ONE ACTIVATED & INTERCONNECTED
75 CMF VENT
4A WALL TYPE SIGN
P 4 PLUMBING RISER
RISER LINE NUMBER
A A4 SECTION
PAGE

ITEMS SUBJECT TO CONTROLLED INSPECTION THE FOLLOWING PROCEDURES SHALL BE SUBJECT TO SPECIAL INSPECTION:
SPECIAL INSPECTIONS:

- STRUCTURAL STEEL - WELDING		BC 1704.3.1
- STRUCTURAL STEEL - ERECTION & BOLTING		BC 1704.3.2 BC 1704.3.3
- STRUCTURAL COLD-FORMED STEEL		BC 1704.3.4
- CONCRETE CAST IN PLACE		BC 1704.4
- MASONRY		BC 1704.5
- SOILS INVESTIGATIONS (BORINGS)	TR4	BC1704.7.4.
- MECHANICAL SYSTEMS		BC 1704.15
- EXCAVATION SHEETING SHORING		BC 1704. 19
- HEATING SYSTEMS		BC 1704.23
- FIRESTOP, DRAFTSTOP,		BC 1704.25
- CONCRETE TEST CYLINDERS	TR2	BC1905.6
- CONCRETE DESIGN MIX	TR3	BC 1905.3

PROGRESS INSPECTIONS:

- FOOTING AND FOUNDATION	BC 109.3.1
- ENERGY CODE COMPLIANCE INSPECTION TR8	BC 109.3.5
- FIRE RESISTANCE RATED CONSTRUCTION	BC 109.3.4

ENERGY CODE PROGRESS INSPECTION: TR-8

- PROTECTION OF FOUNDATION INSULATION	(IIA1)
- INSULATION PLACEMENT AND R VALUES	(IIA2)
- FENESTRATION THERMAL VALUES AND RATING	(IIA3)
- FENESTRATION RATINGS FOR AIR LEAKAGE	(IIA4)
- FENESTRATION AREAS	(IIA5)
- AIR SEALING AND INSULATION - VISUAL	(IIA6)
- HVAC AND SERVICE WATER HEATING EQUIPMENT	(IIB3)
- HAVC AND SERVICE WATER HEATING SYSTEMS CONTROLS	(IIB4)
- DUCT PLENUM AND PIPING INSULATION AND SEALING	(IIB5)
- ELECTRICAL METERING	(IIC1)
- LIGHTING IN DWELLING UNIT	(IIC2)
- MAINTENANCE INFORMATION	(IID1)
- PERMANENT CERTIFICATE	(IID2)

CHAPTER 6

TYPES OF CONSTRUCTION

SECTION BC 601
GENERAL

601.1 Scope. The provisions of this chapter shall control the classification of buildings as to type of construction.

TABLE 601
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (hours)

BUILDING ELEMENT	TYPE I A	TYPE I B	TYPE II A[d]	TYPE II B	TYPE III A[d]	TYPE III B	TYPE IV HT	TYPE V[j] A[d]	TYPE V[j] B
Primary structural frame[g,k] (see Section 202)	3[a]	2[a]	1	0	1	0	HT	1	0
Bearing walls Exterior[g,h]	3	2	1	0	2	2	2	1	0
Interior	3[a]	2[a]	1	0	1	0	1/HT	1	0
Nonbearing walls and partitions Exterior	See Table 602								
Nonbearing walls and partitions Interior[e]	0	0	0	0	0	0	See Section 602.4.6	0	0
Floor construction[i] and secondary members (see Section 202)	2	2	1	0	1	0	HT	1	0
Roof construction and secondary members (see Section 202)	1½[b,c]	1[b,c]	1[b,c]	0[b,c]	1[b,c]	0	HT	1[b,c]	0

For SI: 1 foot = 304.8 mm.
a. Roof supports: Fire-resistance ratings of primary structural frame and bearing walls are permitted to be reduced by 1 hour where supporting a roof only.
b. 1. Except in Group F-1, H, M and S-1 occupancies, fire protection of structural members shall not be required, including protection of roof framing and decking where every part of the roof construction is 20 feet or more above any floor immediately below. Fire-retardant-treated wood members shall be allowed to be used for such unprotected members.
2. Except in Group F occupancies subject to regulation under Sections 284(1) and 284(2) of the *New York State Labor Law*, and in Group I-1, R-1, and R-2 occupancies, in Types I and II construction, fire-retardant–treated wood shall be allowed in buildings including girders and trusses as part of the roof construction when the building is:
i. Type II construction of any height; or
ii. Type I construction two stories or less; or when over two stories, the vertical distance from the upper floor to the roof is 20 feet or more.
c. Except in Group F occupancies subject to regulation under Sections 284(1) and 284(2) of the New York State Labor Law, and in Group I-1, R-1 and R-2 occupancies, heavy timber shall be allowed where a 1-hour or less fire-resistance rating is required.
d. An approved automatic sprinkler system in accordance with Section 903.3.1.1 shall be allowed to be substituted for 1-hour fire-resistance-rated construction, provided such system is not otherwise required by other provisions of the code or used for an allowable area increase in accordance with Section 506.3 or an allowable height increase in accordance with Section 504.2. The 1-hour substitution for the fire resistance of exterior walls shall not be permitted.
e. Not less than the fire-resistance rating required by other sections of this code.
f. Not less than the fire-resistance rating based on fire separation distance (see Table 602).
g. Not less than the fire-resistance rating as referenced in Section 704.10.
h. See note g of Table 602.
i. See Section 712.3 for additional requirements.
j. Type V construction is not permitted inside fire districts except as provided for in Section D105.1 of Appendix D.
k. See Section BC 403.2.1 for additional requirements for high-rise buildings.

Professional Seal & Info
GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY ,11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:
391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:

Job Application #:

PROJECT : 15009 | Drawn by: GARETH EHAKORO
Date: 09.25.2015

Drawing No.:
Z-104

SHEET NO: 4 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015

GENERAL NOTES CONTINUED:

1. THE PROPOSED WORK ON THIS PLAN SHALL COMPLY WITH NEW YORK CITY BUILDING CODE REQUIREMENTS.
2. THE GENERAL CONTRACTOR SHALL OBTAIN CONSTRUCTION PERMIT AND PAY ALL REQUIRED FEES TO THE D.O.B. BASED ON THE PROPOSED WORK OF THIS DRAWING FROM NEW YORK CITY BUILDING DEPARTMENT PRIOR TO START
3. ALL ELECTRICAL WORK BEING PERFORMED SHALL BE BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH NEW YORK CITY ELECTRICAL CODE., AND SHALL BE REQUIRED TO OBTAIN ALL REQUIRED SIGN-OFFS AND CERTIFICATE OF COMPLETIONS FROM THE B.E.C.
4. ALL PLUMBING WORK SHALL BE PERFORMED BY A LICENSED PLUMBER IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE AND INSPECTION REQUIREMENTS. HE SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED PLUMBING SIGN-OFFS AND INSPECTIONS FROM THE DEPARTMENT OF BUILDING'S PLUMBING
5. THE GENERAL CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND DIMENSIONS ON THE SITE PRIOR TO START OF WORK. HE SHALL NOTIFY THE ARCHITECT/ENGINEER OF RECORD ANY DISCREPANCIES AND/OR CHANGE OF LAYOUT BETWEEN THE FIELD CONDITIONS AND THIS DRAWINGS IMMEDIATELY. FAILURE TO DO SO WILL INDICATE THE GENERAL CONTRACTOR'S ACCEPTANCE OF THIS DRAWING(S) AND WILL TAKE FULL RESPONSIBILITY FOR SAID WORK BEING PERFORMED.
6. THE ARCHITECT/ENGINEER OF RECORD HAS NOT BEEN RETAINED TO SUPERVISE THE CONSTRUCTION.
7. THE GENERAL CONTRACTOR SHALL RETAIN THE SERVICES OF A LICENSED ARCHITECT/ENGINEER FOR ALL REQUIRED CONTROLLED INSPECTIONS.
8. THE GENERAL CONTRACTOR SHALL OBTAIN SIGN-OFF FROM THE DEPARTMENT OF BUILDING AFTER COMPLETION OF WORK.
9. THE CONTRACTOR SHALL VISIT THE SITE AND SHALL BE KNOWLEDGEABLE OF CONDITIONS THEREON. HE SHALL INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL CONDITIONS OF THE PROJECT AND SHALL NOTIFY THE OWNER OF ANY CONDITIONS REQUIRING MODIFICATIONS BEFORE PROCEEDING WITH THE WORK.
10. NOTES APPEAR ON VARIOUS SHEETS FOR DIFFERENT SYSTEMS AND MATERIALS. SHEETS ARE TO BE REVIEWED AND NOTES ON ANY ONE SHEET ARE TO BE APPLIED ON RELATED DRAWINGS AND DETAILS.
11. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE DETAILED. WHERE SPECIFIED DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
12. ALL ELEVATOR AND STAIR OPENINGS SHALL BE CERTIFIED BY THE ELEVATOR SUBCONTRACTOR PRIOR TO FORMING. REQUIRED MODIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR APPROVAL PRIOR TO FORMING.
13. CONTRACTOR TO COORDINATE ALL EQUIPMENT BASE AND HOUSEKEEPING PADS WITH MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS. EQUIPMENT BASES AND HOUSEKEEPING PADS TO BE A MINIMUM OF 4" HIGH UNLESS OTHERWISE NOTED. PROVIDE ONE LAYER OF WWF 6X6XW4 WELDED WIRE FABRIC MINIMUM, TO BE INSTALLED BENEATH THE FULL PROJECTED AREA OF EQUIPMENT.
14. CONCRETE PADS AND MOUNTINGS IN MECHANICAL SPACES SHALL BE COORDINATED WITH ELECTRICAL AND PLUMBING CONTRACTORS.
15. CONTRACTOR TO COORDINATE ALL MECHANICAL AND ELECTRICAL FLOOR AND WALL SLEEVES AND ALL MECHANICAL SHAFTS WITH MECHANICAL, PLUMBING, FIRE-PROTECTION, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS.
16. PROVIDE ACCESS PANELS AS APPLICABLE AND AS REQUIRED FOR MECHANICAL EQUIPMENT. ALL ACCESS PANELS SHALL BE CONCEALED, AND LOCATIONS SHALL BE REVIEWED WITH THE ARCHITECT PRIOR TO PROCEEDING.
17. ALL STRUCTURAL ELEMENTS WHICH DO NOT REQUIRE FIREPROOFING SHALL BE FIELD PAINTED.
18. ALL EXTERIOR DOORS SHALL PREVENT AIR LEAKAGE/INFILTRATION AROUND THEIR
19. ALL EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND PERIMETER WHEN IN A CLOSED POSITION. FOUNDATIONS, BETWEEN WALLS AND ROOFS, AND BETWEEN WALLS AND PANELS AT PENETRATION OF UTILITIES THROUGH THE ENVELOPE SHALL BE SEALED, CAULKED OR WEATHER STRIPPED TO PREVENT AIR LEAKAGE/INFILTRATION.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL AND REMOVAL TASKS. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF WORK.

SECTION NOTES

1. FIRE RETARD ALL CEILINGS WITH 5/8" SHEETROCK FIRE-CODE "X" ONE HOUR RATED, UNLESS OTHERWISE NOTED.
2. ALL FOOTINGS TO BE CARRIED DOWN A MINIMUM OF 4'-0" BELOW ADJACENT GRADE AND BEAR ON UNDISTURBED SOIL HAVING A MINIMUM BEARING CAPACITY OF TWO (2) TONS PER SQUARE FOOT.
3. PROVIDE DOUBLE JOISTS UNDER PARTITIONS RUNNING PARALLEL TO FLOOR BEAMS.
4. PROVIDE TRIPLE-HEADERS AND TRIMMERS AROUND STAIRWELL OPENING, UNLESS OTHERWISE NOTED ON PLAN.
5. INSTALLATION OF INSULATION AND CONSTRUCTION OF WINDOWS AND EXTERIOR DOORS TO COMPLY WITH NEW YORK STATE ENERGY CODE.
ROOF INSULATION: MINIMUM R21 RATED KRAFT FACED FIBERGLASS BATTS
EXTERIOR WALLS: MINIMUM R13 RATED KRAFT FACED FIBERGLASS BATTS.
6. CHIMNEY TO BE ENCLOSED IN A MIN. ONE (1) HOUR RATED ENCLOSURE OR AS NOTES ON CONSTRUCTION DRAWINGS.
8. NEW STAIRS SHALL COMPLY WITH SECTION 28.2-1009.3:
A. CONTRACTORS SHALL CHECK AND VERIFY STORY HEIGHTS PRIOR TO FABRICATION AND INSTALLATION OF STAIRS.
B. MAXIMUM RISER 7" AND MINIMUM TREAD 11"; IN GROUP R-2 OCCUPANCIES THE MAXIMUM RISER SHALL BE 7 3
4" AND MINIMUM TREAD
DEPTH SHALL SHALL BE 9 1
2". SUM OF TWO RISERS PLUS ONE TREAD SHALL NOT
C. UPPER SURFACE OF EVERY BALUSTRADE OR RAILING SHALL BE AT LEAST 2'-6" AND MAXIMUM OF 2'-8" ABOVE THE FRONT EDGE OF THE STAIR TREADS AND 2'-8" MINIMUM, 3'-0" MAXIMUM ABOVE LEVEL OF LANDING.
D. SOFFIT OF STAIR TO BE COVERED WITH 5/8" SHEETROCK TYPE "X".
9. EXTERIOR METAL RAILINGS:
A. EXTERIOR METAL RAILINGS SHALL BE SPACED
B. STRUCTURAL DESIGN OF RAILING TO COMPLY WITH SECTION 28.2-1012.1.
10. ALL CONCRETE FOOTING TO BE CARRIED DOWN BELOW THE LEVEL OF THE HOUSE SEWER WHERE HOUSE SEWER PASSES THROUGH FOUNDATION WALL.
11. ALL CONCRETE TO BE REINFORCED UNLESS OTHERWISE NOTED.
1603.1.5 EARTHQUAKE DESIGN DATA. THE FOLLOWING INFORMATION RELATED TO SEISMIC LOADS SHALL BE SHOWN, REGARDLESS OF WHETHER SEISMIC LOADS GOVERN THE DESIGN OF THE LATERAL-FORCE-RESISTING SYSTEM OF THE BUILDING:
1. SEISMIC IMPORTANCE FACTOR, IE, AND SEISMIC USE GROUP.
2. MAPPED SPECTRAL RESPONSE ACCELERATIONS SS AND S1.
3. SITE CLASS.
4. SPECTRAL RESPONSE COEFFICIENTS SDS AND SD1.
5. SEISMIC DESIGN CATEGORY
6. BASIC SEISMIC-FORCE-RESISTING SYSTEM(S).
7. DESIGN BASE SHEAR.
8. SEISMIC RESPONSE COEFFICIENT(S), CS.
9. RESPONSE MODIFICATION FACTOR(S), R.
10. ANALYSIS PROCEDURE USED.

STRUCTURAL NOTE:

GENERAL CONTRACTOR TO VERIFY INTEGRITY OF EXISTING MASONRY LINTEL BEARING LOCATIONS DURING DEMOLITION AND MAKE REPAIRS AS REQUIRED TO DEVELOPE REQUIRED STRUCTURAL BEARING CAPACITY FOR NEW CONSTRUCTION.

NOTE:

DRAWINGS ARE DIAGRAMATIC IN NATURE FOR STRUCTURAL DESIGNS. G.C. IS TO VERIFY EXISTING STRUTURAL CONDITIONS FOR CAPACITY TO MEET DESIGN INTENT. NOTIFY OWNER / ARCHITECT OF DISCREPENCIES PRIOR TO PROCEEDING. G.C. IS TO REVIEW ALL STRUCTURAL WORK IN PROJECT SCOPE FOR CODE COMPLIANCE & ENGAGE AN ENGINEER WHERE DISCREPENCIES MAY OCCUR PRIOR TO PROCEEDING WITH ANY STRUCTURAL WORK.

SMOKE DETECTOR & CARBON MONOXIDE NOTES

SMOKE DETECTORS SHALL BE INSTALLED AS REQUIRED BY LOCAL LAW 62/81.
EACH DWELLING UNIT SHALL BE EQUIPPED WITH:
1. AN APPROVED TYPE SMOKE DETECTOR DEVICE RECEIVING PRIMARY POWER FROM THE BUILDING WIRING WITH NO SWITCHES IN THE CIRCUIT OTHER THAN THE OVER CURRENT DEVICE PROTECTING THE BRANCH CIRCUIT AS PER C26-1705.3.
2. SUCH SMOKE DETECTOR MUST BE EITHER THE IONIZATION-CHAMBER TYPE OR THE PHOTOELECTRIC TYPE AS PER C26-1705.4 (SUB.B).
3. ALL SMOKE DETECTORS MUST BE INSTALLED WITHIN 15'-0" OF THE ENTRANCE OF ANY SLEEPING ROOM, WALL OR CEILING MOUNTED AND INDICATED ON PLAN AS PER N.F.P.A. 174-1980 AND L.L. 62/81.
4. "A" CERTIFICATE OF SATISFACTORY INSTALLATION FOR SMOKE DETECTORS MUST BE FILED WITH THE DIVISION OF CODE ENFORCEMENT HPD 10 DAYS AFTER INSTALLATION.
5. UNITS TO BE HARP WIRED WITH INSTALLATION TO COMPLY WITH RS 17-12
6. BUILDING COMPLIES WITH LOCAL LAW 7/04 (CARBON MONOXIDE)

HVAC NOTES

1. ALL WORK SHALL CONFORM TO NATIONAL PLUMBING CODE AND NYC BUILDING CODE AND SHALL BE PERFORMED BY LICENSED PLUMBER AND LICENSED HVAC INSTALLER.
2. CONTRACTOR SHALL EXAMINE THE EXISTING CONDITIONS AND INVESTIGATE THE EXACT LOCATIONS OF ALL PIPING AND DUCTWORK. CONTRACTOR SHALL INDICATE LOCATIONS OF THE NEW WORK CONNECTING TO EXISTING.
3. ALL CONFLICTS WITH THE FIELD CONDITIONS SHOULD BE BROUGHT TO THE ARCHITECT'S ATTENTION.
4. VERIFY WITH THE OWNER'S EQUIPMENT FOR THE REQUIRED ELECTRICAL SERVICE.
5. ALL CONDUITS SHALL BE CONCEALED IN WALLS, FLOORS OR CEILING.
6. AIR BALANCE SHALL BE PERFORMED AFTER THE COMPLETION OF DUCTWORK.
7. ARRANGE THE TESTING AND APPROVAL OF PIPING WORK WITH LOCAL AUTHORITIES.
8. PATCH THE FLOORS, WALLS AND CEILING TO THE STANDARDS OF BUILDING.
9. ALL PENETRATIONS THROUGH FLOORS, WALLS AND CEILING SHALL BE AIRTIGHT. DUCT WORK THROUGH FIRE RATED PARTITIONS SHOWULD HAVE FIRE DAMPERS.
12. ROUGH IN PLUMBING SHALL BE LOCATED TO ACCEPT CONNECTIONS OF SUPPLY AND DRAIN PIPES FOR KITCHEN SINKS MOUNTED AT THE HEIGHT OF 28" ABOVE FLOOR.
13. THE FINISHED KITCHEN FLOOR SHALL EXTEND UNDER ADJUSTABLE OR REPLACEABLE BASE CABINET TO THE WALL.
14. AT LEAST ONE 30" WIDE SECTION OF KITCHEN COUNTER SHALL BE ADJUSTABLE OR REPLACEABLE TO PROVIDE ALTERNATIVE HEIGHTS AS PER RS 4-6. SEE KITCHEN ELEVATIONS.
15. ELECTRICAL AND COMMUNICATIONS RECEPTACLES SHALL BE MOUNTED NO LESS THAN 15" ABOVE THE FLOOR.
16. STROBE-LIGHT SMOKE DETECTOR TO BE INSTALLED IN ALL HANDICAPPED ACCESSIBLE APARTMENTS AS PER LOCAL LAW 58/1987.

CHIMNEYS

2113.1.6.1 RESPONSIBILITY OF OWNER OF TALLER BUILDING. WHENEVER A BUILDING IS ERECTED, ENLARGED, OR INCREASED IN HEIGHT SO THAT ANY PORTION OF SUCH BUILDING, EXCEPT CHIMNEYS OR VENTS, EXTENDS HIGHER THAN THE TOP OF ANY PREVIOUSLY CONSTRUCTED CHIMNEYS OR VENTS WITHIN 100 FEET (30 480 MM), THE OWNER OF SUCH NEW OR ALTERED BUILDING SHALL HAVE THE RESPONSIBILITY OF ALTERING SUCH CHIMNEYS OR VENTS TO MAKE THEM CONFORM WITH THE REQUIREMENTS OF THIS CHAPTER. A CHIMNEY OR VENT THAT IS NO LONGER CONNECTED WITH A FIREPLACE OR COMBUSTION OR OTHER EQUIPMENT FOR WHICH A CHIMNEY OR VENT WAS REQUIRED, SHALL BE EXEMPT FROM THIS REQUIREMENT. SUCH ALTERATIONS SHALL BE ACCOMPLISHED BY ONE OF THE FOLLOWING MEANS OR A COMBINATION THEREOF:
1. CARRY UP THE PREVIOUSLY CONSTRUCTED CHIMNEYS OR VENTS TO THE HEIGHT REQUIRED IN THIS CHAPTER.
2. OFFSET SUCH CHIMNEYS OR VENTS TO A DISTANCE BEYOND THAT REQUIRED IN THIS CHAPTER FROM THE NEW OR ALTERED BUILDING PROVIDED THAT THE NEW LOCATION OF THE OUTLET OF THE OFFSET CHIMNEY OR VENT SHALL OTHERWISE COMPLY WITH THE REQUIREMENTS OF THIS CHAPTER.
3. SUCH REQUIREMENTS SHALL NOT DISPENSE WITH OR MODIFY ANY ADDITIONAL REQUIREMENTS THAT MAY BE APPLICABLE PURSUANT TO RULES OF THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION.
2113.1.6.2 PROTECTION OF DRAFT. AFTER THE ALTERATION OF A CHIMNEY OR VENT AS REQUIRED BY THIS SECTION, IT SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE NEW OR ALTERED BUILDING TO PROVIDE ANY MECHANICAL EQUIPMENT OR DEVICES NECESSARY TO MAINTAIN THE PROPER DRAFT IN THE EQUIPMENT.
2113.1.6.3 WRITTEN NOTIFICATION. THE OWNER OF THE NEW OR ALTERED BUILDING SHALL NOTIFY THE OWNER OF THE BUILDING AFFECTED IN WRITING AT LEAST 45 DAYS BEFORE STARTING THE WORK REQUIRED AND REQUEST WRITTEN CONSENT TO DO SUCH WORK. SUCH NOTICE SHALL BE ACCOMPANIED BY PLANS INDICATING THE MANNER IN WHICH THE PROPOSED ALTERATIONS ARE TO BE MADE.
2113.1.6.4 APPROVAL. THE PLANS AND METHOD OF ALTERATION SHALL BE SUBJECT TO THE APPROVAL OF THE COMMISSIONER.
2113.1.6.5 REFUSAL OF CONSENT. IF CONSENT IS NOT GRANTED BY THE OWNER OF THE PREVIOUSLY CONSTRUCTED BUILDING TO DO THE ALTERATION WORK REQUIRED BY THIS SECTION, SUCH OWNER SHALL SIGNIFY HIS OR HER REFUSAL IN WRITING TO THE OWNER OF THE NEW OR ALTERED BUILDING AND TO THE COMMISSIONER; AND THE OWNER OF THE NEW OR ALTERED BUILDING HAVING SUBMITTED PLANS THAT CONFORM TO THE REQUIREMENTS OF THIS SECTION, SHALL THEREUPON BE RELEASED FROM ANY RESPONSIBILITY FOR THE PROPER OPERATION OF THE EQUIPMENT DUE TO LOSS OF DRAFT AND FOR ANY HEALTH HAZARD OR NUISANCE THAT MAY OCCUR AS A RESULT OF THE NEW OR ALTERED BUILDING. SUCH RESPONSIBILITIES SHALL THEN BE ASSUMED BY THE OWNER OF THE PREVIOUSLY CONSTRUCTED BUILDING. SIMILARLY, SHOULD SUCH OWNER FAIL TO GRANT CONSENT WITHIN 45 DAYS FROM THE DATE OF WRITTEN REQUEST OR FAIL TO SIGNIFY HIS OR HER REFUSAL, HE OR SHE SHALL THEN ASSUME ALL RESPONSIBILITIES AS PRESCRIBED ABOVE.
2113.1.6.6 PROCEDURE. IT SHALL BE THE OBLIGATION OF THE OWNER OF THE NEW OR ALTERED BUILDING TO:
1. SCHEDULE THIS WORK SO AS TO CREATE A MINIMUM OF DISTURBANCE TO THE OCCUPANTS OF THE AFFECTED BUILDING; AND
2. PROVIDE SUCH ESSENTIAL SERVICES AS ARE NORMALLY SUPPLIED BY THE EQUIPMENT WHILE IT IS OUT OF SERVICE; AND
3. WHERE NECESSARY, SUPPORT SUCH EXTENDED CHIMNEYS, VENTS AND EQUIPMENT FROM THIS BUILDING OR TO CARRY UP SUCH CHIMNEYS OR VENTS WITHIN HIS OR HER BUILDING; AND
4. PROVIDE FOR THE MAINTENANCE, REPAIR, AND/OR REPLACEMENT OF SUCH EXTENSIONS AND ADDED EQUIPMENT; AND

VENTILATION NOTES:

1.KITCHENETTE DUCTS SHALL BE A MINIMUM 18 GAUGE GALVANIZED METAL.
2.INTERIOR BATHROOM DUCT SHALL BE A MINIMUM 24 GAUGE GALV. SHEET METAL.
3.ALL DUCTS TO BE FITTED WITH B.S.A APPROVED REGISTER & FUSABLE LINK FIRE DAMPERS.
4.ALL MECHANICAL VENTILATION DUCTS SHALL BE ENCLOSED WITH 2 LAYERS OF 1" GYPSUM COREBOARDS TO ACHIEVE A TWO HOURS FIRE RATING.
5.MECHANICAL VENTILATION DUCTS PASS THROUGH WALLS OR FLOORS, THE OPENINGS SHALL BE FIRE STOPPED WIHT VERMICLITE PLASTER & MIRE MESH OR F. 60 GYPSUM BOARD.
6.ALL VENTILATION DUCTS SHALL TERMINATE AT ROOF IN AN APPROVED TYPE EXHAUST FAN. SUCH FANS SHALL HAVE CAPACITIES AS INDICATED ON THE DRAWINGS AND SHALL OPERATE CONTINUOUSLY.
7.ON COMPLETION OF MECHANICAL SYSTEM, SUCH SYSTEM SHALL BE TESTED BY OR UNDER THE SUPERVISION OF.
8.A LICENSED PROFESSIONAL ENGINEER, QUALIFIED TO CONDUCT SUCH A TEST; OR
9.A PERSON HAVING 5 YEARS EXPERIENCE SUPERVISING INSTALLATION OF SUCH SYSTEM & QUALIFIED TO CONDUCT SUCH A TEST. THE TEST SHALL SHOW COMPLIANCE WITH THE CODE REQUIREMENTS FOR VENTILATION AND FUNCTIONING FOR ALL OPERATING DEVICES. THE QUALIFIED TESTER SHALL FILE CERTIFICATE INDICATING THAT THE TEST SHOWS THAT THE RATE OF AIR SUPPLY MEETS REQUIREMENTS OF THE CODE.
10. OWNER SHALL FILE A CERTIFICATE INDICATING THAT THE VENTILATION SYSTEM WILL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CODE.
11. PROVIDE A MINIMUM 144 SQ. IN LOUVRE IN DOORS TO ROOMS WIHT LESS THAN 18 SQ. FT. OF WINDOW AREA.
12. PROVIDE GRAVITU TYPE METAL VENTILATORS FOR COCKLOFT ROOF AREAS BEHIND EXTERIOR FACE BRICK WALLS, FREE AREA OF VENTILATORS SHALL BE A MINIMUM OF 1/300 OF ROOF AREA.

MULTIPLE DWELLING & HOUSE MAINTENANCE NOTES

01. PAINTING OF PUBLIC PARTS WITHIN DWELLING TO COMPLY WITH SEC. D26-12.01 H.M.C.
02. PAINTING OF WINDOW FRAMES AND FIRE ESCAPES TO COMPLY WITH SEC. D26-12.03 H.M.C.
03. WALLS OF COURTS AND SHAFTS TO BE OF A LIGHT COLORED SURFACE AS PER SEC. D26-12.05 H.M.C. AND SEC. 29 M.D.L.
04. PREMISES TO BE MAINTAINED AND KEPT FREE OF RODENT AND INSECT INFESTATION AS PER SEC. D26-13.03 AND D26-13.05 M.D.L.
05. RECEPTACLES FOR THE COLLECTION OF WASTE MATTER TO BE PROVIDED AS PER SECTION D26-14.03 AND D26-14.05 H.M.C. AND SEC. 81 M.D.L.
06. DRAINAGE OF ROOFS, COURTS AND YARDS TO COMPLY WITH SEC. D26-16.03 H.M.C. AND SEC. 77.
07. YEARLY INSPECTION OF CENTRAL HEATING PLANT BY QUALIFIED PERSON TO BE MADE AS PER SEC. D26-17.05 H.M.C. CENTRAL HEAT AND HOT WATER TO BE PROVIDED AS PER SEC. 29 SUBD.
08. PROPER ELECTRIC LIGHTING EQUIPMENT WITHIN DWELLING TO BE PROVIDED AND MAINTAINED AS PER SEC. D26-19.01, D26-19.03 AND D26-19.05 H.M.C.
09. PROPER ELECTRIC LIGHTS TO BE PROVIDED NEAR ENTRANCE WAYS, YARDS AND COURTS AS PER SEC. D26-19.07 H.M.C. ON SEPARATE CIRCUITS OR CONNECTED TO HOUSE LINE SERVICING PUBLIC HALLS, AND IN ACCORDANCE WITH REQUIREMENTS AND APPROVAL OF THE DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY AS PER SEC. 35 AND SEC. 26 SUBD 7A M.D.L. AND DEPARTMENT OF RULES AND REGULATIONS.
10. B.S.A. APPROVED PEEP HOLES APPROX. 5'-0" ABOVE FINISHED FLOOR TO BE PROVIDED IN ENTRANCE DOORS OF DWELLING UNITS AS PER SEC. D26-20.03 H.M.C. AND DEPARTMENT RULES AND REGULATIONS.
11. PROPERLY MOUNTED AND SECURED POLISHED METAL VIEWING MIRRORS TO BE PROVIDED WITHIN SELF SERVICE ELEVATORS (IF ANY) AS PER SEC. D26-20.03 H.M.C. AND DEPARTMENT RULES AND REGULATIONS.
12. KEY LOCKS IN THE ENTRANCE DOOR TO EACH DWELLING UNIT WITH AT LEAST ONE KEY TO BE PROVIDED BY OWNER AS PER SEC. D26-20.05 H.M.C. HEAVY DUTY LATCH SET DEAD BOLT THUMB TURN INSIDE.
13. APPROVED TYPE MAIL RECEPTACLES AND DIRECTORY OF PERSONS LIVING IN THE DWELLING TO BE PROVIDED AS PER SEC. D26-21.01 H.M.C. AND REGULATIONS OF POST OFFICE DEPARTMENT SEC. 57 M.D.L.
14. PROPER SIGNS TO BE PROVIDED IN THE PUBLIC HALLS NEAR STAIR AND ELEVATOR AND WITHIN STAIR ENCLOSURE AS PER SEC. D26-21.03 AND DEPARTMENT RULES AND REGULATIONS.
15. PROPER STREET NUMBERS TO BE PROVIDED IN FRONT OF DWELLING AS PER SEC. D26-21.05 H.M.C. AND RULES AND REGULATIONS OF BOROUGH PRESIDENT.
16. PROPER JANITORIAL SERVICES TO BE PROVIDED AS PER SEC. 26-22.03 AND D26-22.05 H.M.C.
17. EVERY KITCHEN AND KITCHENETTE TO BE PROVIDED WITH SINK HAVING MIN. 2" WASTE AND TRAP AS PER SEC. D26-32.01 H.M.C.
18. ALL COMBUSTIBLE MATERIAL WITHIN 1'(FT) OF COOKING APPARATUS TO BE PROPERLY FIRE RETARDED AND MIN. 2'(FT) CLEARANCE MAINTAINED ABOVE COOKING SURFACE. COMBUSTIBLE MATERIAL BETWEEN 2'(FT) AND 3'(FT) ABOVE EXPOSED SURFACE TO BE FIRE RETARDED. SEC. 26-32.05 H.M.C. AND DEPARTMENT RULES AND REGULATIONS SEC. 33 SUBD 3 M.D.L.
19. NO KITCHEN SHALL BE OCCUPIED FOR SLEEPING PURPOSES SEC. D26-33.05 H.M.C.
20. REGISTRATION STATEMENT TO BE FILED AS PER SEC. D26-41.01 AND D26-41.03 H.M.C.
21. REGISTRATION IDENTIFICATION SIGN CONTAINING SERIAL NUMBERS TO BE POSTED AS PER SEC. D26-41.15 H.M.C. 22. IDENTIFICATION OF MANAGING AGENT OR OWNER TO BE INDICATED ON TENANTS RENT RECEIPT AS PER SEC. D26-41.17 H.M.C.
23. ALL BATHROOMS, TOILETS AND BATHING COMPARTMENTS TO HAVE CERAMIC TILE FLOOR AND 6" MIN. CERAMIC TILE BASE. WALLS AND CEILING PLASTER AS PER SEC. 76 M.D.L. AND SEC. D26-31.03 H.M.C.
24. ALL DOORS LEADING TO PUBLIC HALLS SHALL BE SELF CLOSING. NO TRANSOM OR PLAIN GLASS PANELS.
25. BUILDING TO COMPLY WITH SEC. 64 M.D.L. GAS METER, GAS APPLIANCES AND ARTIFICIAL LIGHTING.
26. BUILDING TO COMPLY WITH LOCAL LAWS APPLICABLE TO ART. 6 WITH H.M.C. AND WITH DEPARTMENT RULES AND REGULATIONS.
27. ENTIRE BUILDING TO COMPLY WITH SEC. D26-33.03 H.M.C. MAXIMUM OCCUPANCY, MINIMUM ROOM AREA ART. 33 D26-33.01.
28. ALL NEWLY CREATED PARTITIONS IN HALLS TO BE FIRE RETARDED ON BOTH SIDES AND FIRE STOPPED AT TOP AND BOTTOM AS PER DEPARTMENT RULES AND REGULATIONS, RULE 1,2,10 AND RULE 1.7.
29. EVERY VESTIBULE ENTRANCE, PUBLIC AND STAIR HALL TO BE PROVIDED WITH MIN. OF 60 WATT LIGHT AS PER SEC. 37 SBOL M.D.L.

FINISHES & DETAILS

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

ARCHITECT / ENGINEER / CONTRACTOR / OWNER RESPONSIBILITY NOTES:

1. ARCHITECT /OR ENGINEER OF RECORD HAS NOT BEEN RETAINED TO SUPERVISE CONSTRUCTION.
2. ARCHITECT /OR ENGINEER RESPONSIBILITY IS LIMITED TO DESIGN AND APPROVAL OF THE PROJECT.
3. CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND SHALL NOTIFY THE ARCHITECT/OR ENGINEER OF RECORD OF ANY DISCREPANCIES.
4. DESIGN RESPONSIBILITY IS CONTRACTUAL WITH THE PROJECT OWNER ONLY.

ZONING NOTES:

IT SHOULD BE NOTED THAT BOTH THE NEW YORK CITY DEPARTMENT OF BUILDINGS, ZONING RESOLUTION AND BUILDING CODE ARE QUITE SOPHISTICATED AND ARE CONSTANTLY UNDERGOING CHANGES AND AT MANY TIMES ARE OPEN TO INTERPRETATION BY VARIOUS DEPARTMENT OFFICIALS. PREVIOUS FEASIBILITY/ZONING STUDIES SHOULD BE TAKEN AS A PRELIMINARY ANALYSIS AND TO BE UNDERSTOOD THAT ONLY FINAL APPROVAL OF CONSTRUCTION DOCUMENTS, APPLICATIONS AND ISSUANCE OF BUILDING PERMITS CAN BE CONSIDERED ACCURATE.

HOUSING MAINTENANCE NOTES:

1. OWNERS OBLIGATION AS PER SECTION 27-2005 H.M.C.
2. TENANTS DUTIES AS PER SECTION 27-2006 H.M.C.
3. CLEANING OR ROOF, YARDS, COURTS AND OTHER OPEN SPACES SHALL COMPLY WITH SECTION 27-2010 H.M.C.
4. CLEANING OF INTERIOR SPACES TO COMPLY WITH SECTION 27-011 H.M.C.
5. CLEANING OF INTERIOR OF DWELLING SHALL COMPLY WITH SECTION 27-1012 H.M.C.
6. PAINTING OF PUBLIC PARTS AND WITHIN DWELLING SHALL COMPLY WITH SECTION 27-2013 H.M.C.
7. PAINTING OF WINDOW FRAME SHALL COMPLY WITH SECTION 27-2014 H.M.C
8. WATER SUPPLY TO BUILDING TO COMPLY WITH SECTION 27-2024 H.M.C.
9. WATER SUPPLY TO UNITS TO COMPLY WITH SECTION 27-2025 H.M.C.
10. DRAINAGE OF ROOF,COURTS AND YARDS TO COMPLY WITH SECTION 27-2027 H.M.C
11. BUILDING MINIMUM TEMPERATURE TO BE MAINTAINED AS PER SECTION 27-2029 H.M.C.
12. SUPPLY OF HOT WATER TO COMPLY WITH SECTION 27-2031H.M.C.
13. ELECTRICAL LIGHTING EQUIPMENT IN ALL DWELLING UNITS TO COMPLY WITH SECTION 27-2037 H.M.C.
14. STREET NUMBERS SHALL BE POSTED AND MAINTAINED AS PER SECTION 27-2047 H.M.C.
15. RECEPTACLES FOR WASTE MATTER COLLECTION OF WASTE MATTER AS PER SECTION 27-2023H.M.C
16. TO BE PROVIDE AS PER SECTION 27-2021H.M.C.
17. OWNER OR OCCUPANT SHALL CONTROL AND KEEP THE BUILDING FREE OF RODENT AS PER SECTION 27-2018 H.M.C.
18. MAXIMUM PERMITTED OCCUPANCY TO COMPLY WITH SECTION 27-2075 H.M.C.
19. MAINTENANCE OF SEWER CONNECTION AND PLUMBING FIXTURE TO COMPLY WITH SECTION 27-2026 H.M.C.
20. ENTRANCE DOOR OF EACH DWELLING UNITS TO BE PROVIDE WITH B.S.A. APPROVED TYPE PEEPHOLES. THE DISTANCE ABOVE THE INSIDE FINISH FLOOR TO THE CENTER OF THE PEEPHOLE SHALL BE APROXIMATELY 5'-0", AS PER SECTION 27-2041 H.M.C.
21. LIGHTING, GAS METER,GAS APPLIANCE SHALL COMPLY WITH SECTION 64 M.D.L. AND ARTICLE 18 H.M.C.
22. ELECTRICAL LIGHTING FIXTURE SHALL BE INSTALLED IN PUBLIC HALLS AS PER SECTION 27-2038 H.M.C.
23. ALL DOORS TO PUPLIC HALL TO BE SELF-CLOSING.
24. NIGHT LIGHT IN PUPLIC HAAL AND SRAIR HALL TO BE PROVIDED AS PER SECTION 27-2039
25. PROVIDE EXTERIOR LIGHT AS PER SECTION 26 AND 35 M.D.L.
26. ALL BUILDING ENTRANCE DOORS TO BE SELF-CLOSING AND AUTOMATIC SELF-LOCKING DOORS AS PER SECTION 50 M.D.L.
27. MAIL SERVICE TO BE PROVIDED AS PER SECTION 27-2047 H.M.D.
28. EXISTING CENTRAL HEAT TO BE AS PER SECTION 27-2048 H.M.C.
29. LIGHTS NEAR ENTRANCE WAYS AND IN YARDS AND COURTS TO BE MAINTAINED AS PER SECTION27-2040 H.M.C.
30. DUTIES OF OWNER AND OCCUPANCY WITH RESPECT TO THE INSTALLATION AND MAINTENANCE OR SMOKE DETECTING SERVICE TO BE AS PER SECTION 27-2045H.M.C.
31. FLOOR SIGNS SHALL BE POSTED AND MAINTAINED AS PER SECTION 27-2048 H.M.C.
32. STREET NUMBERS SHALL BE POSTED AND MAINTAINED AS PER SECTION 27-2049 H.M.C.
33. RESIDENCE OR PERSONS PERFORMING JANITORIAL SERVICES, FOR A MULTIPLE DWELLING OG NINE OR MORE UNITS SHALL BE COMPLY WITH SECTION 27-2054 H.M.C.
34. CERTIFICATION OF COMPETENCY OF JANITOR FOR MULTIPLE DWELLING ON NINE OR MORE UNITS SHALL COMPLY WITH SECTION 27-2055 H.M.C.
35. REGISTRATION STATEMENT SHALL BE FILED AS PER SECTION 27-2097 H.M.C.
36. POSTING OF IDENTIFICATION SIGN AND SERIAL NUMBER TO BE AS PER SECTION 27-2204 H.M.C.
37. INSTALLATION OF WINDOW GUARDS ON THE WINDOWS, IF ANY, IN PUBLIC HALL OF A MULTIPLE DWELLING IN WICH SUCH CHILDREN RESIDE SHALL COMPLY WITH MULTIPLE DWELLING RULES, DATED OCTOBER 10, 1986.
38. PROVIDE FOR APARTMENT ENTRY DOORS, HEAVY DUTY LATCH SET WITH HEAVY DUTY DEADBOLT AND CHAIN DOOR GUARD.

GENERAL REQUIREMENTS.

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF NEW YORK ZONING CODE, AND THE DIRECTIONS OF THE CITY OF NEW YORK BUILDING DEPARTMENT. SOULD ANYTHING CONTAINED IN THE CONTRACT DOCUMENT BE A VARIANCE WITH SAID CODES. CONTRACTORS SHALL IMMEDIATELY INFORM THE ARCHITECT.
2. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS ON THESE DOCUMENTS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS OF THE WORK AND THE ARCHITECT SHALL BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THE DRAWINGS.
3. CONTRACTORS SHALL PROVIDE ALL ITEM AND LABOR NECESSARY FOR THE COMPLETION OF THE WORK SHOWN ON THE CONTRACT DOCUMENT WHETHER THOSE ITEMS ARE EXPRESSLY SPECIFIED OR NOT, INCLUDING, BUT NOT LIMITED TO TAX , PURCHASE DELIVERY ARRANGEMENT AND STORAGE.
4. PRIOR TO THE SUBMISSION OF BIOS, CONTRACTORS SHALL FAMILIARIZA THEMSELVES WITH CONSTRUCTION DOCUMENTS INSPECT THE EXISTING CONDITIONS AND ADVISE THE ARCHITECT OF ANY CONDITIONS WHICH MIGHT INTERFACE WITH THE WORK OR CAUSE ANY MODIFICATIONS TO THE PROPOSED NEW CONSTRUCTION.
5. CONTRACTORS SHALL PROVIDE SUPERVISION ADEQUATE FOR THE COMPLETION OF THE WORK.
6. CONTRACTORS SHALL COORDINATE ALL LABOR AND MATERIALS INVOLDED IN THE PROJECT AND BE RESPONSIBLE FOR SCHEDULING OF TRADES INVOLVED.
7. CONTRACTORS SHALL BE LICENSED AND INSURED FOR LIABILITY AND PROPERTY DAMAGE AS REQUIRED BY LAW AND THE BUILDING OWNER SHALL SUBMIT SUCH PROOF TO THE OWNER AND ARCHITECT TO VOID THAT ANY CLAIMS AND/OR LIENS ON THE WORK BE ASSOCIATED WITH THE OWNER AND ARCHITECT.
8. CONTRACTORS SHALL CARRY INSURANCE FOR A MINIMUM OF 100 PERCENT OF THE VALUE OF WORK IN PLACE AND SHALL COMPLY WITH ANY AND ALL ADITIONAL SUCH REQUIREMENTS.
9. CERTIFICATES OF INSURANCE TO BE FILED WITH THE BUILDING OWNER AND ARCHITECT LISTING EACH AS CO-INSURED.
10. CONTRACTORS SHALL BE RESPONSIBLE FOR AND SHALL OBTAIN AND PAY FEES FOR ANY ALL PERMITS NECCESSARY TO COMPLETE THE WORK , INCLUDING BUT NOT LIMITED TO, PLUMBING, MECHANICAL, AND ELECTRICAL INSPECTIONS AND WORK.
11. NO EXTRA SHALL BE PERFOMED OR ADDITIONAL CHARGES BE MADE UNLESS AUTHORIZATION IS OBTAINED IN WRITING FROM THE OWNER AND ARCHITECT PRIOR TO SUCH WORK .
12. CONTRACTORS SHALL EXAMINE CONTRACT DOCUMENT FOR ALL ITEMS AND VERIFY THEIR AVAILABILITY TO ASSURE THAT THE WORK WILL PROCEED WITHOUT DELAY. NO THEIR AVAILABILITY TO ASSURE THAT THE WORK PROCCED WITHOUT DELAY . NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.
13. CONTRACTORS SHALL MAINTAIN CONTINUOUS AND ADEQUATE PROTECTION OF ALL EXISTING CONDITIONS AND NEW CONSTRUCTION , AND SHALL REPAIR OR REPLACE ANY WORK, NEW OR EXISTING, WHICH IS DAMAGED.
14. CONTRACTORS SHALL KEEP JOB SITE FREE OF DEBRIS AND HAZARDOUS CONDITIONS AND BE RESPONSIBLE FOR THE REMOVAL OF ALL EQUIPMENT AND DEBRIS PRIOR TO RECEIPT OF PAYMENT. ALL WORK PROCEDURES AND METHODS SHALL COMPLY WITH OSHA AND OTHER APPLICABLE REGULATIONS.
15. CONTRACTORS SHALL THOROUGHLY EXAMINE ALL CONTRACT DOCUMENT AND IMMEDIATELY ADVISE THE ARCHITECT OF ANY ERROR, CONFLICTS OR DISCREPANCIES IN THE DOCUMENTS IN THE WRITING. ARCHITECT WILL NOT BE LIABLE FOR ASSUMPTIONS MADE BY THE CONTRACTOR.
16. ALL WORK AND EQUIPMENT SHALL BE FULLY GUARANTEED FOR ONE YEAR FORM THE DATE OF FINAL PAYMENT.
17. THE CONTRACTOR SHALL COOPERATE WITH OTHER REQUIRING STORAGE AT THE SITE.
18. ALL WORK SHALL BE DONE IN A WORKMANLIKE MANNER AND IN ACCORDANCE WITH GOOD BUILDING PRACTICE.
19. THE CONTRACTOR TO ENSURE ADECUATE CLEARANCE FOR MOVING ALL MATERIALS, ASSEMBLIES AND EQUIPMENT ONTO AND OFF THE SITE AS REQUIRED.
20. THE CONTRACTOR SHALL PAY ALL FEES GIVE ALL NOTICES, FILES NECESSARY DRAWINGS, ARRANGE FOR ALL INSPECTIONS, OBTAIN ALL PERMITS AND CERTIFICATE OF APPROVAL REQUIRED IN CONNECTION WITH ALL WORK UNDER THIS CONTRACT . THE SHALL COMPLY WITH ALL LOCAL LAWS, ORDINANCE, RULES AND REGULATIONS AND WITH THE CITY OF NEW YORK BUILDING CODE AND THE DIRECTION OF THE DESIGNATED BUILDING INSPECTOR.
21. CONTRACTOR SHALL APPROPRIATELY COORDINATE WORK COMPLETED AND SCHEDULE ARCHITECTS SITE OBSERVATIONS.
22. CONTRACTOR SHALL COORDINATED AND COMPLY WITH BUILDING OWNER SHEDULING REQUIREMENTS AND COMMUNICATE WITH BUILDING OWNER.
23. ALL NOTES APPLY TO BOTH THE GENERAL CONTRACTOR AND THE SUBCONTRACTORS AS WELL AS ANY WORKRS AND TRADES EMPLOYED BY THE OWNER UNDER OTHER AGREEMENTS.
24. CONTRACTORS SHALL SUCH LIST OF WORK REMAINING AFTER SUBSTANTIAL COMPLETION TO THE ARCHITECT AND PROCEED TO COMPLETE THIS WORK WITHIN A TWO WEEK PERIOD.
25. ALL MATERIALS AND EQUIPMENT SPECIFIED FOR THIS PROJECT ARE TO BE NEW AND UNUSED, BEST OF THEIR RESPECTIVE KINDS AND FREE OF DEFECTS.

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY ,11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

Project:
391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-GENERAL NOTES CONTINUED

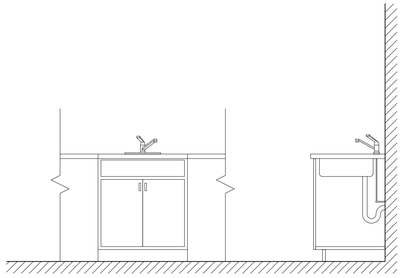
Job Application #:

PROJECT : 15009 | Drawn by: GARETH ENAHORO

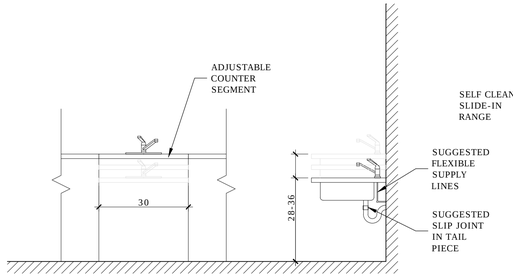
Date: 09.25.2015

Drawing No.:
N-101

Genaro R. Urueta , R.A.. © Copyright 2015



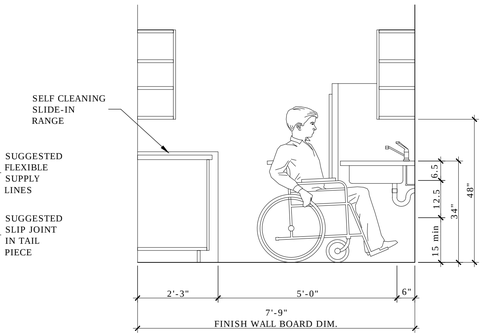
(A) BEFORE REMOVAL OF CABINETS AND BASE



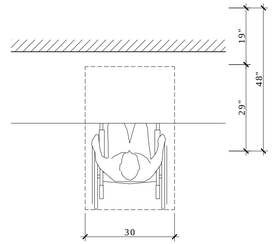
(B) CABINETS AND BASE REMOVED AND HEIGHT ALTERNATIVES

KITCHEN SINK

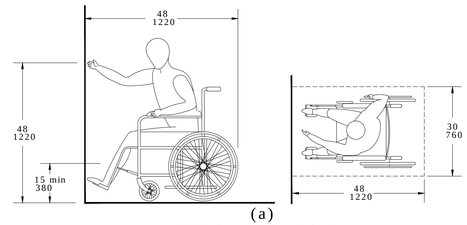
ADAPTABLE KITCHENS (CAPABLE OF POSSIBLE FUTURE CONVERSION TO ACCESSIBLE KITCHENS)



KITCHEN CLEARANCE DIMENSIONS

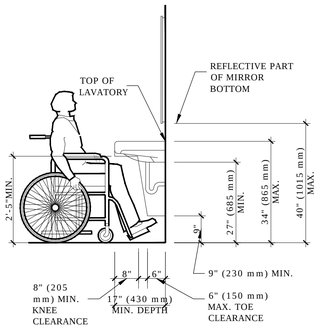


(C) CLEAR FLOOR SPACE UNDER WORK SURFACE

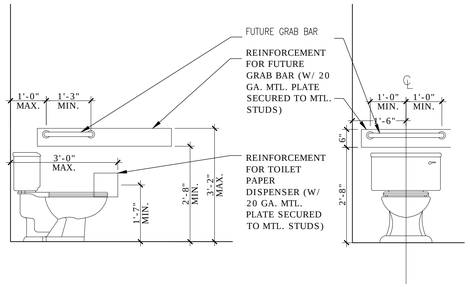


(a)
High Forward Reach Limit
Forward Reach

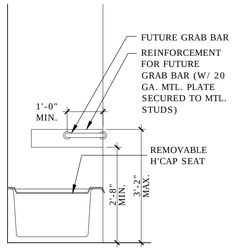
FIG. 5



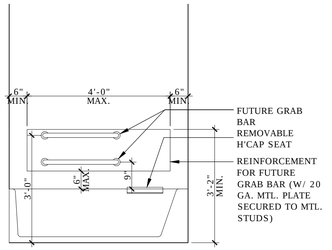
ADAPTABLE TOILET



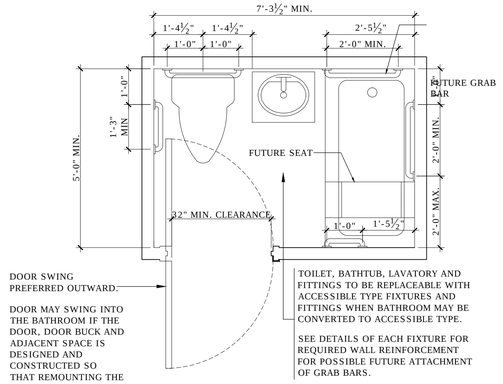
ADAPTABLE TOILET



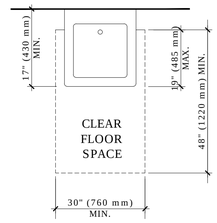
ADAPTABLE BATHTUB



ADAPTABLE BATHTUB



ADAPTABLE BATHROOM
(MIN. PERMISSIBLE SIZE)

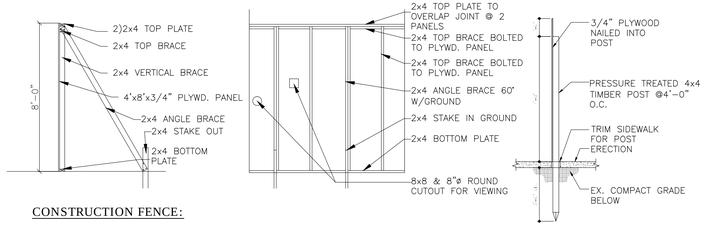


OPTIONAL ACCESSIBLE
(LAVATORY)

DRAWING LEGEND AND ABBREVIATION:

MO	MASONRY OPENING
NEC	NECESSARY
REF	REFIGERATOR
STL	STEEL
VER	VERIFY
VLIF	VERIFY LOCATION IN FIELD
W/D	WASHER DRYER
WO	WALL OVEN
FF	FINISH FLOOR
REQ'D	REQUIRED
RO	ROUGH OPENING
TBD	TO BE DETERMINED
MO	MASONRY OPENING
OC	ON CENTER
A/C	AIR CONDITIONING
AFF	ABOVE FINISH FLOOR
APT	APARTMENT
CH	CEILING HEIGHT
CLG	CEILING
D/W	DISHWASHER
FL	FLOOR
FPSC	FIRE PROOF SELF CLOSING
FR DR	FRENCH DOOR
FRZ	FREEZER
GALV.	GALVANIZED
GYP	GYPSUM BOARD
HT	HEIGHT

- EXISTING BRICK EXTERIOR WALL TO REMAIN
- PROPOSED LIGHT GAUGE 2HR FIRE BEARING EXTERIOR WALL
- PROPOSED BLOCK 2HR FIRE BEARING EXTERIOR WALL
- PROPOSED LIGHT GAUGE METAL STUD NON RATED PARTITION
- PROPOSED 1 HOUR RATED WALL
- PROPOSED 2 HOUR RATED WALL
- PROPOSED LIGHT GAUGE METAL STUD MASONRY EQUIVALENT PARTITION
- NEW — NEW DOOR
- EXISTING DOOR TO REMAIN
- CARB. — COMBINATION CARBON MONOXIDE & SMOKE ALARM DETECTOR- ALL IN ONE ACTIVATED & INTERCONNECTED
- 75 CMF VENT
- 4A — WALL TYPE SIGN
- P 4 — PLUMBING RISER / RISER LINE NUMBER
- A A4 — SECTION / PAGE



CONSTRUCTION FENCE:

AS PER SECTION 27-1021 OF THE NYC BUILDING CODE. FENCES SHALL BE AT LEAST EIGHT FEET HIGH, AND CONSTRUCTED OF WOOD OR OTHER SUITABLE MATERIAL. THEY SHALL BE BUILT SOLID FOR THEIR ENTIRE LENGTH, EXCEPT FOR OPENINGS WITH SOLID SLIDING OR IN SWINGING SIC] GATES AS ARE REQUIRED FOR THE PROPER PROSECUTION OF THE WORK, AND FOR VIEWING PANELS, WHICH SHALL BE BLOCKED WITH PLEXIGLASS OR EQUIVALENT NON-FRANGIBLE MATERIAL.

ADA GENERAL NOTES:

ACCESSIBLE ROUTE:
A CONTINUOUS UNOBSTRUCTED PATH CONNECTING ALL ACCESSIBLE SPACES AND ROOMS IN A BUILDING THAT CAN BE NEGOTIATED BY ALL CATEGORIES OF PEOPLE HAVING PHYSICAL DISABILITIES.

PORTIONS OF ACCESSIBLE ROUTES WITH SLOPES OF MORE THAN 1:20 ARE RAMPS AND SHALL COMPLY WITH REQUIREMENTS FOR RAMPS.

AN INTERIOR ACCESSIBLE ROUTE SHALL BE PROVIDED FROM THE ENTRANCE OF THE BUILDING TO ALL DWELLING UNITS IN THE BUILDING. ALL DWELLING UNITS ARE TO BE ADAPTABLE.

ADAPTABLE DWELLING UNITS:
DWELLING UNITS WHICH ARE CONSTRUCTED ON AN ACCESSIBLE ROUTE AND EQUIPPED AS SET FORTH IN REFERENCE STANDARD RS 4-6 OF THE NYC BUILDING CODE SO THAT THEY CAN BE CONVERTED TO BE USED, WITH A MINIMUM OF STRUCTURAL CHANGE, BY ALL CATEGORIES OF PERSONS HAVING PHYSICAL DISABILITIES.

ALL DOORS TO BE PROVIDED WITH HANDICAP COMPLIANT HARDWARE AND SADDLES AS PER SEC.4.13, ANSI A117.1. ADAPTABLE DWELLING UNITS SHALL BE EQUIPPED WITH DOOR WIDTHS AND CLEAR FLOOR SPACES FOR POSSIBLE OCCUPANTS WITH PHYSICAL DISABILITIES. ADAPTABLE SPACES WITHIN DWELLING UNITS SHALL INCLUDE KITCHENS AND BATHROOMS AND THEIR RESPECTIVE DOORWAYS.

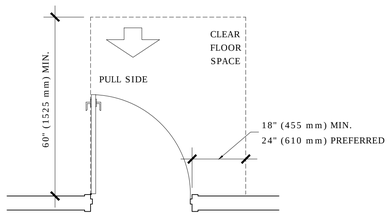
THE INFORMATION SHOWN ON THIS DRAWING IS FOR GUIDANCE PURPOSES ONLY AND OUTLINE THE MOST COMMON ACCESSIBILITY CRITERIA APPLICABLE TO THIS JOB. THEY DO NOT CONSTITUTE A COMPREHENSIVE DESCRIPTION OF ALL POSSIBLE CRITERIA WHICH ARE GIVEN IN RS 4-6 OF THE NYC BLDG. CODE AND ANSI A1117.1 - 1986 AS MODIFIED BY RS 4-6.

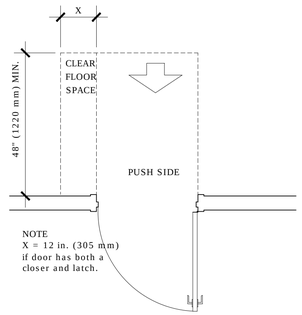
THE GENERAL CONTRACTOR MUST DO ALL WORK IN ACCORDANCE WITH THESE REGULATIONS.

ADA GENERAL NOTES:

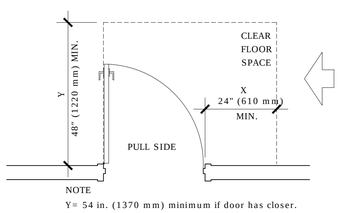
1. ONE LOWERABLE WORK SURFACE, 30" WIDE, IS REQUIRED, WITH REMOVABLE BASE CABINETS. HEIGHT TO BE ADJUSTABLE BETWEEN 28" AND 36" AFF TO COUNTERTOP.
2. ONE LOWERABLE SINK SURFACE, 30" WIDE, IS REQUIRED, WITH REMOVABLE BASE CABINETS. HEIGHT TO BE ADJUSTABLE BETWEEN 28" AND 36" AFF TO COUNTERTOP.
3. OVENS ARE ASSUMED TO BE SELF-CLEANING TYPE. IF OTHERWISE, PROVIDE A MINIMUM 30" ADJUSTABLE COUNTER SPACE WITH REMOVABLE BASE CABINETS NEXT TO OVEN.
4. A MINIMUM 36" TURNAROUND SPACE UNDER THE COUNTER WITH REMOVABLE BASE CABINETS SHALL BE PROVIDED IN DEEP CLOSED ENDED GALLEY KITCHENS AND OTHER U-SHAPED KITCHENS WHERE THE CLEARANCE BETWEEN CABINETS IS LESS THAN 5'-0". THE MINIMUM CLEARANCE BETWEEN CABINETS SHALL BE 40".
5. 48" A.F.F. WHEN CONVERTED TO ACCESSIBLE KITCHEN. PROVIDE REQUIRED WALL REINFORCEMENT FOR POSSIBLE FUTURE RELOCATION.

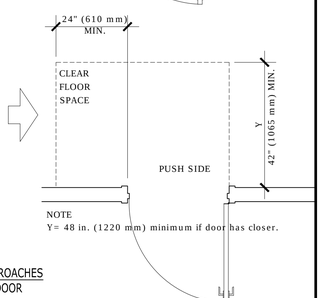
1. 309.1 General. Operable parts required to be accessible shall comply with Section 309.
2. 309.2 Clear Floor Space. A clear floor space complying with Section 305 shall be provided.
3. 309.3 Height. Operable parts shall be placed within one or more of the reach ranges specified in Section 308.
4. 309.4 Operation. Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds (22.2 N) maximum.





FRONT APPROACHES SWINGING DOOR





LATCH-SIDE APPROACHES
SWINGING DOOR

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info
GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY ,11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:
391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-ADA DIAGRAM / NOTES
-DRAWING SET LEGEND
-CONSTRUCTION FENCE DETAIL

Job Application #:

PROJECT : 15009 | Drawn by: GARETH ENAHORO

Date: 09.25.2015

Drawing No.:
N-102

SHEET NO: 6 OF 22

Genaro R. Urueta , R.A . © Copyright 2015

DEMOLITION NOTES

1. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE RULES AND REGULATIONS OF THE NEW YORK STATE BUILDING CODES AND ALL OTHER NEW YORK CITY AGENCIES OR DEPARTMENTS HAVING JURISDICTION OF ANY PORTION OR SPECIFIC PHASE OF THE WORK

2. THE GENERAL CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED FOR THE PERFORMANCE OF THIS WORK AND PAY ALL FEES IN3 CONNECTION THEREWITH.

3. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK. FAILURE TO NOTIFY THE ARCHITECT WILL NOT RELIEVE THE GENERAL CONTRACTOR OF RESPONSIBILITY TO PERFORM THE WORK AS INTENDED BY THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR SHALL CORRECT ANY AND ALL WORK ARISING FROM SUCH FAILURE TO
COORDINATE DISCREPANCIES TO THE SATISFACTION OF THE ARCHITECT.

4. THE GENERAL CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING ITEMS TO REMAIN AND SHALL REPAIR AND/OR REPLACE ANY ITEMS DAMAGED DURING THE COURSE OF THE WORK TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER.

5. THE GENERAL CONTRACTOR SHALL VISIT THE BUILDING(S) AND THE SITE OF THE PROPOSED WORK PRIOR TO THE CONTRACT SIGNING TO EXAMINE THE CONDITIONS OF THE SITE AND BUILDING(S). HE SHALL STUDY THE SITE AND BUILDING(S) COMPARING THEIR CONDITION TO THE INTENT OF THE CONTRACT DOCUMENTS AND SHALL NOTIFY THE ARCHITECT IN WRITING SEVEN (7) CALENDAR DAYS IN ADVANCE OF THE CONTRACT SIGNING OF ALL DISCREPANCIES OR QUALIFICATIONS WHICH MAY ARISE.

6. FLOOR, WALLS AND CEILING SURFACES SHALL BE PATCHED AND REPAIRED AS REQUIRED BEFORE APPLYING ANY FINISHED MATERIALS.

7. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ALL CASES WHERE PIPING, DUCTWORK, STRUCTURE, ETC., BREAKS BELOW FINISHED AND EXPOSED CEILING LINES INDICATED, PRIOR TO INSTALLATION. SOFFIT AS DIRECTED AROUND SUCH OBSTRUCTIONS.

8. WHERE HEATING AND PLUMBING PIPES ARE CONCEALED IN HUNG OR FURRED CEILINGS. THESE CEILINGS SHALL NOT BE BUILT UNTIL THE HEATING AND PLUMBING LINES HAVE BEEN TESTED.

9. ALL MECHANICAL, PLUMBING AND ELECTRICAL LINES AND ALL DUCTS SHALL BE ENCLOSED IN GYPSUM WALL BOARD SOFFITS, CHASES OR SHAFTS UNLESS SPECIFICALLY SHOWN IN SOME OTHER MANNER.

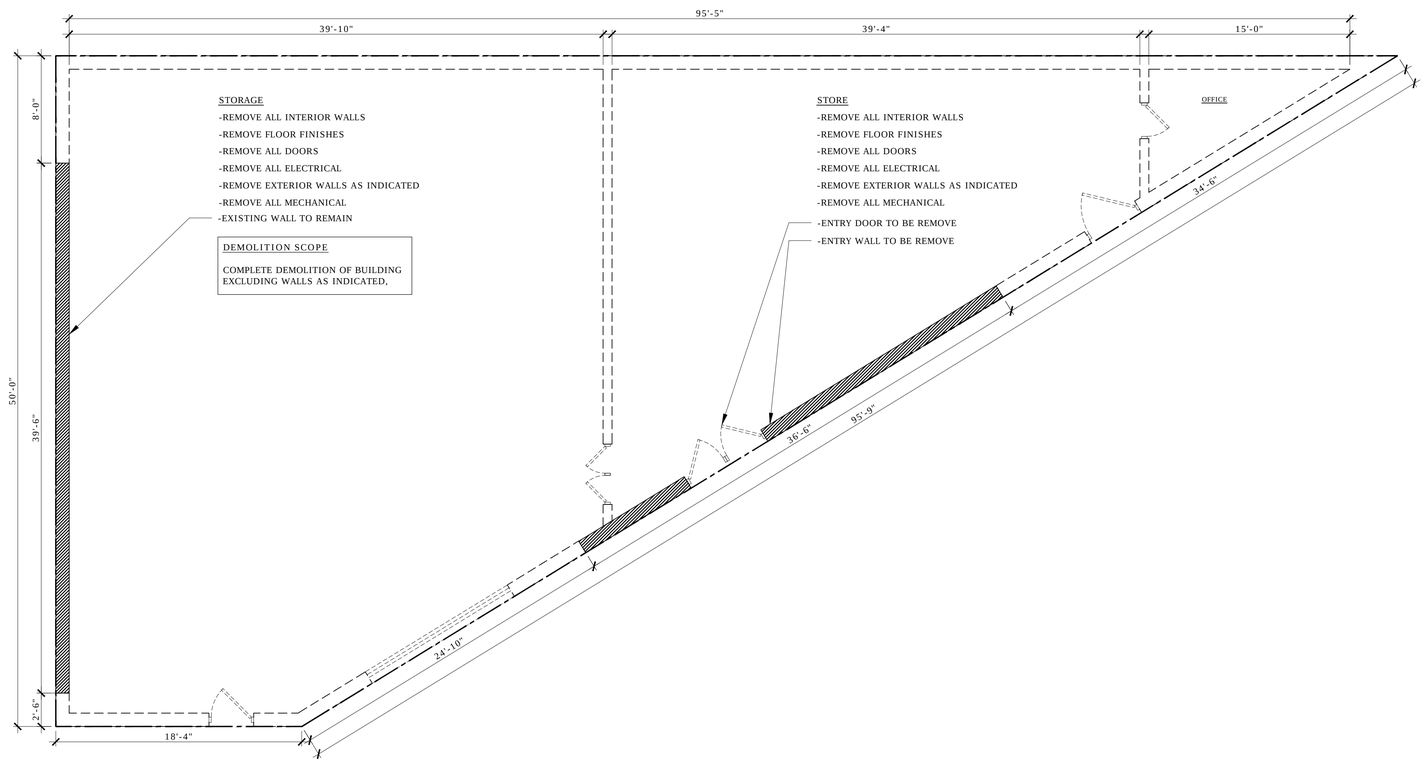
10. ANY ASBESTOS CONTAINING MATERIALS SHALL BE HANDLED AND DISPOSED OF IN ACCORDANCE WITH NEW YORK STATE LAW.

11. FIRE STOPPING SHALL COMPLY WITH THE PROVISIONS OF THE NEW YORK STATE CODE.

12. USE ALL MEANS NECESSARY TO PREVENT DUST DURING THE PERFORMANCE OF THIS WORK AND PREVENT DUST BEING A NUISANCE TO THE TENANTS, WORKMEN AND CONCURRENT PERFORMANCE OF THE WORK.

13. ALL ROTTED AND DEFECTIVE BEAMS ARE TO BE REPLACED WITH NEW EQUAL SIZE, OR UNLESS OTHERWISE AT NOTED ON PLANS

14. BOND AND TIE ALL NEW MASONRY TO EXISTING.



DEMOLITION PLAN

SCALE: 3/16" = 1'-0"

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.

54-21 71ST STREET
MASPETH, NY ,11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035610 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-DEMOLITION PLANS / NOTES

Job Application #:

PROJECT : 15009 | Drawn by: GARETH ENAKORO

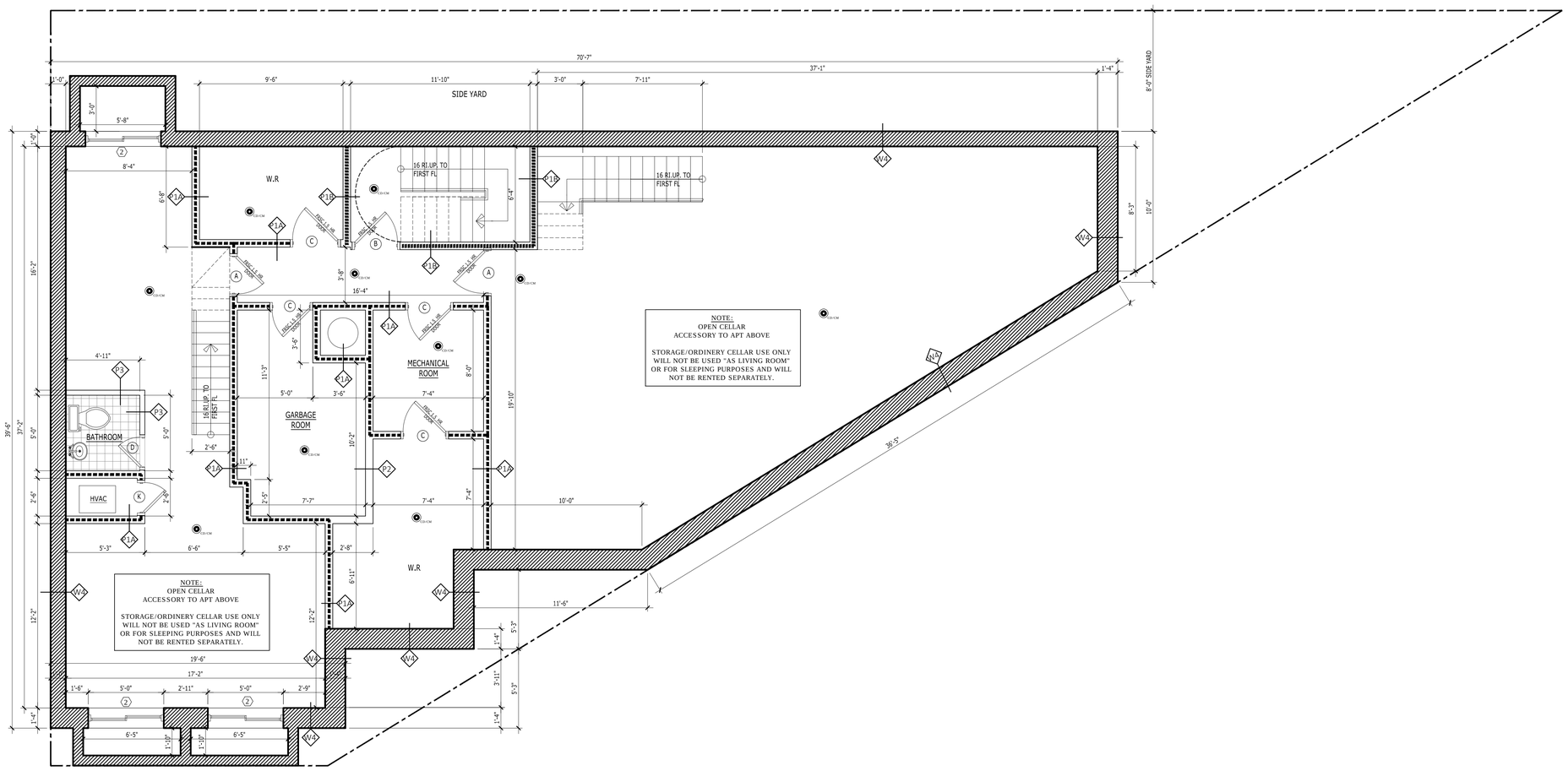
Date: 09.25.2015

Drawing No.:

DM-100

SHEET NO: 7 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015



PROPOSED CELLAR PLAN

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

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY ,11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-PROPOSED FLOOR PLANS

Job Application #:

PROJECT : 15009 | Drawn by: GARETH ENAHORO

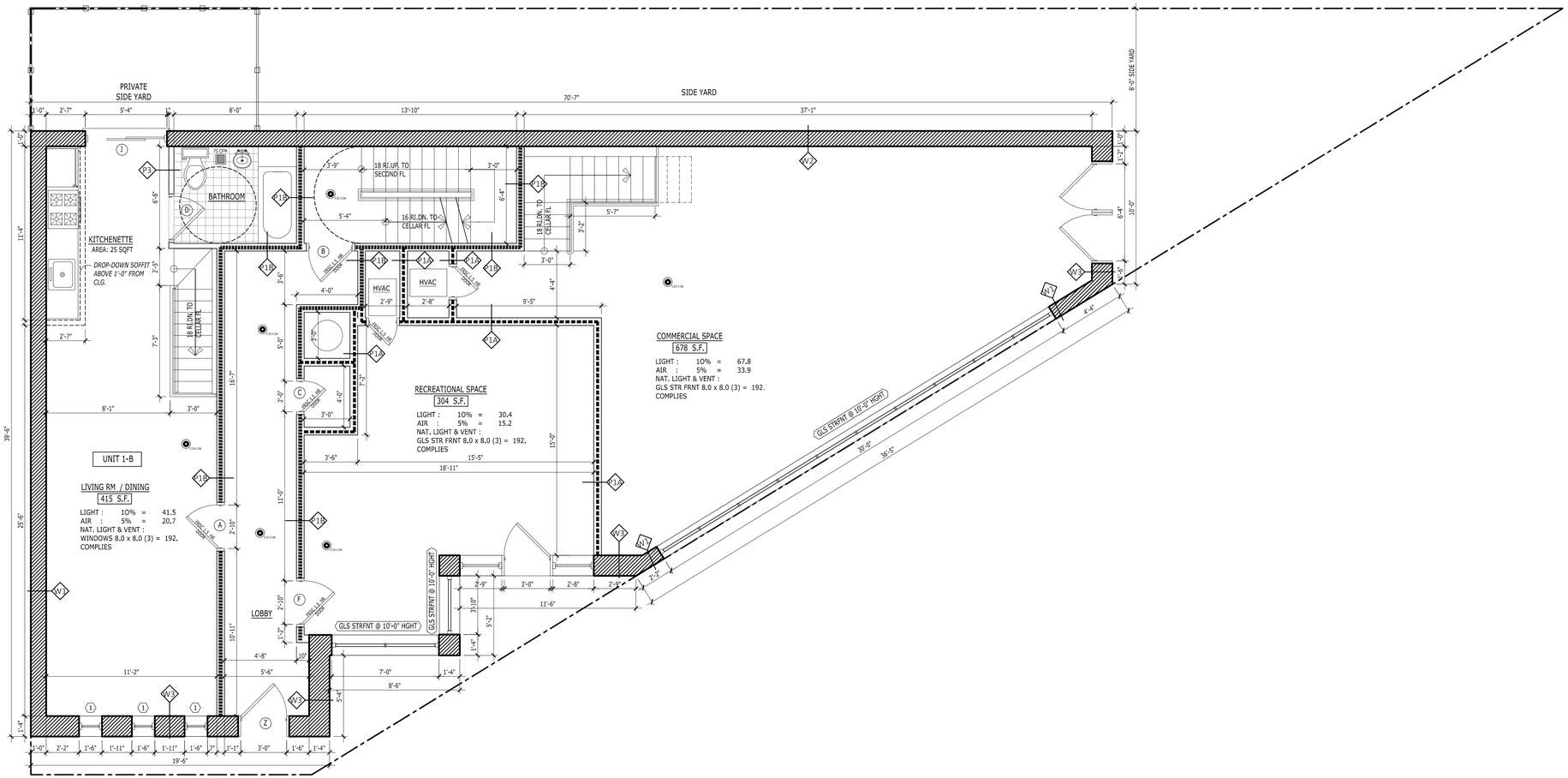
Date: 09.25.2015

Drawing No.:

A-100

SHEET NO: 8 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015



PROPOSED 1ST FLOOR PLAN

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

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY ,11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-PROPOSED FLOOR PLANS

Job Application #:

PROJECT : 15009 | Drawn by: GARETH ENAHORO

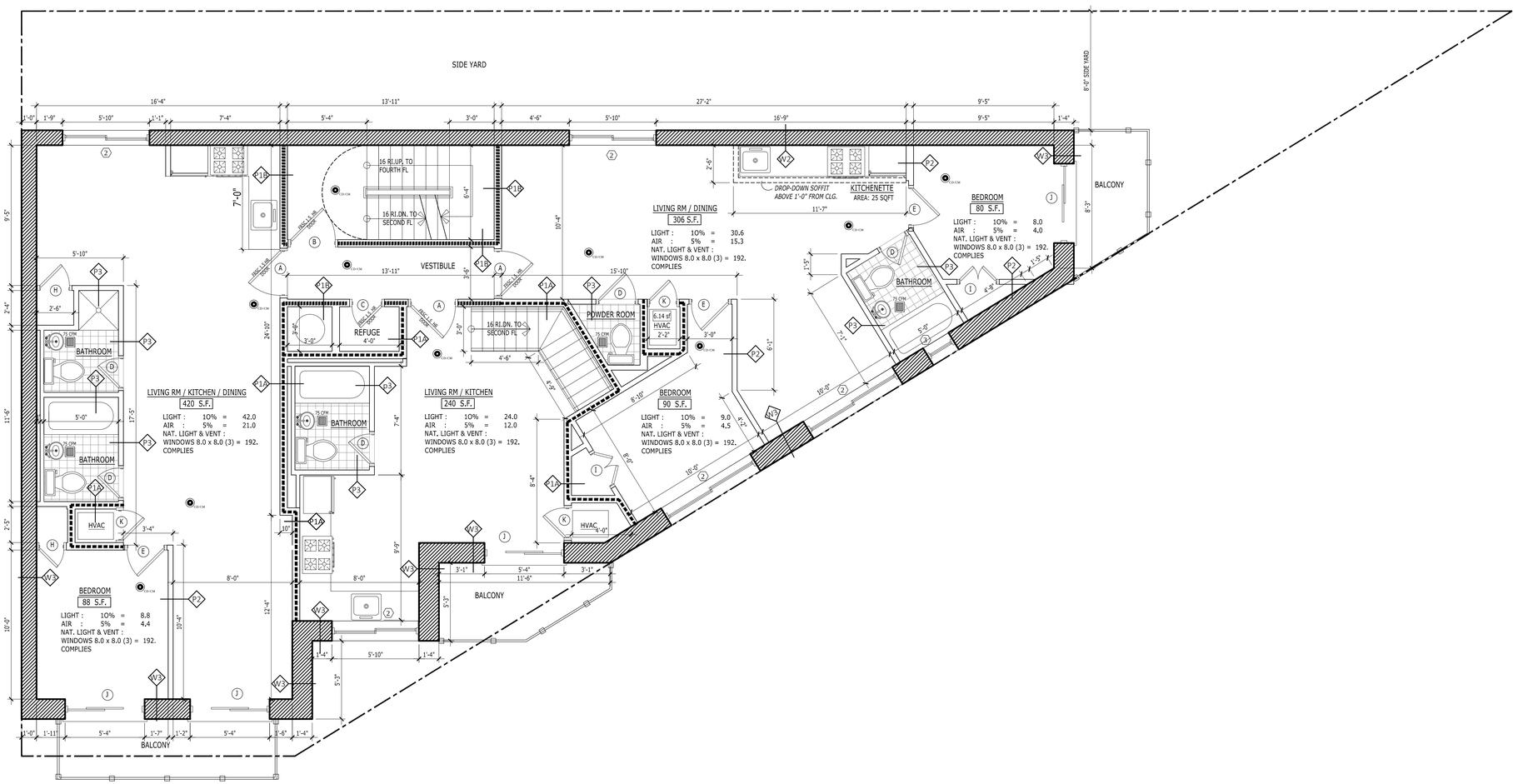
Date: 09.25.2015

Drawing No.:

A-101

SHEET NO: 9 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015



PROPOSED 4TH FLOOR PLAN

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

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY .11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-PROPOSED FLOOR PLANS

Job Application #:

PROJECT : 15009 | Drawn by: GARETH ENAHORO

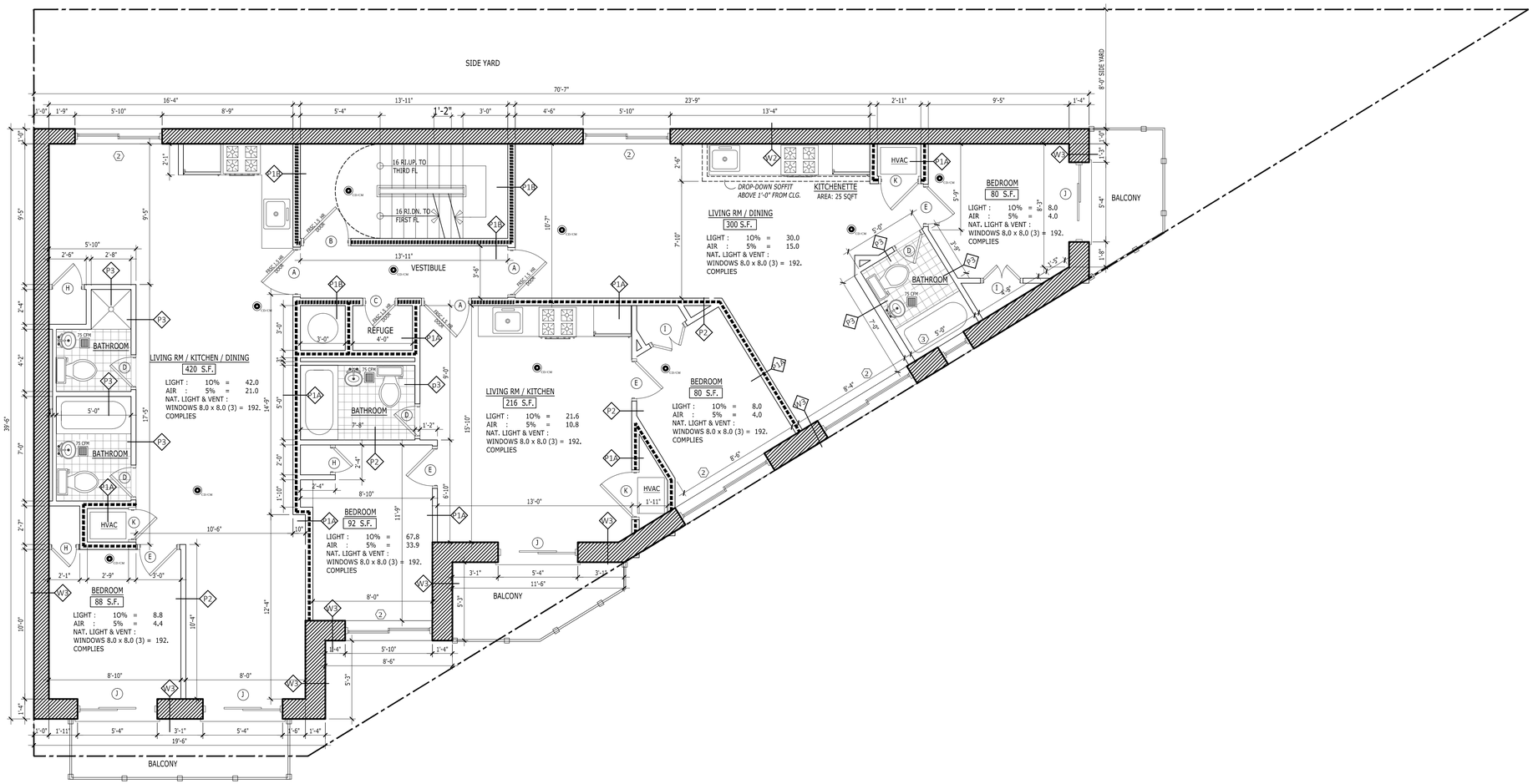
Date: 09.25.2015

Drawing No.:

A-103

SHEET NO: 11 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015



PROPOSED 2ND / 3RD FLOOR PLAN

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

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.

54-21 71ST STREET
MASPETH, NY .11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-PROPOSED FLOOR PLANS

Job Application #:

PROJECT : 15009 | Drawn by: GARETH EMAHORO

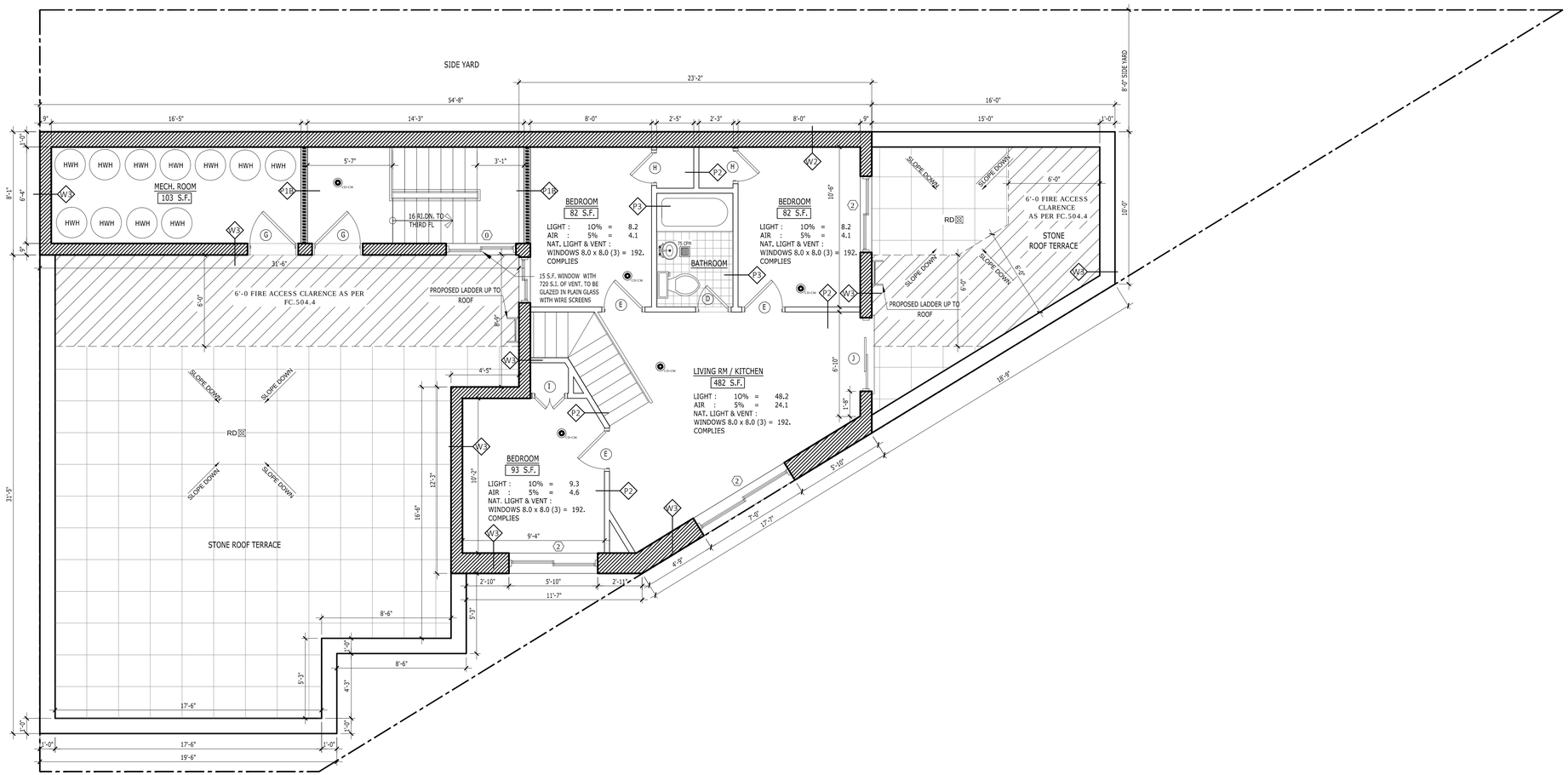
Date: 09.25.2015

Drawing No.:

A-102

SHEET NO: 10 OF 22

Genaro R. Urueta , R.A. . © Copyright 2015



PROPOSED PENTHOUSE FLOOR PLAN

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

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY .11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-PROPOSED FLOOR PLANS

Job Application #:

PROJECT : 15009 | Drawn by: GARETH ENAHORO

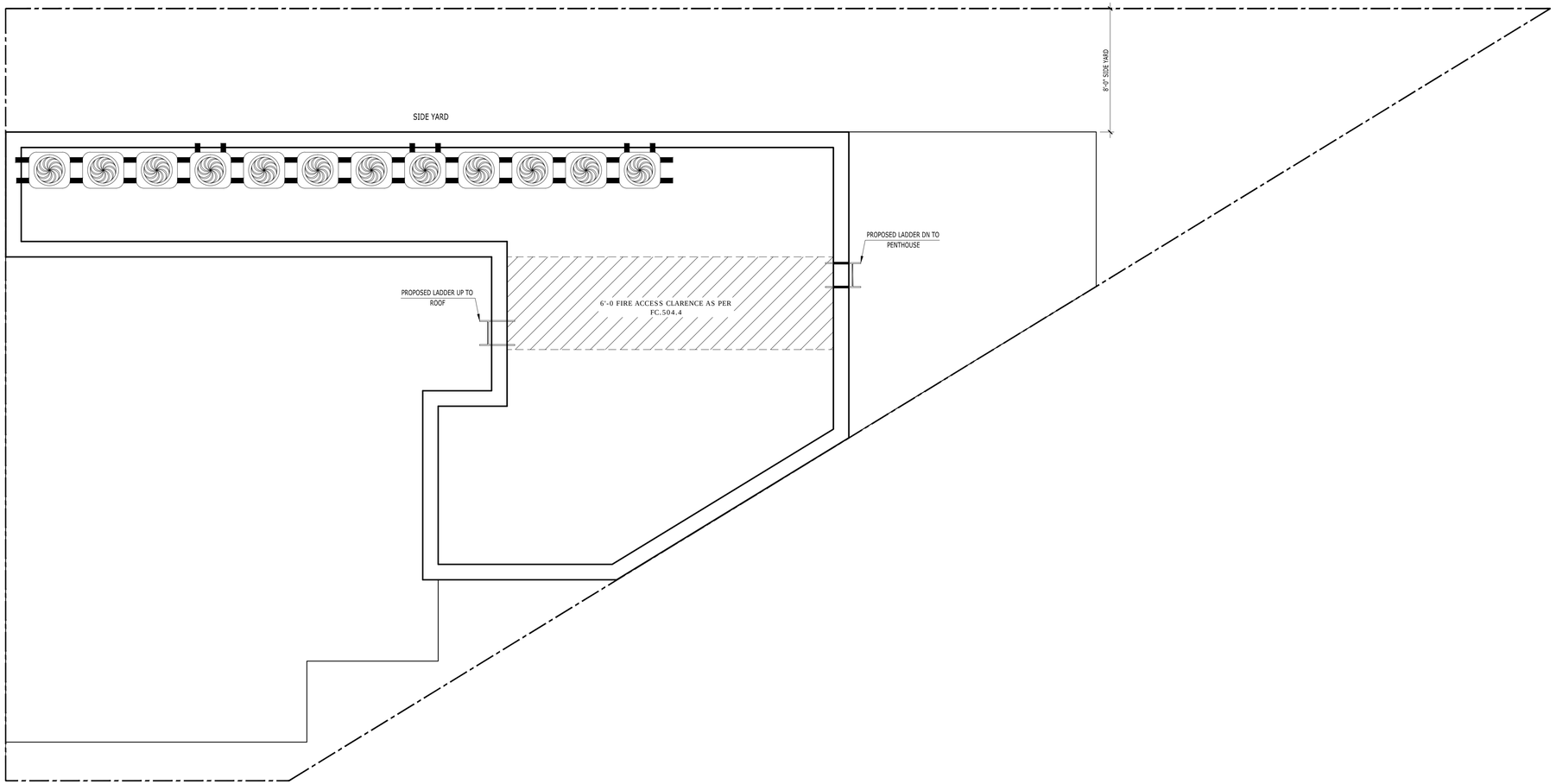
Date: 09.25.2015

Drawing No.:

A-104

SHEET NO: 12 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015



PROPOSED ROOF PLAN

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

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY ,11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-PROPOSED FLOOR PLANS

Job Application #:

PROJECT : 15009 | Drawn by: GARETH ENAHORO

Date: 09.25.2015

Drawing No.:

A-105

SHEET NO: 13 OF 22

Genaro R. Urueta , R.A. . © Copyright 2015

PROPOSED NORTH ELEVATION

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

BASE PLANE CALCULATIONS:
RICHARDSON STREET 11.65' + 11.43 = 23.08 /2 = 11.54
MEEKER AVENUE 11.43 + 10.92= 22.35 /2 = 11.17
BASE PLAN: 11.54' + 11.17' = 22.71 /2 = 11.35

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.

54-21 71ST STREET
MASPETH, NY ,11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035610 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-NORTH ELEVATION

Job Application #:

PROJECT : 15009 | Drawn by: GARETH ENAHORO

Date: 09.25.2015

Drawing No.:

A-200

SHEET NO: 16 OF 22

Genaro R. Urueta , R.A. . © Copyright 2015

PROPOSED WEST ELEVATION

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

BASE PLANE CALCULATIONS:
RICHARDSON STREET 11.65' + 11.43 = 23.08 /2 = 11.54
MEEKER AVENUE 11.43 + 10.92= 22.35 /2 = 11.17
BASE PLAN: 11.54' + 11.17' = 22.71 /2 = 11.35

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.

54-21 71ST STREET
MASPETH, NY .11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035610 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR
NEW BUILDING

DRAWING TITLE:
-EAST ELEVATION
-WEST ELEVATION

Job Application #:

PROJECT : 15009 | Drawn by: GARETH ENAKORO

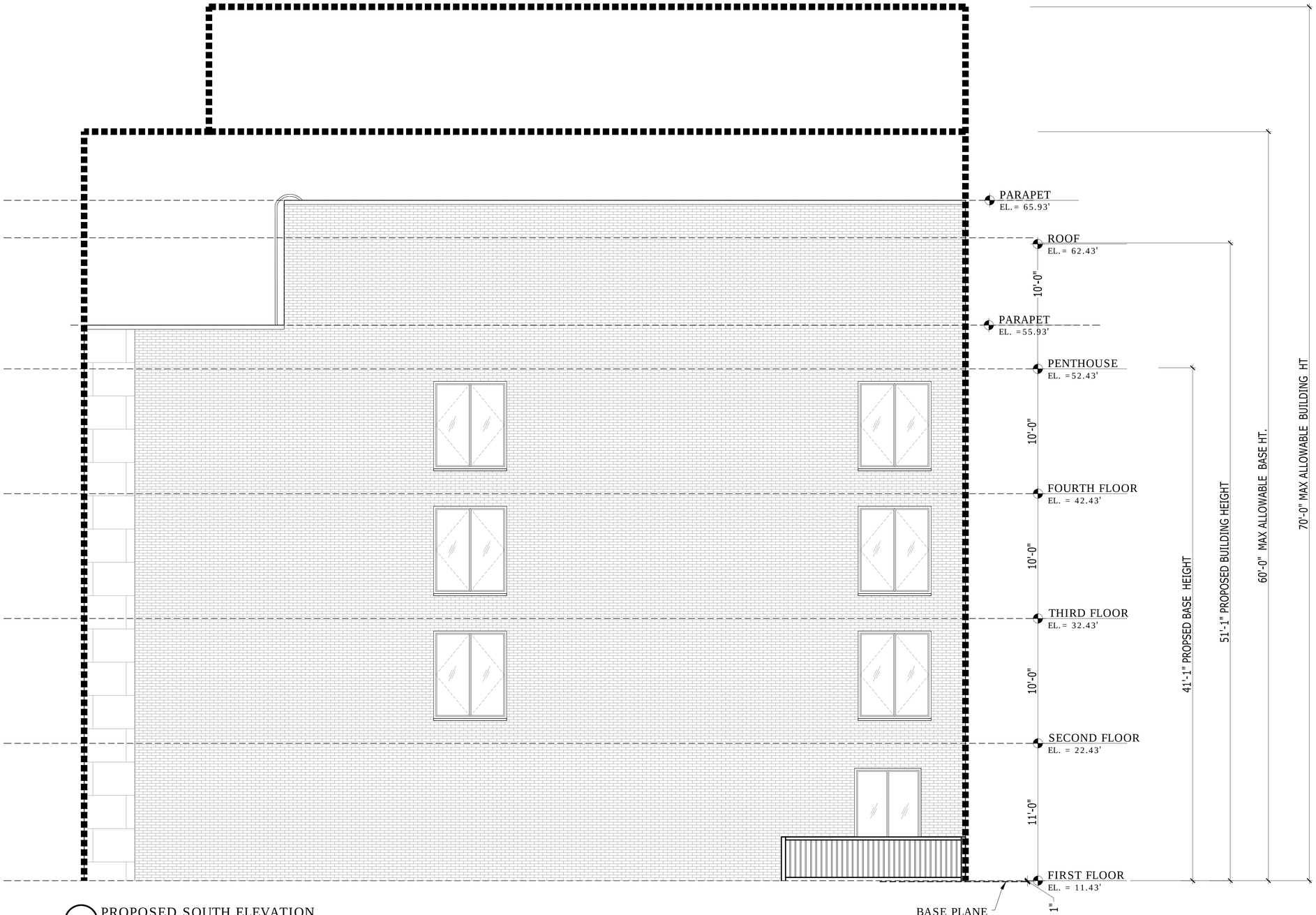
Date: 09.25.2015

Drawing No.:

A-201

SHEET NO: 16 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015



PROPOSED SOUTH ELEVATION

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

BASE PLANE CALCULATIONS:
RICHARDSON STREET 11.65' + 11.43 = 23.08 /2 = 11.54
MEEKER AVENUE 11.43 + 10.92= 22.35 /2 = 11.17
BASE PLAN: 11.54' + 11.17' = 22.71 /2 = 11.35

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY ,11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 036610 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-SOUTH ELEVATION

Job Application #:

PROJECT : 15009 | Drawn by: GARETH ENAHORO

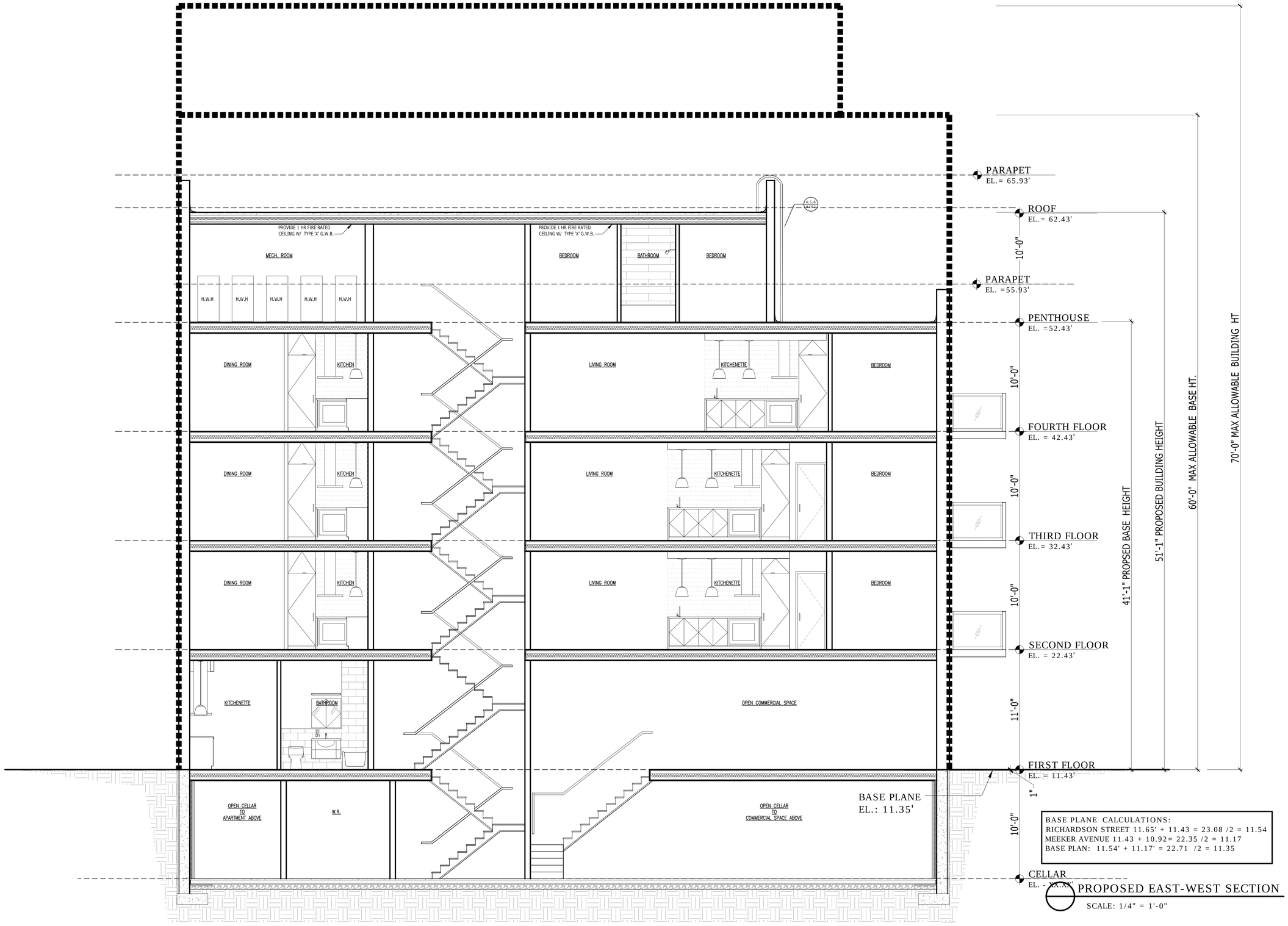
Date: 09.25.2015

Drawing No.:

A-202

SHEET NO: 16 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015



BASE PLANE CALCULATIONS:
RICHARDSON STREET 11.65' + 11.43 = 23.08 /2 = 11.54
MEEKER AVENUE 11.43 + 10.92= 22.35 /2 = 11.17
BASE PLAN: 11.54' + 11.17' = 22.71 /2 = 11.35

PROPOSED EAST-WEST SECTION

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

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.

54-21 71ST STREET
MASPETH, NY .11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
- EAST/WEST SECTION

Job Application #:

PROJECT : 15009 | Drawn by: GARETH EMAHORO

Date: 09.25.2015

Drawing No.:

A-300

SHEET NO: 17 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015

DOOR & HARDWARE SCHEDULE

DOOR	ROOM/AREA		DOOR TYPES				FRAME TYPE				HARDWARE TYPE										REMARKS
DOOR #			SIZE(WxHxTHK)	MATERIAL	FINISH	UNDER CUT	TYPE	JAMB / HEAD	MATERIAL	FINISH	HINGE / BUTTS	LOCK	CLOSER	STOP	FLUSH BOLT	THRESHOLD	SILENCERS	PEEP HOLE	ASTRAGAL	LABEL	
A	APT. ENTRANCE		3'-0" X 6'-8" X 1-3/4"	HM	-	-	A	-	-	-	A	D	A	-	-	A	A	A	-	-	1 1/2 HRS F.P.S.C. DOOR PROVIDE PEEP HOLE
B	EGRESS/EXIT STAIR		3'-0" X 6'-8" X 1-3/4"	HM	-	-	A	-	-	-	A	D	A	-	-	A	A	A	-	-	1 1/2 HRS F.P.S.C. DOOR PROVIDE WITH WIRED GLASS PANEL
C	MECH. RM		3'-0" X 6'-8" X 3/4"	HM	-	3/4"	A	-	-	-	A	D	A			A	A				1 1/2 HRS F.P.S.C. DOOR
D	BATHROOM		2'-6" X 6'-8" X 1-3/4"	WD.	ST.	1/2"	E	WD.	WD.	WD.	A	C	-	A	-	A	A	-	-	-	STANDARD INT. WOOD DR., STYLE & MANF. T.B.D.
E	BEDROOMS		2'-8" X 6'-8" X 1-3/4"	WD.	ST.	-	E	WD.	WD.	WD.	A	C	-	A	-	A	A	-	-	-	STANDARD INT. WOOD DR., STYLE & MANF. T.B.D.
F	1ST FLR INT. REC.		2'-10" X 6'-8" X 1-3/4"	WD.	ST.	-	E	WD.	WD.	WD.	A	C	-	A	-	A	A	-	-	-	STANDARD INT. WOOD DR., STYLE & MANF. T.B.D. 1/2 UNDERCUT
G	ROOF		3'-0" X 6'-8" X 1-3/4"	HM	-	3/4"	A	-	-	-	A	D	A	A	-	A	A	A	-	-	STANDARD METAL DOOR
H	CLOSET		1'-8" X 6'-8" X 1-3/4"	WD.	ST.	1/2"	E	WD.	WD.	WD.	A	C	-	A	-	A	A	-	-	-	STANDARD INT. WOOD DR., STYLE & MANF. T.B.D.
I	CLOSET		1'-3" X 6'-8" X 1-3/4"	WD.	ST.	1/2"	E	WD.	WD.	WD.	A	C	-	A	-	A	A	-	-	-	STANDARD INT. WOOD DR., STYLE & MANF. T.B.D.
j	BALCONY		5'-4" X 8'-0" X 1-3/4"	GLS.	GLS.	1/2"	A	-	-	-	-	D	-	A	-	A	A	-	-	-	STANDARD EXT. GLS SLIDING DR., STYLE & MANF. T.B.D.
K	MECH. RM		1'-10" X 6'-8" X 3/4"	HM	-	3/4"	A	-	-	-	A	D	A			A	A				1 1/2 HRS F.P.S.C. DOOR
Z	ENTRY		3'-0" X 8'-10" X 1-3/4"	GLS.	GLS.	1/2"	A	-	-	-	-	D	-	A	-	A	A	-	-	-	STANDARD EXT. GLS DR., STYLE & MANF. T.B.D.

HARDWARE SCHEDULE

LOCK SET

a. OFFICE PASSAGE LATCH SET
MFR.: OMNIA
ITEM #: 012
FINISH: US32D (STAINLESS STEEL)

b. DOUBLE- DUMMY TRIM
MFR.: OMNIA
ITEM #: 012
FINISH: US32D (STAINLESS STEEL)

c. SINGLE DUMMY TRIM
MFR.: OMNIA
ITEM #: 012
FINISH: US32D (STAINLESS STEEL)

d. ENTRANCE LOCKSET
MFR.: OMNIA
ITEM #: 012
FINISH: US32D (STAINLESS STEEL)

HINGES

A. BUTT HINGES
MFR.: HAGER
ITEM #: BB 1191
2 PAIR EA LEAF
FINISH: US26D (SATIN CHROME)

CLOSER

A. SURFACE MOUNTED CLOSER
MFR.: NORTON
ITEM #: 8500 1BF W/MS REG
FINISH: US26D (SATIN CHROME)
(MUST BE 1-1/2 HR RATED FPSC "SUBMIT CUT SHEET")

DOOR STOP

A. FLOOR MOUNTED STOP
MFR.: IVES
ITEM #: 438-B26D
FINISH: US26D (SATIN CHROME)

SILENCERS

A. SILENCERS
MFR.: GLYNN-JOHNSON
ITEM #: GJ64 IM & GJ65WD
FINISH: GRAY

FLUSHBOLT

A. MFR.: GLYNN JOHNSON
ITEM #: FB6W
FINISH: US26D (SATIN CHROME)

ASTRAGAL

A. OVERLAPPING METAL ASTRAGAL
PROVIDED BY DOOR MANUFACTURER
TO BE PAINTED, SAME COLOR OF DOOR
SEE FINISH NOTE #11.

MAGNETIC CATCH

A. MFR.: IVES
ITEM #: 327A92
FINISH: US26D (SATIN CHROME)

THRESHOLD

A. UTILITY SADDLE
MFR.: ZERO (OR APPROVED EQUAL)
ITEM #: 655A
FINISH: ALUMINUM

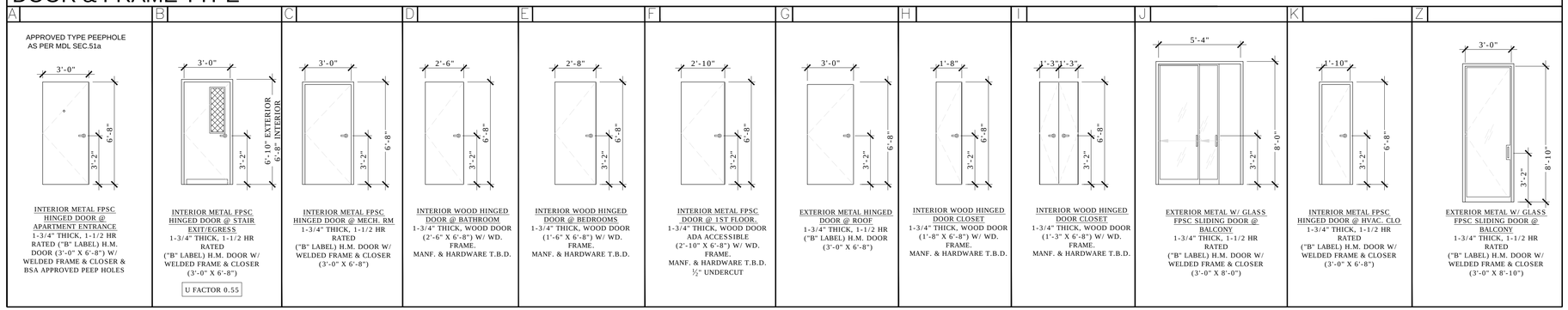
B. VINYL REDUCING STRIP TO MATCH
VCT TILE SEE DETAIL #7, SHEET A-11.

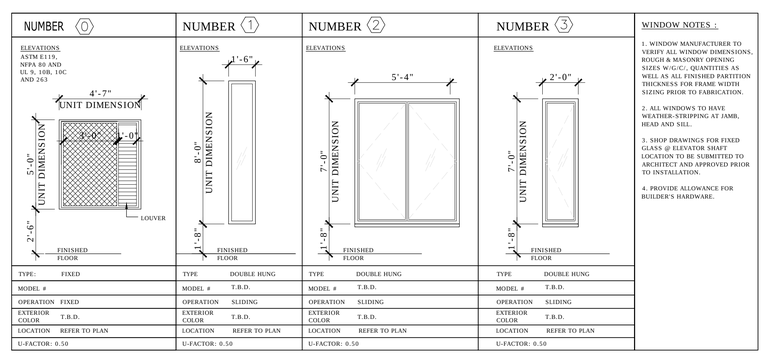
NOTES

1. CONTRACTOR TO COORDINATE WITH CLIENT AND BUILDING MANAGEMENT FOR SECURITY SYSTEM AS REQUIRED BY TENANT FOR MAIN DOOR
AND PROVIDE ALL HARDWARE AND ELECTRICAL CONNECTION PROVIDE SEPARATE PRICING.
2. ALL HARDWARE METAL FINISH TO BE STAINLESS STEEL, TYPICAL U.O.N.
3. NEW DOORS BEING INSTALLED AT EXISTING FRAME TO BE VERIFIED IN FIELD FOR SIZE AND LOCATIONS OF HINGES AND LOCKSETS
4. ALL SURFACE MOUNTED DOOR CLOSERS TO BE MOUNTED AT ROOM SIDE (CLOSER AT MAIN DOOR MOUNTED AT SUITE SIDE).
5. HARDWARE/ GC TO COORDINATE WITH BUILDING MANAGEMENT FOR MASTER KEYING OF KEYED LOCK AS REQUIRED.
6. ALL DOORS TO HAVE 3/4" UNDERCUTS AS REQUIRED, EXCEPT AS NOTED.
7. ALL DOORS OVER 7'-0" IN HEIGHT ARE TO HAVE (2) – SETS OF BUTT HINGES (TOTAL OF (4)- FOUR HINGES PER DOOR.)
8. CONTRACTOR TO VERIFY ALL DESIRED CEILING HEIGHTS IN FEILD, PRIOR TO ORDERING DOORS.

NOTE: ALL LOCKSETS TO BE GRAND MASTERED TO BUILDING MASTER

DOOR & FRAME TYPE





WINDOW NOTES :

1. WINDOW MANUFACTURER TO VERIFY ALL WINDOW DIMENSIONS, ROUGH & MASONRY OPENING SIZES W/G/C/, QUANTITIES AS WELL AS ALL FINISHED PARTITION THICKNESS FOR FRAME WIDTH SIZING PRIOR TO FABRICATION.

2. ALL WINDOWS TO HAVE WEATHER-STRIPPING AT JAMB, HEAD AND SILL.

3. SHOP DRAWINGS FOR FIXED GLASS @ ELEVATOR SHAFT LOCATION TO BE SUBMITTED TO ARCHITECT AND APPROVED PRIOR TO INSTALLATION.

4. PROVIDE ALLOWANCE FOR BUILDER'S HARDWARE.

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY ,11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-DOOR SCHEDULE
-WINDOW SCHEDULE

Job Application #:

PROJECT : 15009 | Drawn by: GARETH ENAHORO

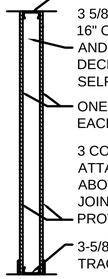
Date: 09.25.2015

Drawing No.:

A-400

SHEET NO: 18 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015



3-5/8" 20 GAUGE GALVANIZED METAL TOP PLATE SILL TRACK FASTENED BY SELF-TAPPING SM. SCREWS

3 5/8" 20 GAUGE GALVANIZED METAL STUDS 16" O.C. SLAB TO FINISHED CEILING, HEAD AND SILL TRACK FASTENED BY UNDERSIDE DECK HEAD AND SILL TRACK FASTENED BY SELF-TAPPING SM. SCREWS

ONE LAYER OF 5/8" GYPSUM WALL BOARD EACH SIDE SLAB TO FINISHED CEILING

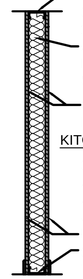
ROOM

3 COATS VINYL SPACKLING COMPOUND ATTAPE JOINTS, SANDED SMOOTH TO 4" ABOVE FINISHED CEILING, NO HORIZONTAL JOINTS PERMITTED BELOW CEILING LINE, PROVIDE TAPING J BEAD AT HEAD BOTH SIDES

3-5/8" 20 GAUGE GALVANIZED METAL BOTTOM PLATE SILL TRACK FASTENED BY SELF-TAPPING SM. SCREWS

P2 UNRATED DRYWALL ASSEMBLY
MIN STC RATING OF 50
DESIGN WP 1711 (GYPSUM ASSOCIATION)
MEA# 542-68-5M
SCALE: N.T.S

P3 DRYWALL ASSEMBLY
SIMILAR TO 'P2' EXCEPT ON ONE SIDE SUBSTITUTE 5/8" WATER RESISTANT GYPSUM WALL BOARD SHEATHING



3-5/8" 20 GAUGE GALVANIZED METAL TOP PLATE SILL TRACK FASTENED BY SELF-TAPPING SM. SCREWS

3 5/8" 20 GAUGE GALVANIZED METAL STUDS 16" O.C. SLAB TO FINISHED CEILING, HEAD AND SILL TRACK FASTENED BY UNDERSIDE DECK HEAD AND SILL TRACK FASTENED BY SELF-TAPPING SM. SCREWS

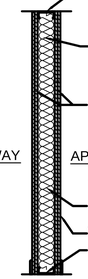
ONE LAYER OF 5/8" TYPE 'X' GYPSUM WALL BOARD EACH SIDE SLAB TO FINISHED CEILING

KITCHEN

3 COATS VINYL SPACKLING COMPOUND ATTAPE JOINTS, SANDED SMOOTH TO 4" ABOVE FINISHED CEILING, NO HORIZONTAL JOINTS PERMITTED BELOW CEILING LINE, PROVIDE TAPING J BEAD AT HEAD BOTH SIDES

3-5/8" 20 GAUGE GALVANIZED METAL BOTTOM PLATE SILL TRACK FASTENED BY SELF-TAPPING SM. SCREWS

P1 1HR FIRE RATED DRYWALL ASSEMBLY
MIN STC RATING OF 50
DESIGN WP 1711 (GYPSUM ASSOCIATION)
MEA# 542-68-5M
SCALE: N.T.S



3-5/8" 20 GAUGE GALVANIZED METAL TOP PLATE SILL TRACK FASTENED BY SELF-TAPPING SM. SCREWS

3 5/8" 20 GAUGE GALVANIZED METAL STUDS 16" O.C. SLAB TO FINISHED CEILING, HEAD AND SILL TRACK FASTENED BY UNDERSIDE DECK HEAD AND SILL TRACK FASTENED BY SELF-TAPPING SM. SCREWS

HALLWAY

2 LAYER OF 5/8" TYPE 'X' GYPSUM WALL BOARD EACH SIDE SLAB TO UNDERSIDE OF DECK (SCRIBE PIT PENETRATION)

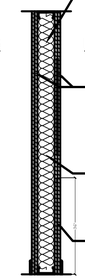
APARTMENT

1/2" SOUND ATTENUATION BLANKET FULL HEIGHT, FULL WIDTH (ALTERNATE: 3 1/2" R-13 FIBERGLASS ALUMINUM FACED BATTS)

WALL TO HAVE STC RATING OF 50 MINIMUM

3-5/8" 20 GAUGE GALVANIZED METAL BOTTOM PLATE SILL TRACK FASTENED BY SELF-TAPPING SM. SCREWS

P1A 2HR FIRE RATED DRYWALL ASSEMBLY
MIN STC RATING OF 50
DESIGN WP 1711 (GYPSUM ASSOCIATION)
MEA# 542-68-5M
SCALE: N.T.S



3 5/8" 20 GAUGE GALVANIZED METAL STUDS 16" O.C. SLAB TO UNDERSIDE DECK HEAD AND SILL TRACK FASTENED BY SELF-TAPPING SM. SCREWS

EXIT STAIRS

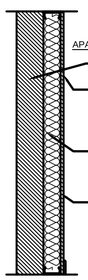
PUBLIC HALL / APARTMENT

2 LAYER OF 5/8" TYPE 'X' GYPSUM WALL BOARD EACH SIDE SLAB TO UNDERSIDE OF DECK (SCRIBE PIT PENETRATION)

1/2" SOUND ATTENUATION BLANKET FULL HEIGHT, FULL WIDTH (ALTERNATE: 3 1/2" R-13 FIBERGLASS ALUMINUM FACED BATTS)

24 GA. 36"X48" STL. SHEET AS PER BSA CAL. # 542-68-SM

P1B 2HR FIRE RATED DRYWALL ASSEMBLY (MASONRY EQ.)
MIN STC RATING OF 50
DESIGN WP 1711 (GYPSUM ASSOCIATION)
MEA# 81-98-M (UL DESIGN #U419)
SCALE: N.T.S



EXTERIOR

APARTMENT

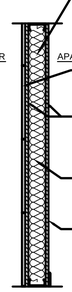
EXISTING MASONRY

1 LAYER OF 5/8" TYPE 'X' GYPSUM WALL BOARD TO UNDERSIDE OF DECK (SCRIBE PIT PENETRATION)

1/2" SOUND ATTENUATION BLANKET FULL HEIGHT, FULL WIDTH (ALTERNATE: 3 1/2" R-13 FIBERGLASS ALUMINUM FACED BATTS)

3 COATS VINYL SPACKLING COMPOUND AT TAPE JOINTS, SANDED SMOOTH TO 4" ABOVE FINISHED CEILING (NO HORIZONTAL JOINTS PERMITTED BELOW CEILING LINE) TAPE JOINTS STAGGERED

W1 FIRE RATED EXISTING MASONRY
MIN STC RATING OF 50
DESIGN WP 1711 (GYPSUM ASSOCIATION)
MEA# 81-98-M (UL DESIGN #U419)
SCALE: N.T.S



3 5/8" 20 GAUGE GALVANIZED METAL STUDS 16" O.C. SLAB TO UNDERSIDE DECK HEAD AND SILL TRACK FASTENED BY SELF-TAPPING SM. SCREWS

EXTERIOR

APARTMENT

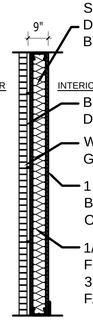
E.I.F.S. WITH STUCCO FINISH ON 3/4" GEORGIA PACIFIC DENSGLASS GOLD

1 LAYER OF 5/8" TYPE 'X' GYPSUM WALL BOARD EACH SIDE SLAB TO UNDERSIDE OF DECK (SCRIBE PIT PENETRATION)

1/2" SOUND ATTENUATION BLANKET FULL HEIGHT, FULL WIDTH (ALTERNATE: 3 1/2" R-13 FIBERGLASS ALUMINUM FACED BATTS)

3 COATS VINYL SPACKLING COMPOUND AT TAPE JOINTS, SANDED SMOOTH TO 4" ABOVE FINISHED CEILING (NO HORIZONTAL JOINTS PERMITTED BELOW CEILING LINE) TAPE JOINTS STAGGERED

W2 2HR FIRE RATED LT. GAUGE BEARING EXTERIOR WALL
MIN STC RATING OF 50
DESIGN WP 1711 (GYPSUM ASSOCIATION)
MEA# 81-98-M (UL DESIGN #U419)
SCALE: N.T.S



9"

3 5/8" 20 GAUGE GALVANIZED METAL STUDS 16" O.C. SLAB TO UNDERSIDE DECK HEAD AND SILL TRACK FASTENED BY SELF-TAPPING SM. SCREWS

EXTERIOR

INTERIOR

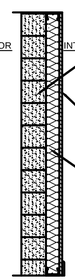
BRICK FINISH ON 3/4" GEORGIA PACIFIC DENSGLASS GOLD

WATER MEMBRANE APPLIED ON ARE GEORGIA PACIFICA INSIDE AIR GAP.

1 LAYER OF 5/8" TYPE 'X' GYPSUM WALL BOARD EACH SIDE SLAB TO UNDERSIDE OF DECK (SCRIBE PIT PENETRATION)

1/2" SOUND ATTENUATION BLANKET FULL HEIGHT, FULL WIDTH (ALTERNATE: 3 1/2" R-13 FIBERGLASS ALUMINUM FACED BATTS)

W3 2HR FIRE RATED LIGHT GAUGE EXTERIOR WALL
MIN STC RATING OF 50
DESIGN WP 1711 (GYPSUM ASSOCIATION)
MEA# 81-98-M (UL DESIGN #U419)
SCALE: N.T.S



EXTERIOR

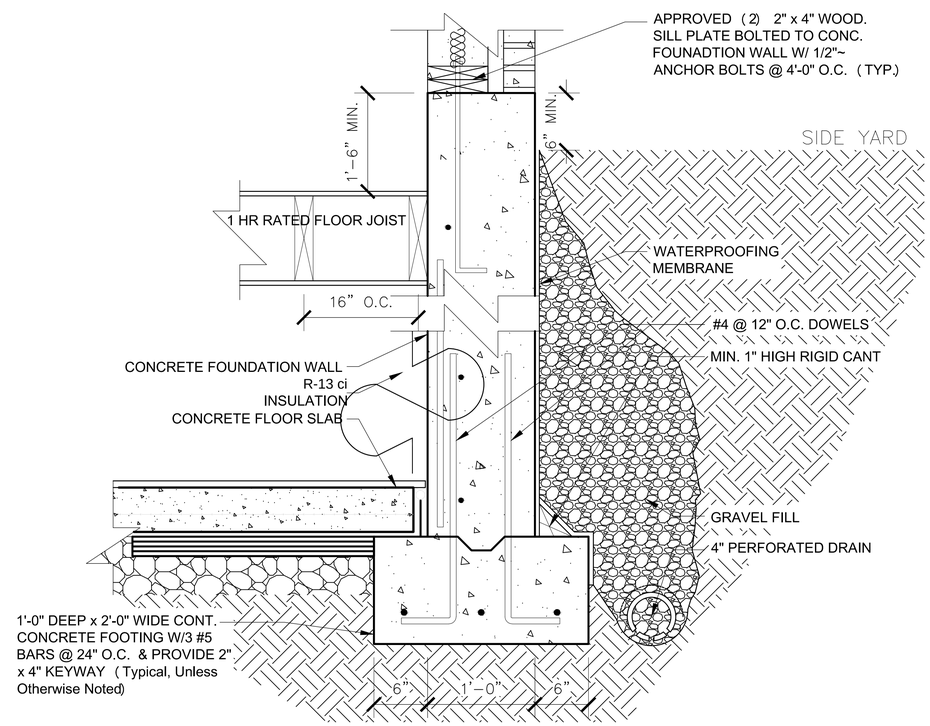
INTERIOR

8" 75% SOLID LOAD BEARING CONC. BLOCK W/ SPRAY-ON WATERPROOFING

1 LAYER OF 5/8" TYPE 'X' GYPSUM WALL BOARD EACH SIDE SLAB TO UNDERSIDE OF DECK (SCRIBE PIT PENETRATION)

1/2" SOUND ATTENUATION BLANKET FULL HEIGHT, FULL WIDTH (ALTERNATE: 3 1/2" R-13 FIBERGLASS ALUMINUM FACED BATTS)

W4 2HR FIRE RATED BLOCK EXTERIOR WALL
MIN STC RATING OF 50
DESIGN WP 1711 (GYPSUM ASSOCIATION)
MEA# 81-98-M (UL DESIGN #U419)
SCALE: N.T.S



C A-401 FOUNDATION & FOOTING DETAIL
SCALE: 3/16" = 1'-0"

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY .11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
- WALL PARTITRION TYPES
-FOUNDATION DETAIL

Job Application #:

PROJECT : 15009 | Drawn by: GARETH EMAHORO

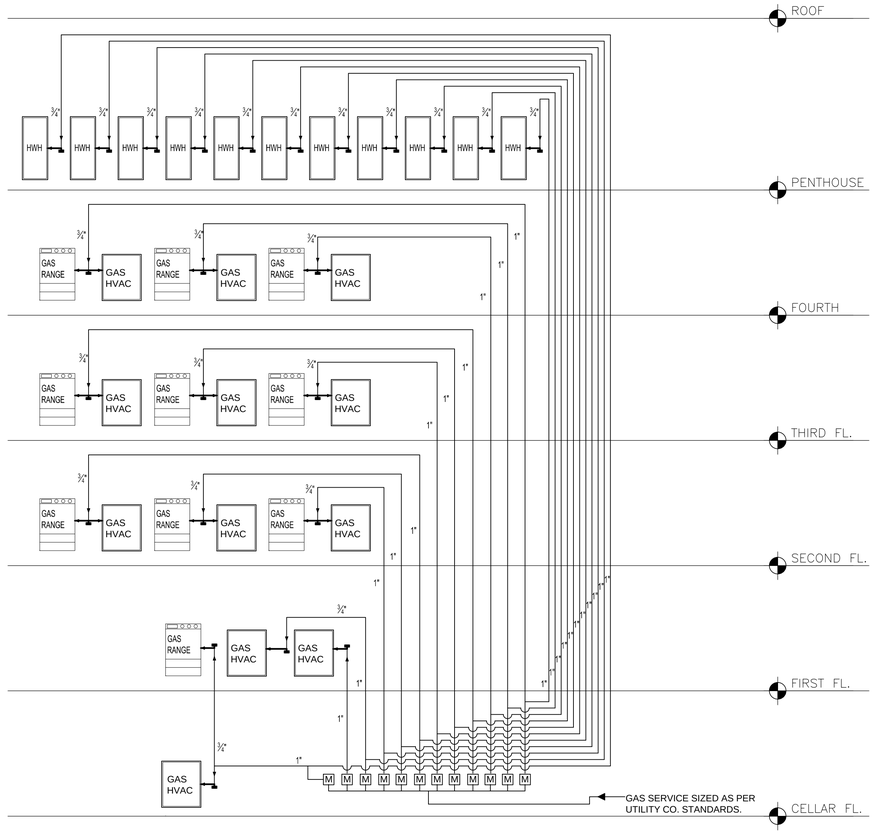
Date: 09.25.2015

Drawing No.:

A-401

SHEET NO: 18 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015



GAS FIRED FURNACE
MFG AMERICAN STANDARDS
QTY 8 MODEL AUC1B060A9361A
60,000 BTU INPUT 92% AFUE
ETL # 3170155DAL-035

HOT WATER HEATERS
MFG A.O. SMITH QTY 9
MODEL PCG 75 300
75,100 BTU
MEA # 346-06-E

GAS NOTES

1. ALL MATERIALS USED IN GAS DISTRIBUTION PIPING SYSTEM SHALL BE

ANSI Z223.1-1774, NATIONAL FUEL CODE AND ALL AGENCIES HAVING JURISDICTION.

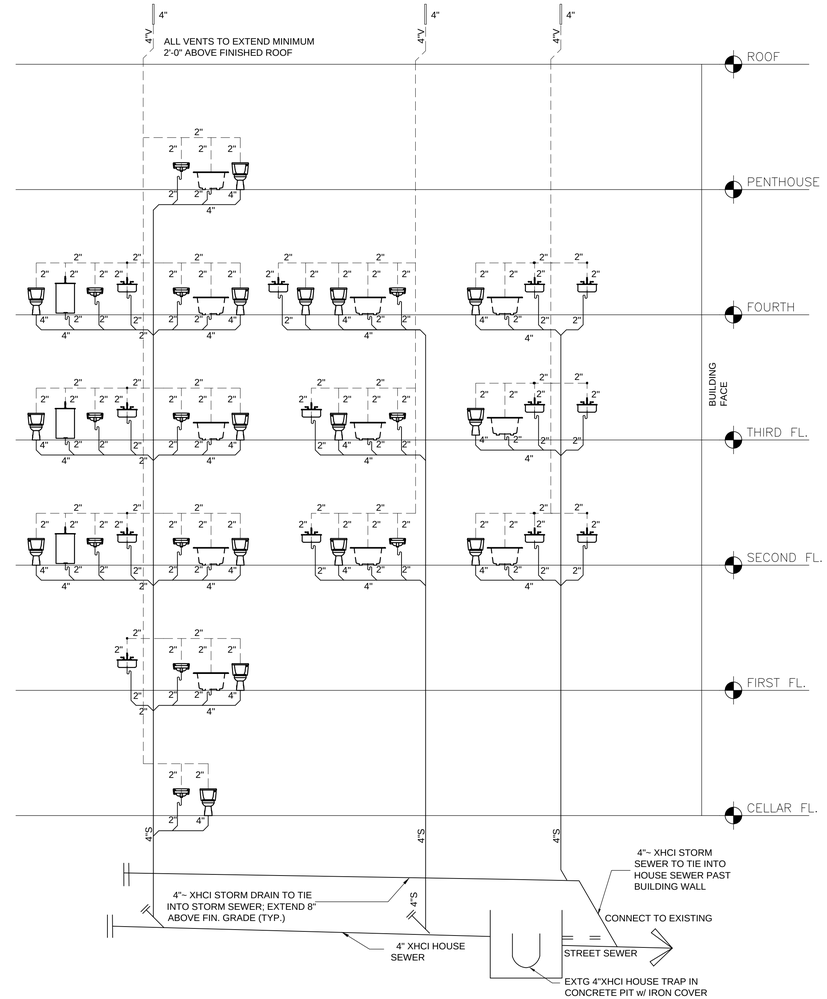
2. THE INSTALLATION OF GAS SERVICE PIPING SHALL BE MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY CORPORATION PROVIDING THE SERVICE AS REGULATED BY PART 255, OF TITLE 16, OF THE OFFICIAL COMPILATION OF CODES, RULES AND REGULATIONS OF THE STATE OF NEW YORK.

3. BRANCH LINES SHALL BE TAKEN OFF THE RISER WITH NOT LESS THEN TWO ELBOWS SWING. BRANCH OUTLET PIPES SHALL BE TAKEN FROM THE TOP OR SIDES OF HORIZONTAL LINES AND NOT FROM THE BOTTOM.

4. PROVIDE STOP COCK OR VALVE FOR EACH GAS BURNING FIXTURE AND EQUIPMENT REQUIRING GAS.

GAS PIPING INSTALLATION NOTES.

1. ALL PIPING SHALL BE SCHEDULE 40 BLACK STEEL WITH 125 LB. CAST IRON SCREWED FITTINGS.
2. PROVIDE SHUT-OFF GAS COCKS IN GAS SERVICE PIPING AT CONNECTIONS TO EXISTING MAIN.
3. ALL GAS PIPING SHALL BE SUPPORTED FROM BUILDING STRUCTURE IN AN APPROVED MANNER.
4. PROVIDE GAS COCK CONNECTION TO GAS TRAIN FOR EACH GAS-FIRED EQUIPMENT ITEM AND ON RISERS AND BRANCHES WHERE INDICATED.
5. LOCATE GAS COCKS WHERE EASILY ACCESSIBLE, AND WHERE THEY WILL BE PROTECTED FROM POSSIBLE DAMAGE.
6. CONNECT GAS PIPING TO EACH GAS-FIRED EQUIPMENT ITEM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.



FIXTURE LEGEND:

- SERVICE SINK
- LAVATORY
- WATER CLOSET
- BATH TUB
- SHOWER STALL
- WASHING MACHINE
- F.D. FLOOR DRAIN
- A.D. AREA DRAIN
- R.D. ROOF DRAIN

1. PLUMBING NOTES:
2. PROVIDE CLEANOUTS AT BASE OF ALL NEW STACKS.
3. PROVIDE SHUT-OFF VALVES ON ALL WATER SUPPLY LINES AT NEW FIXTURES.
4. PURGE ALL WATER AND GAS LINES BEFORE FINAL CONNECTIONS.
5. PROVIDE AIR CHAMBERS AT TOP OF NEW WATER RISERS MINIMUM 18" HIGH; 1 1/2" DIA.
6. STANDARD WEIGHT BLACK STEEL PIPE FOR NEW GAS SYSTEM WITH GALVANIZED STEEL FITTINGS.
7. TRAPS FOR NEW FLOOR DRAINS SHALL BE DEEP SEAL TYPE.
8. APPROVED TYPE WATER METER TO BE INSTALLED TO CONFORM WITH LEGISLATION SIGNED INTO LAW JULY 31, 1985.
9. CONNECT NEW PLUMBING TO EXISTING HOUSE SEWER.
10. REMOVE EXISTING PLUMBING FIXTURES. PROPERLY SEAL AND/OR REMOVE ALL PLUMBING LINES NOT TO BE USED.
11. NEW PLUMBING TO EXTEND 4-0" MINIMUM ABOVE FINISHED ROOF.
12. ALL NEW PIPING INSTALLED TO SERVICE BUILDING AND WITHIN BUILDING SHALL BE THERMALLY INSULATED AS PER NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE.
13. CONTRACTOR SHALL CHECK EXISTING HOUSE DRAIN, HOUSE TRAP AND F.A.I., AND REPORT TO ARCHITECT ANY DISCREPANCIES IMMEDIATELY, PRIOR TO START OF ANY WORK.
14. NEW WASHING MACHINE TO BE PROVIDED WITH VACUUM BREAKER AND TO BE B.S.A. OR M.E.A. APPROVED TYPE. VACUUM BREAKER TO BE MANUFACTURED BY SINGER CORP., M.E.A. 40/70SM.
15. NEW PLUMBING INSTALLATION TO COMPLY WITH NEW YORK CITY BUILDING CODE REQUIREMENTS.
16. WATER METER LOCATION SHALL BE SUBJECT TO APPROVAL BY THE DEPARTMENT OF WATER SUPPLY, GAS AND ELECTRICITY.
17. ALL NEW WATER CLOSETS AND ASSOCIATED FLUSH VALVES INSTALLED MUST MEET WATER SAVING PERFORMANCE STANDARDS AS WELL AS PROPER LABELING AS SET FORTH IN LOCAL LAW 29/89. WATER CLOSETS AND ASSOCIATED FLUSH VALVES SHALL BE ON THE APPROVED LIST OF WATER SAVING DEVICES COMPILED BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION.

Genaro R. Urueta , R.A. , © Copyright 2015

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info
GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY .11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035610 STATE OF NEW YORK

Project:
391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-WASTE WATER RISERS
-GAS RISER
-PLUMBING NOTES
-GAS NOTES

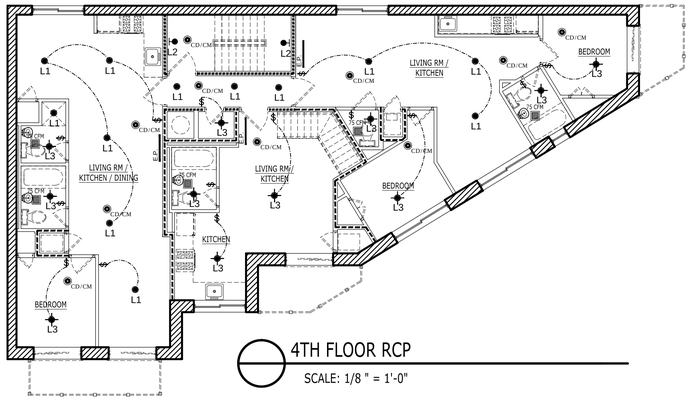
Job Application #:

PROJECT : 15009 | Drawn by: GARETH EHAKORO

Date: 09.25.2015

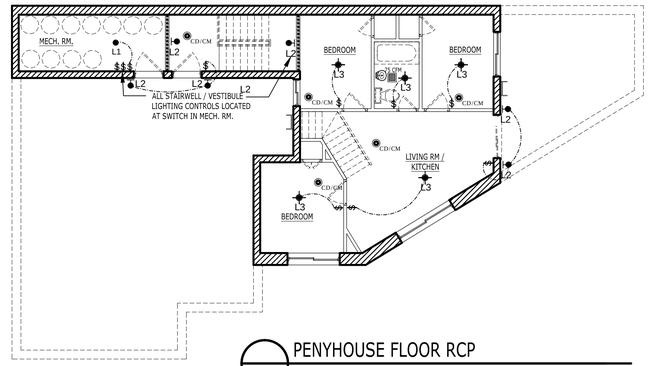
Drawing No.:
PL-100

SHEET NO: 19 OF 22



4TH FLOOR RCP

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

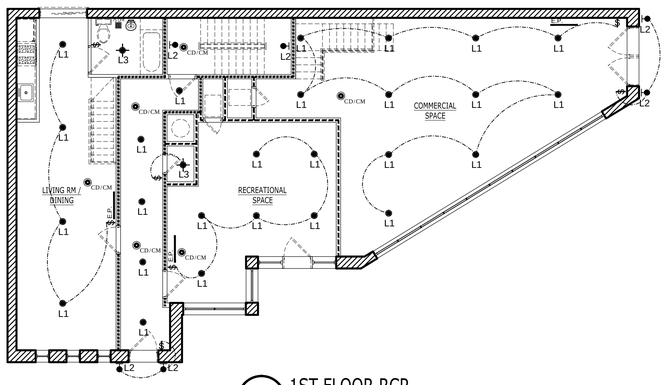


PENYHOUSE FLOOR RCP

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

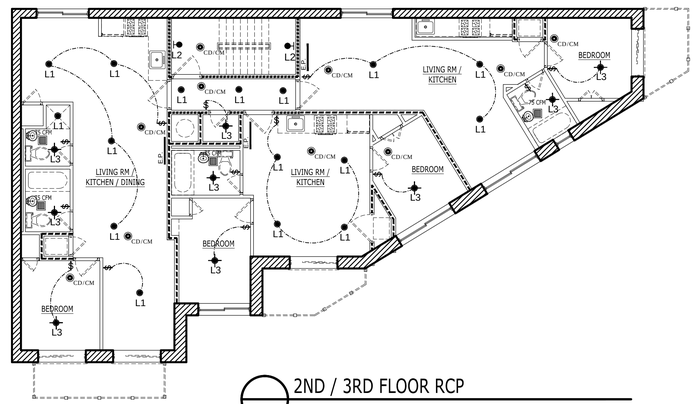
EXTERIOR LIGHTING	
FLOOR	PROVIDED
CELLAR FL.	N/A
1ST FLOOR	4x 15 = 60
2ND FLOOR	N/A
3RD FLOOR	N/A
4TH FLOOR	N/A
PENTHOUSE	4x 15 = 60
TOTAL WATTS	120

INTERIOR LIGHTING			
FLOOR	AREA SF	TOTAL	PROVIDED
CELLAR FL.	LOBBY 48 SF STAIRS 90 SF	138 SF	N.F. 5 x15 = 75 WATTS
1ST FLOOR	LOBBY 470 SF STAIRS 90 SF	560 SF	13 x 15 = 195 WATTS
2ND FLOOR	LOBBY 53 SF STAIRS 90 SF	143 SF	5 x 15 = 75 WATTS
3RD FLOOR	LOBBY 53 SF STAIRS 90 SF	143 SF	5 x 15 = 75 WATTS
4TH FLOOR	LOBBY 53 SF STAIRS 90 SF	143 SF	5 x 15 = 75 WATTS
PENTHOUSE	LOBBY 0 SF STAIRS 90 SF	90 SF	2 x 15 = 75 WATTS
TOTAL		**1217 SF**	**570 WATTS**



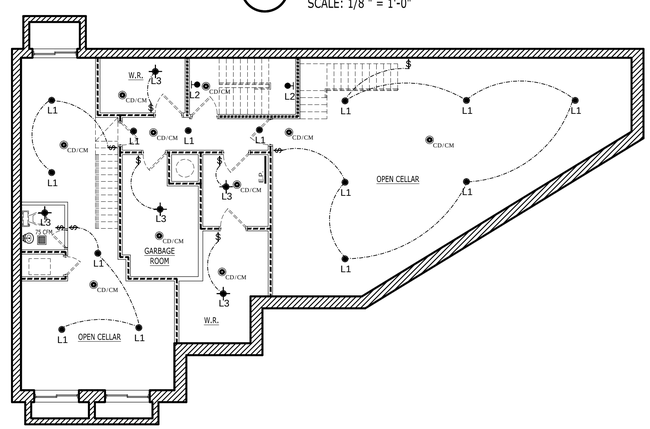
1ST FLOOR RCP

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



2ND / 3RD FLOOR RCP

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



CELLAR RCP

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

LIGHTING / RCP LEGEND

CD/CM	HARDWIRED SMOKE / CARBON MONOXIDE-DIOXIDE / NATURAL GAS DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH 2014 B.C.
T	PROGRAMMABLE THERMOSTAT
75 CFM	EXHAUST VENT
E.P.	WALL MOUNTED ELECTRICAL PANEL
$	SINGLE POLE SWITCH
$	SINGLE LIGHT SWITCH/PLATE - ROCKER TYPE DOUBLE POLE SINGLE THROW; PROVIDE GANG PLATE AS REQUIRED WHERE INDICATED ADJACENT; BONE WHITE; LEVITON DECORA, SLATER MEDALLIST OR APPROVED EQUAL, TO MATCH RECEPTACLE. ORIENTATION: VERTICAL PLAN LOCATION: 6" CLEAR FROM DAYLIGHT OF DOOR OR NEAREST INSIDE CORNER AS INDICATED, TO EDGE OF PLATE. ELEVATION: 4'-0" AFF
$2	DOUBLE LIGHT SWITCH/PLATE
$3	TRIPLE LIGHT SWITCH/PLATE
L2	WALL SCONCE
L2	RECESSED FIXTURE
L3	CEILING MOUNTED FIXTURE
L4	PENDANT FIXTURE
L1 L2 L3 L4	GE Kitchen & Bath Long Life Energy Smart® G25

MANUFACTURER	GE LIGHTING
Lamp type	Compact Fluorescent - Self- Ballasted
ENERGY STAR® Qualified	YES
Initial Lumens	800
Nominal Initial Lumens per Watt	53
Wattage	15
Input Voltage	120 V
Product Code	47485

PROPOSED 100% HIGH-EFFICACY LIGHT FIXTURES

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info

GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY ,11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:

391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-RCP & LIGHTING CALCULATION

Job Application #:

PROJECT : 15009 | Drawn by: G.H

Date: 08.26.2015

Drawing No.:

EN-100

SHEET NO: 22 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015

2014 NYCECC COMPLIANCE TABULAR ANALYSIS - COMMERCIAL BUILDINGS

ENERGY ANALYSIS FOR NEW BUILDING

CLIMATE ZONE 4
COMMERCIAL BUILDING.

NYCECC Citation	PROVISION	ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE PERSPECTIVE VALUE	SUPPORTING DOCUMENTATIONS
COMMERCIAL BUILDING THERMAL ENVELOPE					
C402.2	Attic and other	Thermal Insulation on roof	Roof Type: R -38 Insulation	Minimum R-38 Insulation	A-300, A301 BUILDING SECTIONS,
C402.2	Walls, Above-grade: Mass.	Metal gauge wall with continuous rigid insulation and brick veneer	R19 continuous rigid exterior insulation + R13 cavity batt interior insulation	Minimum R11.4 continuous insulation	A-300, A301 BUILDING SECTIONS,
C402.2	Metal framed	Frame wall with continuous rigid insulation, and batt cavity insulation	R-13 + R-7.5 continuous insulation	Minimum R-13 +R-7.5 continuous insulation	A-300, A301 BUILDING SECTIONS,
C402.2	Below-Grade Walls	Thermal insulation at cellar walls	R-13 continuous insulation	Minimum R-7.5 continuous insulation	A-300, A301 BUILDING SECTIONS,
C402.2	Floors: Mass	Thermal insulation at floors	R-10.4 continuous insulation	Minimum R10.4 continuous insulation	A-300, A301 BUILDING SECTIONS,
C402.2	Slab-on-Grade Floors: Unheated Slabs	Rigid Insulation under slab.	R-10 for 24" below	R-10 for 24" below	A-300, A301 BUILDING SECTIONS,
ENVELOPE FENESTRATION STANDARDS					
C402.3	Operable fenestration	Operable Windows	U = 0.40, SHGC = 0.40	U = 0.45, SHGC =0.40	A-200, A201 BUILDING ELEVATIONS, A-400
		Entrance doors	U = 0.70, SHGC = 0.40	U = 0.77, SHGC =0.40	A-200, A201 BUILDING ELEVATIONS, A-400
C402.3	Skylights	Fixed skylights	N/A	U = 0.50, SHGC =0.40	N/A
AIR LEAKAGE					
C402.4.	Air barriers	A continuous air barrier shall be provided throughout the building thermal envelope.The air barriers shall be permitted to be located on the inside or outside of the building envelope, located within the assemblies composing the envelope, or any combination thereof.			A-500, PARTITION SCHEDULE W1 / W2
C402.4.2	Air barrier penetrations	Penetrations of the air barrier and paths of air leakage shall be caulked, gasketed or otherwise sealed in a manner compatible with the construction materials and location			A-400, WINDOW, DOOR SCHEDULE
C402.4.3	Air leakage of fenestrations	Windows	20 cfm/sf	20 cfm/sf	A-400, WINDOW, DOOR SCHEDULE
		Sliding doors	20 cfm/sf	20 cfm/sf	A-400, WINDOW, DOOR SCHEDULE
		Skylight	20 cfm/sf	20 cfm/sf	
C402.4.4	Doors and access openings to shafts, chutes, stairways, and elevator lobbies	Doors and access openings from conditioned space to shafts, chutes, stairways and elevator lobbies shall be gasketed, weather stripped or sealed.			A-400, WINDOW, DOOR SCHEDULE
C402.4.5	Air intakes, exhaust openings, stairways and shafts	GREEENHACK BUILDING VALUE , MOTORIZED DAMPERS	Stairway enclosures and elevator shaft vents and other outdoor air intakes and exhaust openings integral to the building envelope shall be provided with dampers in accordance with SectionC403.2.4.4		EN-003 SHEET DETAIL #2
C402.4.7	Vestibules	Vestibule with self closing doors	Vestibule with self closing doors provided,	All building entrances shall be protected with an enclosed vestibule, with all doors opening into and out of the vestibule equipped with self-closing devices. Vestibules shall be designed so that in passing through the vestibule it is not necessary for the interior and exterior doors to open at the same time.	A-101,A102,A103,A104 FLOOR PLANS AND A-400 DOOR SCHEDULE
COMMERCIAL BUILDING MECHANICAL SYSTEMS					
C403.2.1	Calculation of heating and cooling loads	Design loads shall be determined in accordance with the procedures described in ANSI/ASHRAE/ACCA Standard 183. The design loads shall account for the bldg envelope, lighting, ventilation and occupancy loads based on the project design. Heating and cooling loads shall be adjusted to account for load reductions that are achieved where energy recovery systems are utilized in the HVAC system in accordance with the ASHRAE HVAC Systems and Equipment Handbook. Alternatively, design loads shall be determined by an approved equivalent computation procedure, using the design parameters specified in Chapter 3				
C403.2.2	Equipment and system sizing.	The output capacity of heating and cooling equipment and systems shall not exceed the loads calculated in accordance with Section C403.2.1.			
TABLE C403.2.3(2)	ELECTRICALLY OPERATED UNITARY AND APPLIED HEAT PUMPS	Air Conditioner unit Split System ≤ 60,000 btu,	21.5 SEER	25 SEER OUTDOOR UNIT 21.5 SEER INDOOR UNIT	EN-003 SHEET, MECHANICAL EQUIPMENT SCHEDULE
C403.2.4.1	Thermostatic Controls	Programmable Thermostats	One thermostat is provided for each zone	Minimum one thermostat required per zone	EN-001 R.C.P SHEET
C403.2.4.4.2	Outdoor air intakes and exhausts	Outside air intakes and exhaust	Each outdoor supply air and exhaust air ducts are provided with shut off dampers to shut off when not in use	Outdoor air supply and exhaust motorized dampers shall be configured to close automatically when the systems or spaces served are not in use	E-003 FOR UNIT TYPE A.103 FOR LOCATION A 400 WINDOW SCHEDULE
C403.2.5	Ventilation	Mechanical ventilation provided	the system is provided with the capability to reduce the outdoor air supply to the minimum required	Where mechanical ventilation is provided, the system shall provide the capability to reduce the outdoor air supply to the minimum required by Chapter 4 of the New York City Mechanical Code	EN-003 FOR UNIT TYPE A.103 FOR LOCATION A 400 WINDOW SCHEDULE
C403.2.8	Piping insulation	insulation for piping serving HVAC units	1.5" insulation provided for for 1" diameter piping	1.5" for pipe less than 1.5" diameter. 1.5" for piping greater than 1.5" in diameter.	EN-003 SHEET
C404.2	Storage water heaters,gas	AO Smith hot water heater Promax SL GPVT-40L 50,000 btu 40 gallons capacity	0.65 energy factor	0.67 -0.0019V, EF 40 (gal.) x 0.0019 = 0.076 0.67-0.076 = 0.594	EN-003 SHEET
C404.3	Temperature controls	Service water-heating equipment shall be provided with controls to allow a setpoint of 110°F (43°C) for equipment serving dwelling units and 90°F (32°C) for equipment serving other occupancies. The outlet temperature of lavatories in public facility rest rooms shall be limited to 110°F (43°C).			
C404.4	Heat trap	AO Smith hot water heater Promax SL	Equipment supplied with an integral heat trap	Water-heating equipment not supplied with integral heat traps and serving non circulating systems shall be provided with heat traps on the supply and discharge piping associated with the equipment	EN-003 SHEET
C404.5	Pipe insulation	insulation for piping serving HWH units	1" of insulation having a conductivity not exceeding 0.27 Btu per inch	piping shall be insulated with not less than 1 inch (25 mm) of insulation having a conductivity not exceeding 0.27 Btu per inch/h × ft2× °F (1.53 W per 25 mm/m2× K).	EN-003 SHEET
C404.6	Hot water system controls	Circulating hot water system pumps or heat trace shall be arranged to be turned off either automatically or manually when there is limited hot water demand. Ready access shall be provided to the operating controls.			

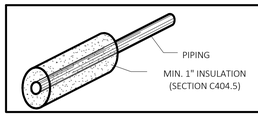
NYCECC Citation	PROVISION	ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE PERSPECTIVE VALUE	SUPPORTING DOCUMENTATIONS
Commercial Building Electrical and Power Lighting Systems					
C405.2.1.1	Interior lighting controls.	Interior lighting switch for rooms, except stairways and corridors.	Interior lighting switches have been provided in every room.	Each area shall have at least one manual control for the lighting serving that area.	EN-003 SHEET
C405.2.1.2	Lighting reduction controls	Each area that is required to have a manual control shall also allow the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern by at least 50 percent Exception, 3. Corridors, equipment rooms, storerooms, restrooms, public lobbies, electrical or mechanical rooms. 4.Sleeping unit(see Section C405.2.3).			not applicable
C405.2.2	Additional lighting controls	Each area that is required to have a manual control shall also have controls that meet the requirements of Sections C405.2.2.1, C405.2.2.2 and C405.2.2.3 Exception: Additional lighting controls need not be provided in the following spaces: 1.Sleeping units.			not applicable
C405.2.2.2	Occupancy sensors	motion sensor in Refuse room and Laundry room.	Occupancy sensors shall be installed in restrooms, storage rooms, private offices 200 square feet (18.5 m2) in area or greater, janitorial closets, and other spaces 300 square feet in area or less enclosed by floor-to-ceiling height partitions, except for spaces listed in Item 1. These automatic control devices shall be installed to automatically turn off lights within 30 minutes of all occupants leaving the space, and shall either be manual-on or shall be controlled to automatically turn the lighting on to not more than 50 percent power		EN-001 R.C.P SHEET
C405.2.2.3	Daylight zone control.	Daylight zones shall be designed such that lights in the daylight zone are controlled independently of general area lighting and are controlled in accordance with either Section C405.2.2.3.1 or Section C405.2.2.3.2. Exception: Daylight zones enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting			BALCONIES, ROOF, RECREATION SPACE
C405.2.4	Exterior lighting controls	All exterior lighting shall be provided with a control that automatically turns off the lighting when daylight is available. Where lighting the building façade or landscape, the lighting shall also be provided with controls that automatically shut off thelighting from 12 midnight or within one hour of the end of business operations, Exception 4.Lighting for covered vehicle entrances or exits from buildings or parking structures where required for safety, security, or eye adaptation			not applicable
C405.4	Exit Signs	19 new LED exit signs to be provided.	5W per side	Internally illuminated exit signs shall not exceed 5 watts per side.	Shown on A-100,101,102,103104,105 FLOOR PLANS
C405.5.2	Interior lighting power.	Interior lighting (see sheet EN-001 for type of lighting used) TABLE C405.5.2(1) Multifamily use: 0.7 Watt/sf	Proposed building = 11,166 sf 11,166 X 0.7 = 7,816.20 Watt Permitted PROPOSED: 1,451 TOTAL INTERIOR LIGHTING WATTS	The total interior lighting power allowance (watts) is determined according to Table C405.5.2(1) using the Building Area Method	EN-001 SHEET ,
C405.6.2	Exterior building lighting power LIGHTING ZONE 2	Exterior Lighting is provided for main entrance, and balconies doors.	PROPOSED 234 WATTS, PERMITTED 1,820 WATTS, SEE SHEET EN001 FOR CALCULATION DETAILS.	The total exterior lighting power allowance for all exterior building applications is the sum of the base site allowance plus the individual allowances for areas that are to be illuminated and are permitted in Table C405.6.2(2) for the applicable lighting zone Base site allowance Zone 2 600 watts Main entries 20 W/linear foot of door width, other doors 20 W/linear foot of door width	EN-001 R.C.P SHEET , SEE SHEET A101,A102,A103,A104, A400 FOR DOOR SIZE AND LOCATIONS
C405.7	Electrical energy consumption (Mandatory).	Separate electrical meters have been provided for each unit.	1 METER FOR EACH D.W.U	In buildings having individual dwelling units, provisions shall be made to determine the electrical energy consumed by each tenant by separately metering individual dwelling units	A100 ,CELLAR PLAN

MECHANICAL EQUIPMENT SCHEDULE

QUANTITY	EQUIPMENT. CATEGORY	MANUFACTURER	SEER / E.F	MODEL	TYPE	CAP. (GAL. , BTU)	MEA#
11	HOT WATER HEATER	A.O SMITH	0.70 EF	ProMax® SL Power Vent	GAS	40 GALLON	MEA # 346-06-E
11 (INDOOR)	COOLING (blower)	FREDERICH	25	M12YJ	ELECTRIC	10.800 BTU	MEA # 354-00-E
11 (OUTDOOR)	COOLING / HEATING (pump)	FREDERICH	21.5	MR24DY3JM	ELECTRIC	24.300 BTU	MEA # 354-00-E

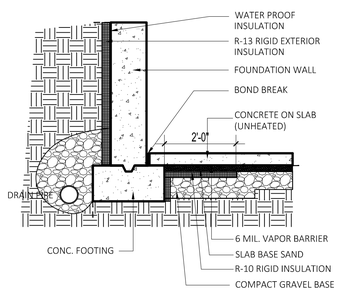
C408.2.5.2 Manuals.An operating and maintenance manual shall be provided and include all ofthe following:1.Submittal data stating equipment size and selected options for each piece of equipment requiring maintenance.2.Manufacturer's operation manuals and maintenance manuals for each piece of equipment requiring maintenance, except equipmentnot furnished as part of the project. Required routine maintenance actions shall be clearly identified.3.Name and address of at least one service agency.4.HVAC controls system maintenance and calibration information, including wiring diagrams, schematics, and control sequence descriptions. Desired or field-determined setpoints shall be permanently recorded on control drawings at control devices or, for digital control systems, in system programming instructions.5.A narrative of how each system is intended to operate, including recommended setpoints

DETAIL # 1



FOOTING BELOW GRADE INSULATION DETAIL

DETAIL # 3



THE INSULATION SHALL EXTEND DOWNWARD FROM THE TOP OF THE SLAB FOR A MINIMUM DISTANCE MIN 24" OR TO THE TOP OF THE FOOTING, WHICHEVER IS LESS, OR DOWNWARD TO AT LEAST THE BOTTOM OF THE SLAB AND THEN HORIZONTALLY TO THE INTERIOR OR EXTERIOR FOR THE TOTAL DISTANCE OF MIN 24"

ECCCNY COMPLIANCE STATEMENT
TO THE BEST OF MY KNOWLEDGE , BELIEF , AND PROFESSIONAL JUDGMENT , THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE ENERGY CONSERVATION CONSTRUCTION CODE OF NY CITY 2014

MECHANICAL EQUIPMENT:

MANUFACTURER BY: AO SMITH
MODEL. # ProMax® SL Power Vent # GPVT 40L

Energy Factor:	0.65
GALLON:	40 - (53 (RECOVERY)
MAX BTU:	50.000 BTU
IGNITION TYPE:	ELECTRONIC
VENT TYPE:	POWER VENT

MECHANICAL HVAC EQUIPMENT:

ELECTRIC HVAC UNIT:
MANUFACTURER BY: FRIEDRICH
MODEL. # M12YJ + MR24DY3JM
SEER : 21.5

MAX WATTAGE:	1430 COOLING
MAX WATTAGE:	2210 HEATING
MAX BTU:	10.800 BTU

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info
GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY .11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:
391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-ENERGY CODE COMPLIANCE

Job Application #:

PROJECT : 15009 | Drawn by: G.H
Date: 08.26.2015

Drawing No.:
EN-102

SHEET NO: 22 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015

2014 NYCECC COMPLIANCE TABULAR ANALYSIS - COMMERCIAL BUILDINGS

ENERGY ANALYSIS FOR NEW BUILDING

CLIMATE ZONE 4
COMMERCIAL BUILDING.

NYCECC Citation	PROVISION	ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE PERSPECTIVE VALUE	SUPPORTING DOCUMENTATIONS
COMMERCIAL BUILDING THERMAL ENVELOPE					
C402.2	Attic and other	Thermal Insulation on roof	Roof Type: R -38 Insulation	Minimum R-38 Insulation	A-300, A301 BUILDING SECTIONS,
C402.2	Walls, Above-grade: Mass.	CMU wall with continuous rigid insulation and brick veneer	R19 continuous rigid exterior insulation + R13 cavity batt interior insulation	Minimum R11.4 continuous insulation	A-300, A301 BUILDING SECTIONS,
C402.2	Metal framed	Frame wall with continuous rigid insulation, and batt cavity insulation	R-13 + R-7.5 continuous insulation	Minimum R-13 +R-7.5 continuous insulation	A-300, A301 BUILDING SECTIONS,
C402.2	Below-Grade Walls	Thermal insulation at cellar walls	R-13 continuous insulation	Minimum R-7.5 continuous insulation	A-300, A301 BUILDING SECTIONS,
C402.2	Floors: Mass	Thermal insulation at floors	R-10.4 continuous insulation	Minimum R10.4 continuous insulation	A-300, A301 BUILDING SECTIONS,
C402.2	Slab-on-Grade Floors: Unheated Slabs	Rigid Insulation under slab.	R-10 for 24" below	R-10 for 24" below	A-300, A301 BUILDING SECTIONS,
ENVELOPE FENESTRATION STANDARDS					
C402.3	Operable fenestration	Operable Windows	U = 0.40, SHGC = 0.40	U = 0.45, SHGC =0.40	A-200, A201 BUILDING ELEVATIONS, A-400
		Entrance doors	U = 0.70, SHGC = 0.40	U = 0.77, SHGC =0.40	A-200, A201 BUILDING ELEVATIONS, A-400
C402.3	Skylights	Fixed skylights	N/A	U = 0.50, SHGC =0.40	N/A
AIR LEAKAGE					
C402.4.	Air barriers	A continuous air barrier shall be provided throughout the building thermal envelope.The air barriers shall be permitted to be located on the inside or outside of the building envelope, located within the assemblies composing the envelope, or any combination thereof.			A-500, PARTITION SCHEDULE W1 / W2
C402.4.2	Air barrier penetrations	Penetrations of the air barrier and paths of air leakage shall be caulked, gasketed or otherwise sealed in a manner compatible with the construction materials and location			A-400, WINDOW, DOOR SCHEDULE
C402.4.3	Air leakage of fenestrations	Windows	20 cfm/sf	20 cfm/sf	A-400, WINDOW, DOOR SCHEDULE
		Sliding doors	20 cfm/sf	20 cfm/sf	A-400, WINDOW, DOOR SCHEDULE
		Skylight	20 cfm/sf	20 cfm/sf	
C402.4.4	Doors and access openings to shafts, chutes, stairways, and elevator lobbies	Doors and access openings from conditioned space to shafts, chutes, stairways and elevator lobbies shall be gasketed, weather stripped or sealed.			A-400, WINDOW, DOOR SCHEDULE
C402.4.5	Air intakes, exhaust openings, stairways and shafts	GREEENHACK BUILDING VALUE , MOTORIZED DAMPERS	Stairway enclosures and elevator shaft vents and other outdoor air intakes and exhaust openings integral to the building envelope shall be provided with dampers in accordance with SectionC403.2.4.4		EN-003 SHEET DETAIL #2
C402.4.7	Vestibules	Vestibule with self closing doors	Vestibule with self closing doors provided,	All building entrances shall be protected with an enclosed vestibule, with all doors opening into and out of the vestibule equipped with self-closing devices. Vestibules shall be designed so that in passing through the vestibule it is not necessary for the interior and exterior doors to open at the same time.	A-101,A102,A103,A104 FLOOR PLANS AND A-400 DOOR SCHEDULE
COMMERCIAL BUILDING MECHANICAL SYSTEMS					
C403.2.1	Calculation of heating and cooling loads	Design loads shall be determined in accordance with the procedures described in ANSI/ASHRAE/ACCA Standard 183. The design loads shall account for the bldg envelope, lighting, ventilation and occupancy loads based on the project design. Heating and cooling loads shall be adjusted to account for load reductions that are achieved where energy recovery systems are utilized in the HVAC system in accordance with the ASHRAE HVAC Systems and Equipment Handbook. Alternatively, design loads shall be determined by an approved equivalent computation procedure, using the design parameters specified in Chapter 3				
C403.2.2	Equipment and system sizing.	The output capacity of heating and cooling equipment and systems shall not exceed the loads calculated in accordance with Section C403.2.1.			
TABLE C403.2.3(2)	ELECTRICALLY OPERATED UNITARY AND APPLIED HEAT PUMPS	Air Conditioner unit Split System ≤ 60,000 btu,	21.5 SEER	25 SEER OUTDOOR UNIT 21.5 SEER INDOOR UNIT	EN-003 SHEET, MECHANICAL EQUIPMENT SCHEDULE
C403.2.4.1	Thermostatic Controls	Programmable Thermostats	One thermostat is provided for each zone	Minimum one thermostat required per zone	EN-001 R.C.P SHEET
C403.2.4.4.2	Outdoor air intakes and exhausts	Outside air intakes and exhaust	Each outdoor supply air and exhaust air ducts are provided with shut off dampers to shut off when not in use	Outdoor air supply and exhaust motorized dampers shall be configured to close automatically when the systems or spaces served are not in use	E-003 FOR UNIT TYPE A.103 FOR LOCATION A 400 WINDOW SCHEDULE
C403.2.5	Ventilation	Mechanical ventilation provided	the system is provided with the capability to reduce the outdoor air supply to the minimum required	Where mechanical ventilation is provided, the system shall provide the capability to reduce the outdoor air supply to the minimum required by Chapter 4 of the New York City Mechanical Code	EN-003 FOR UNIT TYPE A.103 FOR LOCATION A 400 WINDOW SCHEDULE
C403.2.8	Piping insulation	insulation for piping serving HVAC units	1.5" insulation provided for for 1" diameter piping	1.5" for pipe less than 1.5" diameter. 1.5" for piping greater than 1.5" in diameter.	EN-003 SHEET
C404.2	Storage water heaters,gas	AO Smith hot water heater Promax SL GPVT-40L 50,000 btu 40 gallons capacity	0.65 energy factor	0.67 -0.0019V, EF 40 (gal.) x 0.0019 = 0.076 0.67-0.076 = 0.594	EN-003 SHEET
C404.3	Temperature controls	Service water-heating equipment shall be provided with controls to allow a setpoint of 110°F (43°C) for equipment serving dwelling units and 90°F (32°C) for equipment serving other occupancies. The outlet temperature of lavatories in public facility rest rooms shall be limited to 110°F (43°C).			
C404.4	Heat trap	AO Smith hot water heater Promax SL	Equipment supplied with an integral heat trap	Water-heating equipment not supplied with integral heat traps and serving non circulating systems shall be provided with heat traps on the supply and discharge piping associated with the equipment	EN-003 SHEET
C404.5	Pipe insulation	insulation for piping serving HWH units	1" of insulation having a conductivity not exceeding 0.27 Btu per inch	piping shall be insulated with not less than 1 inch (25 mm) of insulation having a conductivity not exceeding 0.27 Btu per inch/h × ft2× °F (1.53 W per 25 mm/m2× K).	EN-003 SHEET
C404.6	Hot water system controls	Circulating hot water system pumps or heat trace shall be arranged to be turned off either automatically or manually when there is limited hot water demand. Ready access shall be provided to the operating controls.			

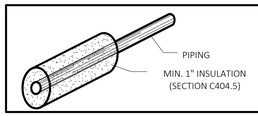
NYCECC Citation	PROVISION	ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE PERSPECTIVE VALUE	SUPPORTING DOCUMENTATIONS
Commercial Building Electrical and Power Lighting Systems					
C405.2.1.1	Interior lighting controls.	Interior lighting switch for rooms, except stairways and corridors.	Interior lighting switches have been provided in every room.	Each area shall have at least one manual control for the lighting serving that area.	EN-003 SHEET
C405.2.1.2	Lighting reduction controls	Each area that is required to have a manual control shall also allow the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern by at least 50 percent Exception, 3. Corridors, equipment rooms, storerooms, restrooms, public lobbies, electrical or mechanical rooms. 4.Sleeping unit(see Section C405.2.3).			not applicable
C405.2.2	Additional lighting controls	Each area that is required to have a manual control shall also have controls that meet the requirements of Sections C405.2.2.1, C405.2.2.2 and C405.2.2.3 Exception: Additional lighting controls need not be provided in the following spaces: 1.Sleeping units.			not applicable
C405.2.2.2	Occupancy sensors	motion sensor in Refuse room and Laundry room.	Occupancy sensors shall be installed in restrooms, storage rooms, private offices 200 square feet (18.5 m2) in area or greater, janitorial closets, and other spaces 300 square feet in area or less enclosed by floor-to-ceiling height partitions, except for spaces listed in Item 1. These automatic control devices shall be installed to automatically turn off lights within 30 minutes of all occupants leaving the space, and shall either be manual-on or shall be controlled to automatically turn the lighting on to not more than 50 percent power		EN-001 R.C.P SHEET
C405.2.2.3	Daylight zone control.	Daylight zones shall be designed such that lights in the daylight zone are controlled independently of general area lighting and are controlled in accordance with either Section C405.2.2.3.1 or Section C405.2.2.3.2. Exception: Daylight zones enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting			BALCONIES, ROOF, RECREATION SPACE
C405.2.4	Exterior lighting controls	All exterior lighting shall be provided with a control that automatically turns off the lighting when daylight is available. Where lighting the building façade or landscape, the lighting shall also be provided with controls that automatically shut off thelighting from 12 midnight or within one hour of the end of business operations, Exception 4.Lighting for covered vehicle entrances or exits from buildings or parking structures where required for safety, security, or eye adaptation			not applicable
C405.4	Exit Signs	19 new LED exit signs to be provided.	5W per side	Internally illuminated exit signs shall not exceed 5 watts per side.	Shown on A-100,101,102,103104,105 FLOOR PLANS
C405.5.2	Interior lighting power.	Interior lighting (see sheet EN-001 for type of lighting used) TABLE C405.5.2(1) Multifamily use: 0.7 Watt/sf	Proposed building = 11,166 sf 11,166 X 0.7 = 7,816.20 Watt Permitted PROPOSED: 1,451 TOTAL INTERIOR LIGHTING WATTS	The total interior lighting power allowance (watts) is determined according to Table C405.5.2(1) using the Building Area Method	EN-001 SHEET ,
C405.6.2	Exterior building lighting power LIGHTING ZONE 2	Exterior Lighting is provided for main entrance, and balconies doors.	PROPOSED 234 WATTS, PERMITTED 1,820 WATTS, SEE SHEET EN001 FOR CALCULATION DETAILS.	The total exterior lighting power allowance for all exterior building applications is the sum of the base site allowance plus the individual allowances for areas that are to be illuminated and are permitted in Table C405.6.2(2) for the applicable lighting zone Base site allowance Zone 2 600 watts Main entries 20 W/linear foot of door width, other doors 20 W/linear foot of door width	EN-001 R.C.P SHEET , SEE SHEET A101,A102,A103,A104, A400 FOR DOOR SIZE AND LOCATIONS
C405.7	Electrical energy consumption (Mandatory).	Separate electrical meters have been provided for each unit.	1 METER FOR EACH D.W.U	In buildings having individual dwelling units, provisions shall be made to determine the electrical energy consumed by each tenant by separately metering individual dwelling units	A100 ,CELLAR PLAN

MECHANICAL EQUIPMENT SCHEDULE

QUANTITY	EQUIPMENT. CATEGORY	MANUFACTURER	SEER / E.F	MODEL	TYPE	CAP. (GAL. , BTU)	MEA#
11	HOT WATER HEATER	A.O SMITH	0.70 EF	ProMax® SL Power Vent	GAS	40 GALLON	MEA # 346-06-E
29 (INDOOR)	COOLING (blower)	FREDERICH	25	M12YJ	ELECTRIC	10.800 BTU	MEA # 354-00-E
10 (OUTDOOR)	COOLING / HEATING (pump)	FREDERICH	21.5	MR24DY3JM	ELECTRIC	24.300 BTU	MEA # 354-00-E

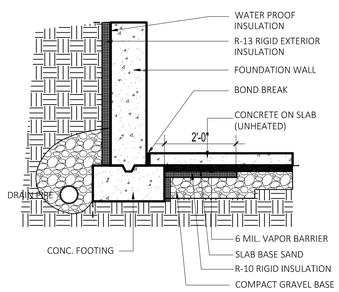
C408.2.5.2 Manuals.An operating and maintenance manual shall be provided and include all ofthe following:1.Submittal data stating equipment size and selected options for each piece of equipment requiring maintenance.2.Manufacturer's operation manuals and maintenance manuals for each piece of equipment requiring maintenance, except equipmentnot furnished as part of the project. Required routine maintenance actions shall be clearly identified.3.Name and address of at least one service agency.4.HVAC controls system maintenance and calibration information, including wiring diagrams, schematics, and control sequence descriptions. Desired or field-determined setpoints shall be permanently recorded on control drawings at control devices or, for digital control systems, in system programming instructions.5.A narrative of how each system is intended to operate, including recommended setpoints

DETAIL # 1



FOOTING BELOW GRADE INSULATION DETAIL

DETAIL # 3



THE INSULATION SHALL EXTEND DOWNWARD FROM THE TOP OF THE SLAB FOR A MINIMUM DISTANCE MIN 24" OR TO THE TOP OF THE FOOTING, WHICHEVER IS LESS, OR DOWNWARD TO AT LEAST THE BOTTOM OF THE SLAB AND THEN HORIZONTALLY TO THE INTERIOR OR EXTERIOR FOR THE TOTAL DISTANCE OF MIN 24"

ECCCNY COMPLIANCE STATEMENT
TO THE BEST OF MY KNOWLEDGE , BELIEF , AND PROFESSIONAL JUDGMENT , THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE ENERGY CONSERVATION CONSTRUCTION CODE OF NY CITY 2014

MECHANICAL EQUIPMENT:

MANUFACTURER BY: AO SMITH
MODEL. # ProMax® SL Power Vent # GPVT 40L

Energy Factor:	0.65
GALLON:	40 - (53 (RECOVERY)
MAX BTU:	50.000 BTU
IGNITION TYPE:	ELECTRONIC
VENT TYPE:	POWER VENT

MECHANICAL HVAC EQUIPMENT:

ELECTRIC HVAC UNIT:
MANUFACTURER BY: FRIEDRICH
MODEL. # M12YJ + MR24DY3JM
SEER : 21.5

MAX WATTAGE:	1430 COOLING
MAX WATTAGE:	2210 HEATING
MAX BTU:	10.800 BTU

The general contractor shall check and verify all dimensions and report all errors and omissions to the Architects. Do not scale the drawing. This drawing shall not be used for construction purposes until signed by the consultants.

The Architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, procedures or for safety precautions and programs in connection with the work, for the acts of omissions of the Contractor, SubContractor or any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use Dimensions as shown. Drawings are NOT to scaled.

REVISIONS

No.:	Date:	Description:

Professional Seal & Info
GENARO R. URUETA, R.A.
GENARO URUETA INC.
54-21 71ST STREET
MASPETH, NY .11378
TELEPHONE: (718) 458-1518
FAX: (718) 504-6208

REGISTERED ARCHITECT GENARO R. URUETA 035810 STATE OF NEW YORK

Project:
391 MEEKER AVENUE
BROOKLYN, N.Y 11222

PROPOSED 4 STORY & PENTHOUSE + CELLAR NEW BUILDING

DRAWING TITLE:
-ENERGY CODE COMPLIANCE

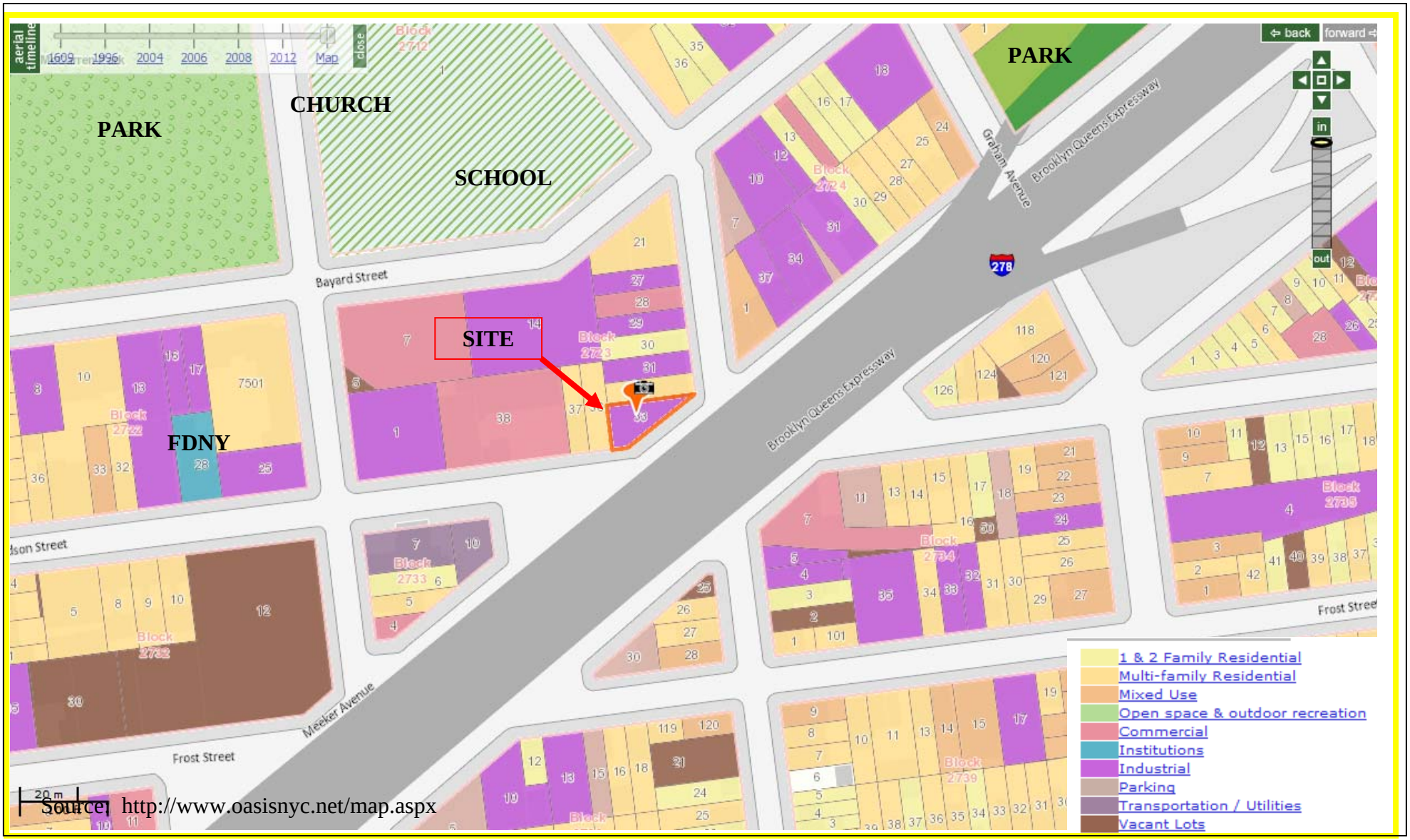
Job Application #:

PROJECT : 15009 | Drawn by: G.H
Date: 08.26.2015

Drawing No.:
EN-102

SHEET NO: 22 OF 22

Genaro R. Urueta , R.A. , © Copyright 2015



Source: http://www.oasisnyc.net/map.aspx

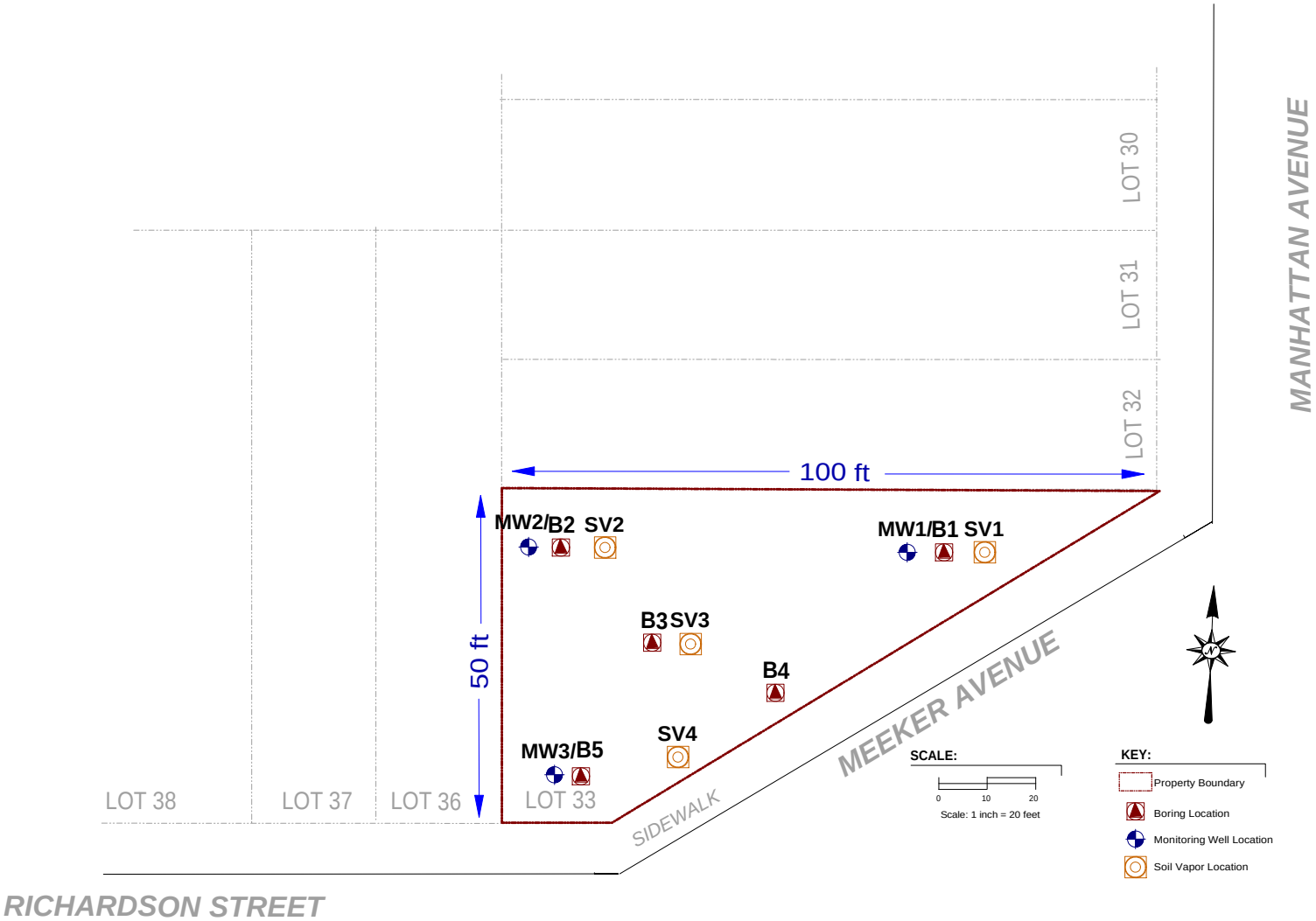
FIGURE 4

SURROUNDING LAND USE MAP

391 MEEKER AVENUE, BROOKLYN, NY 11222

HAZARDOUS MATERIALS REMEDIAL INVESTIGATION REPORT

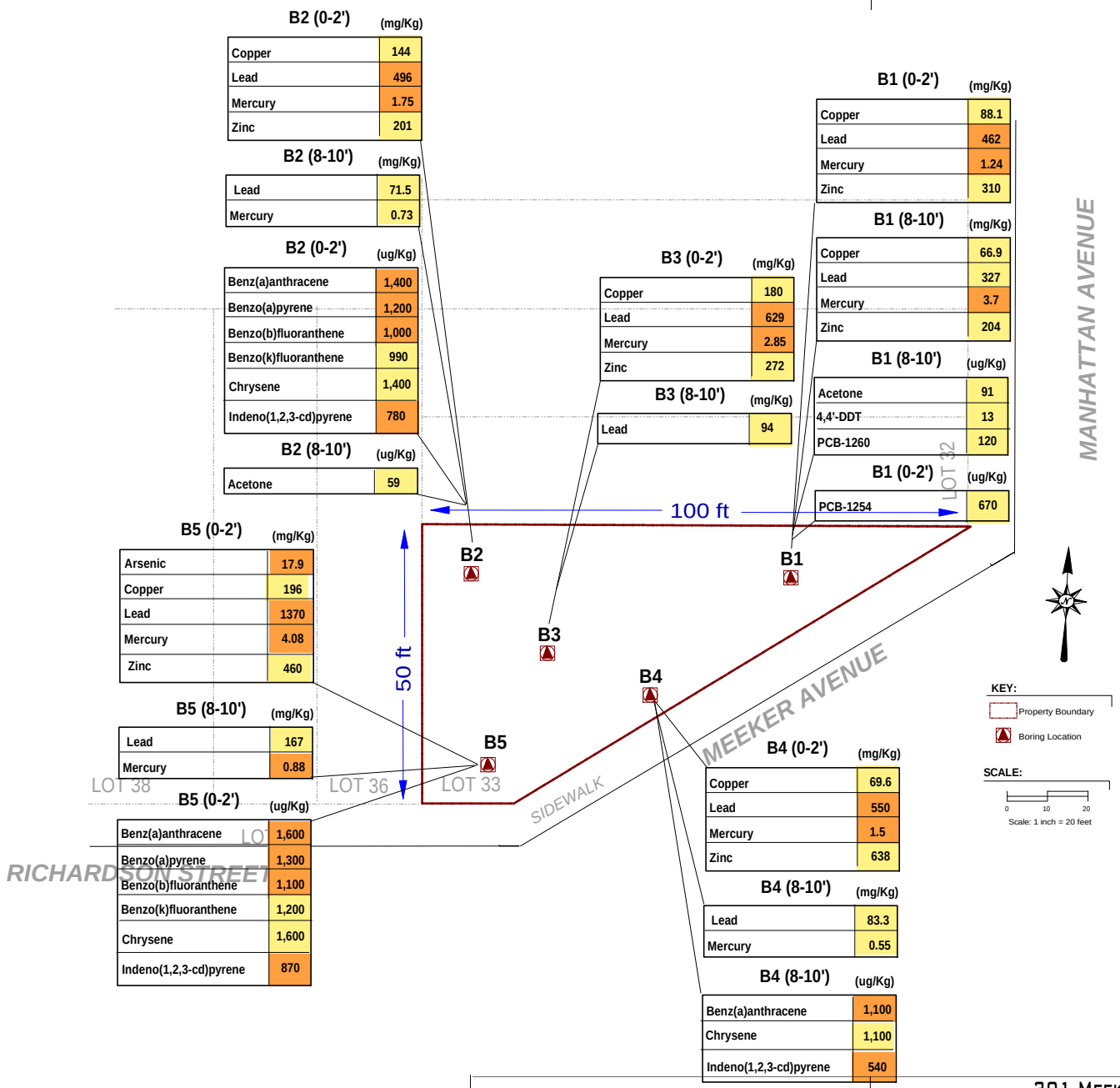
EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
1808 MIDDLE COUNTRY ROAD, RIDGE, NEW YORK 11961
PHONE: (631) 504-6000 FAX: (631) 924-2870



EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631.924.2870

391 MEEKER AVENUE
BROOKLYN, NY

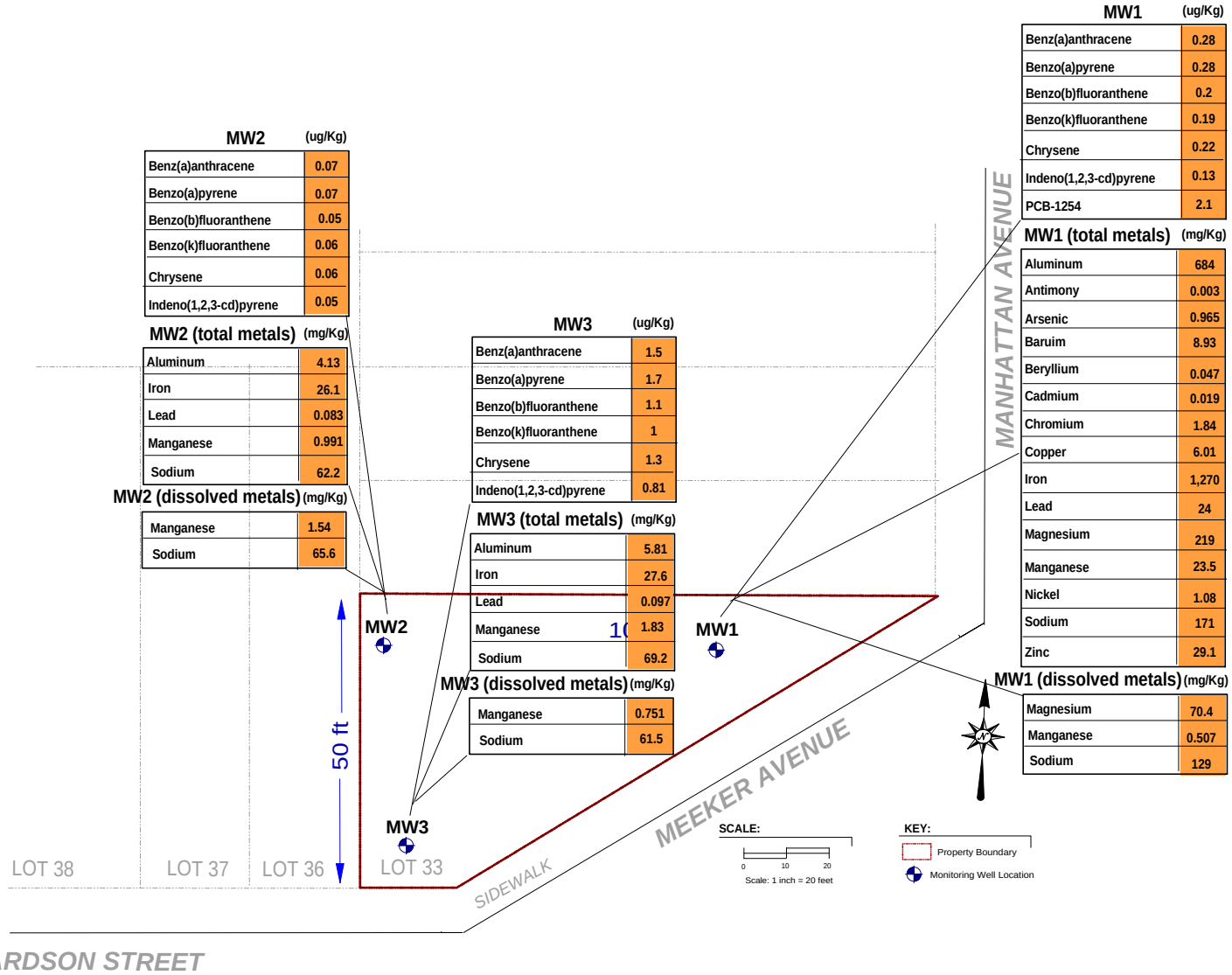
FIGURE 5 SITE SAMPLING LOCATIONS



EBC
Environmental Business Consultants
Phone 631.504.6000
Fax 631.924.2870

391 Meeker Avenue
Brooklyn, NY

FIGURE 6 Soil Exceedences Map



EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Phone 631.504.6000
Fax 631.924.2870

391 MEEKER AVENUE
BROOKLYN, NY

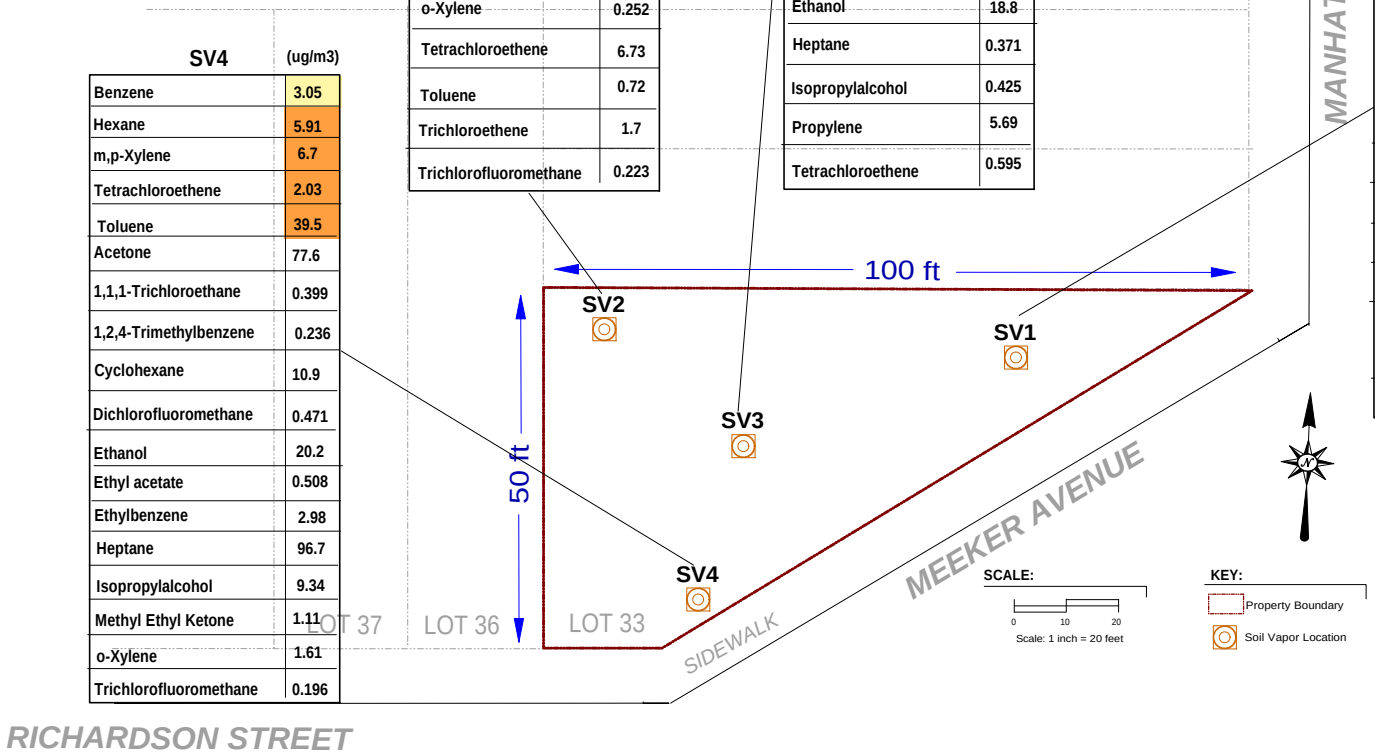
FIGURE 7 GROUNDWATER EXCEEDENCES MAP

SV2	(ug/m3)
1,1,1,2-Tetrachloroethane	0.195
Acetone	14.9
Dichlorofluoromethane	0.437
Ethanol	16.3
Ethyl Acetate	0.397
Ethylbenzene	0.237
Isopropylalcohol	7.62
m,p-Xylene	0.734
o-Xylene	0.252
Tetrachloroethene	6.73
Toluene	0.72
Trichloroethene	1.7
Trichlorofluoromethane	0.223

SV3	(ug/m3)
Benzene	8,850
Ethylbenzene	87.9
Hexane	46,100
m,p-Xylene	158
Methylene Chloride	150
Toluene	8,810
Acetone	0.852
Cyclohexane	0.552
Ethanol	18.8
Heptane	0.371
Isopropylalcohol	0.425
Propylene	5.69
Tetrachloroethene	0.595

SV1	(ug/m3)
Toluene	3.37
4-Methyl-2-pentanone	0.381
Acetone	34.7
Benzene	0.571
Carbon Tetrachloride	0.072
Cyclohexane	0.852
Dichlorofluoromethane	0.552
Ethanol	18.8
Ethyl Acetate	0.371
Ethylbenzene	0.425
Heptane	5.69
Hexane	0.595
Isopropylalcohol	8.75
m,p-Xylene	1.17
Methyl Ethyl Ketone	0.544
o-Xylene	0.373
Tetrachloroethene	0.069
Trichlorofluoromethane	0.243

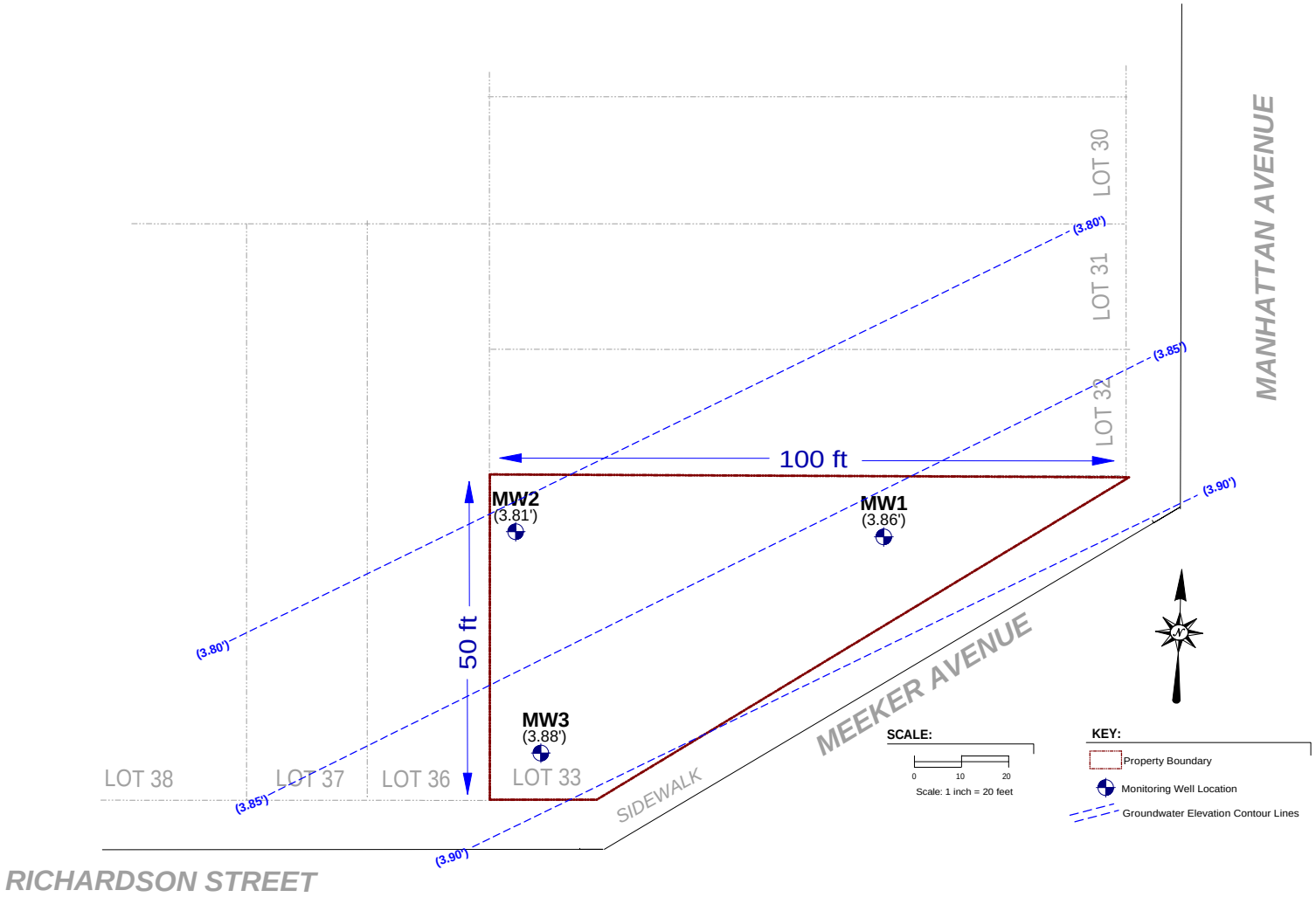
SV4	(ug/m3)
Benzene	3.05
Hexane	5.91
m,p-Xylene	6.7
Tetrachloroethene	2.03
Toluene	39.5
Acetone	77.6
1,1,1-Trichloroethane	0.399
1,2,4-Trimethylbenzene	0.236
Cyclohexane	10.9
Dichlorofluoromethane	0.471
Ethanol	20.2
Ethyl acetate	0.508
Ethylbenzene	2.98
Heptane	96.7
Isopropylalcohol	9.34
Methyl Ethyl Ketone	1.11
o-Xylene	1.61
Trichlorofluoromethane	0.196



EBC
ENVIRONMENTAL BUSINESS CONSULTANTS
Phone 631.504.6000
Fax 631.924.2870

391 MEEKER AVENUE
BROOKLYN, NY

FIGURE 8 SOIL VAPOR DETECTIONS



EBC
Environmental Business Consultants
Phone 631.504.6000
Fax 631.924.2870

391 Meeker Avenue
Brooklyn, NY

FIGURE 9 Groundwater Contour Map

APPENDIX A

PHASE I SCREENING SUMMARY

EBC - JANUARY 2016

1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961
PHONE 631.504.6000
FAX 631.924.2870

PHASE I Screening Summary
391 Meeker Avenue
Brooklyn, NY 11222
Block 2723, Lot No. 33

Lot Info:
The Site consists of one irregular-shaped land parcel located on the northwest side of Meeker Avenue in the Greenpoint neighborhood of Brooklyn, New York (**Figure 1**). The physical address associated with the Site is 391 Meeker Avenue, Brooklyn, NY 11222. The Site is identified as Block 2723, Lot No. 33 on the NYC Tax Map (**Figure 2**). The Site has approximately 95 feet of street frontage along Meeker Avenue and approximately 20 feet of street frontage along Richardson Street. The Site's footprint is approximately 2,958 square feet (sf) in area.

Based on a surface elevation of 14 feet above mean sea level, depth to groundwater is anticipated at approximately 10 feet below grade. Additionally, the nearest surface water body is the East River, present approximately 0.9 miles east of the Site. Groundwater is expected to flow in a general easterly direction towards the East River.

The Site is primarily zoned manufacturing (M1-2) and residential (R6A). The Site is currently developed with a one-story commercial use building occupied by a flooring materials supply company (BK Floor Supply Inc.). Prior to being occupied by a flooring company, the onsite building was occupied by an auto repair shop, auto body shop, car wash and a beer distributor. The onsite building occupies the entire footprint of the Site, has concrete block/brick exterior walls and a flat asphaltic rooftop. There are four doors to access the Site along Meeker Avenue and Richardson Street including one Bay door for vehicle access. The building's interior currently consists primarily storage space for lumber, flooring materials, paints and adhesives.

Site Inspection:

Mr. Gregory Swirson visited the Site on January 5, 2015 at approximately 12:00pm. Mr. Swirson confirmed the presence of a single-story commercial building currently occupied by BK Floor Supply Inc. The onsite building is constructed atop a slab-on-grade foundation, has concrete block/brick exterior walls and a flat asphaltic rooftop. There are four doors to access the Site along Meeker Avenue and Richardson Street including one Bay door for vehicle access. The interior consists of storage space for commercial grade lumber, flooring, paints and sealants/adhesives. One floor drain was observed in the storage area on the west side of the building; however, there was no evidence of hydraulic lifts or equipment associated with the prior auto repair shop occupants. The owner and occupants were not made available for comments regarding the current and historic usage of the Site. However, one of the current occupants stated that the Site is currently connected to the sewer, is provided electric service by Con Edison, natural gas by National Grid and is also connected to cable and internet.

History:
Site history was based on the review of Sanborn Maps, aerial photos, city directory listings and historic topographic maps. According to the review these historic documents, it is known that the Site has been developed since at least 1916. In older Sanborn maps from 1887 and 1905, the Site was undeveloped. In 1916, the Site was developed with a single-story scrap rubber storage building on the west side of the Site and an attached garage on the east side. Adjacent properties included a poultry shop to the west followed by a storefront and lumber shed along Richardson Street and a storefront and residence to the north along Manhattan Avenue. The surrounding vicinity consisted primarily of manufacturing facilities with a few residential and storefront properties between. The Brooklyn Queens Expressway was also not present above Meeker Avenue at this time. By 1942, the former scrap rubber building on the west side of the Site was occupied by a beer depot and the attached garage/storage area remained on the east side of the Site and a small office was present in the approximate center of the Site along Meeker Avenue. Adjacent properties and the surrounding vicinity remained generally unchanged through 1942. The Site and surrounding vicinity remained generally unchanged through 1951; however, the Brooklyn Queens Expressway was now present above Meeker Avenue. Sanborn maps indicate that the Site remained occupied by a beer depot through 2007; however, it is known from other sources including City Directory listings, that the beer depot was only present from circa 1940 through 1985. City Directory listings are summarized in the following:

According to City Directory listings, the Site was occupied by a several beer distributors (Liberty Beer Distributors, Berlin Bros Beer Distributors, Thrifty Beverage and Russin Beer) from at least 1940 through circa 1985, Zapil Juan Car Wash circa 2000, Ralhpy's Auto Body Repair Shop circa 2008 and BK Floor Supply Inc circa 2013. The onsite building is still occupied by BK Floor Supply Inc.

Environmental Database Search:
Environmental Data Resources (EDR) of Southport, Connecticut was retained to provide a computerized database search of the project area within an ASTM-standard radius of the Site. EBC reviewed the database output to determine if the Site is listed on any of the regulatory agency lists. According to the database report, the Site has an E-Designation (E-138) for HazMat and Air as the result of the Greenpoint-Williamsburg Rezoning action (CEQR No. 04DCP003K).

The Site is listed as historic auto station site for the presence of Meeker Auto Repair Inc. from at least 1992 through 2004 and Ralphy's Auto Body Repair present circa 2006 through 2008. Auto repair facility operations typically involve the usage of oils, waste oil, fuels, fuel additives and cleaners and solvents which have the potential to impact the subsurface of the Site. The historical use of the Site as an auto repair and body shop facility from circa 1992 through 2008 is considered a REC. As such, EBC recommends conducting a Phase II subsurface investigation to evaluate the Site's subsurface for the potential presence of contamination.

The Site is also located in a 500-year flood zone. Additionally, a 100-year flood zone is located approximately 320 feet to the west of the Site. The risk of flooding at the Site is considered unlikely; however, there is a low risk for flooding at the Site.

NYC DOB:
The New York City Department of Building's (NYCDOB) online Business Information System (BIS) program was accessed in order to review available documents and records relating to the historic usage and current status of the Site. Several listings as well as a Certificate of Occupancy (COO) for the Site were provided. The COO dated 1997 indicates the presence of one-story auto repair facility with no basement. There were also four complaints, three DOB-violations, one job/filing and seven actions listed for the Site. The four complaints included one from 1989 in regard to fumes from the auto body shop's operations entering an adjacent apartment building, one from 2001 in regard to auto body shop fumes not being properly vented, one from 2002 in regard to fumes entering an adjacent apartment building and one from 2013 in regard to fumes and odors emanating from the Site during demolition activities. Three DOB-violations are listed; however, no detailed information regarding these violations is provided except that they have all since been dismissed. One job/filing from 2015 documents an alteration of the existing commercial establishment to create vertical enlargement. Seven actions for the Site include a building alteration from 1973, a building notice from 1940, the aforementioned COO from 1997, an electric sign application from 1903, two plumbing repair slips from 1908 and 1913 as well as the three aforementioned DOB-violations which have all been dismissed.

Conclusions/Recommendations:
Based upon reconnaissance of the subject site and surrounding properties, and review of historical records and regulatory agency databases, two Recognized Environmental Conditions (RECs) were identified for the Site. Additionally, several environmental concern were identified and are listed in the following:

- According to the database report, the Site has an E-Designation (E-138) for HazMat and Air as the result of the Greenpoint-Williamsburg Rezonong action (CEQR No. 04DCP003K). Therefore, a testing protocol to evaluate subsurface soils is required and some restrictions may apply to maintain indoor air quality at the proposed new building.

- The Site is listed as historic auto station site for the presence of Meeker Auto Repair Inc. from at least 1992 through 2004 and Ralphy's Auto Body Repair present circa 2006 through 2008. Auto repair facility operations typically involve the usage of oils, waste oil, fuels, fuel additives and cleaners and solvents which have the potential to impact the subsurface of the Site. The historical use of the Site as an auto repair and body shop facility from circa 1992 through 2008 is considered a REC. As such, EBC recommends conducting a Phase II subsurface investigation to evaluate the Site's subsurface for the potential presence of contamination.

Additional Environmental Concerns:

1808 Middle Country Road
Ridge, NY 11961
Phone 631.924.0870
Fax 631.924.2870

- Due to the age of the onsite building, there is a potential for the presence of asbestos-containing materials at the Site.
- Due to the age of the onsite building, there is a potential for the presence of lead-based paints at the Site.
- Due to the age of the onsite building and because the onsite building was occupied by an auto repair and auto body shop, there is a potential for the presence of PCB-containing equipment including hydraulic lifts and light ballasts.
- The Site is located in a 500-year flood zone and has a low risk of flooding.

1808 Middle Country Road
Ridge, NY 11961
Phone 631.924.0870
Fax 631.924.2870

FIGURES

1808 Middle Country Road
Ridge, NY 11961
Phone 631.924.0870
Fax 631.924.2870

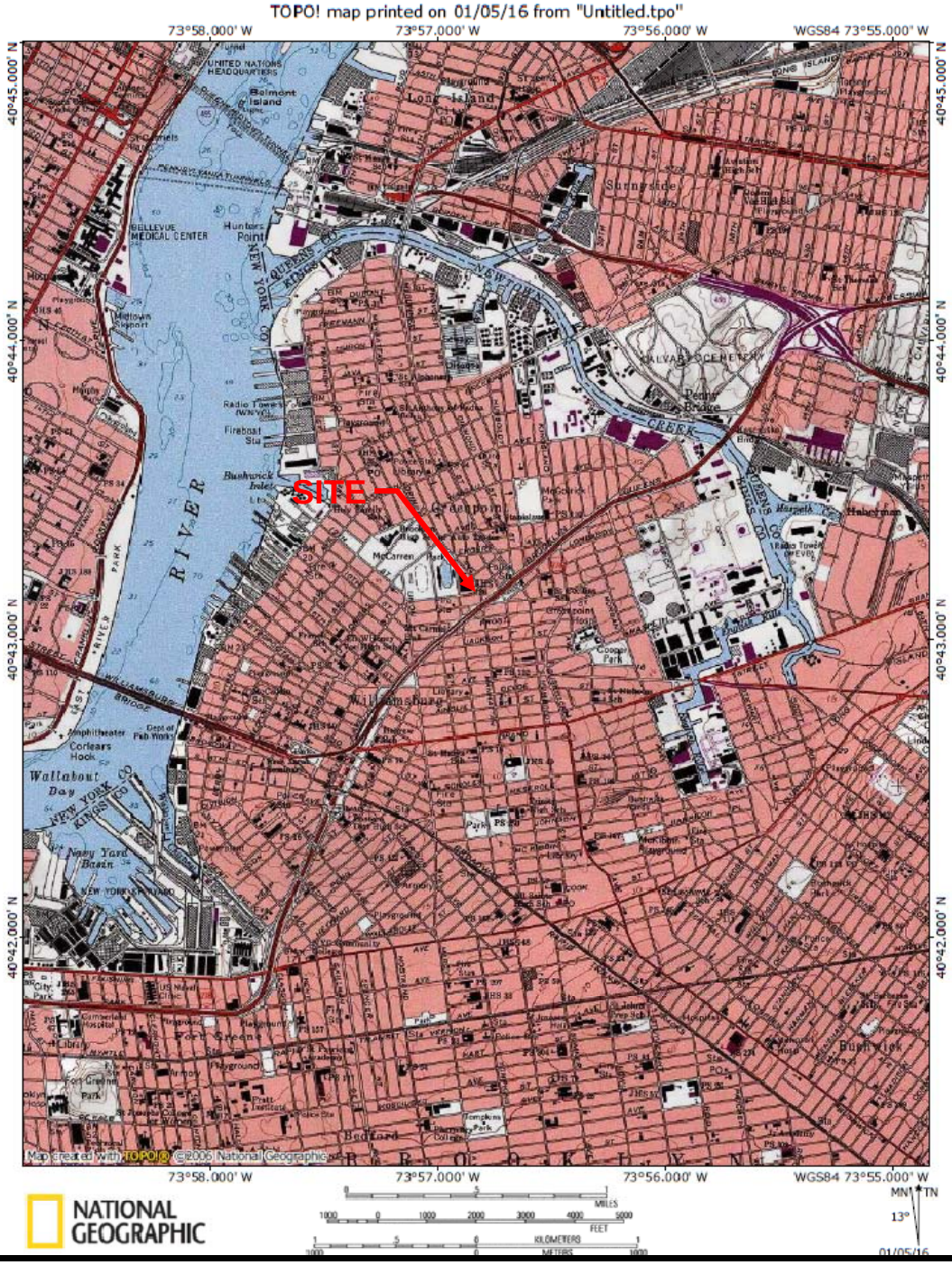


FIGURE 1 – SITE LOCATION MAP

N

SITE NAME: 391 Meeker Avenue
STREET ADDRESS: 391 Meeker Avenue
MUNICIPALITY, STATE, ZIP: Brooklyn, NY 11222

EBC
Phone *631.504.6000*
Fax *631.924.2870*
Environmental Business Consultants

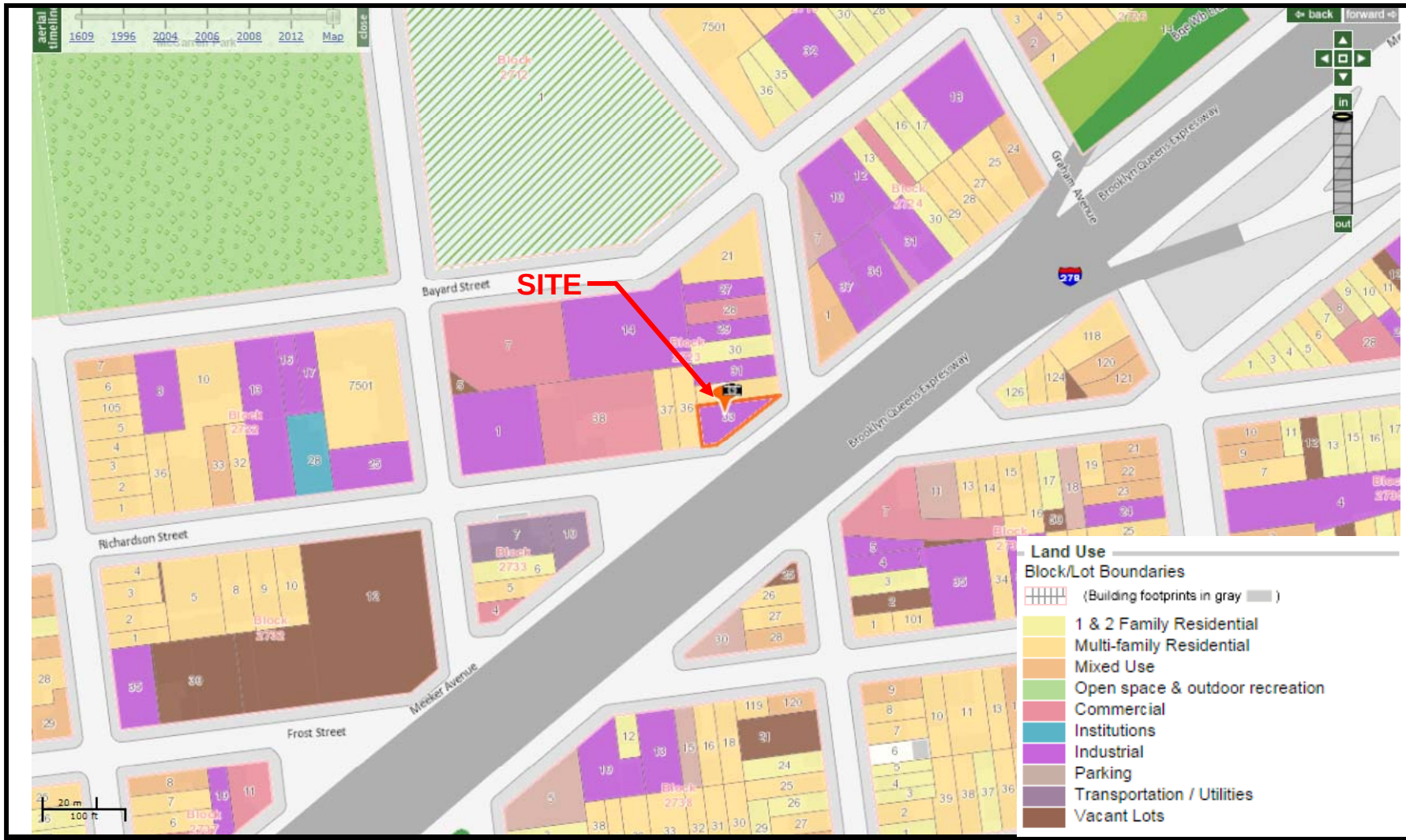


FIGURE 2 – LOT DIAGRAM

N

SITE NAME: 391 Meeker Avenue
STREET ADDRESS: 391 Meeker Avenue
MUNICIPALITY, STATE, ZIP: Brooklyn, NY 11222

EBC
Phone *631.504.6000*
Fax *631.924.2870*
ENVIRONMENTAL BUSINESS CONSULTANTS

SANBORN MAPS

1808 Middle Country Road
Ridge, NY 11961
Phone 631.924.0870
Fax 631.924.2870

391 Meeker Avenue

391 Meeker Avenue

Brooklyn, NY 11222

Inquiry Number: 4504364.3

January 05, 2016

Certified Sanborn® Map Report

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

1/05/16

Site Name:
391 Meeker Avenue
391 Meeker Avenue
Brooklyn, NY 11222

Client Name:
Env. Business Consultants
1808 Middle Country Road
Ridge, NY 11961

EDR Inquiry # 4504364.3

Contact: Rob Bennett

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Env. Business Consultants were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: 391 Meeker Avenue
Address: 391 Meeker Avenue
City, State, Zip: Brooklyn, NY 11222
Cross Street:
P.O. # DFX1601
Project: 391 Meeker Avenue
Certification # 4833-452C-BC1C

Maps Provided:

2007	2001	1988	1980	1916
2006	1996	1987	1979	1905
2005	1995	1986	1978	1887
2004	1993	1983	1965	
2003	1991	1982	1951	
2002	1989	1981	1942	

Sanborn® Library search results
Certification # 4833-452C-BC1C

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

Env. Business Consultants (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

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 OF 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 or forecast 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.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Sanborn Sheet Thumbnails

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

2007 Source Sheets

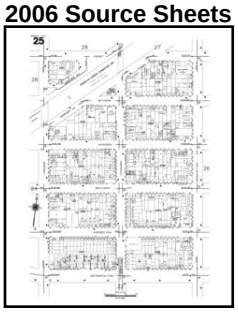
Volume 4, Sheet 26

Volume 4, Sheet 27

Volume 4, Sheet 29

Volume 4, Sheet 25

2006 Source Sheets



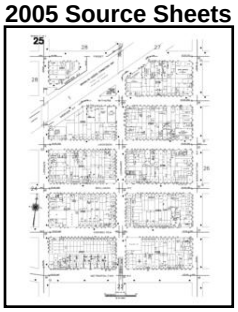
Volume 4, Sheet 25

Volume 4, Sheet 26

Volume 4, Sheet 27

Volume 4, Sheet 29

2005 Source Sheets



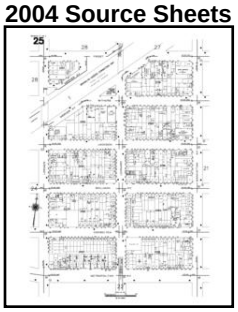
Volume 4, Sheet 25

Volume 4, Sheet 26

Volume 4, Sheet 27

Volume 4, Sheet 29

2004 Source Sheets



Volume 4, Sheet 25

Volume 4, Sheet 26

Volume 4, Sheet 27

Volume 4, Sheet 29

2003 Source Sheets

Volume 4, Sheet 29

Volume 4, Sheet 25

Volume 4, Sheet 26

Volume 4, Sheet 27

2002 Source Sheets

Volume 4, Sheet 25

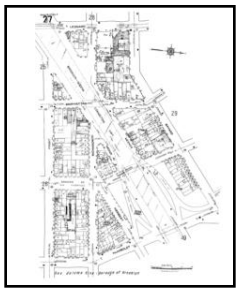
Volume 4, Sheet 26

Volume 4, Sheet 27

Volume 4, Sheet 29

2001 Source Sheets

Volume 4, Sheet 26



Volume 4, Sheet 27

Volume 4, Sheet 29

Volume 4, Sheet 25

1996 Source Sheets

Volume 4, Sheet 25

Volume 4, Sheet 26

Volume 4, Sheet 27

Volume 4, Sheet 29

1995 Source Sheets

Volume 4, Sheet 25

Volume 4, Sheet 26

Volume 4, Sheet 27

Volume 4, Sheet 29

1993 Source Sheets

Volume 4, Sheet 25

Volume 4, Sheet 26

Volume 4, Sheet 27

Volume 4, Sheet 29

1991 Source Sheets

Volume 4, Sheet 29

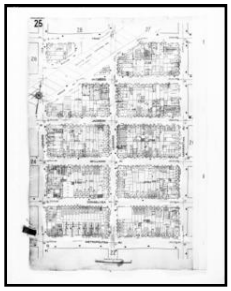
Volume 4, Sheet 25

Volume 4, Sheet 26

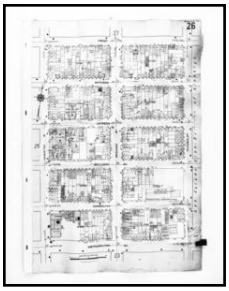
Volume 4, Sheet 27

1989 Source Sheets

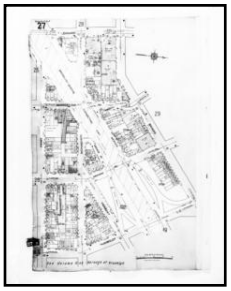
Volume 4, Sheet 29



Volume 4, Sheet 25



Volume 4, Sheet 26

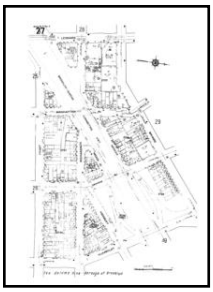


Volume 4, Sheet 27

1988 Source Sheets

Volume 4, Sheet 25

Volume 4, Sheet 26

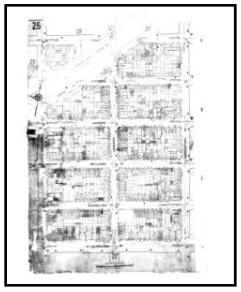


Volume 4, Sheet 27

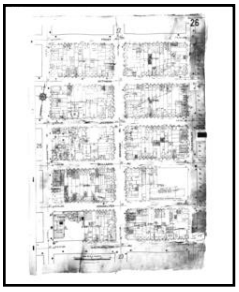
Volume 4, Sheet 29

1987 Source Sheets

Volume 4, Sheet 29



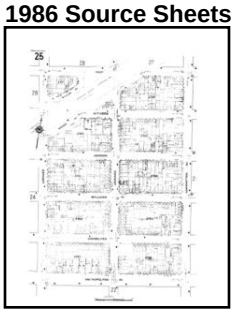
Volume 4, Sheet 25



Volume 4, Sheet 26

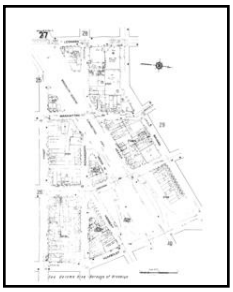
Volume 4, Sheet 27

1986 Source Sheets



Volume 4, Sheet 25

Volume 4, Sheet 26

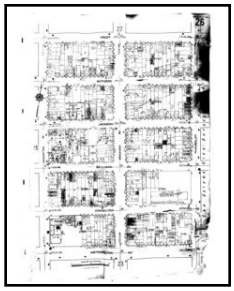


Volume 4, Sheet 27

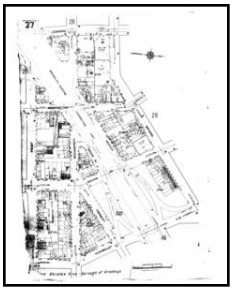
Volume 4, Sheet 29

1983 Source Sheets

Volume 4, Sheet 25



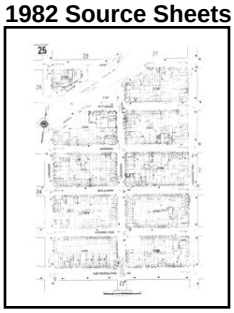
Volume 4, Sheet 26



Volume 4, Sheet 27

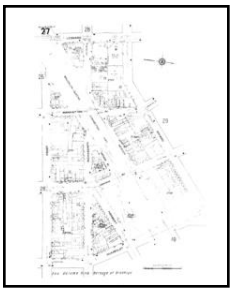
Volume 4, Sheet 29

1982 Source Sheets



Volume 4, Sheet 25

Volume 4, Sheet 26



Volume 4, Sheet 27

Volume 4, Sheet 29

1981 Source Sheets

Volume 4, Sheet 25

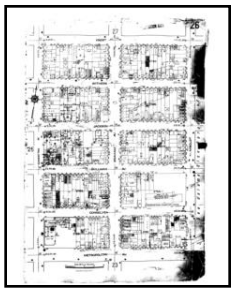
Volume 4, Sheet 26

Volume 4, Sheet 27

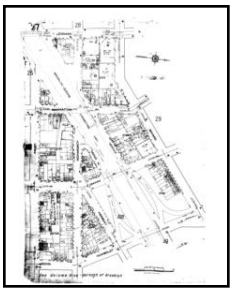
Volume 4, Sheet 29

1980 Source Sheets

Volume 4, Sheet 25



Volume 4, Sheet 26

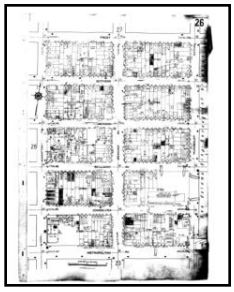


Volume 4, Sheet 27

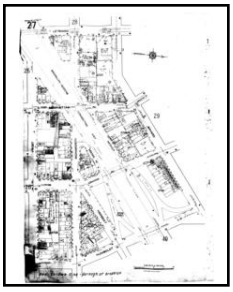
Volume 4, Sheet 29

1979 Source Sheets

Volume 4, Sheet 25



Volume 4, Sheet 26



Volume 4, Sheet 27

Volume 4, Sheet 29

1978 Source Sheets

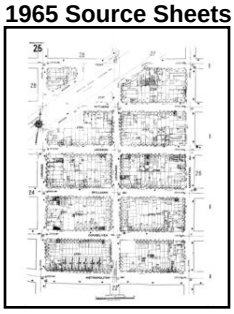
Volume 4, Sheet 25

Volume 4, Sheet 26

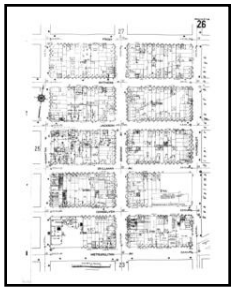
Volume 4, Sheet 27

Volume 4, Sheet 29

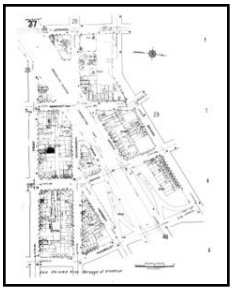
1965 Source Sheets



Volume 4, Sheet 25



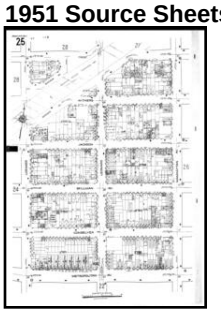
Volume 4, Sheet 26



Volume 4, Sheet 27

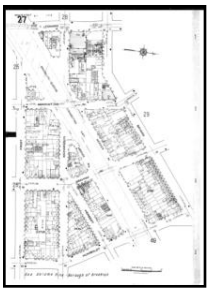
Volume 4, Sheet 29

1951 Source Sheets



Volume 4, Sheet 25

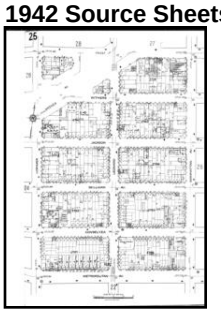
Volume 4, Sheet 26



Volume 4, Sheet 27

Volume 4, Sheet 29

1942 Source Sheets



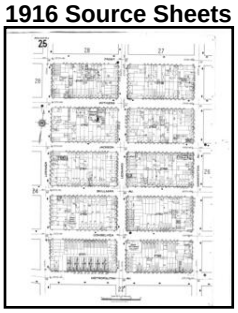
Volume 4, Sheet 25

Volume 4, Sheet 26

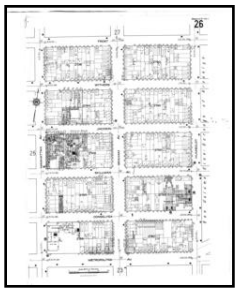
Volume 4, Sheet 27

Volume 4, Sheet 29

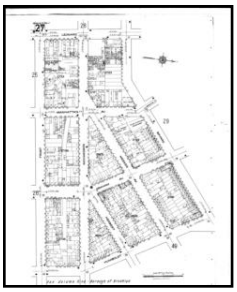
1916 Source Sheets



Volume 4, Sheet 25



Volume 4, Sheet 26



Volume 4, Sheet 27

Volume 4, Sheet 29

1905 Source Sheets

Volume 4, Sheet 25

Volume 4, Sheet 26

Volume 4, Sheet 27

Volume 4, Sheet 29

1887 Source Sheets

Volume 4, Sheet 100

Volume 4, Sheet 107

2007 Certified Sanborn Map

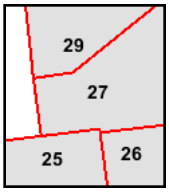
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	2007

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

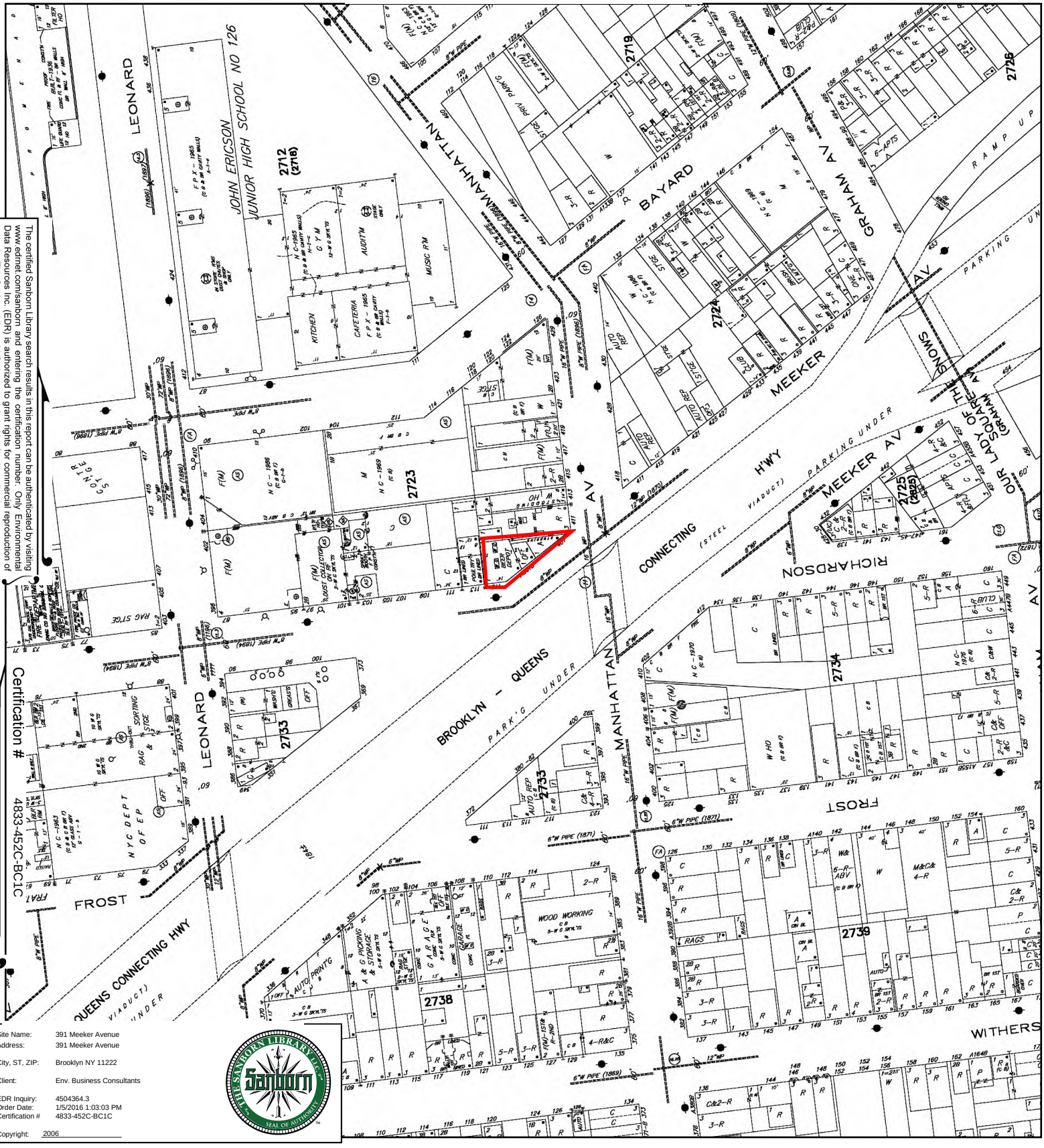
0 Feet 150 300 600



Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29
Volume 4, Sheet 25

N

2006 Certified Sanborn Map



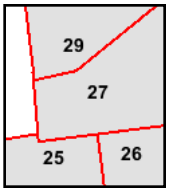
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	2006

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

2005 Certified Sanborn Map

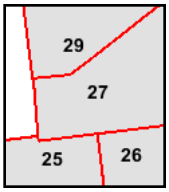
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	2005

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

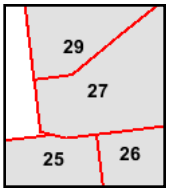
2004 Certified Sanborn Map

The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	2004

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

2003 Certified Sanborn Map

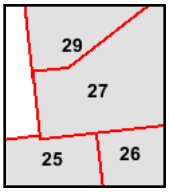
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	2003

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 4, Sheet 29
Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27

N

2002 Certified Sanborn Map

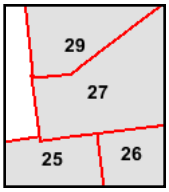
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	2002

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

2001 Certified Sanborn Map

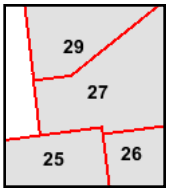
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	2001

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

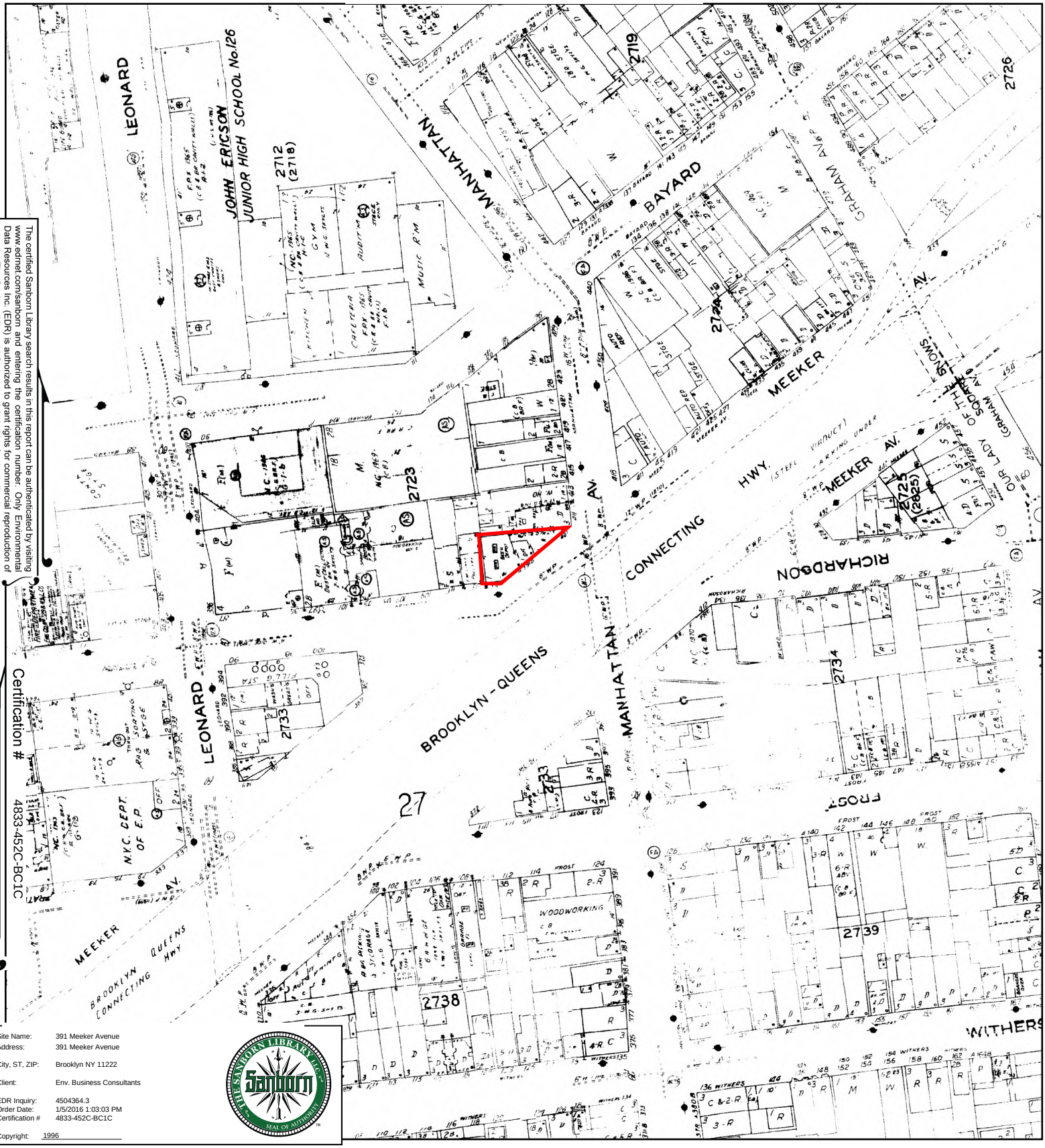
0 Feet 150 300 600



Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29
Volume 4, Sheet 25

N

1996 Certified Sanborn Map



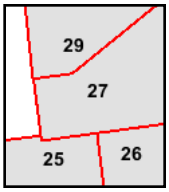
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1996

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

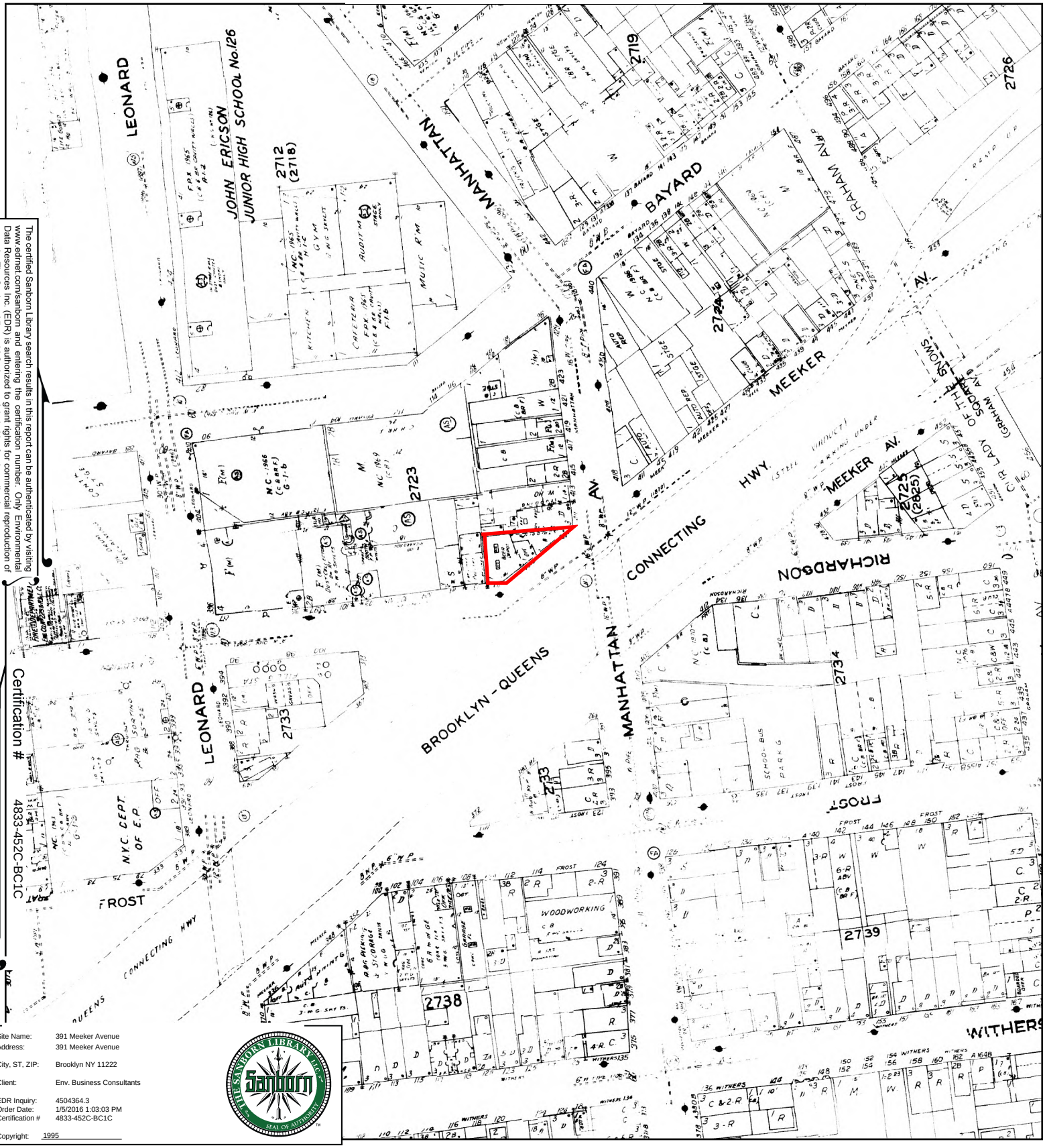
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1995 Certified Sanborn Map



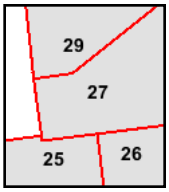
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1995

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

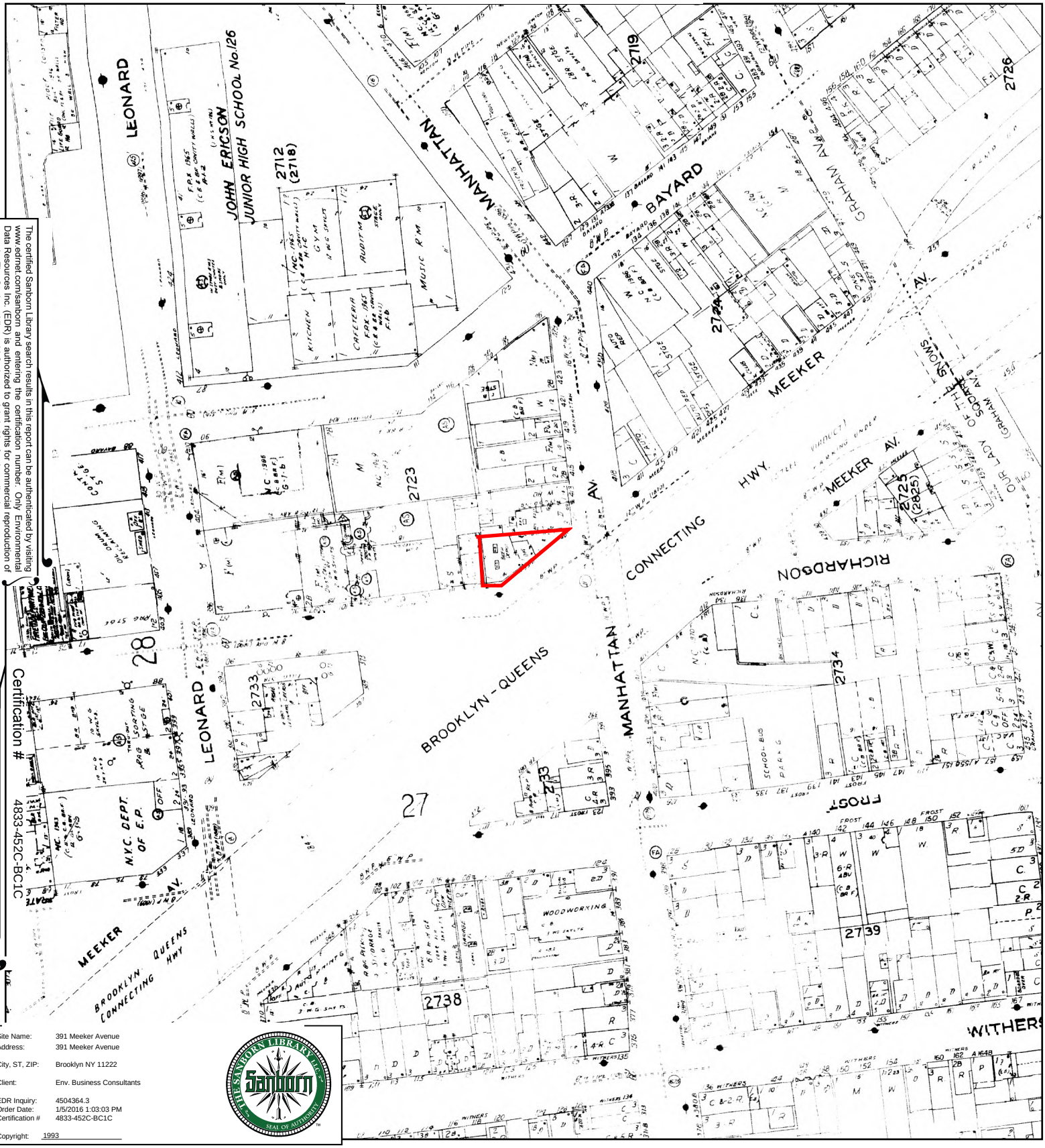
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1993 Certified Sanborn Map



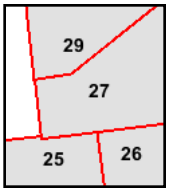
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1993

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

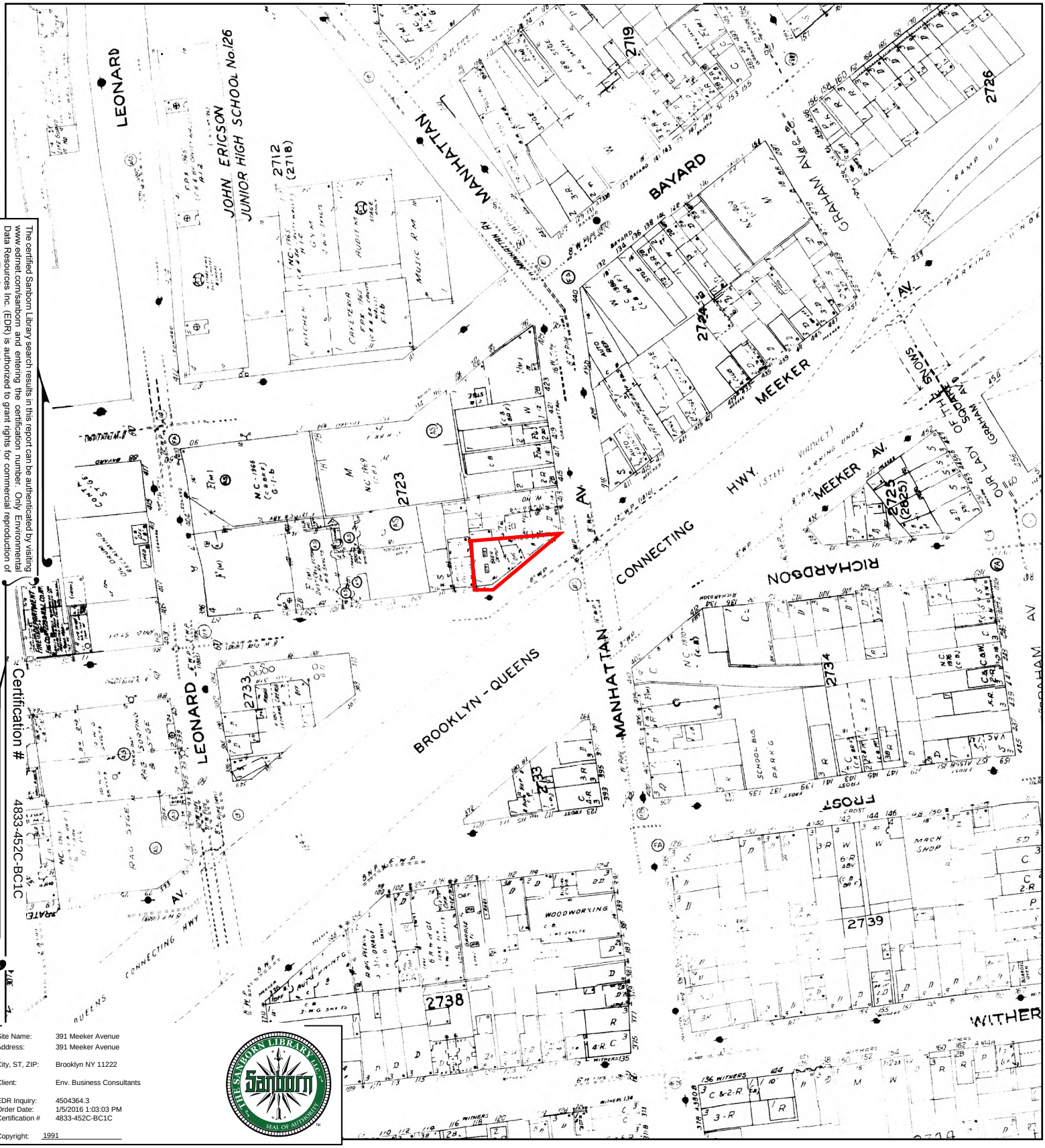
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1991 Certified Sanborn Map



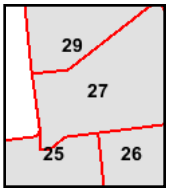
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1991

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

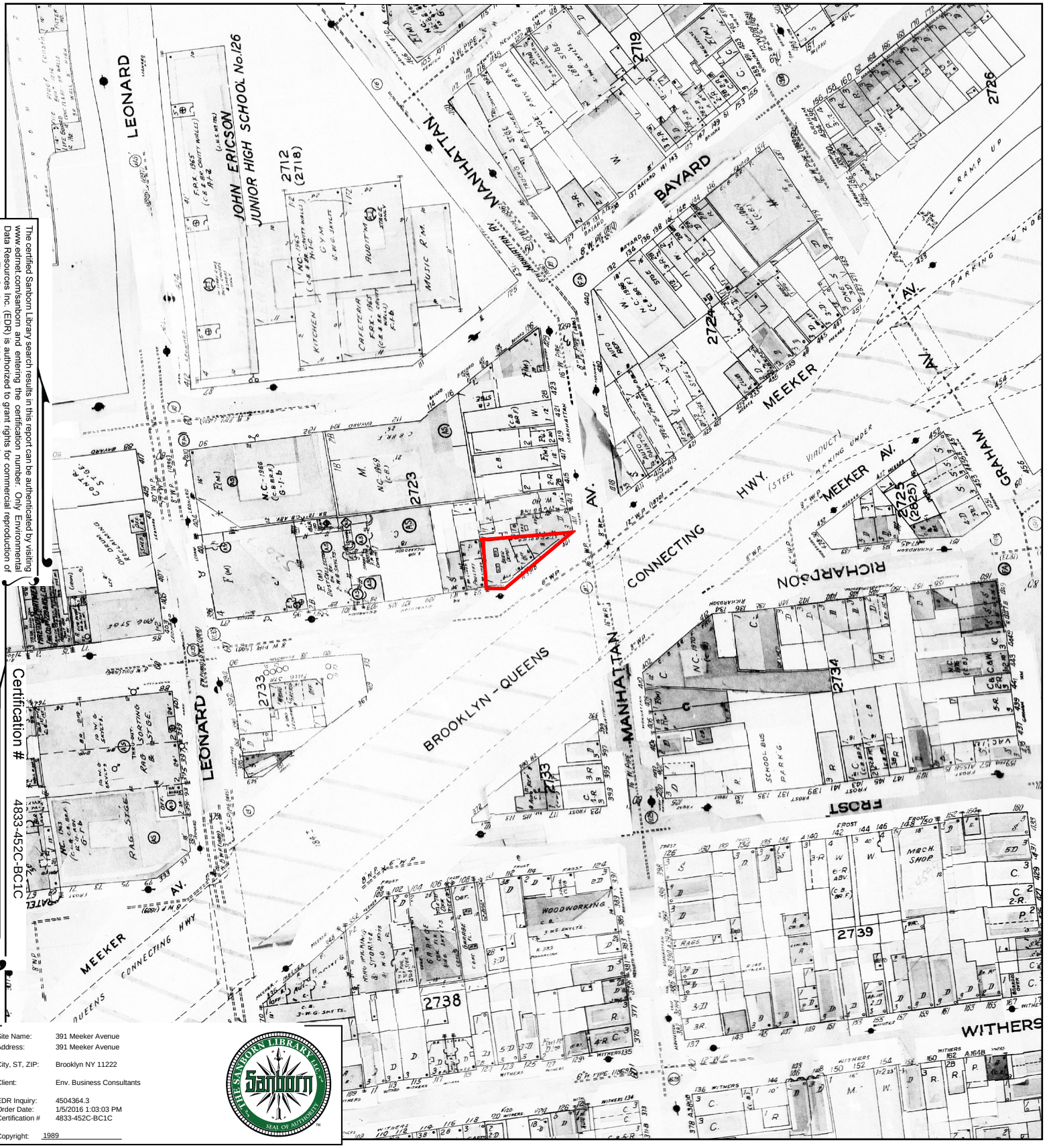
0 Feet 150 300 600



Volume 4, Sheet 29
Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27

N

1989 Certified Sanborn Map



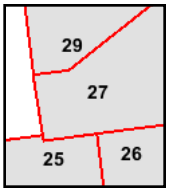
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1989

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

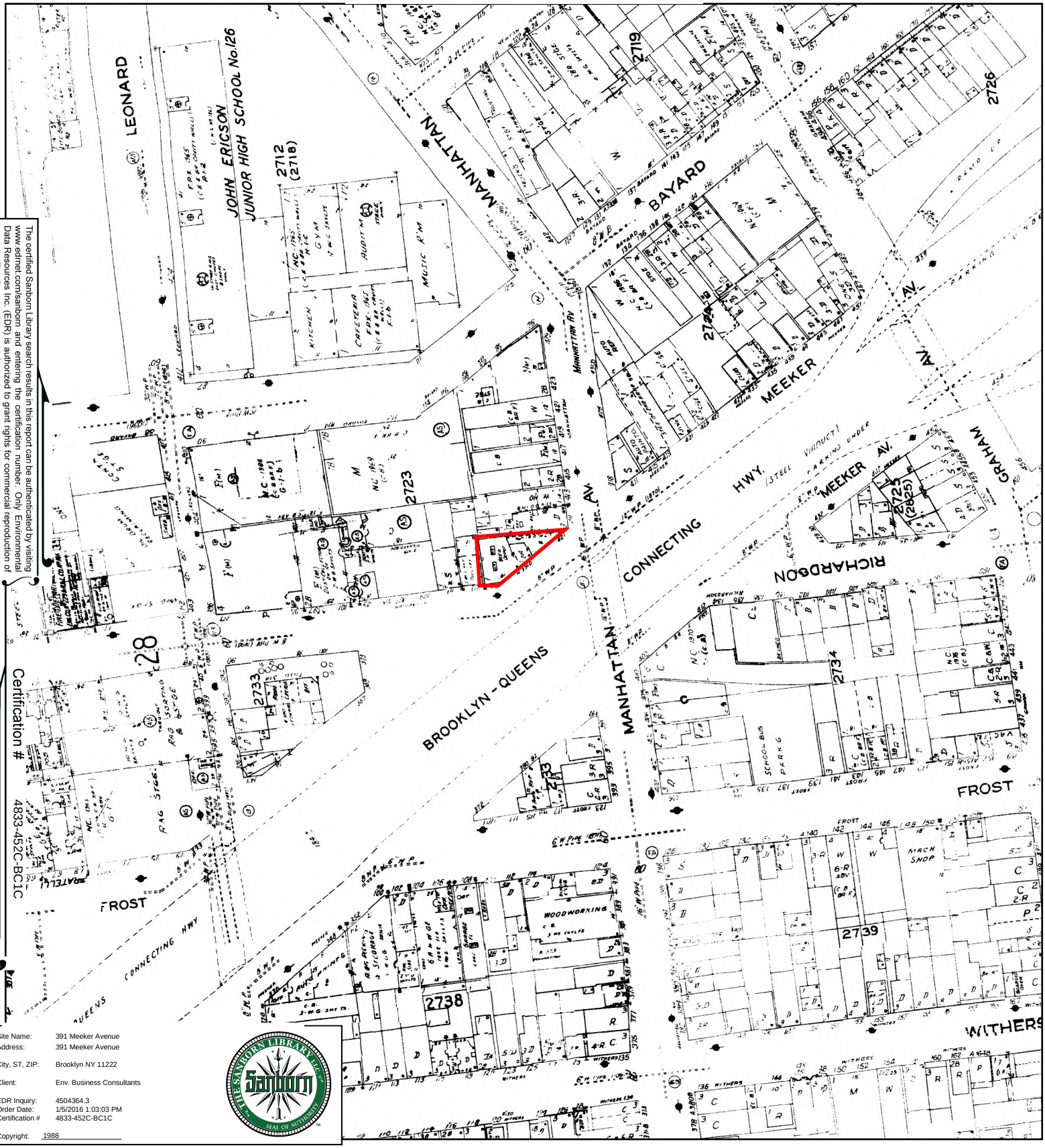
0 Feet 150 300 600



Volume 4, Sheet 29
Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27

N

1988 Certified Sanborn Map



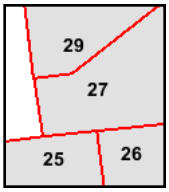
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1988

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

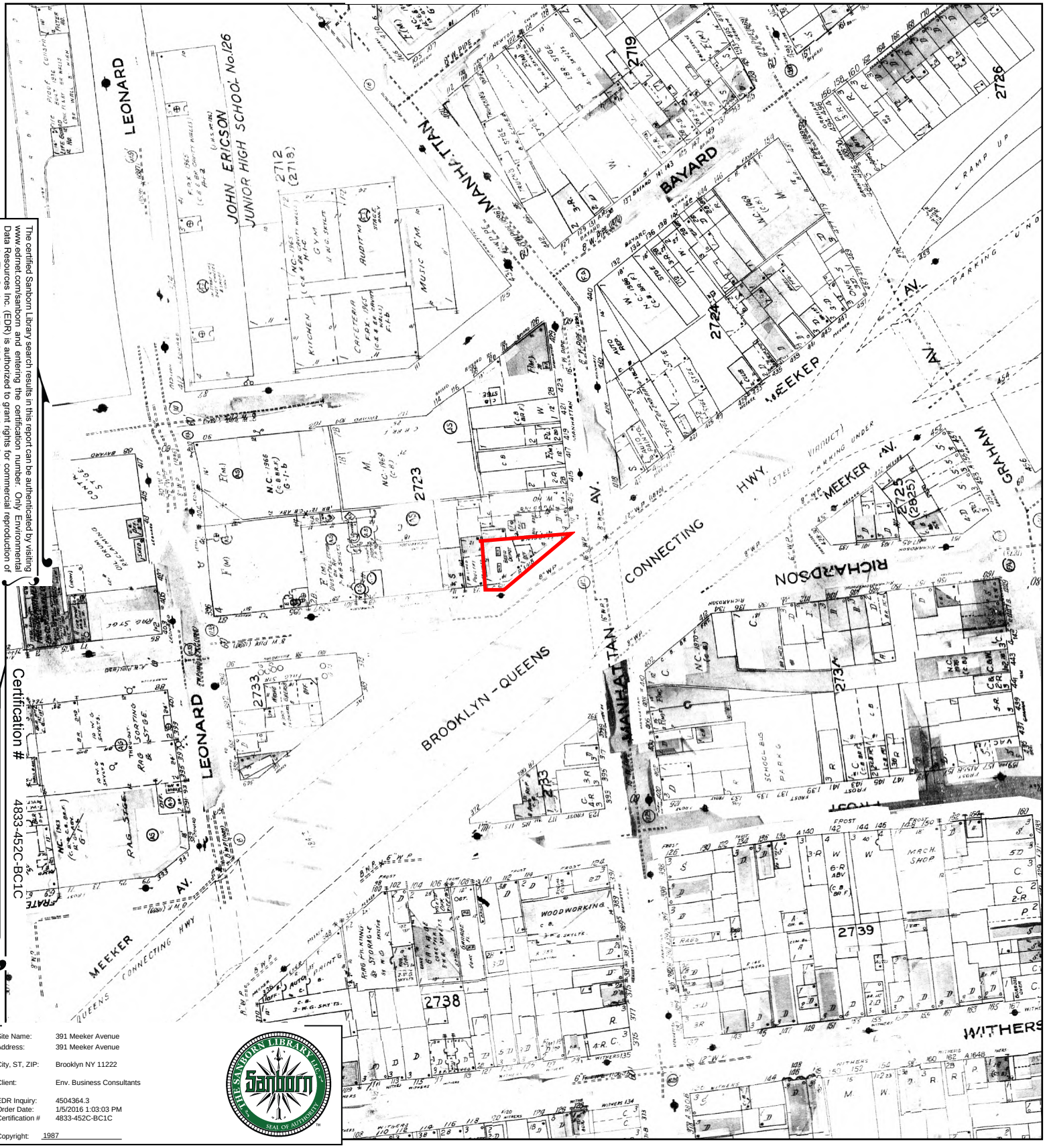
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1987 Certified Sanborn Map



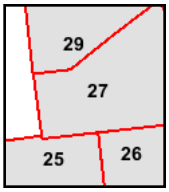
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1987

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 4, Sheet 29
Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27

N

1986 Certified Sanborn Map

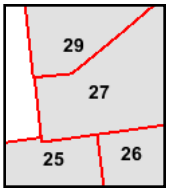
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1986

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

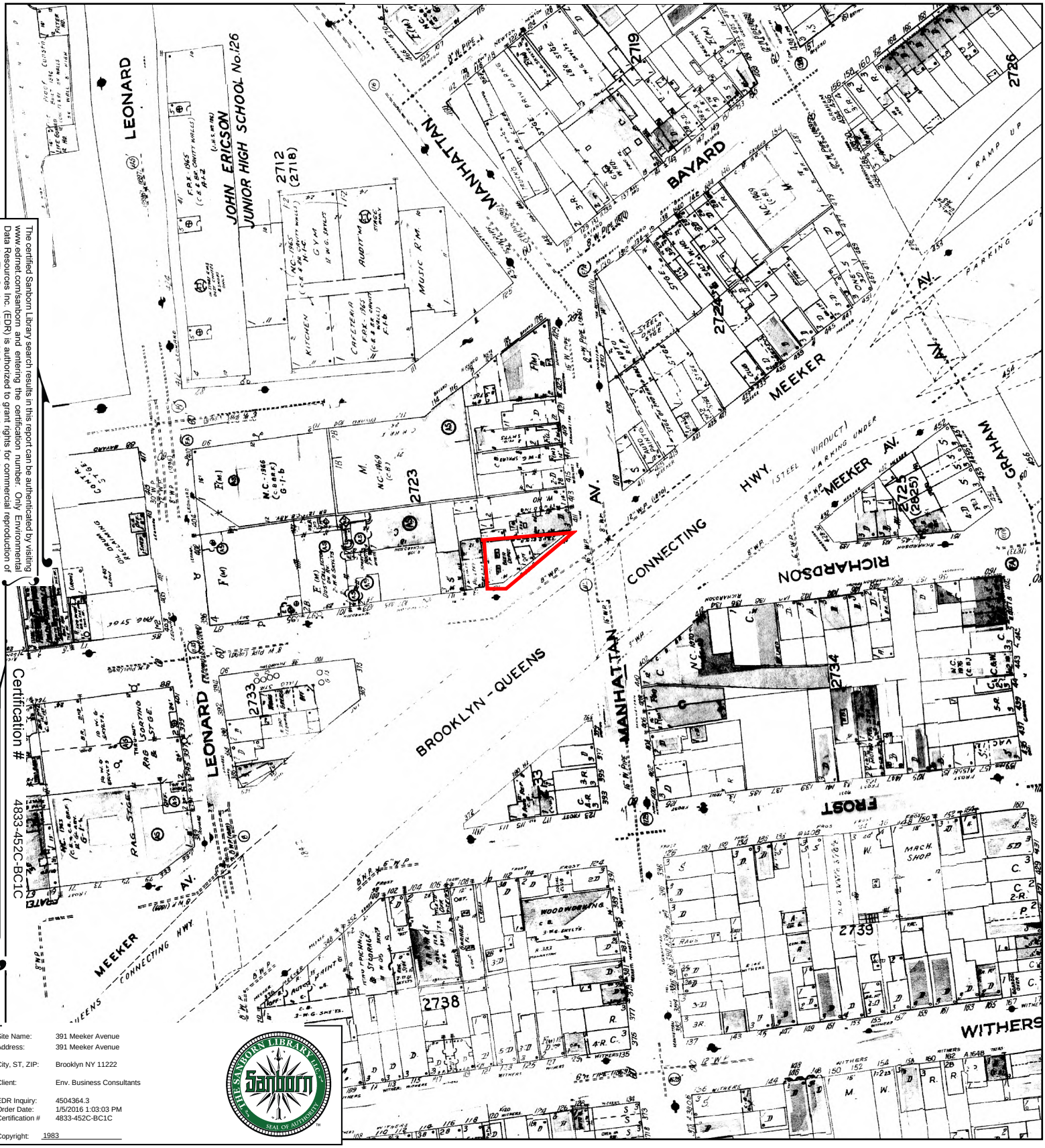
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1983 Certified Sanborn Map



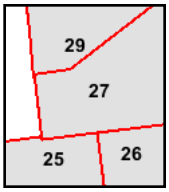
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1983

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

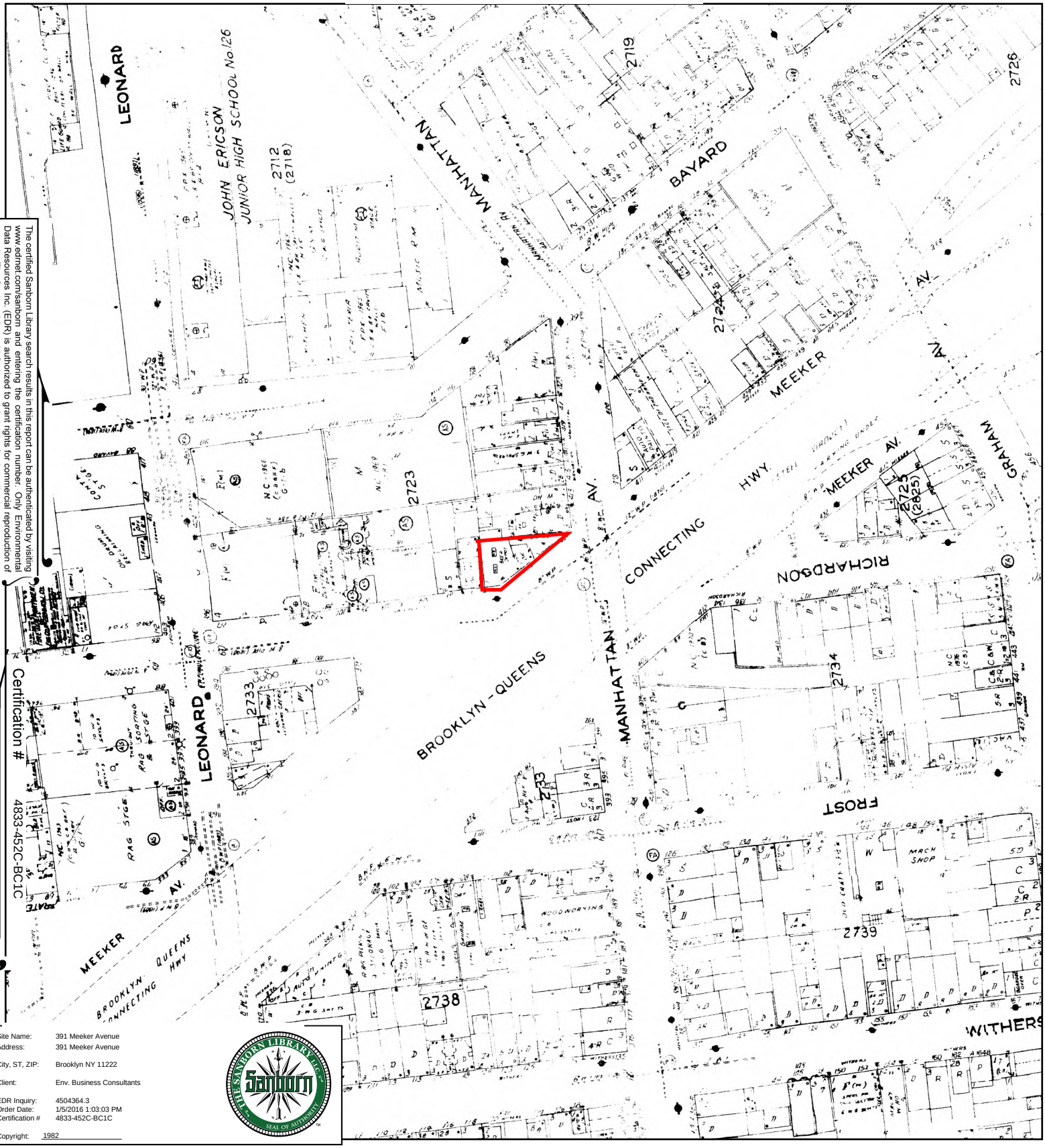
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1982 Certified Sanborn Map



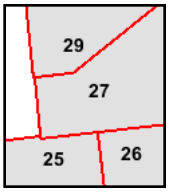
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1982

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

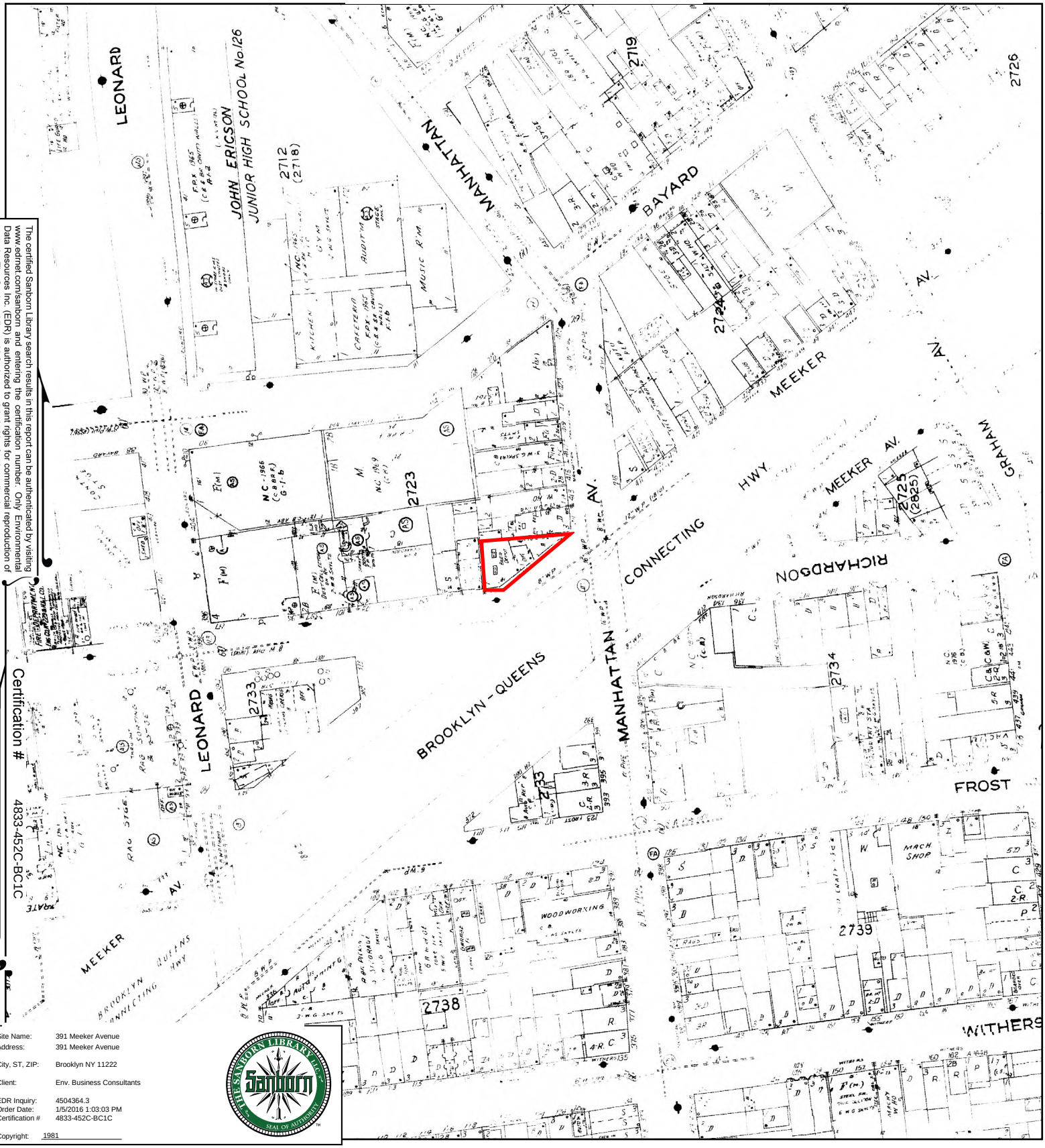
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1981 Certified Sanborn Map



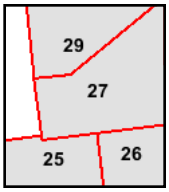
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1981

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

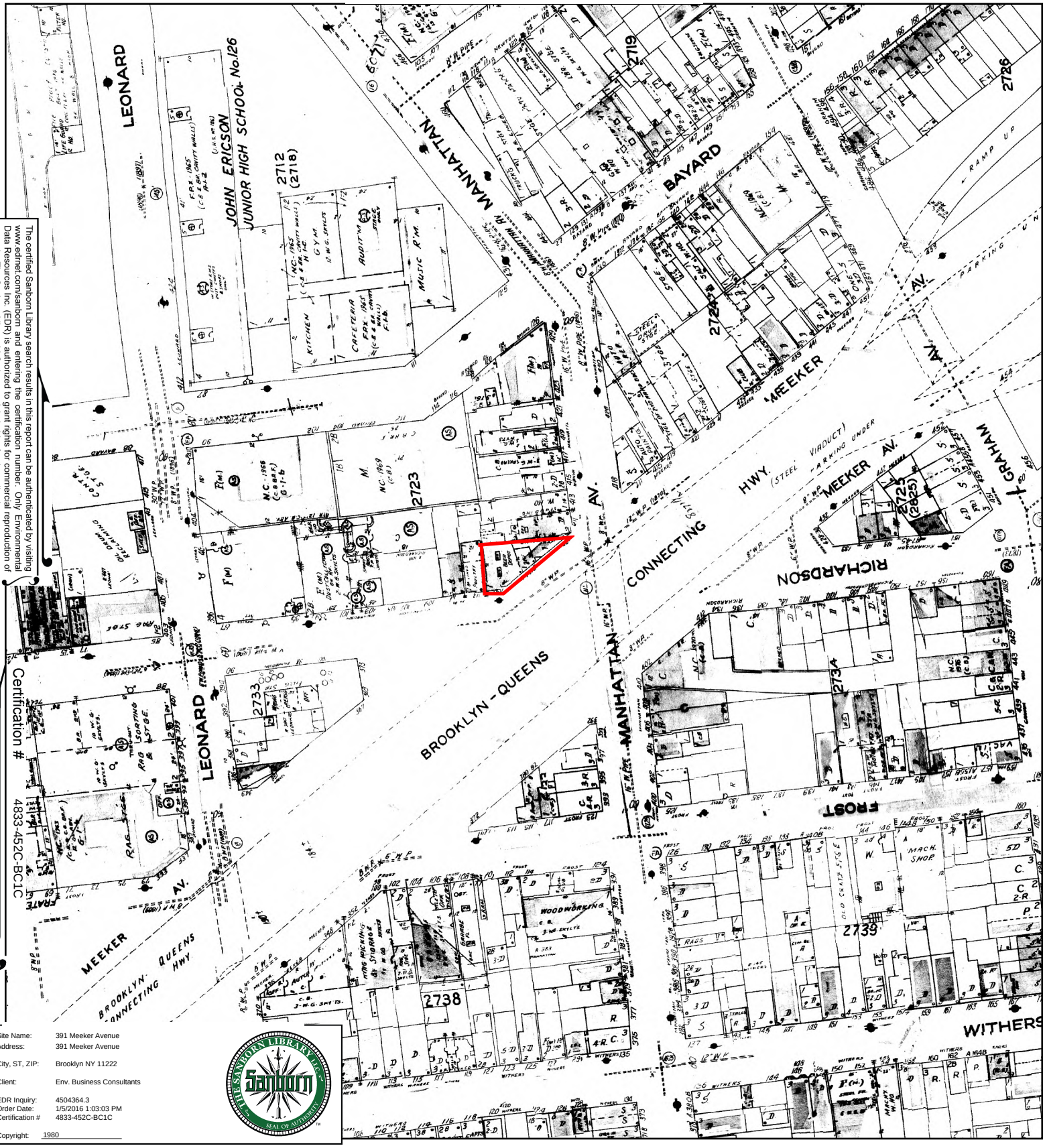
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1980 Certified Sanborn Map



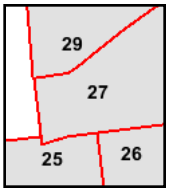
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1980

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

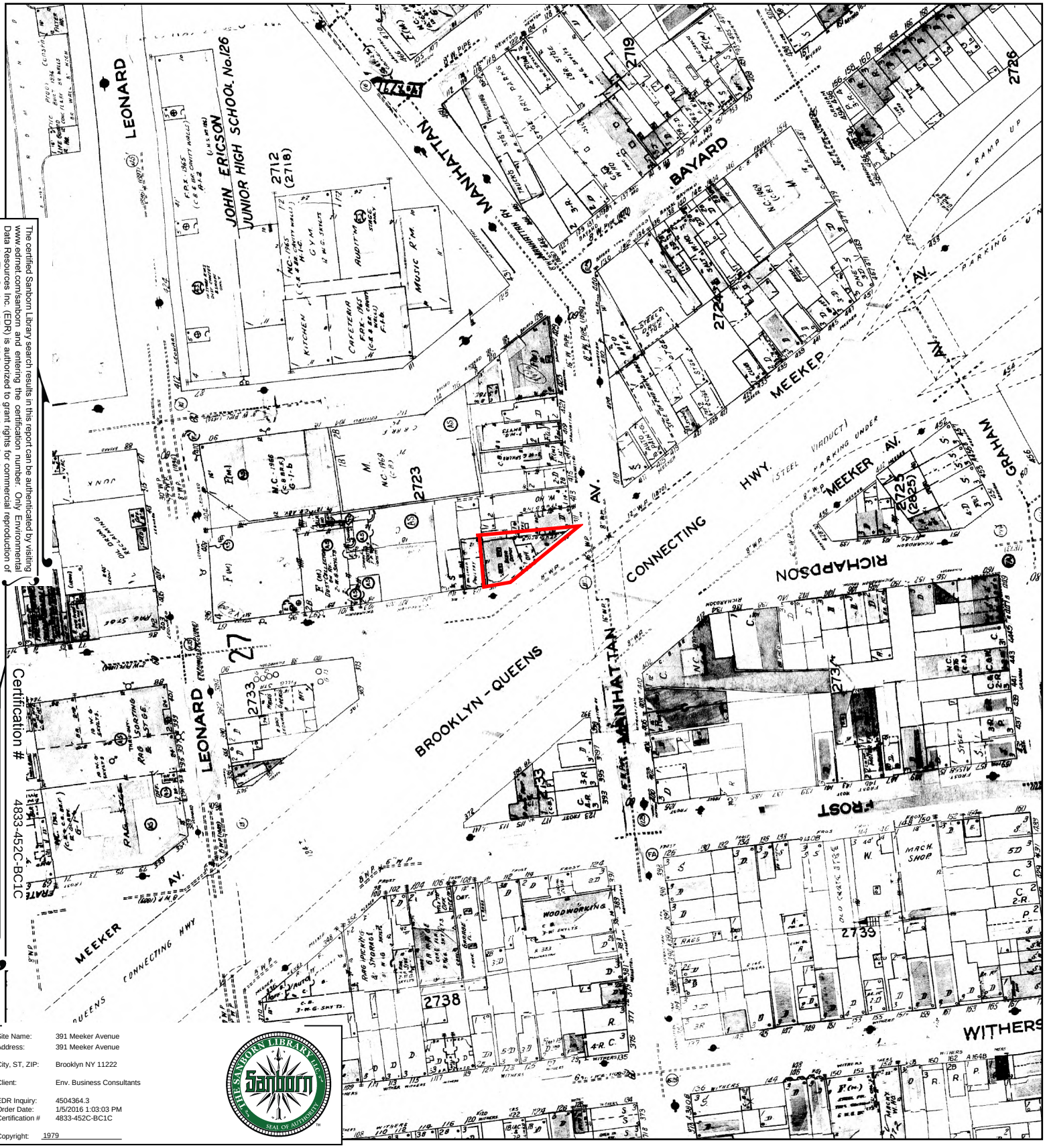
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1979 Certified Sanborn Map



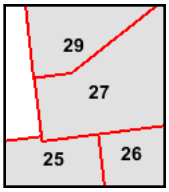
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1979

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

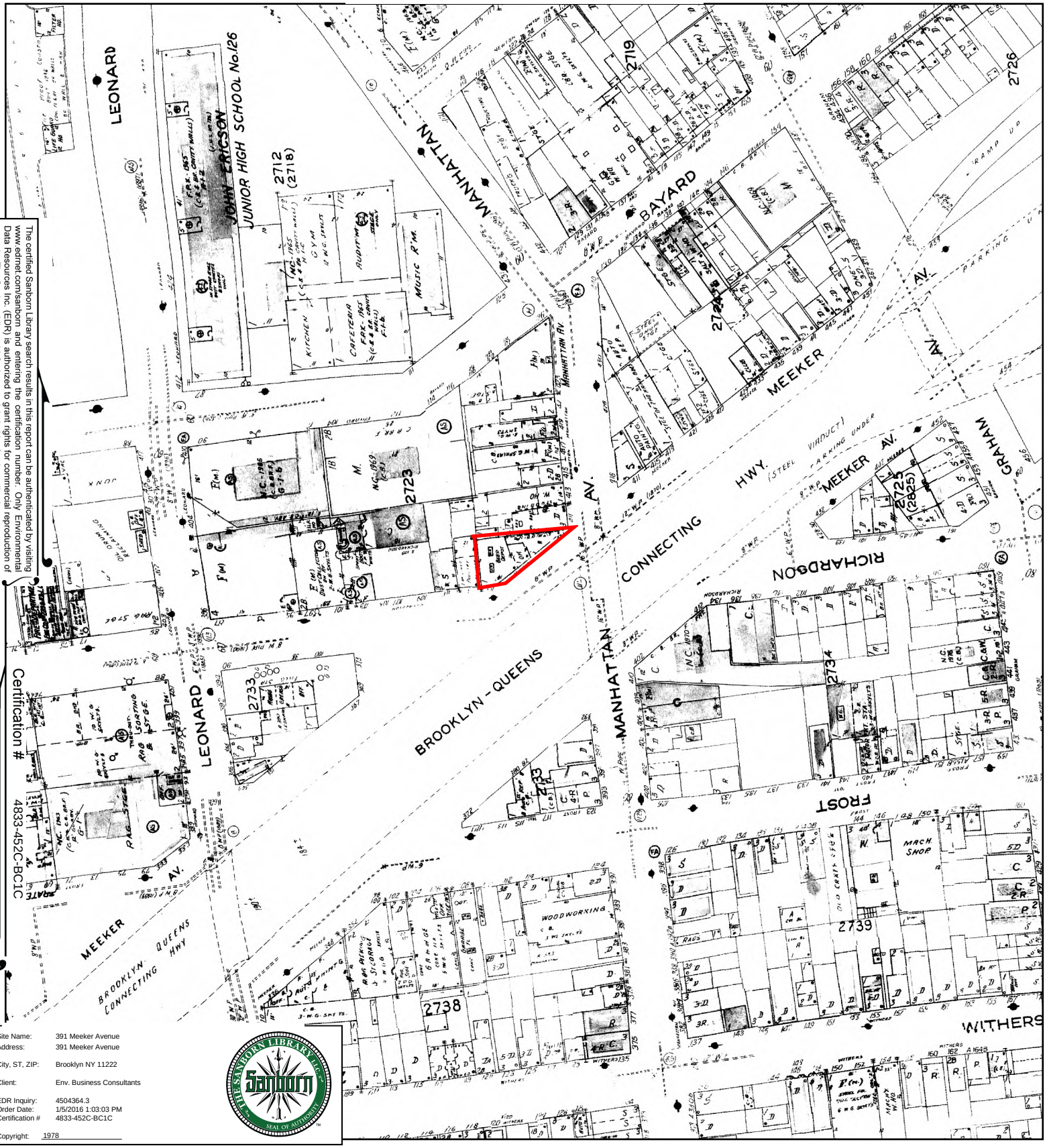
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1978 Certified Sanborn Map



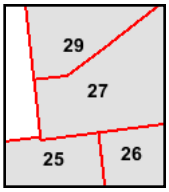
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1978

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

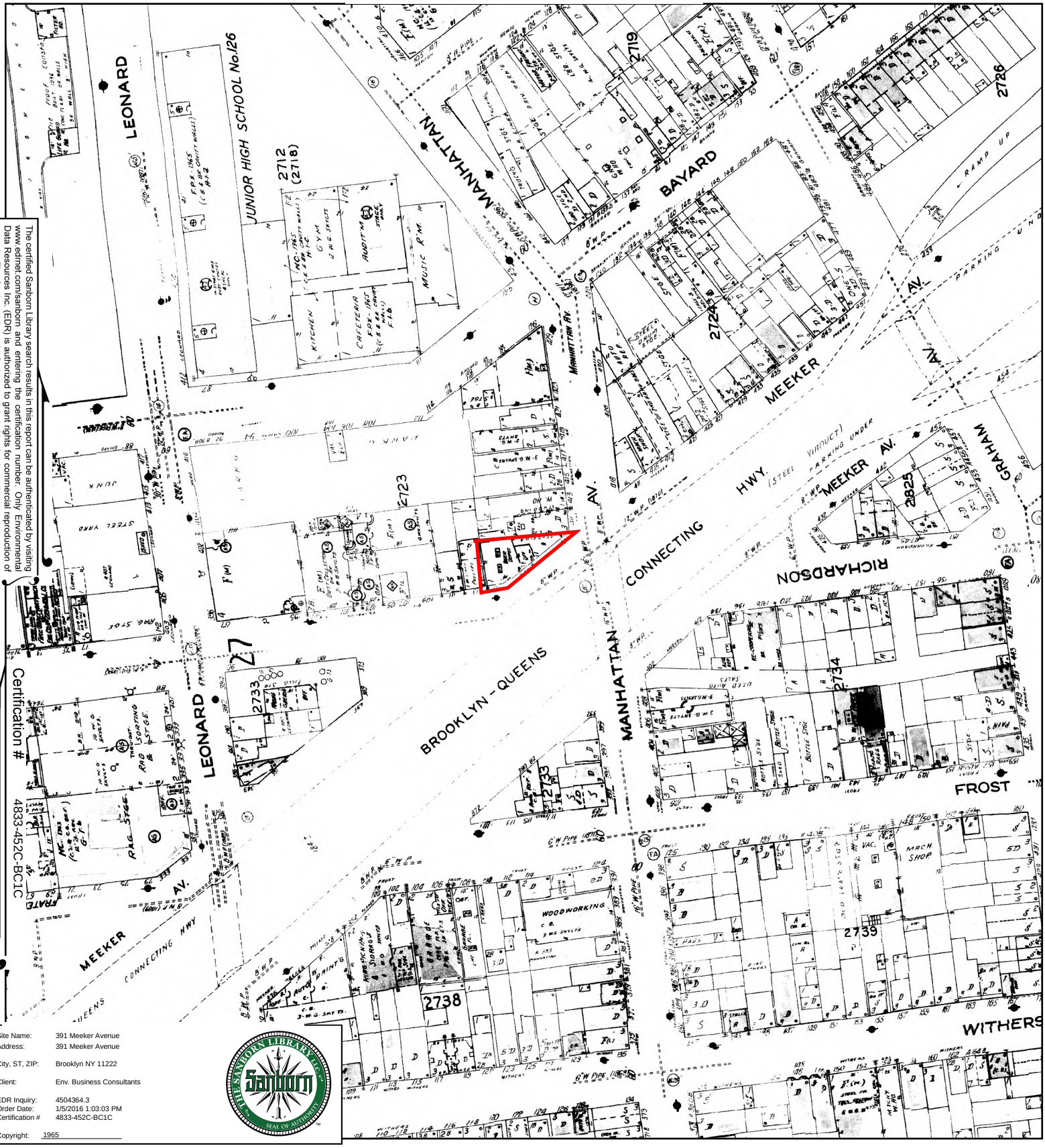
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1965 Certified Sanborn Map



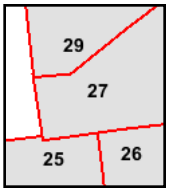
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1965

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

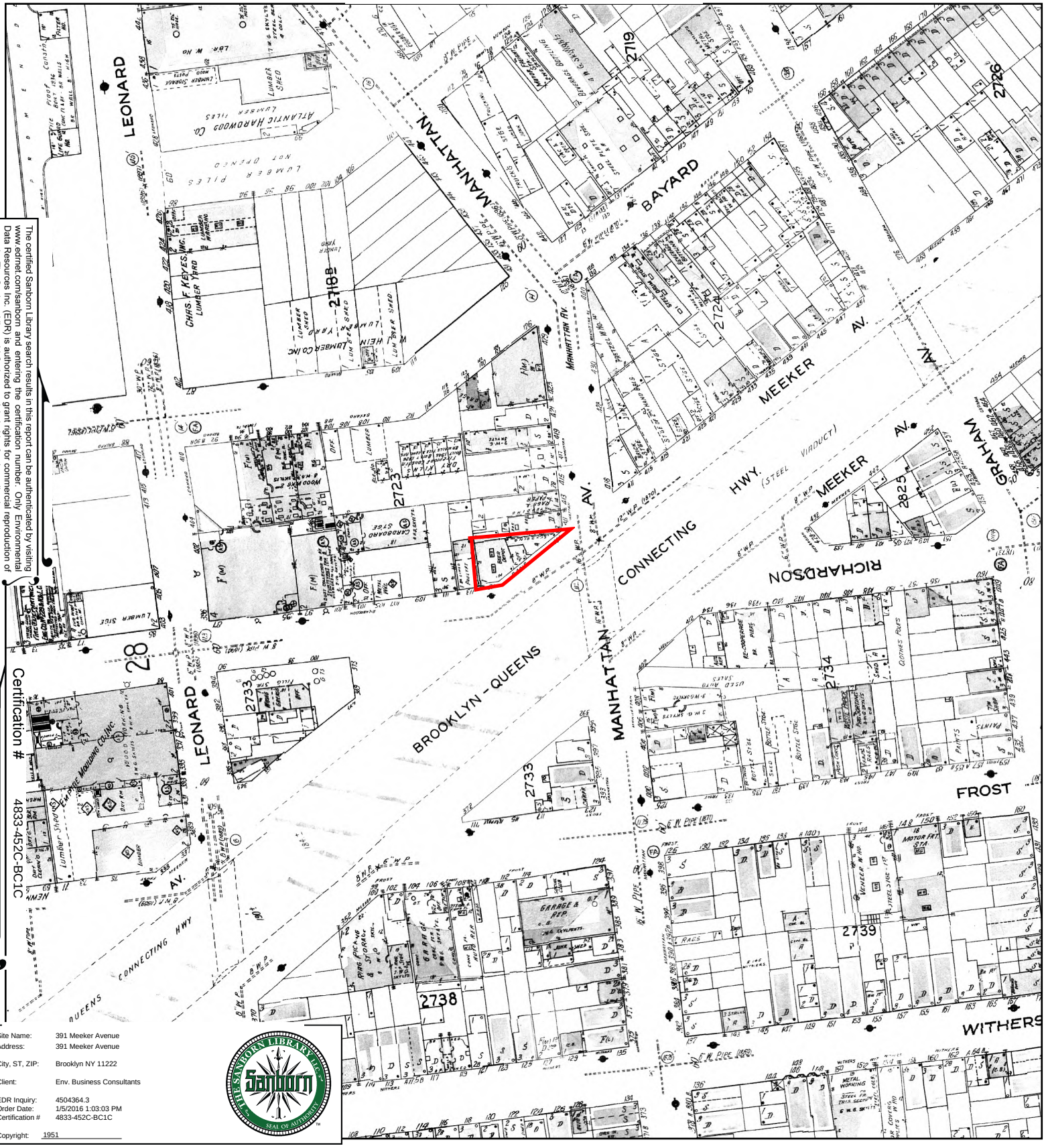
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1951 Certified Sanborn Map



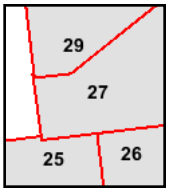
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1951

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

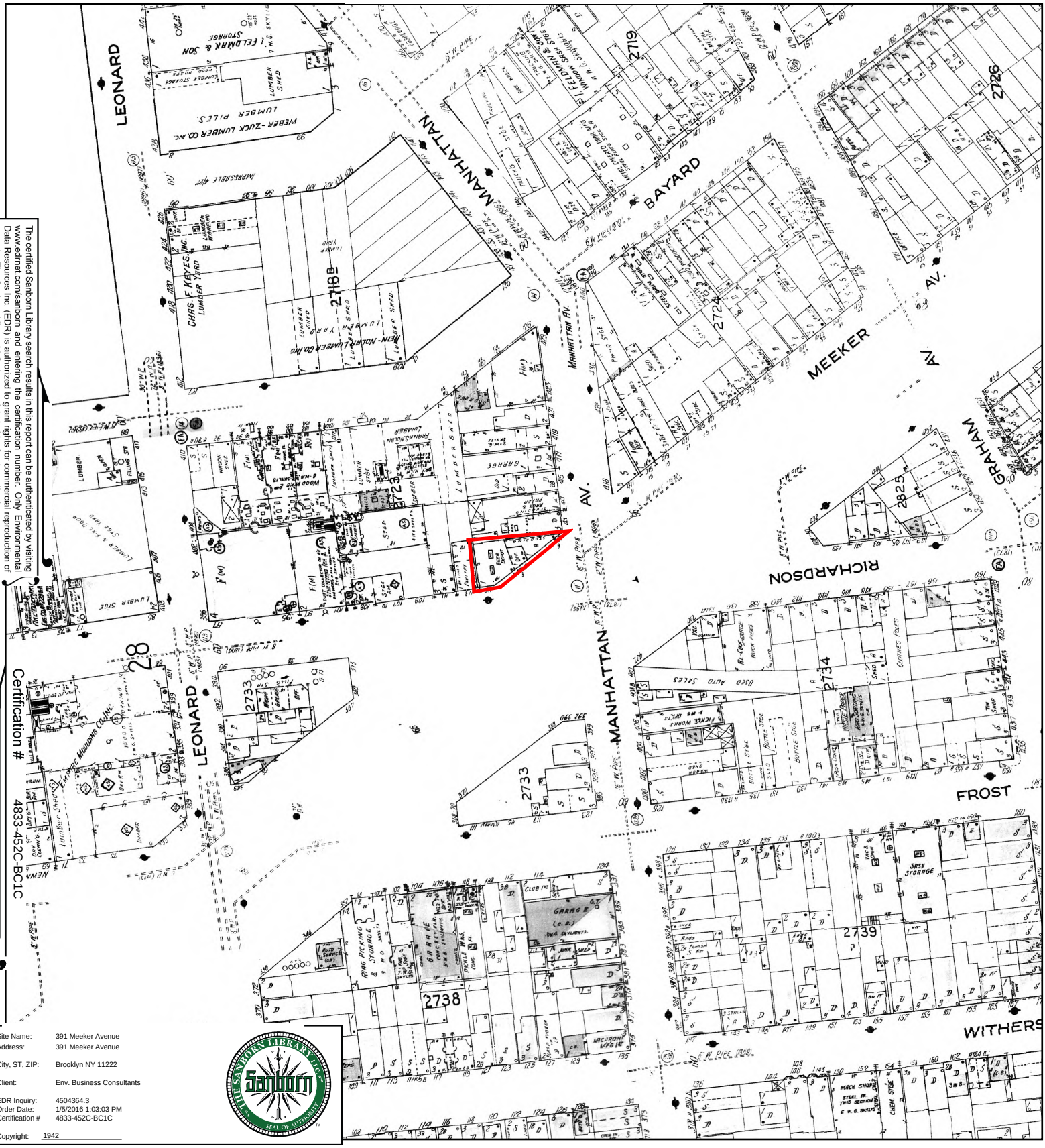
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1942 Certified Sanborn Map



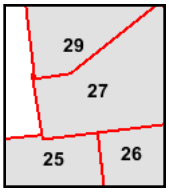
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1942

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

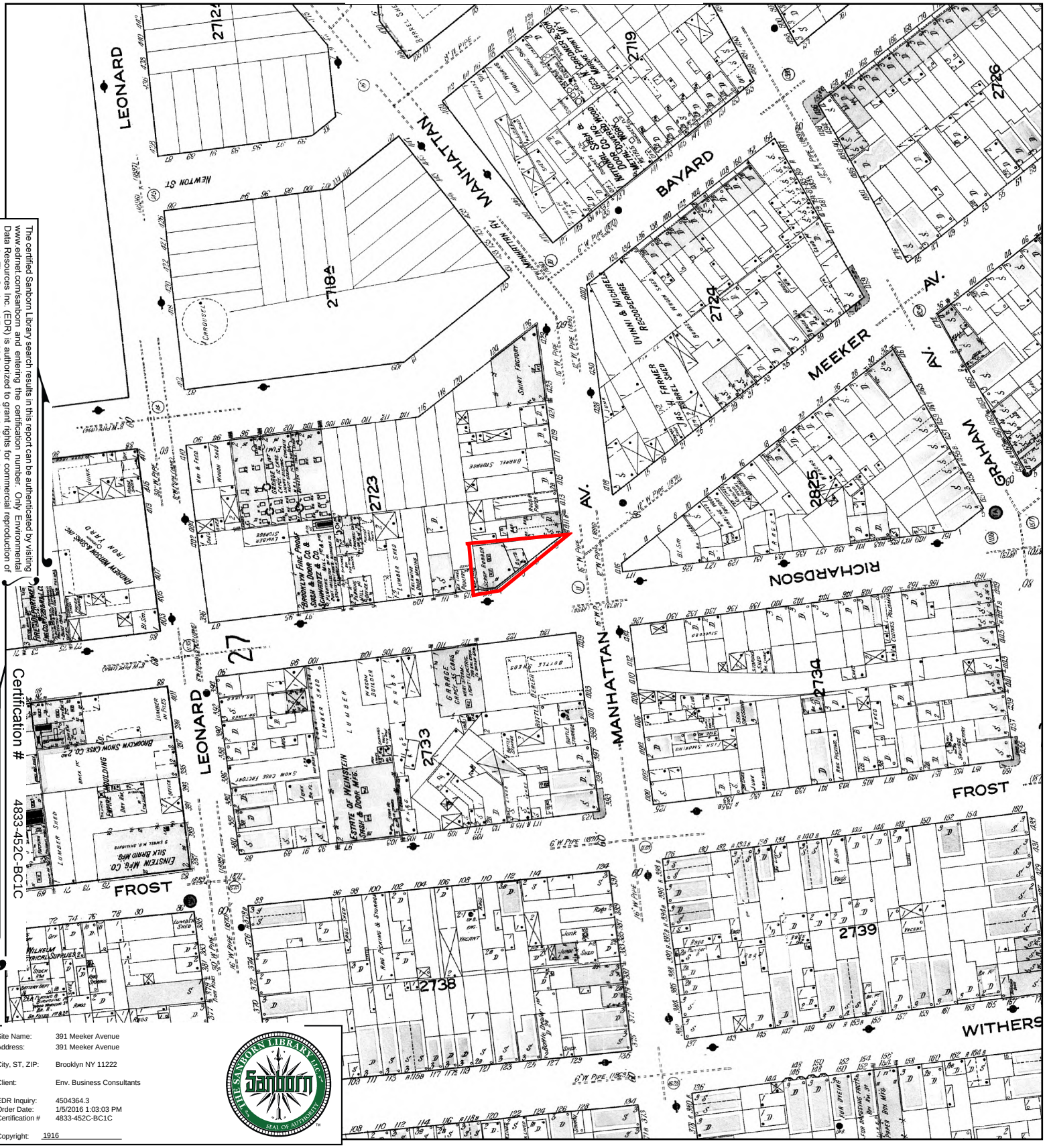
0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1916 Certified Sanborn Map



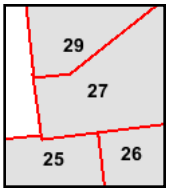
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1916

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1905 Certified Sanborn Map

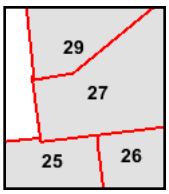
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1905

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 4, Sheet 25
Volume 4, Sheet 26
Volume 4, Sheet 27
Volume 4, Sheet 29

N

1887 Certified Sanborn Map

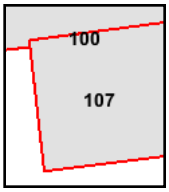
The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 4833-452C-BC1C

Site Name:	391 Meeker Avenue
Address:	391 Meeker Avenue
City, ST, ZIP:	Brooklyn NY 11222
Client:	Env. Business Consultants
EDR Inquiry:	4504364.3
Order Date:	1/5/2016 1:03:03 PM
Certification #	4833-452C-BC1C
Copyright:	1887

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 4, Sheet 100
Volume 4, Sheet 107

N

AERIAL PHOTOGRAPHS

1808 Middle Country Road
Ridge, NY 11961
Phone 631.924.0870
Fax 631.924.2870

391 Meeker Avenue

391 Meeker Avenue

Brooklyn, NY 11222

Inquiry Number: 4504364.9

January 05, 2016

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

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 OF 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 or forecast 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.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Date EDR Searched Historical Sources:

Aerial Photography January 05, 2016

Target Property:

391 Meeker Avenue

Brooklyn, NY 11222

Year	***Scale***	***Details***	***Source***
1924	Aerial Photograph. Scale: 1"=500'	Flight Date: July 01, 1924	EDR
1941	Aerial Photograph. Scale: 1"=500'	Flight Date: January 01, 1941	FirstSearch
1951	Aerial Photograph. Scale: 1"=500'	Flight Date: April 21, 1951	EDR Proprietary Aerial Viewpoint
1954	Aerial Photograph. Scale: 1"=500'	Flight Date: January 04, 1954	USGS
1961	Aerial Photograph. Scale: 1"=500'	Flight Date: April 12, 1961	EDR Proprietary Aerial Viewpoint
1966	Aerial Photograph. Scale: 1"=500'	Flight Date: February 23, 1966	USGS
1966	Aerial Photograph. Scale: 1"=500'	Flight Date: February 23, 1966	USGS
1966	Aerial Photograph. Scale: 1"=500'	Flight Date: February 23, 1966	USGS
1966	Aerial Photograph. Scale: 1"=500'	Flight Date: February 23, 1966	USGS
1974	Aerial Photograph. Scale: 1"=500'	Flight Date: October 19, 1974	USGS
1976	Aerial Photograph. Scale: 1"=750'	Flight Date: October 29, 1976	EDR
1980	Aerial Photograph. Scale: 1"=500'	Flight Date: July 25, 1980	USGS
1984	Aerial Photograph. Scale: 1"=500'	Flight Date: March 26, 1984	USGS
1991	Aerial Photograph. Scale: 1"=500'	Flight Date: March 09, 1991	USGS
1994	Aerial Photograph. Scale: 1"=500'	DOQQ - acquisition dates: April 04, 1994	USGS/DOQQ
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2011	Aerial Photograph. Scale: 1"=500'	Flight Year: 2011	USDA/NAIP

INQUIRY #: 4504364.9

YEAR: 1924

= 500'

N

INQUIRY #: 4504364.9
YEAR: 1941
= 500'
N
EDR

INQUIRY #: 4504364.9
YEAR: 1951
= 500'
N
EDR

INQUIRY #: 4504364.9
YEAR: 1954
= 500'
N
EDR

INQUIRY #: 4504364.9
YEAR: 1961
= 500'
N
EDR

INQUIRY #: 4504364.9
YEAR: 1966
= 500'
N
EDR

INQUIRY #: 4504364.9
YEAR: 1966
= 500'
N
EDR

INQUIRY #: 4504364.9
YEAR: 1966
= 500'
N
EDR

INQUIRY #: 4504364.9
YEAR: 1966
= 500'
N
EDR

INQUIRY #: 4504364.9
YEAR: 1974
= 500'
N
EDR

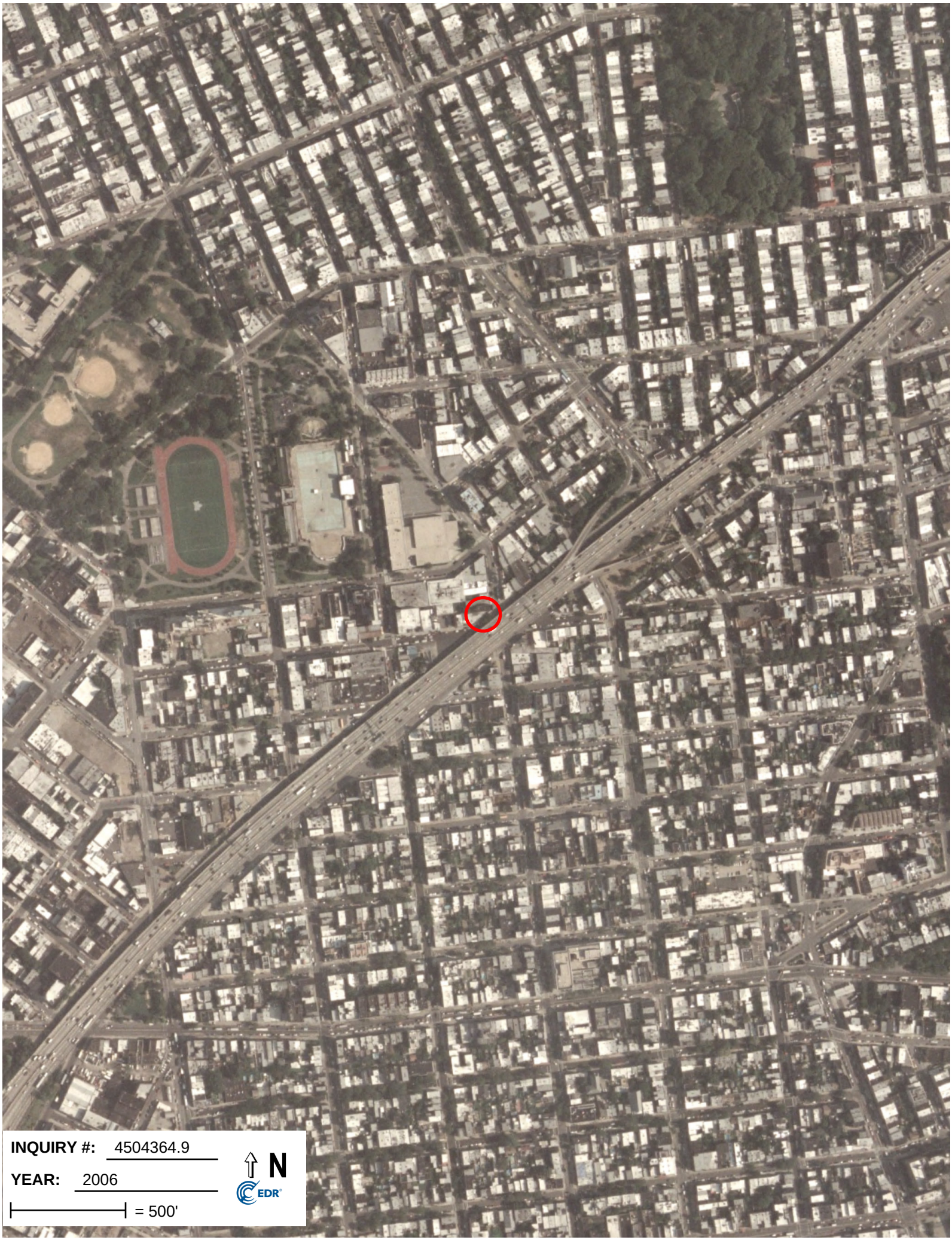
INQUIRY #: 4504364.9
YEAR: 1976
= 750'
N
EDR

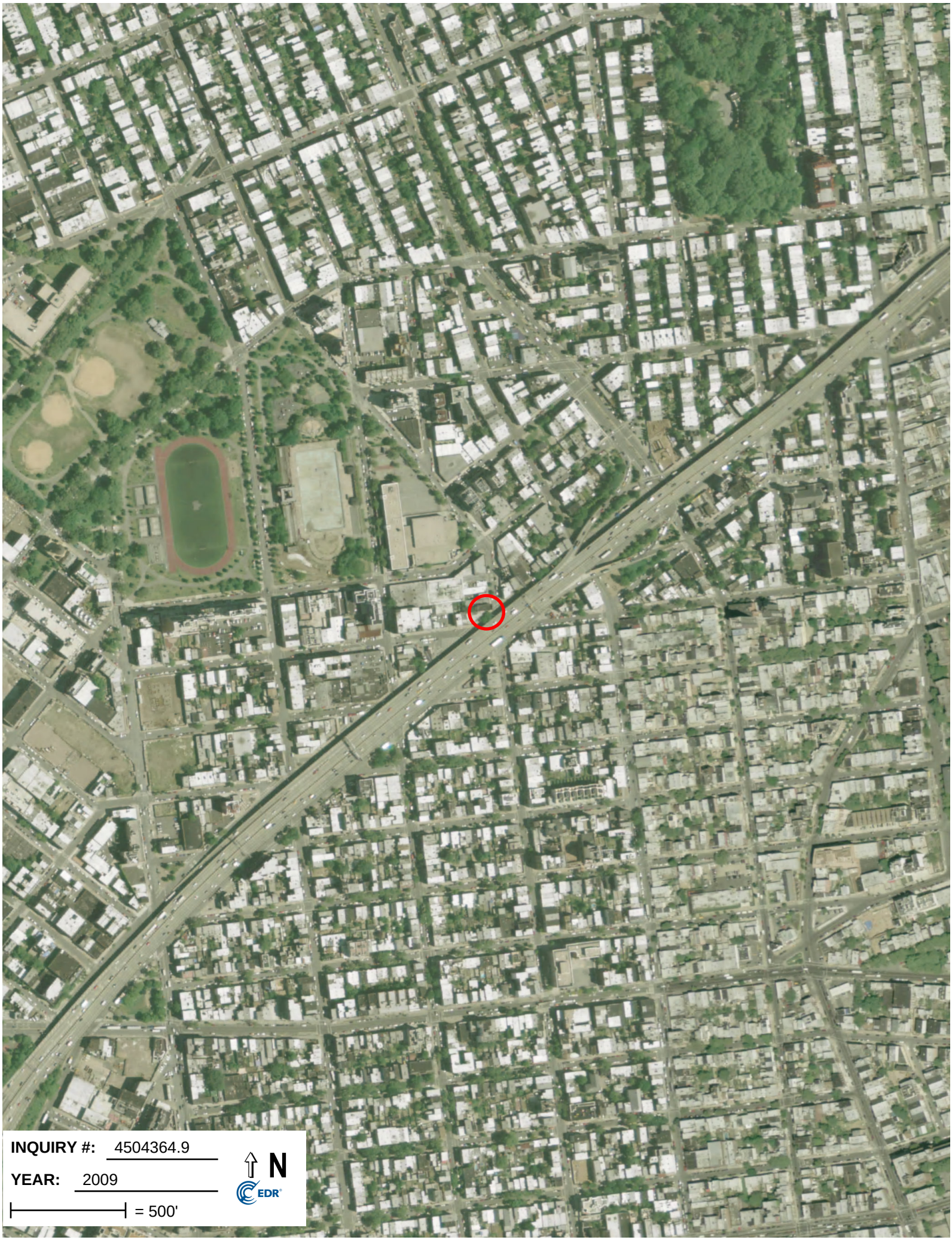
INQUIRY #: 4504364.9
YEAR: 1980
= 500'
N
EDR

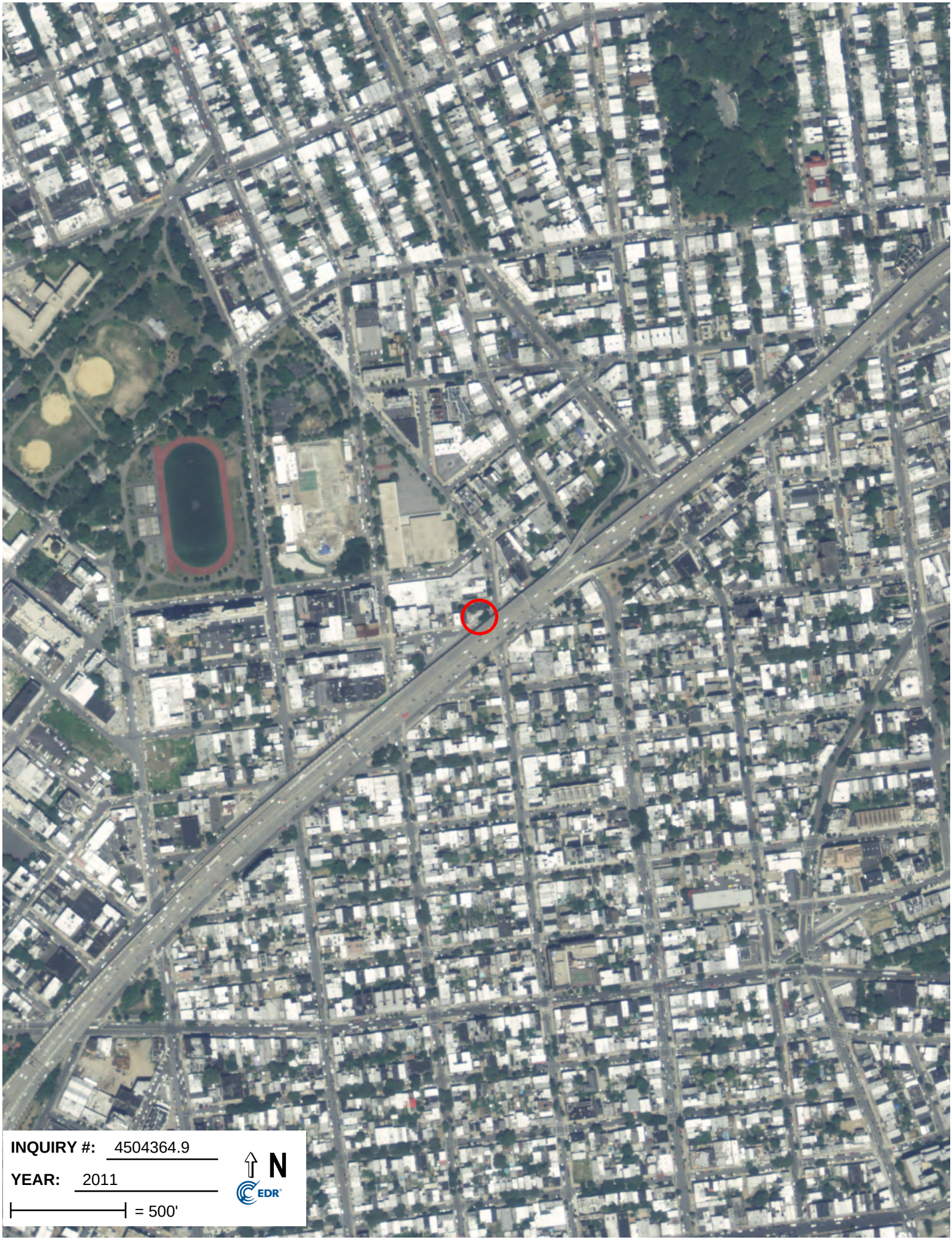
INQUIRY #: 4504364.9
YEAR: 1984
= 500'
N
EDR

INQUIRY #: 4504364.9
YEAR: 1991
= 500'
N
EDR

INQUIRY #: 4504364.9
YEAR: 1994
= 500'
N
EDR


INQUIRY #: 4504364.9
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 4504364.9
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 4504364.9
YEAR: 2011
= 500'
N
EDR

HISTORICAL TOPOGRAPHIC MAPS

1808 Middle Country Road
Ridge, NY 11961
Phone 631.924.0870
Fax 631.924.2870

391 Meeker Avenue

391 Meeker Avenue

Brooklyn, NY 11222

Inquiry Number: 4504364.4

January 05, 2016

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

01/05/16

Site Name:	Client Name:
391 Meeker Avenue	Env. Business Consultants
391 Meeker Avenue	1808 Middle Country Road
Brooklyn, NY 11222	Ridge, NY 11961
EDR Inquiry # 4504364.4	Contact: Rob Bennett

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Env. Business Consultants were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
Site Name:	391 Meeker Avenue	**Latitude:**	40.7187 40° 43' 7" North
Address:	391 Meeker Avenue	**Longitude:**	-73.9471 -73° 56' 50" West
City,State,Zip:	Brooklyn, NY 11222	**UTM Zone:**	Zone 18 North
P.O.#	DFX1601	**UTM X Meters:**	588926.66
Project:	391 Meeker Avenue	**UTM Y Meters:**	4508063.91
		Elevation:	14.00' above sea level

Maps Provided:

2013	1897
1995	
1979	
1967	
1956	
1947	
1900	
1898	

Disclaimer - Copyright and Trademark Notice

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 OF 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 or forecast 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.

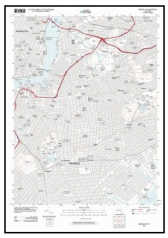
Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Topo Sheet Thumbnails

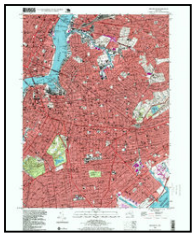
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets



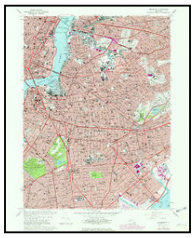
Brooklyn
2013
7.5-minute, 24000

1995 Source Sheets



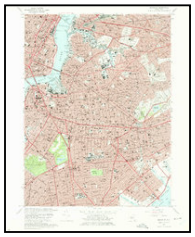
Brooklyn
1995
7.5-minute, 24000
Photo Inspected 1995
Aerial Photo Revised 1977

1979 Source Sheets



Brooklyn
1979
7.5-minute, 24000
Photo Revised 1979
Aerial Photo Revised 1977

1967 Source Sheets



Brooklyn
1967
7.5-minute, 24000
Aerial Photo Revised 1966
Edited 1966

Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1956 Source Sheets

Brooklyn
1956
7.5-minute, 24000

1947 Source Sheets

Brooklyn
1947
7.5-minute, 24000
Aerial Photo Revised 1940

1900 Source Sheets

Brooklyn
1900
15-minute, 62500

1898 Source Sheets

Brooklyn
1898
15-minute, 62500

Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1897 Source Sheets

Brooklyn
1897
15-minute, 62500

Historical Topo Map

2013

This report includes information from the following map sheet(s).

Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

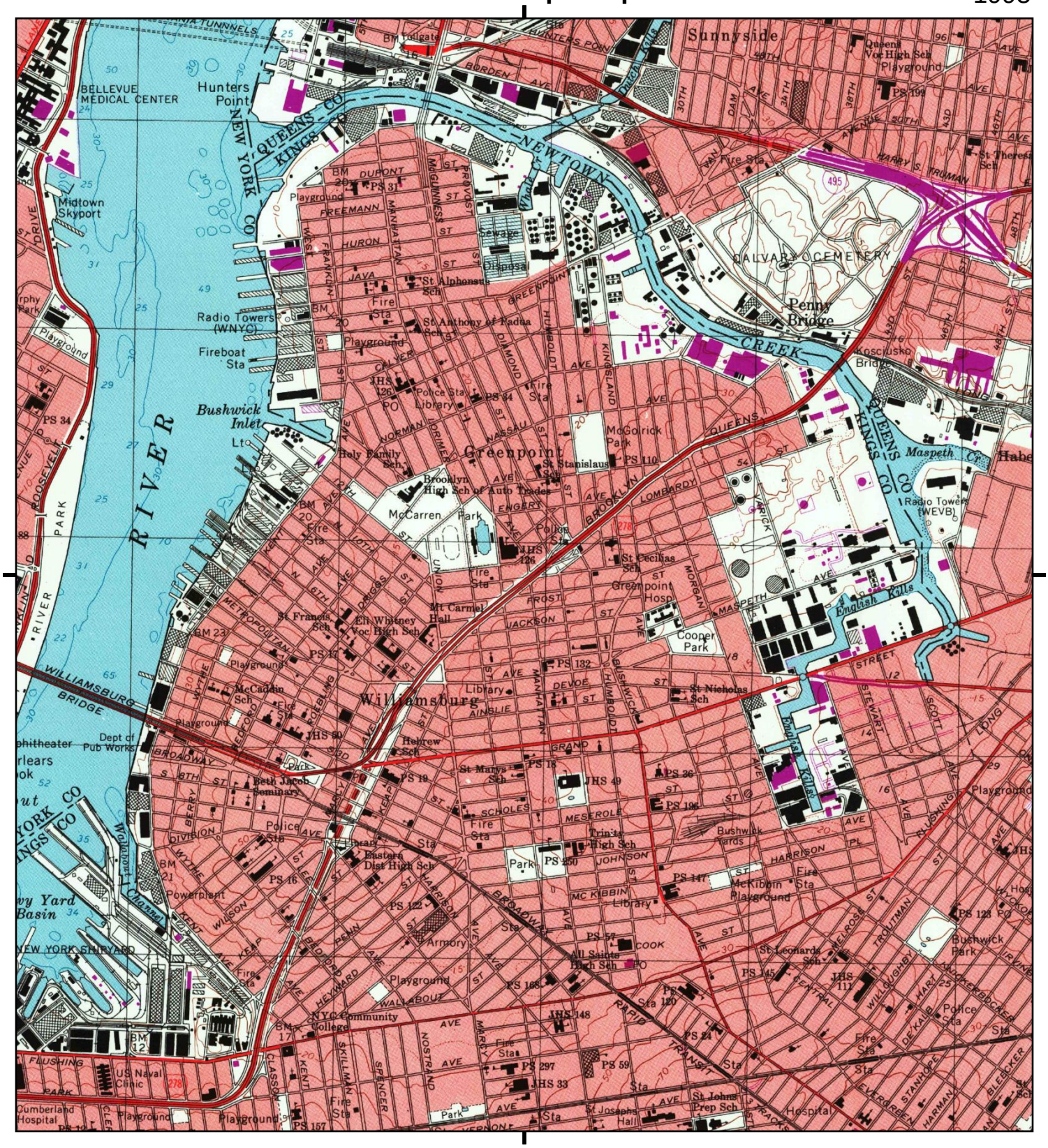
TP, Brooklyn, 2013, 7.5-minute

SITE NAME: 391 Meeker Avenue
ADDRESS: 391 Meeker Avenue
Brooklyn, NY 11222
CLIENT: Env. Business Consultants

N

Historical Topo Map

1995



This report includes information from the following map sheet(s).

Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

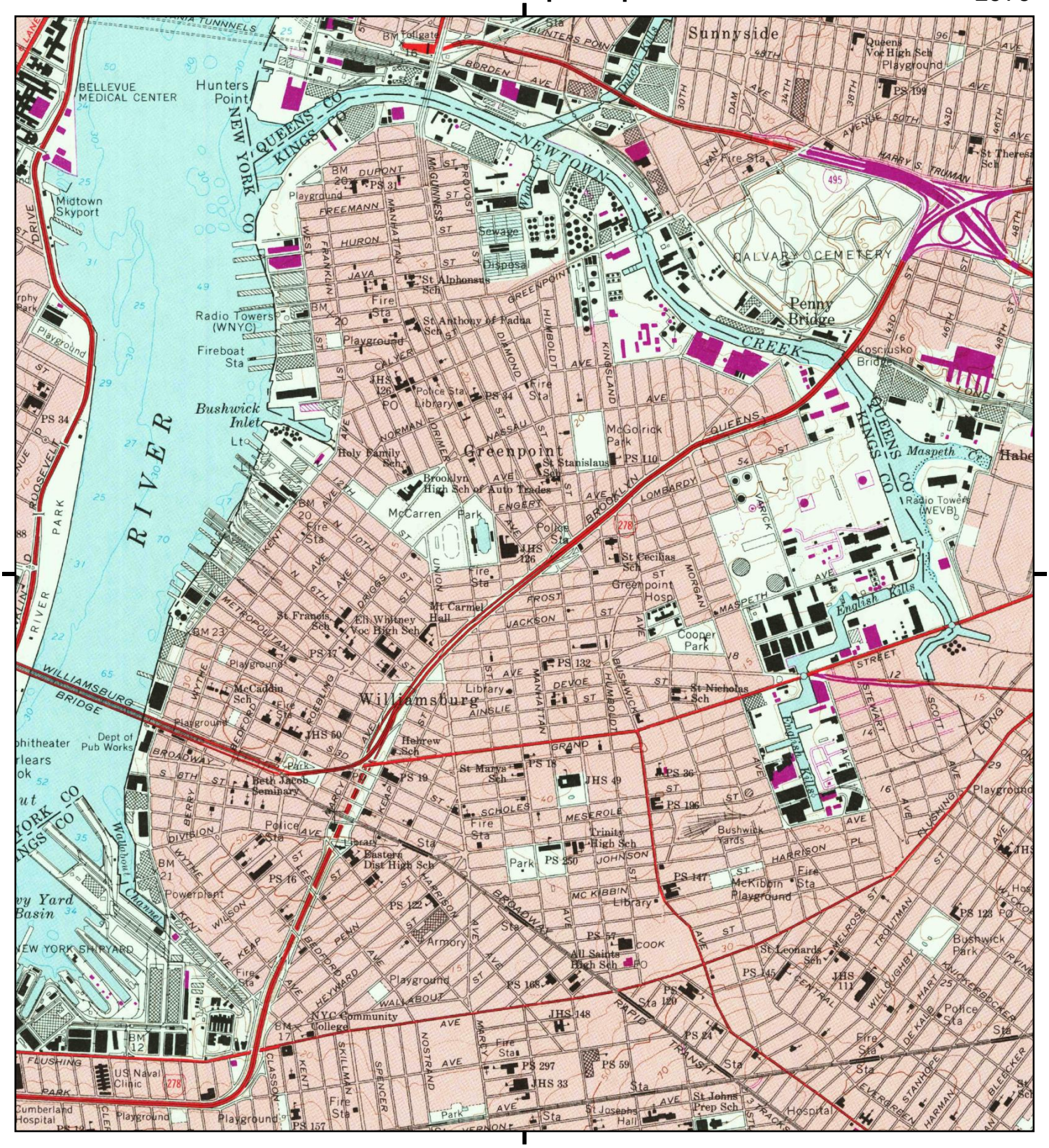
TP, Brooklyn, 1995, 7.5-minute

SITE NAME: 391 Meeker Avenue
ADDRESS: 391 Meeker Avenue
Brooklyn, NY 11222
CLIENT: Env. Business Consultants

N

Historical Topo Map

1979



This report includes information from the following map sheet(s).

Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 1979, 7.5-minute

SITE NAME: 391 Meeker Avenue
ADDRESS: 391 Meeker Avenue
Brooklyn, NY 11222
CLIENT: Env. Business Consultants

N

Historical Topo Map

1967

This report includes information from the following map sheet(s).

Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

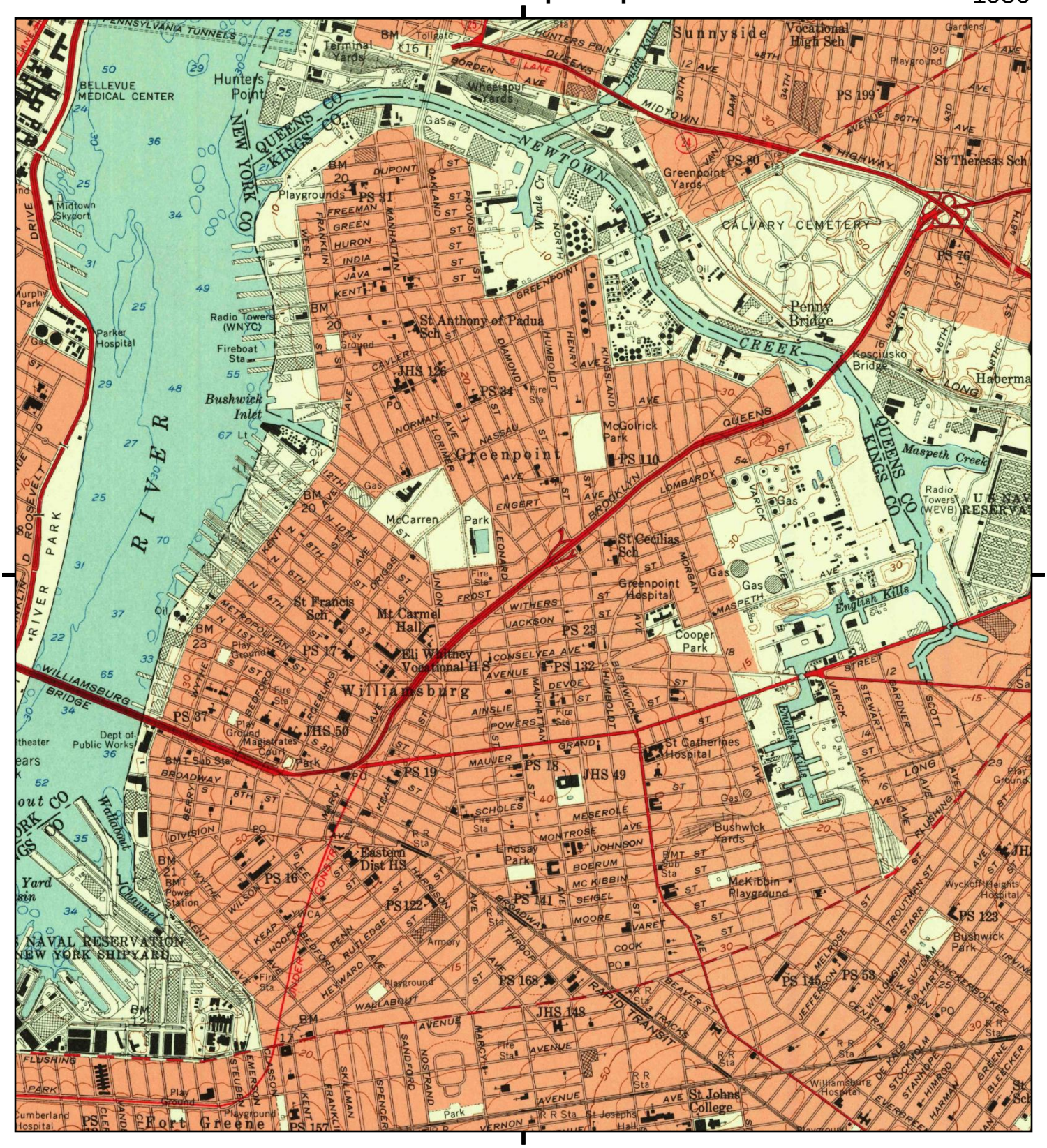
TP, Brooklyn, 1967, 7.5-minute

SITE NAME: 391 Meeker Avenue
ADDRESS: 391 Meeker Avenue
Brooklyn, NY 11222
CLIENT: Env. Business Consultants

N

Historical Topo Map

1956



This report includes information from the following map sheet(s).

Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

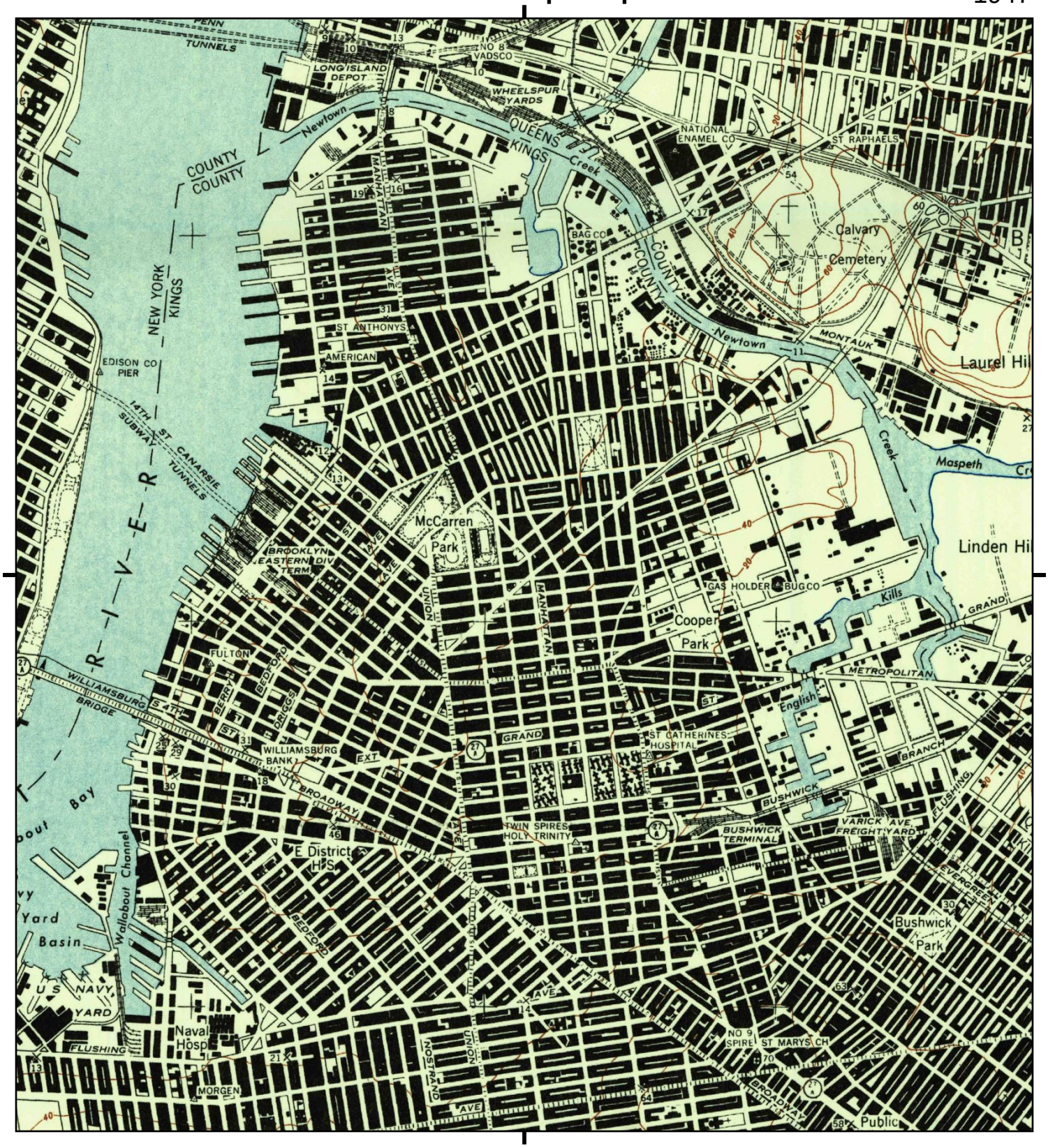
TP, Brooklyn, 1956, 7.5-minute

SITE NAME: 391 Meeker Avenue
ADDRESS: 391 Meeker Avenue
Brooklyn, NY 11222
CLIENT: Env. Business Consultants

N

Historical Topo Map

1947



This report includes information from the following map sheet(s).

Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 1947, 7.5-minute

SITE NAME: 391 Meeker Avenue
ADDRESS: 391 Meeker Avenue
Brooklyn, NY 11222
CLIENT: Env. Business Consultants

N

Historical Topo Map

1900

This report includes information from the following map sheet(s).

Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 1900, 15-minute

SITE NAME: 391 Meeker Avenue
ADDRESS: 391 Meeker Avenue
Brooklyn, NY 11222
CLIENT: Env. Business Consultants

N

Historical Topo Map

1898

This report includes information from the following map sheet(s).

Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

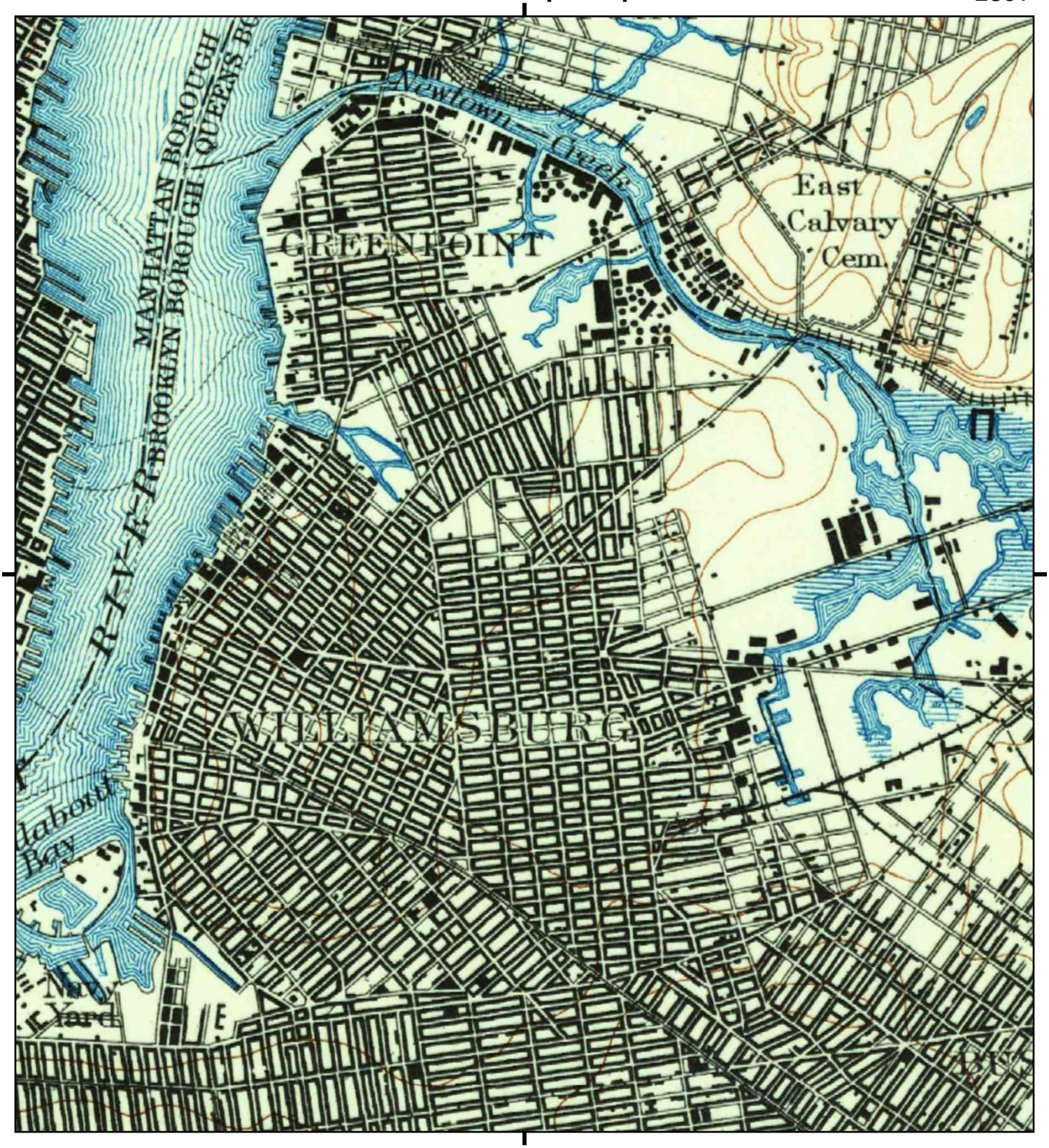
TP, Brooklyn, 1898, 15-minute

SITE NAME: 391 Meeker Avenue
ADDRESS: 391 Meeker Avenue
Brooklyn, NY 11222
CLIENT: Env. Business Consultants

N

Historical Topo Map

1897



This report includes information from the following map sheet(s).

Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Brooklyn, 1897, 15-minute

SITE NAME: 391 Meeker Avenue
ADDRESS: 391 Meeker Avenue
Brooklyn, NY 11222
CLIENT: Env. Business Consultants

N

CITY DIRECTORY ABSTRACT

1808 Middle Country Road
Ridge, NY 11961
Phone 631.924.0870
Fax 631.924.2870

391 Meeker Avenue

391 Meeker Avenue
Brooklyn, NY 11222

Inquiry Number: 4504364.5
January 05, 2016

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.

Disclaimer - Copyright and Trademark Notice

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.

Copyright 2015 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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 1928 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	-
	Cole Information Services	X	X	X	-
2008	Cole Information Services	X	-	X	-
2005	Hill-Donnelly Corporation	-	X	X	-
	Hill-Donnelly Corporation	X	X	X	-
2000	Cole Information Services	X	X	X	-
1997	NYNEX	X	X	X	-
1992	NYNEX Informantion Resource Co.	X	X	X	-
1985	NYNEX Information Resources Company	X	X	X	-
1980	New York Telephone	-	X	X	-
1976	New York Telephone	X	X	X	-
1973	New York Telephone	-	X	X	-
1970	New York Telephone	X	X	X	-
1965	New York Telephone	X	X	X	-
1960	New York Telephone	X	X	X	-
	New York Telephone Company	X	X	X	-
1949	New York Telephone Company	X	X	X	-
1945	New York Telephone	X	X	X	-
1940	New York Telephone	X	X	X	-
1934	R. L. Polk & Co.	-	X	X	-
1928	New York Telephone	-	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	***Type***	***Findings***
411 Manhattan Avenue	Client Entered	X
113 Richardson Street	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

391 Meeker Avenue
Brooklyn, NY 11222

FINDINGS DETAIL

Target Property research detail.

MEEKER AVE

391 MEEKER AVE

Year	Uses	Source
2013	BK FLOOR SUPPLY INC	Cole Information Services
2008	RALPHYS AUTO BODY REPAIR	Cole Information Services
2000	ZAPIL JUAN	Cole Information Services
1997	Meeker Auto Repr Inc	NYNEX
1992	MEEKER AUTO REPR INC	NYNEX Informantion Resource Co.
1985	RUSSIN BEER	NYNEX Information Resources Company
	THRIFTY BEVERAGE	NYNEX Information Resources Company
1976	BERLIN BEER DISTRIBTR	New York Telephone
1970	Berlin Beer Distribtr	New York Telephone
1965	BERLIN BEER DISTRIBTR	New York Telephone
1960	BERLIN LORUGE BEER CORP	New York Telephone
	Berlin Bros beer distribtrs	New York Telephone Company
	Berlin Loruge Beer Corp	New York Telephone Company
1949	BERLIN BROS INC beer distributrs	New York Telephone Company
1945	Berlin Bros Inc beer distributrs	New York Telephone
1940	Liberty Beer Distributrs Inc	New York Telephone

MEEKER AVE E

391 MEEKER AVE E

Year	Uses	Source
2005	Pedro Auto Repairs	Hill-Donnelly Corporation
	Tona Towing Svc Inc s 1	Hill-Donnelly Corporation

FINDINGS

ADJOINING PROPERTY DETAIL

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

MANHATTAN

409 MANHATTAN

Year	Uses	Source
1928	BUFFLER LOUIS R	New York Telephone
	SCHILLING FRANK G R	New York Telephone

MANHATTAN AVE

6273 MANHATTAN AVE

Year	Uses	Source
2005	Super Deli Market I	Hill-Donnelly Corporation
	Lebe Enterprises Inc	Hill-Donnelly Corporation

Manhattan Avenue

411 Manhattan Avenue

Year	Uses	Source
2005	h Plonsky Andrew	Hill-Donnelly Corporation
	h Dewees Deborah	Hill-Donnelly Corporation
	Marshall Joan	Hill-Donnelly Corporation
2000	APARTMENTS	Cole Information Services
	JOANN ATWOOD	Cole Information Services
	2L DEBORAH DEWEES	Cole Information Services
	1A ANGELO INDELICATO	Cole Information Services
	JOSHUA KIL	Cole Information Services
	ANDREW PLONSKY	Cole Information Services
1997	INDELCATO Angelo	NYNEX
	SCHONMANN V C	NYNEX
1992	NUNZIATO P	NYNEX Informantion Resource Co.
	FEMINELLA CONO J	NYNEX Informantion Resource Co.
	INDELICATO ANGELO	NYNEX Informantion Resource Co.
1985	SUSSMAN T	NYNEX Information Resources Company
	INDELICATO ANGELO	NYNEX Information Resources Company
	FEMINELLA CONO J	NYNEX Information Resources Company
1980	FEMINELLA CONO J	New York Telephone

FINDINGS

Year	Uses	Source
1976	MURPHY EUGENE	New York Telephone
	INDELICATO ANGELO	New York Telephone
1973	Murphy Eugene	New York Telephone
	Santelli John	New York Telephone
	Indelicata Angelo	New York Telephone
1970	Murphy Eugene	New York Telephone
	Santell John	New York Telephone
	Indelicato Angelo	New York Telephone
1965	Murphy Eugene	New York Telephone
	Ottati John	New York Telephone
	Santelli C A	New York Telephone
1960	Distasi Danl	New York Telephone Company
	Callovini Albert	New York Telephone Company
	Ottati John	New York Telephone Company
	Santelli C A	New York Telephone Company
	DISTASI DANL	New York Telephone
	OTTATI JOHN	New York Telephone
	SANTELLI C A	New York Telephone
	CALLOVINI ALBERT	New York Telephone
1949	Parisi Carmela	New York Telephone Company
	Ottati John	New York Telephone Company
	Santelli C A	New York Telephone Company
1945	Parisi Carmela	New York Telephone
	Ottati John	New York Telephone
1940	Ottatl John	New York Telephone
	Zanzonico Nunzio Il	New York Telephone

MEEKER AVE

377 MEEKER AVE

Year	Uses	Source
1934	BYRNE JAS T FLORIST	R. L. Polk & Co.

RICHARDSON

127 RICHARDSON

Year	Uses	Source
1934	AMURATA FRANK H	R. L. Polk & Co.

FINDINGS

132 RICHARDSON

Year	*Uses*	*Source*
1934	TORRE ALFONSO PDLR H	R. L. Polk & Co.
	BARBARO THOS CHAUF H	R. L. Polk & Co.

RICHARDSON ST

113 RICHARDSON ST

Year	*Uses*	*Source*
2013	MARIANI BROTHERS POULTRY	Cole Information Services

130 RICHARDSON ST

Year	*Uses*	*Source*
1973	Smallwood Richard	New York Telephone

Richardson Street

113 Richardson Street

Year	*Uses*	*Source*
2000	MARIANI BROS	Cole Information Services
	RCHRDSN LIVE PLTY	Cole Information Services

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
391 Meeker Avenue	1980, 1973, 1934, 1928

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
113 RICHARDSON ST	2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
113 Richardson Street	2013, 2008, 2005, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
127 RICHARDSON	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
130 RICHARDSON ST	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928
132 RICHARDSON	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
377 MEEKER AVE	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1928
409 MANHATTAN	2013, 2008, 2005, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934
411 Manhattan Avenue	2013, 2008, 1934, 1928
6273 MANHATTAN AVE	2013, 2008, 2000, 1997, 1992, 1985, 1980, 1976, 1973, 1970, 1965, 1960, 1949, 1945, 1940, 1934, 1928

APPENDIX B

SOIL BORING LOGS

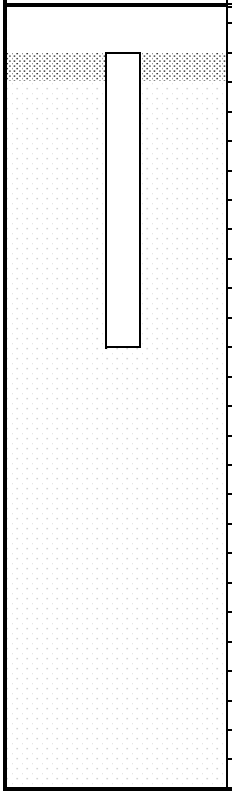
1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961
PHONE 631.504.6000
FAX 631.924.2870

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B1 Boring Log

Location: East side of the Site, inside building.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: BK Floor Supply Facility	Address: 391 Meeker Avenue, Brooklyn, NY 11222	Date	DTW	Ground Elevation
Drilling Company: C^2 Environmental	Method: Geoprobe	Groundwater depth 8 ft		Well Specifications
Date Started: 1/15/2016	Date Completed: 1/15/2016			NA
Completion Depth: 10 feet	Geologist Greg Swirson			

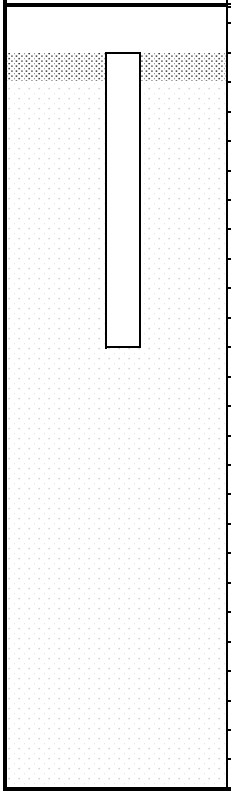
B1 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	13		0.0	4" - Crushed concrete (building slab) 9" - Brown silt, dry, no odor ***Retained Soil Sample B1 (0-2')*
	to 10	28		0.0	18" - Brown clay, dry, no odor 10" - Dark brown coarse sand and gravel, wet, no odor ***Water table encountered at approximately 8 ft bgs* ***Retained soil sample B1 (8-10')*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B2 Boring Log

Location: Northwest corner of the Site, inside building.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: BK Floor Supply Facility	Address: 391 Meeker Avenue, Brooklyn, NY 11222	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	8 ft		Well Specifications
Date Started: 1/15/2016	Date Completed: 1/15/2016			None
Completion Depth: 10 feet	Geologist Greg Swirson			

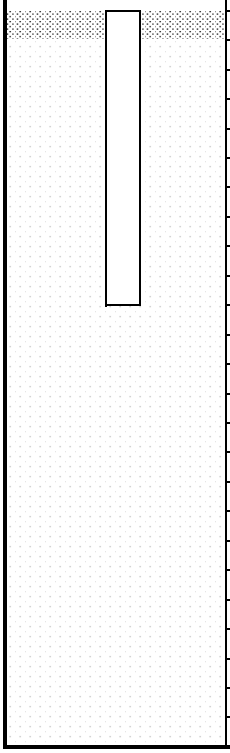
B2 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	14		0.0	4" - Crushed concrete (building slab) 10" - Brown silt with few brick fragments, dry, no odor ***Retained Soil Sample B2 (0-2')*
	to 10	26		0.0	3" - Brown silt, dry, no odor 8" - Gray coarse sand and gravel, damp, no odor 15" - Gray clay, damp, no odor ***Water table encountered at approximately 8 ft bgs* ***Retained soil sample B2 (8-10')*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B3 Boring Log

Location: Approximate center of Site, inside building.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: BK Floor Supply Facility	Address: 391 Meeker Avenue, Brooklyn, NY 11222	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	8 ft		Well Specifications
Date Started: 1/15/2016	Date Completed: 1/15/2016			None
Completion Depth: 10 feet	Geologist Greg Swirson			

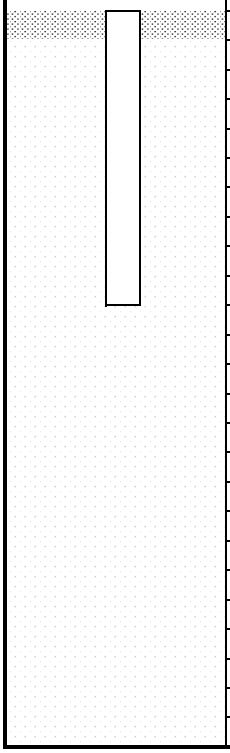
B3 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	15		0.0	4" - Crushed concrete (building slab) 11" - Brown silt, dry, no odor ***Retained Soil Sample B3 (0-2')*
	to 10	22		0.0	11" - Brown coarse sand and gravel, dry, no odor 11" - Gray clay, damp, no odor ***Water table encountered at approximately 8 ft bgs* ***Retained soil sample B3 (8-10')*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B4 Boring Log

Location: Middle of the southern side of the Site along Meeker Avenue, inside building.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: BK Floor Supply Facility	Address: 391 Meeker Avenue, Brooklyn, NY 11222	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	8 ft		Well Specifications
Date Started: 1/15/2016	Date Completed: 1/15/2016			None
Completion Depth: 10 feet	Geologist Greg Swirson			

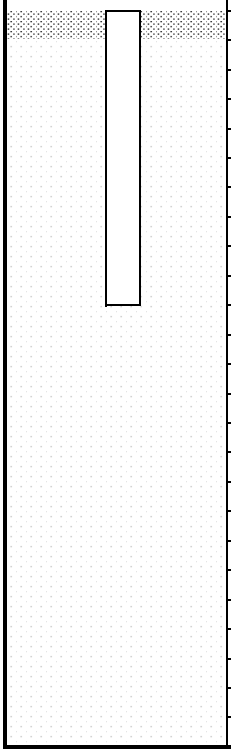
B4 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0 to 5	14		0.0	4" - Crushed concrete (building slab) 5" - Brown silt, dry, no odor 5" - Dark brown coarse sand and gravel, dry, no odor ***Retained Soil Sample B4 (0-2')*
	5 to 10	30		0.0	5" - Dark brown coarse sand and gravel, dry, no odor 25" - Brown/gray clay/fines, damp, no odor ***Water table encountered at approximately 8 ft bgs* ***Retained soil sample B4 (8-10')*

Geologic Boring Log Details

ENVIRONMENTAL BUSINESS CONSULTANTS

B5 Boring Log

Location: Southwest corner of the Site, inside building.		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: BK Floor Supply Facility	Address: 391 Meeker Avenue, Brooklyn, NY 11222	Date	DTW	Ground Elevation
		Groundwater depth		
Drilling Company: C^2 Environmental	Method: Geoprobe	8 ft		Well Specifications
Date Started: 1/15/2016	Date Completed: 1/15/2016			None
Completion Depth: 10 feet	Geologist Greg Swirson			

B5 (NTS)	DEPTH (ft below grade)	SAMPLES Reco-very (in.)	Blow per 6 in.	PID (ppm)	SOIL DESCRIPTION
	0				
	to 5	12		0.0	4" - Crushed concrete (building slab) 8" - Brown silt with brick fragments, dry, no odor ***Retained Soil Sample B5 (0-2')*
	to 10	25		0.0	5" - Brown coarse sand and gravel, dry, no odor 20" - Brown sand with a few glass fragments and a few bands of gray clay, wet, no odor ***Water table encountered at approximately 8 ft bgs* ***Retained soil sample B5 (8-10')*

APPENDIX C

GROUNDWATER SAMPLING LOGS

1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961
PHONE 631.504.6000
FAX 631.924.2870

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Site: 391 Meeker Ave

Well I.D.: MW1

Date: 1-22-16

Well Depth (from TOC): 15'

Static Water Level (from TOC): 7.85

Height of Water in Well: 7.15

Gallons of Water per Well Volume: 0.24

Equipment: Peristaltic Pump

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments / clarity
12:00	400ml/min	0.25	7.12	950	502	–	–	–	–	Turbid
12:03	↓	1	7.15	1237	48.8	–	–	–	–	Clear
12:08	↓	1.5	7.11	1121	49.3	–	–	–	–	Clear
12:13	↓	2	7.09	1072	49.1	–	–	–	–	Clear
12:15	↓	2.5	7.08	1002	48.7	–	–	–	–	Collected Sample MW1

no sheen + no odor ↓

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Site: 391 Meeker Ave

Date: 1-22-16

Equipment: Peristaltic Pump

Well I.D.: MW2

Well Depth (from TOC): 15'

Static Water Level (from TOC): 7.77

Height of Water in Well: 7.23

Gallons of Water per Well Volume: 0.241

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
11:00	400ml/min	0.25	6.86	720	47.5	–	–	–	–	clear
11:03	↓	1	6.90	948	48.2	–	–	–	–	clear
11:08	↓	1.5	6.94	1413	47.9	–	–	–	–	clear
11:13	↓	2	6.87	1208	47.5	–	–	–	–	clear
11:18	↓	2.5	6.88	1088	47.4	–	–	–	–	Collected sample MW2

no sheen + no odor ↓

Note 400 ml = 0.11 gallons

GROUNDWATER PURGE / SAMPLE LOGS

EBC

ENVIRONMENTAL BUSINESS CONSULTANTS

Site: 391 Meeker Ave

Date: 1-22-16

Equipment: Peristaltic Pump

Well I.D.: MW3

Well Depth (from TOC): 15'

Static Water Level (from TOC): 7.67

Height of Water in Well: 7.33

Gallons of Water per Well Volume: 0.24

Flow Rate: 400ml/min.

Time	Pump Rate	Gal. Removed	pH	Cond. (mS/cm)	Temp. (deg. C)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
10:00	400ml/min	0.25	6.95	1980	49.6	–	–	–	–	Turbid
10:03	↓	1	6.98	1277	50.2	–	–	–	–	Turbid
10:08	↓	1.5	6.90	1248	49.6	–	–	–	–	Clear
10:13	↓	2	6.92	1091	49.4	–	–	–	–	Clear
10:15	↓	2.5	6.93	1126	49.4	–	–	–	–	collected sample MW3

no sheen + no odors ↓

Note 400 ml = 0.11 gallons

APPENDIX D

SOIL VAPOR SAMPLING LOGS

1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961
PHONE 631.504.6000
FAX 631.924.2870

PHOENIX
Environmental Laboratories, Inc.

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

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426
email: greg@phoenixlabs.com

P.O. #
Page 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: File
☐ Phone #:

Report to: Rob Bennet
Customer: EBC
Address:

Invoice to: EBC

Sampled by: Thomas Galle

Project Name: 391 Meeker Ave

Requested Deliverable:
RCP ☐ ASP CAT B ☒
MCP ☐ NJ Deliverables ☐

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
571641	SV4	13651	6.0	-30	-3	5356	41.7	11:27	13:27	1-22	-30	-5		X			X
571642	SV1	12867	6.0	-30	-5	5646		11:55	13:55	1-22	-30	-7		X			X
571643	SV2	12868	6.0	-30	-0	3409		11:58	13:49	1-22	-30	-3		X			X
	Did Not Use	9767	6.0	-30		3220											
571644	SV3	365	6.0	-30	-4	5654		11:23	13:23	1-22	-30	-7		X			X
	6L 2hrs (2)																

Relinquished by:	Accepted by:	Date:	Time:
Thomas Galle	[signature]	1-26-16	12:00
[signature]	[signature]	1-26-16	16:12

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

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

Requested Criteria

Quote Number:

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

Signature: Date:

APPENDIX E

LABORATORY REPORTS

1808 MIDDLE COUNTRY ROAD
RIDGE, NY 11961
PHONE 631.504.6000
FAX 631.924.2870

PHOENIX
Environmental Laboratories, Inc.

Monday, January 25, 2016

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 391 MEELER AVE., BROOKLYN
Sample ID#s: BK54412 - BK54423

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

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

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

NY # 11301

SDG Comments

January 25, 2016

SDG I.D.: GBK54412

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 25, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	01/15/16	7:30
Location Code:	EBC	Received by:	LB	01/19/16	14:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK54412
Phoenix ID: BK54412

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B1 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.36		0.36	0.36	mg/Kg	1	01/20/16	LK	SW6010C	
Aluminum	8930		36	7.3	mg/Kg	10	01/20/16	LK	SW6010C	
Arsenic	7.9		0.7	0.73	mg/Kg	1	01/20/16	LK	SW6010C	
Barium	157		0.7	0.36	mg/Kg	1	01/20/16	LK	SW6010C	
Beryllium	0.55		0.29	0.15	mg/Kg	1	01/20/16	LK	SW6010C	
Calcium	5120		3.6	3.3	mg/Kg	1	01/20/16	LK	SW6010C	
Cadmium	0.70		0.36	0.15	mg/Kg	1	01/20/16	LK	SW6010C	
Cobalt	8.15		0.36	0.36	mg/Kg	1	01/20/16	LK	SW6010C	
Chromium	23.4		0.36	0.36	mg/Kg	1	01/20/16	LK	SW6010C	
Copper	88.1		0.36	0.36	mg/kg	1	01/20/16	LK	SW6010C	B
Iron	22600		36	36	mg/Kg	10	01/20/16	LK	SW6010C	
Mercury	1.24	N	0.03	0.02	mg/Kg	1	01/20/16	RS	SW7471B	
Potassium	1260		7	2.8	mg/Kg	1	01/20/16	LK	SW6010C	
Magnesium	2070		3.6	3.6	mg/Kg	1	01/20/16	LK	SW6010C	
Manganese	371		3.9	3.9	mg/Kg	10	01/20/16	LK	SW6010C	
Sodium	242		7	3.1	mg/Kg	1	01/20/16	LK	SW6010C	
Nickel	14.7		0.36	0.36	mg/Kg	1	01/20/16	LK	SW6010C	
Lead	462		7.3	3.6	mg/Kg	10	01/20/16	LK	SW6010C	B
Antimony	2.3		1.8	1.8	mg/Kg	1	01/20/16	LK	SW6010C	
Selenium	< 1.5		1.5	1.2	mg/Kg	1	01/20/16	LK	SW6010C	
Thallium	< 1.5		1.5	1.5	mg/Kg	1	01/20/16	LK	SW6010C	
Vanadium	30.9		0.4	0.36	mg/Kg	1	01/20/16	LK	SW6010C	
Zinc	310		7.9	3.9	mg/Kg	10	01/20/16	LK	SW6010C	
Percent Solid	87				%		01/19/16	W	SW846-%Solid	
Soil Extraction for PCB	Completed						01/19/16	BB	SW3545A	
Soil Extraction for Pest	Completed						01/19/16	BB	SW3545A	
Soil Extraction for SVOA	Completed						01/19/16	BJ/CKV	SW3545A	
Mercury Digestion	Completed						01/20/16	W/W	SW7471B	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B1 0-2

Phoenix I.D.: BK54412

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed						01/19/16	G/AG	SW3050B
Field Extraction	Completed						01/15/16		SW5035A
Polychlorinated Biphenyls									
PCB-1016	ND		38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1221	ND		38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1232	ND		38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1242	ND		38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1248	*	*	38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1254	670	*	38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1260	*	*	38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1262	ND		38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1268	ND		38	38	ug/Kg	2	01/21/16	AW	SW8082A
QA/QC Surrogates									
% DCBP	96				%	2	01/21/16	AW	30 - 150 %
% TCMX	86				%	2	01/21/16	AW	30 - 150 %
Pesticides - Soil									
4,4' -DDD	ND		2.3	2.3	ug/Kg	2	01/20/16	CE	SW8081B
4,4' -DDE	ND		2.3	2.3	ug/Kg	2	01/20/16	CE	SW8081B
4,4' -DDT	ND		50	50	ug/Kg	2	01/20/16	CE	SW8081B
a-BHC	ND		7.6	7.6	ug/Kg	2	01/20/16	CE	SW8081B
a-Chlordane	ND		3.8	3.8	ug/Kg	2	01/20/16	CE	SW8081B
Aldrin	ND		3.8	3.8	ug/Kg	2	01/20/16	CE	SW8081B
b-BHC	ND		7.6	7.6	ug/Kg	2	01/20/16	CE	SW8081B
Chlordane	ND		38	38	ug/Kg	2	01/20/16	CE	SW8081B
d-BHC	ND		7.6	7.6	ug/Kg	2	01/20/16	CE	SW8081B
Dieldrin	ND		8.0	8.0	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan I	ND		7.6	7.6	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan II	ND		7.6	7.6	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan sulfate	ND		7.6	7.6	ug/Kg	2	01/20/16	CE	SW8081B
Endrin	ND		7.6	7.6	ug/Kg	2	01/20/16	CE	SW8081B
Endrin aldehyde	ND		7.6	7.6	ug/Kg	2	01/20/16	CE	SW8081B
Endrin ketone	ND		7.6	7.6	ug/Kg	2	01/20/16	CE	SW8081B
g-BHC	ND		1.5	1.5	ug/Kg	2	01/20/16	CE	SW8081B
g-Chlordane	ND		3.8	3.8	ug/Kg	2	01/20/16	CE	SW8081B
Heptachlor	ND		7.6	7.6	ug/Kg	2	01/20/16	CE	SW8081B
Heptachlor epoxide	ND		7.6	7.6	ug/Kg	2	01/20/16	CE	SW8081B
Methoxychlor	ND		38	38	ug/Kg	2	01/20/16	CE	SW8081B
Toxaphene	ND		150	150	ug/Kg	2	01/20/16	CE	SW8081B
QA/QC Surrogates									
% DCBP	76				%	2	01/20/16	CE	30 - 150 %
% TCMX	73				%	2	01/20/16	CE	30 - 150 %
Volatiles									
1,1,1,2-Tetrachloroethane	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,1-Trichloroethane	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2-Trichloroethane	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C
1,1-Dichloroethane	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B1 0-2

Phoenix I.D.: BK54412

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1-Dichloropropene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromoethane	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloroethane	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloropropane	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichloropropane	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
2,2-Dichloropropane	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Chlorotoluene	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Hexanone	ND		28	5.6	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Isopropyltoluene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	1
4-Chlorotoluene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND		28	5.6	ug/Kg	1	01/20/16	JLI	SW8260C	
Acetone	17	JS	50	5.6	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		11	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Benzene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromobenzene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromochloromethane	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromodichloromethane	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromoform	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromomethane	ND		5.6	2.3	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon Disulfide	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon tetrachloride	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Chlorobenzene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroethane	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroform	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloromethane	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromochloromethane	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromomethane	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Ethylbenzene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Hexachlorobutadiene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Isopropylbenzene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
m&p-Xylene	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND		34	5.6	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Methylene chloride	ND		5.6	5.6	ug/Kg	1	01/20/16	JLI	SW8260C	
Naphthalene	1.2	J	5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
n-Butylbenzene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND		5.6	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
o-Xylene	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
p-Isopropyltoluene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
sec-Butylbenzene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Styrene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
tert-Butylbenzene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrachloroethene	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		11	2.8	ug/Kg	1	01/20/16	JLI	SW8260C	1
Toluene	0.93	J	5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		11	2.8	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichloroethene	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorofluoromethane	ND		5.6	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Vinyl chloride	ND		5.6	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	96				%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	96				%	1	01/20/16	JLI	70 - 130 %	
% Dibromofluoromethane	103				%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	92				%	1	01/20/16	JLI	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		100	45	ug/kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	96				%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	96				%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	92				%	1	01/20/16	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		23	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrolein	ND		23	2.8	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		23	0.56	ug/Kg	1	01/20/16	JLI	SW8260C	
Tert-butyl alcohol	ND		110	23	ug/Kg	1	01/20/16	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		260	130	ug/Kg	1	01/19/16	DD	SW8270D	
1,2,4-Trichlorobenzene	ND		260	110	ug/Kg	1	01/19/16	DD	SW8270D	
1,2-Dichlorobenzene	ND		260	110	ug/Kg	1	01/19/16	DD	SW8270D	
1,2-Diphenylhydrazine	ND		260	120	ug/Kg	1	01/19/16	DD	SW8270D	
1,3-Dichlorobenzene	ND		260	110	ug/Kg	1	01/19/16	DD	SW8270D	
1,4-Dichlorobenzene	ND		260	110	ug/Kg	1	01/19/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND		260	210	ug/Kg	1	01/19/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND		260	120	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dichlorophenol	ND		260	130	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dimethylphenol	ND		260	94	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dinitrophenol	ND		750	260	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dinitrotoluene	ND		260	150	ug/Kg	1	01/19/16	DD	SW8270D	
2,6-Dinitrotoluene	ND		260	120	ug/Kg	1	01/19/16	DD	SW8270D	
2-Chloronaphthalene	ND		260	110	ug/Kg	1	01/19/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B1 0-2

Phoenix I.D.: BK54412

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Chlorophenol	ND	260	110	ug/Kg	1	01/19/16	DD	SW8270D	
2-Methylnaphthalene	ND	260	110	ug/Kg	1	01/19/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	1	01/19/16	DD	SW8270D	
2-Nitroaniline	ND	750	380	ug/Kg	1	01/19/16	DD	SW8270D	
2-Nitrophenol	ND	260	240	ug/Kg	1	01/19/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	01/19/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	750	180	ug/Kg	1	01/19/16	DD	SW8270D	
3-Nitroaniline	ND	750	750	ug/Kg	1	01/19/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	1	01/19/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chloroaniline	ND	300	180	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	01/19/16	DD	SW8270D	
4-Nitroaniline	ND	750	130	ug/Kg	1	01/19/16	DD	SW8270D	
4-Nitrophenol	ND	380	170	ug/Kg	1	01/19/16	DD	SW8270D	
Acenaphthene	ND	260	110	ug/Kg	1	01/19/16	DD	SW8270D	
Acenaphthylene	ND	260	110	ug/Kg	1	01/19/16	DD	SW8270D	
Acetophenone	ND	260	120	ug/Kg	1	01/19/16	DD	SW8270D	
Aniline	ND	300	300	ug/Kg	1	01/19/16	DD	SW8270D	
Anthracene	270	260	120	ug/Kg	1	01/19/16	DD	SW8270D	
Benz(a)anthracene	710	260	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzidine	ND	750	220	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(a)pyrene	600	260	120	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(b)fluoranthene	540	260	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(ghi)perylene	360	260	120	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(k)fluoranthene	510	260	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzoic acid	ND	1900	750	ug/Kg	1	01/19/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	260	97	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	260	100	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	01/19/16	DD	SW8270D	
Carbazole	ND	1900	290	ug/Kg	1	01/19/16	DD	SW8270D	
Chrysene	720	260	130	ug/Kg	1	01/19/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	260	120	ug/Kg	1	01/19/16	DD	SW8270D	
Dibenzofuran	ND	260	110	ug/Kg	1	01/19/16	DD	SW8270D	
Diethyl phthalate	ND	260	120	ug/Kg	1	01/19/16	DD	SW8270D	
Dimethylphthalate	ND	260	120	ug/Kg	1	01/19/16	DD	SW8270D	
Di-n-butylphthalate	ND	260	100	ug/Kg	1	01/19/16	DD	SW8270D	
Di-n-octylphthalate	ND	260	97	ug/Kg	1	01/19/16	DD	SW8270D	
Fluoranthene	1400	260	120	ug/Kg	1	01/19/16	DD	SW8270D	
Fluorene	ND	260	120	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorobenzene	ND	260	110	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorobutadiene	ND	260	140	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	260	120	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachloroethane	ND	260	110	ug/Kg	1	01/19/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	390	260	130	ug/Kg	1	01/19/16	DD	SW8270D	
Isophorone	ND	260	110	ug/Kg	1	01/19/16	DD	SW8270D	
Naphthalene	ND	260	110	ug/Kg	1	01/19/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B1 0-2

Phoenix I.D.: BK54412

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	260	130	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	260	120	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	260	140	ug/Kg	1	01/19/16	DD	SW8270D
Pentachloronitrobenzene	ND	260	140	ug/Kg	1	01/19/16	DD	SW8270D
Pentachlorophenol	ND	260	140	ug/Kg	1	01/19/16	DD	SW8270D
Phenanthrene	1200	260	110	ug/Kg	1	01/19/16	DD	SW8270D
Phenol	ND	260	120	ug/Kg	1	01/19/16	DD	SW8270D
Pyrene	1300	260	130	ug/Kg	1	01/19/16	DD	SW8270D
Pyridine	ND	260	93	ug/Kg	1	01/19/16	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	67			%	1	01/19/16	DD	30 - 130 %
% 2-Fluorobiphenyl	74			%	1	01/19/16	DD	30 - 130 %
% 2-Fluorophenol	54			%	1	01/19/16	DD	30 - 130 %
% Nitrobenzene-d5	68			%	1	01/19/16	DD	30 - 130 %
% Phenol-d5	63			%	1	01/19/16	DD	30 - 130 %
% Terphenyl-d14	77			%	1	01/19/16	DD	30 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Pesticide Comment:
Due to matrix interference caused by the presence of PCBs in the sample, an elevated RL was reported.

PCB Comment:
* For PCBs, as per section 11.9.3 of SW846 method 8082, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1248 and 1254 and 1260. The PCB is quantitated as a timed group and is reported as the Aroclor 1254.

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
January 25, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 25, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	01/15/16	8:00
Location Code:	EBC	Received by:	LB	01/19/16	14:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK54412
Phoenix ID: BK54413

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B1 8-10

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.53		0.53	0.53	mg/Kg	1	01/20/16	LK	SW6010C	
Aluminum	7730		53	11	mg/Kg	10	01/20/16	LK	SW6010C	
Arsenic	9.4		1.1	1.1	mg/Kg	1	01/20/16	LK	SW6010C	
Barium	191		1.1	0.53	mg/Kg	1	01/20/16	LK	SW6010C	
Beryllium	0.50		0.42	0.21	mg/Kg	1	01/20/16	LK	SW6010C	
Calcium	5400		5.3	4.8	mg/Kg	1	01/20/16	LK	SW6010C	
Cadmium	0.64		0.53	0.21	mg/Kg	1	01/20/16	LK	SW6010C	
Cobalt	7.48		0.53	0.53	mg/Kg	1	01/20/16	LK	SW6010C	
Chromium	16.7		0.53	0.53	mg/Kg	1	01/20/16	LK	SW6010C	
Copper	66.9		0.53	0.53	mg/kg	1	01/20/16	LK	SW6010C	B
Iron	18800		53	53	mg/Kg	10	01/20/16	LK	SW6010C	
Mercury	3.70	N	0.35	0.21	mg/Kg	1	01/20/16	RS	SW7471B	
Potassium	1080		11	4.1	mg/Kg	1	01/20/16	LK	SW6010C	
Magnesium	1450		5.3	5.3	mg/Kg	1	01/20/16	LK	SW6010C	
Manganese	324		5.3	5.3	mg/Kg	10	01/20/16	LK	SW6010C	
Sodium	270		11	4.5	mg/Kg	1	01/20/16	LK	SW6010C	
Nickel	14.6		0.53	0.53	mg/Kg	1	01/20/16	LK	SW6010C	
Lead	327		11	5.3	mg/Kg	10	01/20/16	LK	SW6010C	B
Antimony	< 2.6		2.6	2.6	mg/Kg	1	01/20/16	LK	SW6010C	
Selenium	< 2.1		2.1	1.8	mg/Kg	1	01/20/16	LK	SW6010C	
Thallium	< 2.1		2.1	2.1	mg/Kg	1	01/20/16	LK	SW6010C	
Vanadium	25.6		0.5	0.53	mg/Kg	1	01/20/16	LK	SW6010C	
Zinc	204		1.1	0.53	mg/Kg	1	01/20/16	LK	SW6010C	
Percent Solid	66				%		01/19/16	W	SW846-%Solid	
Soil Extraction for PCB	Completed						01/19/16	BB	SW3545A	
Soil Extraction for Pest	Completed						01/19/16	BB	SW3545A	
Soil Extraction for SVOA	Completed						01/19/16	JJ/CKV	SW3545A	
Mercury Digestion	Completed						01/20/16	W/W	SW7471B	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B1 8-10

Phoenix I.D.: BK54413

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/19/16	G/AG	SW3050B
Field Extraction	Completed					01/15/16		SW5035A
Polychlorinated Biphenyls								
PCB-1016	ND	50	50	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1221	ND	50	50	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1232	ND	50	50	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1242	ND	50	50	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1248	ND	50	50	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1254	ND	50	50	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1260	120	50	50	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1262	ND	50	50	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1268	ND	50	50	ug/Kg	2	01/21/16	AW	SW8082A
QA/QC Surrogates								
% DCBP	75			%	2	01/21/16	AW	30 - 150 %
% TCMX	68			%	2	01/21/16	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	3.0	3.0	ug/Kg	2	01/21/16	CE	SW8081B
4,4' -DDE	ND	3.0	3.0	ug/Kg	2	01/21/16	CE	SW8081B
4,4' -DDT	13	3.0	3.0	ug/Kg	2	01/21/16	CE	SW8081B
a-BHC	ND	10	10	ug/Kg	2	01/21/16	CE	SW8081B
a-Chlordane	ND	5.0	5.0	ug/Kg	2	01/21/16	CE	SW8081B
Aldrin	ND	2.5	2.5	ug/Kg	2	01/21/16	CE	SW8081B
b-BHC	ND	10	10	ug/Kg	2	01/21/16	CE	SW8081B
Chlordane	ND	50	50	ug/Kg	2	01/21/16	CE	SW8081B
d-BHC	ND	10	10	ug/Kg	2	01/21/16	CE	SW8081B
Dieldrin	ND	2.5	2.5	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan I	ND	10	10	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan II	ND	10	10	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan sulfate	ND	10	10	ug/Kg	2	01/21/16	CE	SW8081B
Endrin	ND	10	10	ug/Kg	2	01/21/16	CE	SW8081B
Endrin aldehyde	ND	10	10	ug/Kg	2	01/21/16	CE	SW8081B
Endrin ketone	ND	10	10	ug/Kg	2	01/21/16	CE	SW8081B
g-BHC	ND	2.0	2.0	ug/Kg	2	01/21/16	CE	SW8081B
g-Chlordane	ND	5.0	5.0	ug/Kg	2	01/21/16	CE	SW8081B
Heptachlor	ND	10	10	ug/Kg	2	01/21/16	CE	SW8081B
Heptachlor epoxide	ND	10	10	ug/Kg	2	01/21/16	CE	SW8081B
Methoxychlor	ND	50	50	ug/Kg	2	01/21/16	CE	SW8081B
Toxaphene	ND	200	200	ug/Kg	2	01/21/16	CE	SW8081B
QA/QC Surrogates								
% DCBP	74			%	2	01/21/16	CE	30 - 150 %
% TCMX	61			%	2	01/21/16	CE	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C
1,1-Dichloroethane	ND	8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B1 8-10

Phoenix I.D.: BK54413

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1-Dichloropropene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromoethane	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloroethane	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloropropane	ND		8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichloropropane	ND		8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
2,2-Dichloropropane	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Chlorotoluene	ND		8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Hexanone	ND		42	8.3	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Isopropyltoluene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	1
4-Chlorotoluene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND		42	8.3	ug/Kg	1	01/20/16	JLI	SW8260C	
Acetone	91	S	83	8.3	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		17	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Benzene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromobenzene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromochloromethane	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromodichloromethane	ND		8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromoform	ND		8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromomethane	ND		8.3	3.3	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon Disulfide	2.4	J	8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon tetrachloride	ND		8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Chlorobenzene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroethane	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroform	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloromethane	ND		8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromochloromethane	ND		8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromomethane	ND		8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Dichlorodifluoromethane	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Ethylbenzene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Hexachlorobutadiene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Isopropylbenzene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
m&p-Xylene	ND		8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl Ethyl Ketone	29	J	50	8.3	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		17	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Methylene chloride	ND		8.3	8.3	ug/Kg	1	01/20/16	JLI	SW8260C	
Naphthalene	2.9	J	8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
n-Butylbenzene	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	8.3	1.5	ug/Kg	1	01/20/16	JLI	SW8260C	
o-Xylene	ND	8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
p-Isopropyltoluene	ND	8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
sec-Butylbenzene	ND	8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Styrene	ND	8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
tert-Butylbenzene	ND	8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrachloroethene	ND	8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	17	4.2	ug/Kg	1	01/20/16	JLI	SW8260C	1
Toluene	ND	8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	17	4.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichloroethene	ND	8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorofluoromethane	ND	8.3	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Vinyl chloride	ND	8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	92			%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	01/20/16	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	92			%	1	01/20/16	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100	67	ug/kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	92			%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	92			%	1	01/20/16	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	33	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrolein	ND	33	4.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND	33	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Tert-butyl alcohol	ND	170	33	ug/Kg	1	01/20/16	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	350	170	ug/Kg	1	01/19/16	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	350	150	ug/Kg	1	01/19/16	DD	SW8270D	
1,2-Dichlorobenzene	ND	350	140	ug/Kg	1	01/19/16	DD	SW8270D	
1,2-Diphenylhydrazine	ND	350	160	ug/Kg	1	01/19/16	DD	SW8270D	
1,3-Dichlorobenzene	ND	350	150	ug/Kg	1	01/19/16	DD	SW8270D	
1,4-Dichlorobenzene	ND	350	150	ug/Kg	1	01/19/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND	350	270	ug/Kg	1	01/19/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND	350	160	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dichlorophenol	ND	350	170	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dimethylphenol	ND	350	120	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dinitrophenol	ND	990	350	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dinitrotoluene	ND	350	190	ug/Kg	1	01/19/16	DD	SW8270D	
2,6-Dinitrotoluene	ND	350	160	ug/Kg	1	01/19/16	DD	SW8270D	
2-Chloronaphthalene	ND	350	140	ug/Kg	1	01/19/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B1 8-10

Phoenix I.D.: BK54413

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Chlorophenol	ND		350	140	ug/Kg	1	01/19/16	DD	SW8270D	
2-Methylnaphthalene	ND		350	150	ug/Kg	1	01/19/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		330	230	ug/Kg	1	01/19/16	DD	SW8270D	
2-Nitroaniline	ND		990	500	ug/Kg	1	01/19/16	DD	SW8270D	
2-Nitrophenol	ND		350	310	ug/Kg	1	01/19/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	340	J	350	190	ug/Kg	1	01/19/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND		990	230	ug/Kg	1	01/19/16	DD	SW8270D	
3-Nitroaniline	ND		990	990	ug/Kg	1	01/19/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		2500	530	ug/Kg	1	01/19/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		350	140	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND		350	170	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chloroaniline	ND		390	230	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		350	170	ug/Kg	1	01/19/16	DD	SW8270D	
4-Nitroaniline	ND		990	160	ug/Kg	1	01/19/16	DD	SW8270D	
4-Nitrophenol	ND		490	220	ug/Kg	1	01/19/16	DD	SW8270D	
Acenaphthene	200	J	350	150	ug/Kg	1	01/19/16	DD	SW8270D	
Acenaphthylene	ND		350	140	ug/Kg	1	01/19/16	DD	SW8270D	
Acetophenone	ND		350	150	ug/Kg	1	01/19/16	DD	SW8270D	
Aniline	ND		390	390	ug/Kg	1	01/19/16	DD	SW8270D	
Anthracene	440		350	160	ug/Kg	1	01/19/16	DD	SW8270D	
Benz(a)anthracene	650		350	170	ug/Kg	1	01/19/16	DD	SW8270D	
Benzidine	ND		990	290	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(a)pyrene	500		350	160	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(b)fluoranthene	430		350	170	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(ghi)perylene	270	J	350	160	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(k)fluoranthene	440		350	160	ug/Kg	1	01/19/16	DD	SW8270D	
Benzoic acid	ND		2500	990	ug/Kg	1	01/19/16	DD	SW8270D	1
Benzyl butyl phthalate	ND		350	130	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		350	140	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		350	130	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		350	140	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		350	140	ug/Kg	1	01/19/16	DD	SW8270D	
Carbazole	ND		2500	370	ug/Kg	1	01/19/16	DD	SW8270D	
Chrysene	640		350	170	ug/Kg	1	01/19/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND		330	160	ug/Kg	1	01/19/16	DD	SW8270D	
Dibenzofuran	160	J	350	140	ug/Kg	1	01/19/16	DD	SW8270D	
Diethyl phthalate	ND		350	160	ug/Kg	1	01/19/16	DD	SW8270D	
Dimethylphthalate	ND		350	150	ug/Kg	1	01/19/16	DD	SW8270D	
Di-n-butylphthalate	ND		350	130	ug/Kg	1	01/19/16	DD	SW8270D	
Di-n-octylphthalate	ND		350	130	ug/Kg	1	01/19/16	DD	SW8270D	
Fluoranthene	1200		350	160	ug/Kg	1	01/19/16	DD	SW8270D	
Fluorene	270	J	350	160	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorobenzene	ND		350	140	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorobutadiene	ND		350	180	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND		350	150	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachloroethane	ND		350	150	ug/Kg	1	01/19/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	300	J	350	160	ug/Kg	1	01/19/16	DD	SW8270D	
Isophorone	ND		350	140	ug/Kg	1	01/19/16	DD	SW8270D	
Naphthalene	190	J	350	140	ug/Kg	1	01/19/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B1 8-10

Phoenix I.D.: BK54413

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	350	170	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodimethylamine	ND	350	140	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	350	160	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	350	190	ug/Kg	1	01/19/16	DD	SW8270D
Pentachloronitrobenzene	ND	350	180	ug/Kg	1	01/19/16	DD	SW8270D
Pentachlorophenol	ND	350	190	ug/Kg	1	01/19/16	DD	SW8270D
Phenanthrene	1600	350	140	ug/Kg	1	01/19/16	DD	SW8270D
Phenol	ND	330	160	ug/Kg	1	01/19/16	DD	SW8270D
Pyrene	1200	350	170	ug/Kg	1	01/19/16	DD	SW8270D
Pyridine	ND	350	120	ug/Kg	1	01/19/16	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	61			%	1	01/19/16	DD	30 - 130 %
% 2-Fluorobiphenyl	62			%	1	01/19/16	DD	30 - 130 %
% 2-Fluorophenol	50			%	1	01/19/16	DD	30 - 130 %
% Nitrobenzene-d5	59			%	1	01/19/16	DD	30 - 130 %
% Phenol-d5	55			%	1	01/19/16	DD	30 - 130 %
% Terphenyl-d14	72			%	1	01/19/16	DD	30 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Pesticide Comment:
Due to matrix interference caused by the presence of PCBs in the sample, an elevated RL was reported.

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
January 25, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 25, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	01/15/16	8:30
Location Code:	EBC	Received by:	LB	01/19/16	14:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK54412
Phoenix ID: BK54414

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B2 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.40		0.40	0.40	mg/Kg	1	01/20/16	LK	SW6010C	
Aluminum	8550		40	7.9	mg/Kg	10	01/20/16	LK	SW6010C	
Arsenic	9.1		0.8	0.79	mg/Kg	1	01/20/16	LK	SW6010C	
Barium	172		0.8	0.40	mg/Kg	1	01/20/16	LK	SW6010C	
Beryllium	0.53		0.32	0.16	mg/Kg	1	01/20/16	LK	SW6010C	
Calcium	8270		4.0	3.7	mg/Kg	1	01/20/16	LK	SW6010C	
Cadmium	0.53		0.40	0.16	mg/Kg	1	01/20/16	LK	SW6010C	
Cobalt	8.77		0.40	0.40	mg/Kg	1	01/20/16	LK	SW6010C	
Chromium	20.8		0.40	0.40	mg/Kg	1	01/20/16	LK	SW6010C	
Copper	144		0.40	0.40	mg/kg	1	01/20/16	LK	SW6010C	B
Iron	21400		40	40	mg/Kg	10	01/20/16	LK	SW6010C	
Mercury	1.75	N	0.28	0.17	mg/Kg	1	01/20/16	RS	SW7471B	
Potassium	1560		8	3.1	mg/Kg	1	01/20/16	LK	SW6010C	
Magnesium	2030		4.0	4.0	mg/Kg	1	01/20/16	LK	SW6010C	
Manganese	428		4.0	4.0	mg/Kg	10	01/20/16	LK	SW6010C	
Sodium	405		8	3.4	mg/Kg	1	01/20/16	LK	SW6010C	
Nickel	23.9		0.40	0.40	mg/Kg	1	01/20/16	LK	SW6010C	
Lead	496		7.9	4.0	mg/Kg	10	01/20/16	LK	SW6010C	B
Antimony	6.5		2.0	2.0	mg/Kg	1	01/20/16	LK	SW6010C	
Selenium	< 1.6		1.6	1.4	mg/Kg	1	01/20/16	LK	SW6010C	
Thallium	< 1.6		1.6	1.6	mg/Kg	1	01/20/16	LK	SW6010C	
Vanadium	27.9		0.4	0.40	mg/Kg	1	01/20/16	LK	SW6010C	
Zinc	201		7.9	4.0	mg/Kg	10	01/20/16	LK	SW6010C	
Percent Solid	85				%		01/19/16	W	SW846-%Solid	
Soil Extraction for PCB	Completed						01/19/16	BB	SW3545A	
Soil Extraction for Pest	Completed						01/19/16	BB	SW3545A	
Soil Extraction for SVOA	Completed						01/19/16	BJ/CKV	SW3545A	
Mercury Digestion	Completed						01/20/16	W/W	SW7471B	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B2 0-2

Phoenix I.D.: BK54414

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/19/16	G/AG	SW3050B
Field Extraction	Completed					01/15/16		SW5035A
Polychlorinated Biphenyls								
PCB-1016	ND	38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1221	ND	38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1232	ND	38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1242	ND	38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1248	ND	38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1254	ND	38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1260	53	38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1262	ND	38	38	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1268	ND	38	38	ug/Kg	2	01/21/16	AW	SW8082A
QA/QC Surrogates								
% DCBP	84			%	2	01/21/16	AW	30 - 150 %
% TCMX	81			%	2	01/21/16	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3	2.3	ug/Kg	2	01/20/16	CE	SW8081B
4,4' -DDE	ND	2.3	2.3	ug/Kg	2	01/20/16	CE	SW8081B
4,4' -DDT	ND	2.3	2.3	ug/Kg	2	01/20/16	CE	SW8081B
a-BHC	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
a-Chlordane	ND	3.8	3.8	ug/Kg	2	01/20/16	CE	SW8081B
Aldrin	ND	3.8	3.8	ug/Kg	2	01/20/16	CE	SW8081B
b-BHC	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Chlordane	ND	38	38	ug/Kg	2	01/20/16	CE	SW8081B
d-BHC	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Dieldrin	ND	3.8	3.8	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan I	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan II	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan sulfate	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Endrin	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Endrin aldehyde	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Endrin ketone	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	01/20/16	CE	SW8081B
g-Chlordane	ND	3.8	3.8	ug/Kg	2	01/20/16	CE	SW8081B
Heptachlor	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Heptachlor epoxide	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Methoxychlor	ND	38	38	ug/Kg	2	01/20/16	CE	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	01/20/16	CE	SW8081B
QA/QC Surrogates								
% DCBP	63			%	2	01/20/16	CE	30 - 150 %
% TCMX	54			%	2	01/20/16	CE	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C
1,1-Dichloroethane	ND	4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B2 0-2

Phoenix I.D.: BK54414

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1-Dichloropropene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	3.6	J	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromoethane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloroethane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloropropane	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	1.4	J	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichloropropane	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
2,2-Dichloropropane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Chlorotoluene	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Hexanone	ND		21	4.2	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Isopropyltoluene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	1
4-Chlorotoluene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND		21	4.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Acetone	27	JS	42	4.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		8.5	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
Benzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromobenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromochloromethane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromodichloromethane	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromoform	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromomethane	ND		4.2	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon Disulfide	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon tetrachloride	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
Chlorobenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroethane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroform	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloromethane	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromochloromethane	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromomethane	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Ethylbenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Hexachlorobutadiene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Isopropylbenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
m&p-Xylene	0.89	J	4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND		25	4.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		8.5	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
Methylene chloride	ND		4.2	4.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Naphthalene	ND		4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
n-Butylbenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	4.2	0.76	ug/Kg	1	01/20/16	JLI	SW8260C	
o-Xylene	ND	4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
p-Isopropyltoluene	ND	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
sec-Butylbenzene	ND	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Styrene	ND	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
tert-Butylbenzene	ND	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrachloroethene	ND	4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	8.5	2.1	ug/Kg	1	01/20/16	JLI	SW8260C	1
Toluene	ND	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	8.5	2.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichloroethene	ND	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorofluoromethane	ND	4.2	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Vinyl chloride	ND	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96			%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	01/20/16	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	91			%	1	01/20/16	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	85	34	ug/kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96			%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	91			%	1	01/20/16	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	17	0.85	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrolein	ND	17	2.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND	17	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Tert-butyl alcohol	ND	85	17	ug/Kg	1	01/20/16	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	1	01/19/16	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
1,2-Diphenylhydrazine	ND	270	130	ug/Kg	1	01/19/16	DD	SW8270D	
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	01/19/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dichlorophenol	ND	270	140	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dimethylphenol	ND	270	96	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dinitrophenol	ND	780	270	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dinitrotoluene	ND	270	150	ug/Kg	1	01/19/16	DD	SW8270D	
2,6-Dinitrotoluene	ND	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
2-Chloronaphthalene	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B2 0-2

Phoenix I.D.: BK54414

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Chlorophenol	ND		270	110	ug/Kg	1	01/19/16	DD	SW8270D	
2-Methylnaphthalene	130	J	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	1	01/19/16	DD	SW8270D	
2-Nitroaniline	ND		780	390	ug/Kg	1	01/19/16	DD	SW8270D	
2-Nitrophenol	ND		270	250	ug/Kg	1	01/19/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	1	01/19/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND		780	180	ug/Kg	1	01/19/16	DD	SW8270D	
3-Nitroaniline	ND		780	780	ug/Kg	1	01/19/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		1900	420	ug/Kg	1	01/19/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND		270	140	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chloroaniline	ND		310	180	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	1	01/19/16	DD	SW8270D	
4-Nitroaniline	ND		780	130	ug/Kg	1	01/19/16	DD	SW8270D	
4-Nitrophenol	ND		390	180	ug/Kg	1	01/19/16	DD	SW8270D	
Acenaphthene	250	J	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Acenaphthylene	180	J	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Acetophenone	ND		270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Aniline	ND		310	310	ug/Kg	1	01/19/16	DD	SW8270D	
Anthracene	680		270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benz(a)anthracene	1400		270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzidine	ND		780	230	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(a)pyrene	1200		270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(b)fluoranthene	1000		270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(ghi)perylene	700		270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(k)fluoranthene	990		270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzoic acid	ND		1900	780	ug/Kg	1	01/19/16	DD	SW8270D	1
Benzyl butyl phthalate	ND		270	100	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		270	100	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Carbazole	ND		1900	290	ug/Kg	1	01/19/16	DD	SW8270D	
Chrysene	1400		270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Dibenz(a,h)anthracene	190	J	270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Dibenzofuran	210	J	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Diethyl phthalate	ND		270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Dimethylphthalate	ND		270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Di-n-butylphthalate	ND		270	100	ug/Kg	1	01/19/16	DD	SW8270D	
Di-n-octylphthalate	ND		270	100	ug/Kg	1	01/19/16	DD	SW8270D	
Fluoranthene	3100		270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Fluorene	320		270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorobenzene	ND		270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorobutadiene	ND		270	140	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachloroethane	ND		270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	780		270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Isophorone	ND		270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Naphthalene	170	J	270	110	ug/Kg	1	01/19/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B2 0-2

Phoenix I.D.: BK54414

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	270	140	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	270	130	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	01/19/16	DD	SW8270D
Pentachloronitrobenzene	ND	270	140	ug/Kg	1	01/19/16	DD	SW8270D
Pentachlorophenol	ND	270	150	ug/Kg	1	01/19/16	DD	SW8270D
Phenanthrene	2900	270	110	ug/Kg	1	01/19/16	DD	SW8270D
Phenol	ND	270	120	ug/Kg	1	01/19/16	DD	SW8270D
Pyrene	2700	270	130	ug/Kg	1	01/19/16	DD	SW8270D
Pyridine	ND	270	95	ug/Kg	1	01/19/16	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	62			%	1	01/19/16	DD	30 - 130 %
% 2-Fluorobiphenyl	69			%	1	01/19/16	DD	30 - 130 %
% 2-Fluorophenol	49			%	1	01/19/16	DD	30 - 130 %
% Nitrobenzene-d5	66			%	1	01/19/16	DD	30 - 130 %
% Phenol-d5	58			%	1	01/19/16	DD	30 - 130 %
% Terphenyl-d14	73			%	1	01/19/16	DD	30 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
January 25, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 25, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	01/15/16	9:00
Location Code:	EBC	Received by:	LB	01/19/16	14:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK54412
Phoenix ID: BK54415

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B2 8-10

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.39		0.39	0.39	mg/Kg	1	01/20/16	LK	SW6010C	
Aluminum	10200		39	7.7	mg/Kg	10	01/20/16	LK	SW6010C	
Arsenic	2.9		0.8	0.77	mg/Kg	1	01/20/16	LK	SW6010C	
Barium	82.1		0.8	0.39	mg/Kg	1	01/20/16	LK	SW6010C	
Beryllium	0.51		0.31	0.15	mg/Kg	1	01/20/16	LK	SW6010C	
Calcium	2220		3.9	3.5	mg/Kg	1	01/20/16	LK	SW6010C	
Cadmium	0.19	B	0.39	0.15	mg/Kg	1	01/20/16	LK	SW6010C	
Cobalt	8.52		0.39	0.39	mg/Kg	1	01/20/16	LK	SW6010C	
Chromium	19.9		0.39	0.39	mg/Kg	1	01/20/16	LK	SW6010C	
Copper	22.7		0.39	0.39	mg/kg	1	01/20/16	LK	SW6010C	B
Iron	17600		39	39	mg/Kg	10	01/20/16	LK	SW6010C	
Mercury	0.73	N	0.03	0.02	mg/Kg	1	01/20/16	RS	SW7471B	
Potassium	1370		8	3.0	mg/Kg	1	01/20/16	LK	SW6010C	
Magnesium	2220		3.9	3.9	mg/Kg	1	01/20/16	LK	SW6010C	
Manganese	297		3.9	3.9	mg/Kg	10	01/20/16	LK	SW6010C	
Sodium	143		8	3.3	mg/Kg	1	01/20/16	LK	SW6010C	
Nickel	13.1		0.39	0.39	mg/Kg	1	01/20/16	LK	SW6010C	
Lead	71.5		0.8	0.39	mg/Kg	1	01/20/16	LK	SW6010C	B
Antimony	< 1.9		1.9	1.9	mg/Kg	1	01/20/16	LK	SW6010C	
Selenium	< 1.5		1.5	1.3	mg/Kg	1	01/20/16	LK	SW6010C	
Thallium	< 1.5		1.5	1.5	mg/Kg	1	01/20/16	LK	SW6010C	
Vanadium	31.8		0.4	0.39	mg/Kg	1	01/20/16	LK	SW6010C	
Zinc	56.9		0.8	0.39	mg/Kg	1	01/20/16	LK	SW6010C	
Percent Solid	81				%		01/19/16	W	SW846-%Solid	
Soil Extraction for PCB	Completed						01/19/16	BB	SW3545A	
Soil Extraction for Pest	Completed						01/19/16	BB	SW3545A	
Soil Extraction for SVOA	Completed						01/19/16	JJ/CKV	SW3545A	
Mercury Digestion	Completed						01/20/16	W/W	SW7471B	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B2 8-10

Phoenix I.D.: BK54415

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/19/16	G/AG	SW3050B
Field Extraction	Completed					01/15/16		SW5035A
Polychlorinated Biphenyls								
PCB-1016	ND	41	41	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1221	ND	41	41	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1232	ND	41	41	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1242	ND	41	41	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1248	ND	41	41	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1254	ND	41	41	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1260	ND	41	41	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1262	ND	41	41	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1268	ND	41	41	ug/Kg	2	01/21/16	AW	SW8082A
QA/QC Surrogates								
% DCBP	78			%	2	01/21/16	AW	30 - 150 %
% TCMX	72			%	2	01/21/16	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.4	2.4	ug/Kg	2	01/21/16	CE	SW8081B
4,4' -DDE	ND	2.4	2.4	ug/Kg	2	01/21/16	CE	SW8081B
4,4' -DDT	ND	2.4	2.4	ug/Kg	2	01/21/16	CE	SW8081B
a-BHC	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
a-Chlordane	ND	4.1	4.1	ug/Kg	2	01/21/16	CE	SW8081B
Aldrin	ND	4.1	4.1	ug/Kg	2	01/21/16	CE	SW8081B
b-BHC	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Chlordane	ND	41	41	ug/Kg	2	01/21/16	CE	SW8081B
d-BHC	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Dieldrin	ND	4.1	4.1	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan I	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan II	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan sulfate	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Endrin	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Endrin aldehyde	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Endrin ketone	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
g-BHC	ND	1.6	1.6	ug/Kg	2	01/21/16	CE	SW8081B
g-Chlordane	ND	4.1	4.1	ug/Kg	2	01/21/16	CE	SW8081B
Heptachlor	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Heptachlor epoxide	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Methoxychlor	ND	41	41	ug/Kg	2	01/21/16	CE	SW8081B
Toxaphene	ND	160	160	ug/Kg	2	01/21/16	CE	SW8081B
QA/QC Surrogates								
% DCBP	73			%	2	01/21/16	CE	30 - 150 %
% TCMX	62			%	2	01/21/16	CE	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B2 8-10

Phoenix I.D.: BK54415

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1-Dichloropropene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromoethane	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloroethane	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloropropane	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichloropropane	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
2,2-Dichloropropane	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Chlorotoluene	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Hexanone	ND		28	5.7	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Isopropyltoluene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	1
4-Chlorotoluene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND		28	5.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Acetone	59	S	57	5.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		11	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Benzene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromobenzene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromochloromethane	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromodichloromethane	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromoform	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromomethane	ND		5.7	2.3	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon Disulfide	1.5	J	5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon tetrachloride	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Chlorobenzene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroethane	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroform	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloromethane	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromochloromethane	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromomethane	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Ethylbenzene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Hexachlorobutadiene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Isopropylbenzene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
m&p-Xylene	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl Ethyl Ketone	22	J	34	5.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		11	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Methylene chloride	ND		5.7	5.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Naphthalene	ND		5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
n-Butylbenzene	ND		5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	5.7	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
o-Xylene	ND	5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
p-Isopropyltoluene	ND	5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
sec-Butylbenzene	ND	5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Styrene	ND	5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
tert-Butylbenzene	ND	5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrachloroethene	ND	5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	11	2.8	ug/Kg	1	01/20/16	JLI	SW8260C	1
Toluene	ND	5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	11	2.8	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichloroethene	ND	5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorofluoromethane	ND	5.7	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Vinyl chloride	ND	5.7	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	93			%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	1	01/20/16	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	92			%	1	01/20/16	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100	45	ug/kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	93			%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	92			%	1	01/20/16	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	23	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrolein	ND	23	2.8	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND	23	0.57	ug/Kg	1	01/20/16	JLI	SW8260C	
Tert-butyl alcohol	ND	110	23	ug/Kg	1	01/20/16	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
1,2-Dichlorobenzene	ND	290	110	ug/Kg	1	01/19/16	DD	SW8270D	
1,2-Diphenylhydrazine	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
1,3-Dichlorobenzene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
1,4-Dichlorobenzene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND	290	220	ug/Kg	1	01/19/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dichlorophenol	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dimethylphenol	ND	290	100	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dinitrophenol	ND	810	290	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dinitrotoluene	ND	290	160	ug/Kg	1	01/19/16	DD	SW8270D	
2,6-Dinitrotoluene	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
2-Chloronaphthalene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B2 8-10

Phoenix I.D.: BK54415

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Chlorophenol	ND		290	120	ug/Kg	1	01/19/16	DD	SW8270D	
2-Methylnaphthalene	ND		290	120	ug/Kg	1	01/19/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		290	190	ug/Kg	1	01/19/16	DD	SW8270D	
2-Nitroaniline	ND		810	410	ug/Kg	1	01/19/16	DD	SW8270D	
2-Nitrophenol	ND		290	260	ug/Kg	1	01/19/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		290	160	ug/Kg	1	01/19/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND		810	190	ug/Kg	1	01/19/16	DD	SW8270D	
3-Nitroaniline	ND		810	810	ug/Kg	1	01/19/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		2000	440	ug/Kg	1	01/19/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		290	120	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND		290	140	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chloroaniline	ND		330	190	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		290	140	ug/Kg	1	01/19/16	DD	SW8270D	
4-Nitroaniline	ND		810	140	ug/Kg	1	01/19/16	DD	SW8270D	
4-Nitrophenol	ND		410	180	ug/Kg	1	01/19/16	DD	SW8270D	
Acenaphthene	ND		290	120	ug/Kg	1	01/19/16	DD	SW8270D	
Acenaphthylene	ND		290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Acetophenone	ND		290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Aniline	ND		330	330	ug/Kg	1	01/19/16	DD	SW8270D	
Anthracene	ND		290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benz(a)anthracene	180	J	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
Benzidine	ND		810	240	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(a)pyrene	150	J	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(b)fluoranthene	ND		290	140	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(ghi)perylene	ND		290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(k)fluoranthene	ND		290	140	ug/Kg	1	01/19/16	DD	SW8270D	
Benzoic acid	ND		2000	810	ug/Kg	1	01/19/16	DD	SW8270D	1
Benzyl butyl phthalate	ND		290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		290	120	ug/Kg	1	01/19/16	DD	SW8270D	
Carbazole	ND		2000	310	ug/Kg	1	01/19/16	DD	SW8270D	
Chrysene	200	J	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND		290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Dibenzofuran	ND		290	120	ug/Kg	1	01/19/16	DD	SW8270D	
Diethyl phthalate	ND		290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Dimethylphthalate	ND		290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Di-n-butylphthalate	ND		290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Di-n-octylphthalate	ND		290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Fluoranthene	450		290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Fluorene	ND		290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorobenzene	ND		290	120	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorobutadiene	ND		290	150	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND		290	120	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachloroethane	ND		290	120	ug/Kg	1	01/19/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND		290	140	ug/Kg	1	01/19/16	DD	SW8270D	
Isophorone	ND		290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Naphthalene	ND		290	120	ug/Kg	1	01/19/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B2 8-10

Phoenix I.D.: BK54415

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodimethylamine	ND	290	110	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	290	160	ug/Kg	1	01/19/16	DD	SW8270D
Pentachloronitrobenzene	ND	290	150	ug/Kg	1	01/19/16	DD	SW8270D
Pentachlorophenol	ND	290	150	ug/Kg	1	01/19/16	DD	SW8270D
Phenanthrene	510	290	120	ug/Kg	1	01/19/16	DD	SW8270D
Phenol	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D
Pyrene	410	290	140	ug/Kg	1	01/19/16	DD	SW8270D
Pyridine	ND	290	100	ug/Kg	1	01/19/16	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	60			%	1	01/19/16	DD	30 - 130 %
% 2-Fluorobiphenyl	58			%	1	01/19/16	DD	30 - 130 %
% 2-Fluorophenol	45			%	1	01/19/16	DD	30 - 130 %
% Nitrobenzene-d5	54			%	1	01/19/16	DD	30 - 130 %
% Phenol-d5	53			%	1	01/19/16	DD	30 - 130 %
% Terphenyl-d14	70			%	1	01/19/16	DD	30 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
January 25, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 25, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	01/15/16	9:30
Location Code:	EBC	Received by:	LB	01/19/16	14:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK54412
Phoenix ID: BK54416

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B3 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.38		0.38	0.38	mg/Kg	1	01/20/16	LK	SW6010C	
Aluminum	7990		38	7.6	mg/Kg	10	01/20/16	LK	SW6010C	
Arsenic	7.7		0.8	0.76	mg/Kg	1	01/20/16	LK	SW6010C	
Barium	139		0.8	0.38	mg/Kg	1	01/20/16	LK	SW6010C	
Beryllium	0.47		0.30	0.15	mg/Kg	1	01/20/16	LK	SW6010C	
Calcium	9360		3.8	3.5	mg/Kg	1	01/20/16	LK	SW6010C	
Cadmium	0.76		0.38	0.15	mg/Kg	1	01/20/16	LK	SW6010C	
Cobalt	8.82		0.38	0.38	mg/Kg	1	01/20/16	LK	SW6010C	
Chromium	19.6		0.38	0.38	mg/Kg	1	01/20/16	LK	SW6010C	
Copper	180		3.8	3.8	mg/kg	10	01/20/16	LK	SW6010C	B
Iron	22400		38	38	mg/Kg	10	01/20/16	LK	SW6010C	
Mercury	2.85	N	0.28	0.17	mg/Kg	1	01/20/16	RS	SW7471B	
Potassium	1350		8	2.9	mg/Kg	1	01/20/16	LK	SW6010C	
Magnesium	2200		3.8	3.8	mg/Kg	1	01/20/16	LK	SW6010C	
Manganese	415		3.8	3.8	mg/Kg	10	01/20/16	LK	SW6010C	
Sodium	262		8	3.2	mg/Kg	1	01/20/16	LK	SW6010C	
Nickel	16.2		0.38	0.38	mg/Kg	1	01/20/16	LK	SW6010C	
Lead	629		7.6	3.8	mg/Kg	10	01/20/16	LK	SW6010C	B
Antimony	11.8		1.9	1.9	mg/Kg	1	01/20/16	LK	SW6010C	
Selenium	< 1.5		1.5	1.3	mg/Kg	1	01/20/16	LK	SW6010C	
Thallium	< 1.5		1.5	1.5	mg/Kg	1	01/20/16	LK	SW6010C	
Vanadium	29.0		0.4	0.38	mg/Kg	1	01/20/16	LK	SW6010C	
Zinc	272		7.6	3.8	mg/Kg	10	01/20/16	LK	SW6010C	
Percent Solid	86				%		01/19/16	W	SW846-%Solid	
Soil Extraction for PCB	Completed						01/19/16	BB	SW3545A	
Soil Extraction for Pest	Completed						01/19/16	BB	SW3545A	
Soil Extraction for SVOA	Completed						01/19/16	JJ/CKV	SW3545A	
Mercury Digestion	Completed						01/20/16	W/W	SW7471B	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B3 0-2

Phoenix I.D.: BK54416

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/19/16	G/AG	SW3050B
Field Extraction	Completed					01/15/16		SW5035A
Polychlorinated Biphenyls								
PCB-1016	ND	39	39	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1221	ND	39	39	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1232	ND	39	39	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1242	ND	39	39	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1248	ND	39	39	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1254	ND	39	39	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1260	59	39	39	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1262	ND	39	39	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1268	ND	39	39	ug/Kg	2	01/21/16	AW	SW8082A
QA/QC Surrogates								
% DCBP	85			%	2	01/21/16	AW	30 - 150 %
% TCMX	78			%	2	01/21/16	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.3	2.3	ug/Kg	2	01/20/16	CE	SW8081B
4,4' -DDE	ND	2.3	2.3	ug/Kg	2	01/20/16	CE	SW8081B
4,4' -DDT	ND	2.3	2.3	ug/Kg	2	01/20/16	CE	SW8081B
a-BHC	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
a-Chlordane	ND	3.9	3.9	ug/Kg	2	01/20/16	CE	SW8081B
Aldrin	ND	3.9	3.9	ug/Kg	2	01/20/16	CE	SW8081B
b-BHC	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Chlordane	ND	39	39	ug/Kg	2	01/20/16	CE	SW8081B
d-BHC	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Dieldrin	ND	3.9	3.9	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan I	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan II	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan sulfate	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Endrin	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Endrin aldehyde	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Endrin ketone	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	01/20/16	CE	SW8081B
g-Chlordane	ND	3.9	3.9	ug/Kg	2	01/20/16	CE	SW8081B
Heptachlor	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Heptachlor epoxide	ND	7.7	7.7	ug/Kg	2	01/20/16	CE	SW8081B
Methoxychlor	ND	39	39	ug/Kg	2	01/20/16	CE	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	01/20/16	CE	SW8081B
QA/QC Surrogates								
% DCBP	88			%	2	01/20/16	CE	30 - 150 %
% TCMX	80			%	2	01/20/16	CE	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C
1,1-Dichloroethane	ND	3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B3 0-2

Phoenix I.D.: BK54416

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1-Dichloropropene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	3.0	J	3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromoethane	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloroethane	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloropropane	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	1.8	J	3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichloropropane	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
2,2-Dichloropropane	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Chlorotoluene	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Hexanone	ND		18	3.6	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Isopropyltoluene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	1
4-Chlorotoluene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND		18	3.6	ug/Kg	1	01/20/16	JLI	SW8260C	
Acetone	18	JS	36	3.6	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		7.2	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
Benzene	1.1	J	3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromobenzene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromochloromethane	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromodichloromethane	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromoform	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromomethane	ND		3.6	1.4	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon Disulfide	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon tetrachloride	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
Chlorobenzene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroethane	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroform	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloromethane	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromochloromethane	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromomethane	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
Dichlorodifluoromethane	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Ethylbenzene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Hexachlorobutadiene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Isopropylbenzene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
m&p-Xylene	4.7		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND		22	3.6	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		7.2	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
Methylene chloride	ND		3.6	3.6	ug/Kg	1	01/20/16	JLI	SW8260C	
Naphthalene	25		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
n-Butylbenzene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND		3.6	0.65	ug/Kg	1	01/20/16	JLI	SW8260C	
o-Xylene	2.3	J	3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
p-Isopropyltoluene	1.5	J	3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
sec-Butylbenzene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Styrene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
tert-Butylbenzene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrachloroethene	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		7.2	1.8	ug/Kg	1	01/20/16	JLI	SW8260C	1
Toluene	23	J	210	21	ug/Kg	50	01/20/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		7.2	1.8	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichloroethene	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorofluoromethane	ND		3.6	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Vinyl chloride	ND		3.6	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	97				%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	97				%	1	01/20/16	JLI	70 - 130 %	
% Dibromofluoromethane	103				%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	93				%	1	01/20/16	JLI	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		72	29	ug/kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	97				%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	97				%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	93				%	1	01/20/16	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		14	0.72	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrolein	ND		14	1.8	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		14	0.36	ug/Kg	1	01/20/16	JLI	SW8260C	
Tert-butyl alcohol	ND		72	14	ug/Kg	1	01/20/16	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		270	140	ug/Kg	1	01/19/16	DD	SW8270D	
1,2,4-Trichlorobenzene	ND		270	120	ug/Kg	1	01/19/16	DD	SW8270D	
1,2-Dichlorobenzene	ND		270	110	ug/Kg	1	01/19/16	DD	SW8270D	
1,2-Diphenylhydrazine	ND		270	130	ug/Kg	1	01/19/16	DD	SW8270D	
1,3-Dichlorobenzene	ND		270	110	ug/Kg	1	01/19/16	DD	SW8270D	
1,4-Dichlorobenzene	ND		270	110	ug/Kg	1	01/19/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND		270	210	ug/Kg	1	01/19/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND		270	120	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dichlorophenol	ND		270	140	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dimethylphenol	ND		270	95	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dinitrophenol	ND		770	270	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dinitrotoluene	ND		270	150	ug/Kg	1	01/19/16	DD	SW8270D	
2,6-Dinitrotoluene	ND		270	120	ug/Kg	1	01/19/16	DD	SW8270D	
2-Chloronaphthalene	ND		270	110	ug/Kg	1	01/19/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B3 0-2

Phoenix I.D.: BK54416

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Chlorophenol	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
2-Methylnaphthalene	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	01/19/16	DD	SW8270D	
2-Nitroaniline	ND	770	390	ug/Kg	1	01/19/16	DD	SW8270D	
2-Nitrophenol	ND	270	240	ug/Kg	1	01/19/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	01/19/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	770	180	ug/Kg	1	01/19/16	DD	SW8270D	
3-Nitroaniline	ND	770	770	ug/Kg	1	01/19/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	1900	410	ug/Kg	1	01/19/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	270	140	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chloroaniline	ND	310	180	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	01/19/16	DD	SW8270D	
4-Nitroaniline	ND	770	130	ug/Kg	1	01/19/16	DD	SW8270D	
4-Nitrophenol	ND	380	170	ug/Kg	1	01/19/16	DD	SW8270D	
Acenaphthene	ND	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Acenaphthylene	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Acetophenone	ND	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Aniline	ND	310	310	ug/Kg	1	01/19/16	DD	SW8270D	
Anthracene	ND	270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benz(a)anthracene	270	270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzidine	ND	770	230	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(a)pyrene	340	270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(b)fluoranthene	340	270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(ghi)perylene	320	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(k)fluoranthene	290	270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzoic acid	ND	1900	770	ug/Kg	1	01/19/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	270	99	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	270	100	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Carbazole	ND	1900	290	ug/Kg	1	01/19/16	DD	SW8270D	
Chrysene	310	270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Dibenzofuran	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Diethyl phthalate	ND	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Dimethylphthalate	ND	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Di-n-butylphthalate	ND	270	100	ug/Kg	1	01/19/16	DD	SW8270D	
Di-n-octylphthalate	ND	270	99	ug/Kg	1	01/19/16	DD	SW8270D	
Fluoranthene	430	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Fluorene	ND	270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorobenzene	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorobutadiene	ND	270	140	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachloroethane	ND	270	120	ug/Kg	1	01/19/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	310	270	130	ug/Kg	1	01/19/16	DD	SW8270D	
Isophorone	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	
Naphthalene	ND	270	110	ug/Kg	1	01/19/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B3 0-2

Phoenix I.D.: BK54416

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND		270	130	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodimethylamine	ND		270	110	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND		270	120	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodiphenylamine	ND		270	150	ug/Kg	1	01/19/16	DD	SW8270D
Pentachloronitrobenzene	ND		270	140	ug/Kg	1	01/19/16	DD	SW8270D
Pentachlorophenol	ND		270	150	ug/Kg	1	01/19/16	DD	SW8270D
Phenanthrene	250	J	270	110	ug/Kg	1	01/19/16	DD	SW8270D
Phenol	ND		270	120	ug/Kg	1	01/19/16	DD	SW8270D
Pyrene	410		270	130	ug/Kg	1	01/19/16	DD	SW8270D
Pyridine	ND		270	95	ug/Kg	1	01/19/16	DD	SW8270D
QA/QC Surrogates									
% 2,4,6-Tribromophenol	60				%	1	01/19/16	DD	30 - 130 %
% 2-Fluorobiphenyl	69				%	1	01/19/16	DD	30 - 130 %
% 2-Fluorophenol	52				%	1	01/19/16	DD	30 - 130 %
% Nitrobenzene-d5	70				%	1	01/19/16	DD	30 - 130 %
% Phenol-d5	62				%	1	01/19/16	DD	30 - 130 %
% Terphenyl-d14	73				%	1	01/19/16	DD	30 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
January 25, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 25, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	01/15/16	10:00
Location Code:	EBC	Received by:	LB	01/19/16	14:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK54412
Phoenix ID: BK54417

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B3 8-10

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.41		0.41	0.41	mg/Kg	1	01/20/16	LK	SW6010C	
Aluminum	10300		41	8.1	mg/Kg	10	01/20/16	LK	SW6010C	
Arsenic	4.5		0.8	0.81	mg/Kg	1	01/20/16	LK	SW6010C	
Barium	80.0		0.8	0.41	mg/Kg	1	01/20/16	LK	SW6010C	
Beryllium	0.49		0.32	0.16	mg/Kg	1	01/20/16	LK	SW6010C	
Calcium	3820		4.1	3.7	mg/Kg	1	01/20/16	LK	SW6010C	
Cadmium	0.31	B	0.41	0.16	mg/Kg	1	01/20/16	LK	SW6010C	
Cobalt	8.70		0.41	0.41	mg/Kg	1	01/20/16	LK	SW6010C	
Chromium	20.8		0.41	0.41	mg/Kg	1	01/20/16	LK	SW6010C	
Copper	22.5		0.41	0.41	mg/kg	1	01/20/16	LK	SW6010C	B
Iron	22000		41	41	mg/Kg	10	01/20/16	LK	SW6010C	
Mercury	0.13	N	0.03	0.02	mg/Kg	1	01/20/16	RS	SW7471B	
Potassium	1300		8	3.2	mg/Kg	1	01/20/16	LK	SW6010C	
Magnesium	2220		4.1	4.1	mg/Kg	1	01/20/16	LK	SW6010C	
Manganese	430		4.1	4.1	mg/Kg	10	01/20/16	LK	SW6010C	
Sodium	137		8	3.5	mg/Kg	1	01/20/16	LK	SW6010C	
Nickel	13.1		0.41	0.41	mg/Kg	1	01/20/16	LK	SW6010C	
Lead	94.0		0.8	0.41	mg/Kg	1	01/20/16	LK	SW6010C	B
Antimony	< 2.0		2.0	2.0	mg/Kg	1	01/20/16	LK	SW6010C	
Selenium	< 1.6		1.6	1.4	mg/Kg	1	01/20/16	LK	SW6010C	
Thallium	< 1.6		1.6	1.6	mg/Kg	1	01/20/16	LK	SW6010C	
Vanadium	31.9		0.4	0.41	mg/Kg	1	01/20/16	LK	SW6010C	
Zinc	69.1		0.8	0.41	mg/Kg	1	01/20/16	LK	SW6010C	
Percent Solid	81				%		01/19/16	W	SW846-%Solid	
Soil Extraction for PCB	Completed						01/19/16	BB	SW3545A	
Soil Extraction for Pest	Completed						01/19/16	BB	SW3545A	
Soil Extraction for SVOA	Completed						01/19/16	JJ/CKV	SW3545A	
Mercury Digestion	Completed						01/20/16	W/W	SW7471B	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B3 8-10

Phoenix I.D.: BK54417

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/19/16	G/AG	SW3050B
Field Extraction	Completed					01/15/16		SW5035A
Polychlorinated Biphenyls								
PCB-1016	ND	40	40	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1221	ND	40	40	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1232	ND	40	40	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1242	ND	40	40	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1248	ND	40	40	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1254	ND	40	40	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1260	ND	40	40	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1262	ND	40	40	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1268	ND	40	40	ug/Kg	2	01/21/16	AW	SW8082A
QA/QC Surrogates								
% DCBP	77			%	2	01/21/16	AW	30 - 150 %
% TCMX	72			%	2	01/21/16	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.4	2.4	ug/Kg	2	01/21/16	CE	SW8081B
4,4' -DDE	ND	2.4	2.4	ug/Kg	2	01/21/16	CE	SW8081B
4,4' -DDT	ND	2.4	2.4	ug/Kg	2	01/21/16	CE	SW8081B
a-BHC	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
a-Chlordane	ND	4.0	4.0	ug/Kg	2	01/21/16	CE	SW8081B
Aldrin	ND	4.0	4.0	ug/Kg	2	01/21/16	CE	SW8081B
b-BHC	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Chlordane	ND	40	40	ug/Kg	2	01/21/16	CE	SW8081B
d-BHC	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Dieldrin	ND	4.0	4.0	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan I	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan II	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan sulfate	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Endrin	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Endrin aldehyde	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Endrin ketone	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
g-BHC	ND	1.6	1.6	ug/Kg	2	01/21/16	CE	SW8081B
g-Chlordane	ND	4.0	4.0	ug/Kg	2	01/21/16	CE	SW8081B
Heptachlor	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Heptachlor epoxide	ND	8.1	8.1	ug/Kg	2	01/21/16	CE	SW8081B
Methoxychlor	ND	40	40	ug/Kg	2	01/21/16	CE	SW8081B
Toxaphene	ND	160	160	ug/Kg	2	01/21/16	CE	SW8081B
QA/QC Surrogates								
% DCBP	81			%	2	01/21/16	CE	30 - 150 %
% TCMX	67			%	2	01/21/16	CE	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C
1,1-Dichloroethane	ND	3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B3 8-10

Phoenix I.D.: BK54417

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1-Dichloropropene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromoethane	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloroethane	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloropropane	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichloropropane	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
2,2-Dichloropropane	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Chlorotoluene	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Hexanone	ND		19	3.9	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Isopropyltoluene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	1
4-Chlorotoluene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND		19	3.9	ug/Kg	1	01/20/16	JLI	SW8260C	
Acetone	27	JS	39	3.9	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		7.8	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
Benzene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromobenzene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromochloromethane	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromodichloromethane	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromoform	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromomethane	ND		3.9	1.6	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon Disulfide	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon tetrachloride	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
Chlorobenzene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroethane	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroform	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloromethane	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromochloromethane	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromomethane	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
Dichlorodifluoromethane	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Ethylbenzene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Hexachlorobutadiene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Isopropylbenzene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
m&p-Xylene	ND		3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl Ethyl Ketone	7.2	J	23	3.9	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		7.8	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
Methylene chloride	ND		3.9	3.9	ug/Kg	1	01/20/16	JLI	SW8260C	
Naphthalene	0.88	J	3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
n-Butylbenzene	ND		3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	3.9	0.70	ug/Kg	1	01/20/16	JLI	SW8260C	
o-Xylene	ND	3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
p-Isopropyltoluene	ND	3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
sec-Butylbenzene	ND	3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Styrene	ND	3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
tert-Butylbenzene	ND	3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrachloroethene	ND	3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	7.8	1.9	ug/Kg	1	01/20/16	JLI	SW8260C	1
Toluene	ND	3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	7.8	1.9	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichloroethene	ND	3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorofluoromethane	ND	3.9	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Vinyl chloride	ND	3.9	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94			%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	01/20/16	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	92			%	1	01/20/16	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	78	31	ug/kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94			%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	92			%	1	01/20/16	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	16	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrolein	ND	16	1.9	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND	16	0.39	ug/Kg	1	01/20/16	JLI	SW8260C	
Tert-butyl alcohol	ND	78	16	ug/Kg	1	01/20/16	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
1,2-Dichlorobenzene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
1,2-Diphenylhydrazine	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
1,3-Dichlorobenzene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
1,4-Dichlorobenzene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND	290	230	ug/Kg	1	01/19/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dichlorophenol	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dimethylphenol	ND	290	100	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dinitrophenol	ND	820	290	ug/Kg	1	01/19/16	DD	SW8270D	
2,4-Dinitrotoluene	ND	290	160	ug/Kg	1	01/19/16	DD	SW8270D	
2,6-Dinitrotoluene	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
2-Chloronaphthalene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B3 8-10

Phoenix I.D.: BK54417

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Chlorophenol	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
2-Methylnaphthalene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND	290	190	ug/Kg	1	01/19/16	DD	SW8270D	
2-Nitroaniline	ND	820	420	ug/Kg	1	01/19/16	DD	SW8270D	
2-Nitrophenol	ND	290	260	ug/Kg	1	01/19/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	290	160	ug/Kg	1	01/19/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND	820	190	ug/Kg	1	01/19/16	DD	SW8270D	
3-Nitroaniline	ND	820	820	ug/Kg	1	01/19/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND	2100	440	ug/Kg	1	01/19/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chloroaniline	ND	330	190	ug/Kg	1	01/19/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
4-Nitroaniline	ND	820	140	ug/Kg	1	01/19/16	DD	SW8270D	
4-Nitrophenol	ND	410	190	ug/Kg	1	01/19/16	DD	SW8270D	
Acenaphthene	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Acenaphthylene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
Acetophenone	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Aniline	ND	330	330	ug/Kg	1	01/19/16	DD	SW8270D	
Anthracene	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benz(a)anthracene	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
Benzidine	ND	820	240	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(a)pyrene	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(b)fluoranthene	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(ghi)perylene	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Benzo(k)fluoranthene	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
Benzoic acid	ND	2100	820	ug/Kg	1	01/19/16	DD	SW8270D	1
Benzyl butyl phthalate	ND	290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND	290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND	290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND	290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
Carbazole	ND	2100	310	ug/Kg	1	01/19/16	DD	SW8270D	
Chrysene	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Dibenzofuran	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
Diethyl phthalate	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Dimethylphthalate	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Di-n-butylphthalate	ND	290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Di-n-octylphthalate	ND	290	110	ug/Kg	1	01/19/16	DD	SW8270D	
Fluoranthene	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Fluorene	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorobenzene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorobutadiene	ND	290	150	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D	
Hexachloroethane	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D	
Isophorone	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	
Naphthalene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B3 8-10

Phoenix I.D.: BK54417

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodimethylamine	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	290	160	ug/Kg	1	01/19/16	DD	SW8270D
Pentachloronitrobenzene	ND	290	150	ug/Kg	1	01/19/16	DD	SW8270D
Pentachlorophenol	ND	290	160	ug/Kg	1	01/19/16	DD	SW8270D
Phenanthrene	ND	290	120	ug/Kg	1	01/19/16	DD	SW8270D
Phenol	ND	290	130	ug/Kg	1	01/19/16	DD	SW8270D
Pyrene	ND	290	140	ug/Kg	1	01/19/16	DD	SW8270D
Pyridine	ND	290	100	ug/Kg	1	01/19/16	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	62			%	1	01/19/16	DD	30 - 130 %
% 2-Fluorobiphenyl	64			%	1	01/19/16	DD	30 - 130 %
% 2-Fluorophenol	51			%	1	01/19/16	DD	30 - 130 %
% Nitrobenzene-d5	61			%	1	01/19/16	DD	30 - 130 %
% Phenol-d5	56			%	1	01/19/16	DD	30 - 130 %
% Terphenyl-d14	74			%	1	01/19/16	DD	30 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
January 25, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 25, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	01/15/16	10:30
Location Code:	EBC	Received by:	LB	01/19/16	14:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK54412
Phoenix ID: BK54418

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B4 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.43		0.43	0.43	mg/Kg	1	01/20/16	LK	SW6010C	
Aluminum	7260		43	8.5	mg/Kg	10	01/20/16	LK	SW6010C	
Arsenic	11.0		0.9	0.85	mg/Kg	1	01/20/16	LK	SW6010C	
Barium	225		0.9	0.43	mg/Kg	1	01/20/16	LK	SW6010C	
Beryllium	0.64		0.34	0.17	mg/Kg	1	01/20/16	LK	SW6010C	
Calcium	14400		43	39	mg/Kg	10	01/20/16	LK	SW6010C	
Cadmium	0.92		0.43	0.17	mg/Kg	1	01/20/16	LK	SW6010C	
Cobalt	9.76		0.43	0.43	mg/Kg	1	01/20/16	LK	SW6010C	
Chromium	17.0		0.43	0.43	mg/Kg	1	01/20/16	LK	SW6010C	
Copper	69.6		0.43	0.43	mg/kg	1	01/20/16	LK	SW6010C	B
Iron	11600		43	43	mg/Kg	10	01/20/16	LK	SW6010C	
Mercury	1.50	N	0.35	0.21	mg/Kg	1	01/20/16	RS	SW7471B	
Potassium	1380		9	3.3	mg/Kg	1	01/20/16	LK	SW6010C	
Magnesium	960		4.3	4.3	mg/Kg	1	01/20/16	LK	SW6010C	
Manganese	244		4.3	4.3	mg/Kg	10	01/20/16	LK	SW6010C	
Sodium	1010		9	3.7	mg/Kg	1	01/20/16	LK	SW6010C	
Nickel	19.1		0.43	0.43	mg/Kg	1	01/20/16	LK	SW6010C	
Lead	550		8.5	4.3	mg/Kg	10	01/20/16	LK	SW6010C	B
Antimony	< 2.1		2.1	2.1	mg/Kg	1	01/20/16	LK	SW6010C	
Selenium	< 1.7		1.7	1.5	mg/Kg	1	01/20/16	LK	SW6010C	
Thallium	< 1.7		1.7	1.7	mg/Kg	1	01/20/16	LK	SW6010C	
Vanadium	33.1		0.4	0.43	mg/Kg	1	01/20/16	LK	SW6010C	
Zinc	638		8.5	4.3	mg/Kg	10	01/20/16	LK	SW6010C	
Percent Solid	76				%		01/19/16	W	SW846-%Solid	
Soil Extraction for PCB	Completed						01/19/16	BB	SW3545A	
Soil Extraction for Pest	Completed						01/19/16	BB	SW3545A	
Soil Extraction for SVOA	Completed						01/19/16	BJ/CKV	SW3545A	
Mercury Digestion	Completed						01/20/16	W/W	SW7471B	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B4 0-2

Phoenix I.D.: BK54418

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/19/16	G/AG	SW3050B
Field Extraction	Completed					01/15/16		SW5035A
Polychlorinated Biphenyls								
PCB-1016	ND	44	44	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1221	ND	44	44	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1232	ND	44	44	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1242	ND	44	44	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1248	ND	44	44	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1254	ND	44	44	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1260	ND	44	44	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1262	ND	44	44	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1268	ND	44	44	ug/Kg	2	01/21/16	AW	SW8082A
QA/QC Surrogates								
% DCBP	76			%	2	01/21/16	AW	30 - 150 %
% TCMX	70			%	2	01/21/16	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.6	2.6	ug/Kg	2	01/20/16	CE	SW8081B
4,4' -DDE	ND	2.6	2.6	ug/Kg	2	01/20/16	CE	SW8081B
4,4' -DDT	ND	2.6	2.6	ug/Kg	2	01/20/16	CE	SW8081B
a-BHC	ND	8.7	8.7	ug/Kg	2	01/20/16	CE	SW8081B
a-Chlordane	ND	4.4	4.4	ug/Kg	2	01/20/16	CE	SW8081B
Aldrin	ND	4.4	4.4	ug/Kg	2	01/20/16	CE	SW8081B
b-BHC	ND	8.7	8.7	ug/Kg	2	01/20/16	CE	SW8081B
Chlordane	ND	44	44	ug/Kg	2	01/20/16	CE	SW8081B
d-BHC	ND	8.7	8.7	ug/Kg	2	01/20/16	CE	SW8081B
Dieldrin	ND	4.4	4.4	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan I	ND	8.7	8.7	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan II	ND	8.7	8.7	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan sulfate	ND	8.7	8.7	ug/Kg	2	01/20/16	CE	SW8081B
Endrin	ND	8.7	8.7	ug/Kg	2	01/20/16	CE	SW8081B
Endrin aldehyde	ND	8.7	8.7	ug/Kg	2	01/20/16	CE	SW8081B
Endrin ketone	ND	8.7	8.7	ug/Kg	2	01/20/16	CE	SW8081B
g-BHC	ND	1.7	1.7	ug/Kg	2	01/20/16	CE	SW8081B
g-Chlordane	ND	4.4	4.4	ug/Kg	2	01/20/16	CE	SW8081B
Heptachlor	ND	8.7	8.7	ug/Kg	2	01/20/16	CE	SW8081B
Heptachlor epoxide	ND	8.7	8.7	ug/Kg	2	01/20/16	CE	SW8081B
Methoxychlor	ND	44	44	ug/Kg	2	01/20/16	CE	SW8081B
Toxaphene	ND	170	170	ug/Kg	2	01/20/16	CE	SW8081B
QA/QC Surrogates								
% DCBP	57			%	2	01/20/16	CE	30 - 150 %
% TCMX	54			%	2	01/20/16	CE	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B4 0-2

Phoenix I.D.: BK54418

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1-Dichloropropene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromoethane	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloroethane	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloropropane	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichloropropane	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
2,2-Dichloropropane	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Chlorotoluene	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Hexanone	ND		25	5.1	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Isopropyltoluene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	1
4-Chlorotoluene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND		25	5.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Acetone	18	JS	50	5.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		10	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Benzene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromobenzene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromochloromethane	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromodichloromethane	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromoform	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromomethane	ND		5.1	2.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon Disulfide	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon tetrachloride	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Chlorobenzene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroethane	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroform	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloromethane	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromochloromethane	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromomethane	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Dichlorodifluoromethane	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Ethylbenzene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Hexachlorobutadiene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Isopropylbenzene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
m&p-Xylene	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND		30	5.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		10	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Methylene chloride	ND		5.1	5.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Naphthalene	ND		5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
n-Butylbenzene	ND		5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	5.1	0.91	ug/Kg	1	01/20/16	JLI	SW8260C	
o-Xylene	ND	5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
p-Isopropyltoluene	ND	5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
sec-Butylbenzene	ND	5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Styrene	ND	5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
tert-Butylbenzene	ND	5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrachloroethene	ND	5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	10	2.5	ug/Kg	1	01/20/16	JLI	SW8260C	1
Toluene	ND	5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	10	2.5	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichloroethene	ND	5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorofluoromethane	ND	5.1	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Vinyl chloride	ND	5.1	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96			%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	1	01/20/16	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	91			%	1	01/20/16	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	100	41	ug/kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	96			%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	98			%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	91			%	1	01/20/16	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrolein	ND	20	2.5	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND	20	0.51	ug/Kg	1	01/20/16	JLI	SW8260C	
Tert-butyl alcohol	ND	100	20	ug/Kg	1	01/20/16	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	300	150	ug/Kg	1	01/20/16	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	300	130	ug/Kg	1	01/20/16	DD	SW8270D	
1,2-Dichlorobenzene	ND	300	120	ug/Kg	1	01/20/16	DD	SW8270D	
1,2-Diphenylhydrazine	ND	300	140	ug/Kg	1	01/20/16	DD	SW8270D	
1,3-Dichlorobenzene	ND	300	130	ug/Kg	1	01/20/16	DD	SW8270D	
1,4-Dichlorobenzene	ND	300	130	ug/Kg	1	01/20/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND	300	240	ug/Kg	1	01/20/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND	300	140	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dichlorophenol	ND	300	150	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dimethylphenol	ND	300	110	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dinitrophenol	ND	870	300	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dinitrotoluene	ND	300	170	ug/Kg	1	01/20/16	DD	SW8270D	
2,6-Dinitrotoluene	ND	300	140	ug/Kg	1	01/20/16	DD	SW8270D	
2-Chloronaphthalene	ND	300	120	ug/Kg	1	01/20/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B4 0-2

Phoenix I.D.: BK54418

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Chlorophenol	ND		300	120	ug/Kg	1	01/20/16	DD	SW8270D	
2-Methylnaphthalene	ND		300	130	ug/Kg	1	01/20/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		300	200	ug/Kg	1	01/20/16	DD	SW8270D	
2-Nitroaniline	ND		870	440	ug/Kg	1	01/20/16	DD	SW8270D	
2-Nitrophenol	ND		300	280	ug/Kg	1	01/20/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		300	170	ug/Kg	1	01/20/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND		870	210	ug/Kg	1	01/20/16	DD	SW8270D	
3-Nitroaniline	ND		870	870	ug/Kg	1	01/20/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		2200	470	ug/Kg	1	01/20/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		300	130	ug/Kg	1	01/20/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND		300	150	ug/Kg	1	01/20/16	DD	SW8270D	
4-Chloroaniline	ND		350	200	ug/Kg	1	01/20/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		300	150	ug/Kg	1	01/20/16	DD	SW8270D	
4-Nitroaniline	ND		870	150	ug/Kg	1	01/20/16	DD	SW8270D	
4-Nitrophenol	ND		440	200	ug/Kg	1	01/20/16	DD	SW8270D	
Acenaphthene	ND		300	130	ug/Kg	1	01/20/16	DD	SW8270D	
Acenaphthylene	ND		300	120	ug/Kg	1	01/20/16	DD	SW8270D	
Acetophenone	ND		300	140	ug/Kg	1	01/20/16	DD	SW8270D	
Aniline	ND		350	350	ug/Kg	1	01/20/16	DD	SW8270D	
Anthracene	230	J	300	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benz(a)anthracene	680		300	150	ug/Kg	1	01/20/16	DD	SW8270D	
Benzidine	ND		870	260	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(a)pyrene	580		300	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(b)fluoranthene	520		300	150	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(ghi)perylene	350		300	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(k)fluoranthene	530		300	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzoic acid	ND		2200	870	ug/Kg	1	01/20/16	DD	SW8270D	1
Benzyl butyl phthalate	ND		300	110	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		300	120	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		300	120	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		300	120	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		300	130	ug/Kg	1	01/20/16	DD	SW8270D	
Carbazole	ND		2200	330	ug/Kg	1	01/20/16	DD	SW8270D	
Chrysene	680		300	150	ug/Kg	1	01/20/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND		300	140	ug/Kg	1	01/20/16	DD	SW8270D	
Dibenzofuran	ND		300	130	ug/Kg	1	01/20/16	DD	SW8270D	
Diethyl phthalate	ND		300	140	ug/Kg	1	01/20/16	DD	SW8270D	
Dimethylphthalate	ND		300	130	ug/Kg	1	01/20/16	DD	SW8270D	
Di-n-butylphthalate	ND		300	120	ug/Kg	1	01/20/16	DD	SW8270D	
Di-n-octylphthalate	ND		300	110	ug/Kg	1	01/20/16	DD	SW8270D	
Fluoranthene	1300		300	140	ug/Kg	1	01/20/16	DD	SW8270D	
Fluorene	ND		300	140	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachlorobenzene	ND		300	130	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachlorobutadiene	ND		300	160	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND		300	130	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachloroethane	ND		300	130	ug/Kg	1	01/20/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	380		300	140	ug/Kg	1	01/20/16	DD	SW8270D	
Isophorone	ND		300	120	ug/Kg	1	01/20/16	DD	SW8270D	
Naphthalene	ND		300	130	ug/Kg	1	01/20/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B4 0-2

Phoenix I.D.: BK54418

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	300	150	ug/Kg	1	01/20/16	DD	SW8270D
N-Nitrosodimethylamine	ND	300	120	ug/Kg	1	01/20/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	300	140	ug/Kg	1	01/20/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	300	170	ug/Kg	1	01/20/16	DD	SW8270D
Pentachloronitrobenzene	ND	300	160	ug/Kg	1	01/20/16	DD	SW8270D
Pentachlorophenol	ND	300	160	ug/Kg	1	01/20/16	DD	SW8270D
Phenanthrene	920	300	120	ug/Kg	1	01/20/16	DD	SW8270D
Phenol	ND	300	140	ug/Kg	1	01/20/16	DD	SW8270D
Pyrene	1200	300	150	ug/Kg	1	01/20/16	DD	SW8270D
Pyridine	ND	300	110	ug/Kg	1	01/20/16	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	55			%	1	01/20/16	DD	30 - 130 %
% 2-Fluorobiphenyl	67			%	1	01/20/16	DD	30 - 130 %
% 2-Fluorophenol	47			%	1	01/20/16	DD	30 - 130 %
% Nitrobenzene-d5	64			%	1	01/20/16	DD	30 - 130 %
% Phenol-d5	54			%	1	01/20/16	DD	30 - 130 %
% Terphenyl-d14	75			%	1	01/20/16	DD	30 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
January 25, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 25, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	01/15/16	11:00
Location Code:	EBC	Received by:	LB	01/19/16	14:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK54412
Phoenix ID: BK54419

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B4 8-10

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.46		0.46	0.46	mg/Kg	1	01/20/16	LK	SW6010C	
Aluminum	12300		46	9.1	mg/Kg	10	01/20/16	LK	SW6010C	
Arsenic	3.9		0.9	0.91	mg/Kg	1	01/20/16	LK	SW6010C	
Barium	110		0.9	0.46	mg/Kg	1	01/20/16	LK	SW6010C	
Beryllium	0.49		0.37	0.18	mg/Kg	1	01/20/16	LK	SW6010C	
Calcium	2700		4.6	4.2	mg/Kg	1	01/20/16	LK	SW6010C	
Cadmium	< 0.46		0.46	0.18	mg/Kg	1	01/20/16	LK	SW6010C	
Cobalt	6.65		0.46	0.46	mg/Kg	1	01/20/16	LK	SW6010C	
Chromium	19.7		0.46	0.46	mg/Kg	1	01/20/16	LK	SW6010C	
Copper	20.0		0.46	0.46	mg/kg	1	01/20/16	LK	SW6010C	B
Iron	17300		46	46	mg/Kg	10	01/20/16	LK	SW6010C	
Mercury	0.55	N	0.03	0.02	mg/Kg	1	01/20/16	RS	SW7471B	
Potassium	1100		9	3.6	mg/Kg	1	01/20/16	LK	SW6010C	
Magnesium	2190		4.6	4.6	mg/Kg	1	01/20/16	LK	SW6010C	
Manganese	218		4.6	4.6	mg/Kg	10	01/20/16	LK	SW6010C	
Sodium	111		9	3.9	mg/Kg	1	01/20/16	LK	SW6010C	
Nickel	10.7		0.46	0.46	mg/Kg	1	01/20/16	LK	SW6010C	
Lead	83.3		0.9	0.46	mg/Kg	1	01/20/16	LK	SW6010C	B
Antimony	< 2.3		2.3	2.3	mg/Kg	1	01/20/16	LK	SW6010C	
Selenium	< 1.8		1.8	1.6	mg/Kg	1	01/20/16	LK	SW6010C	
Thallium	< 1.8		1.8	1.8	mg/Kg	1	01/20/16	LK	SW6010C	
Vanadium	26.8		0.5	0.46	mg/Kg	1	01/20/16	LK	SW6010C	
Zinc	74.3		0.9	0.46	mg/Kg	1	01/20/16	LK	SW6010C	
Percent Solid	77				%		01/19/16	W	SW846-%Solid	
Soil Extraction for PCB	Completed						01/19/16	BB	SW3545A	
Soil Extraction for Pest	Completed						01/19/16	BB	SW3545A	
Soil Extraction for SVOA	Completed						01/19/16	JJ/CKV	SW3545A	
Mercury Digestion	Completed						01/20/16	W/W	SW7471B	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B4 8-10

Phoenix I.D.: BK54419

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/19/16	G/AG	SW3050B
Field Extraction	Completed					01/15/16		SW5035A
Polychlorinated Biphenyls								
PCB-1016	ND	43	43	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1221	ND	43	43	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1232	ND	43	43	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1242	ND	43	43	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1248	ND	43	43	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1254	ND	43	43	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1260	ND	43	43	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1262	ND	43	43	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1268	ND	43	43	ug/Kg	2	01/21/16	AW	SW8082A
QA/QC Surrogates								
% DCBP	82			%	2	01/21/16	AW	30 - 150 %
% TCMX	74			%	2	01/21/16	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.6	2.6	ug/Kg	2	01/21/16	CE	SW8081B
4,4' -DDE	ND	2.6	2.6	ug/Kg	2	01/21/16	CE	SW8081B
4,4' -DDT	ND	2.6	2.6	ug/Kg	2	01/21/16	CE	SW8081B
a-BHC	ND	8.6	8.6	ug/Kg	2	01/21/16	CE	SW8081B
a-Chlordane	ND	4.3	4.3	ug/Kg	2	01/21/16	CE	SW8081B
Aldrin	ND	4.3	4.3	ug/Kg	2	01/21/16	CE	SW8081B
b-BHC	ND	8.6	8.6	ug/Kg	2	01/21/16	CE	SW8081B
Chlordane	ND	43	43	ug/Kg	2	01/21/16	CE	SW8081B
d-BHC	ND	8.6	8.6	ug/Kg	2	01/21/16	CE	SW8081B
Dieldrin	ND	4.3	4.3	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan I	ND	8.6	8.6	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan II	ND	8.6	8.6	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan sulfate	ND	8.6	8.6	ug/Kg	2	01/21/16	CE	SW8081B
Endrin	ND	8.6	8.6	ug/Kg	2	01/21/16	CE	SW8081B
Endrin aldehyde	ND	8.6	8.6	ug/Kg	2	01/21/16	CE	SW8081B
Endrin ketone	ND	8.6	8.6	ug/Kg	2	01/21/16	CE	SW8081B
g-BHC	ND	1.7	1.7	ug/Kg	2	01/21/16	CE	SW8081B
g-Chlordane	ND	4.3	4.3	ug/Kg	2	01/21/16	CE	SW8081B
Heptachlor	ND	8.6	8.6	ug/Kg	2	01/21/16	CE	SW8081B
Heptachlor epoxide	ND	8.6	8.6	ug/Kg	2	01/21/16	CE	SW8081B
Methoxychlor	ND	43	43	ug/Kg	2	01/21/16	CE	SW8081B
Toxaphene	ND	170	170	ug/Kg	2	01/21/16	CE	SW8081B
QA/QC Surrogates								
% DCBP	78			%	2	01/21/16	CE	30 - 150 %
% TCMX	61			%	2	01/21/16	CE	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C
1,1-Dichloroethane	ND	4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B4 8-10

Phoenix I.D.: BK54419

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1-Dichloropropene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromoethane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloroethane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloropropane	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichloropropane	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
2,2-Dichloropropane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Chlorotoluene	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Hexanone	ND		21	4.2	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Isopropyltoluene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	1
4-Chlorotoluene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND		21	4.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Acetone	38	JS	42	4.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Benzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromobenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromochloromethane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromodichloromethane	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromoform	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromomethane	ND		4.2	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon Disulfide	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon tetrachloride	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Chlorobenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroethane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroform	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloromethane	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromochloromethane	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromomethane	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Ethylbenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Hexachlorobutadiene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Isopropylbenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
m&p-Xylene	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl Ethyl Ketone	7.3	J	25	4.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		8.3	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Methylene chloride	ND		4.2	4.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Naphthalene	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
n-Butylbenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND		4.2	0.75	ug/Kg	1	01/20/16	JLI	SW8260C	
o-Xylene	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
p-Isopropyltoluene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
sec-Butylbenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Styrene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
tert-Butylbenzene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrachloroethene	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		8.3	2.1	ug/Kg	1	01/20/16	JLI	SW8260C	1
Toluene	260	J	270	27	ug/Kg	50	01/20/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		8.3	2.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichloroethene	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorofluoromethane	ND		4.2	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Vinyl chloride	ND		4.2	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	92				%	1	01/20/16	JLI	70 - 130 %	
% Dibromofluoromethane	99				%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	95				%	1	01/20/16	JLI	70 - 130 %	

1,4-dioxane

1,4-dioxane	ND		83	33	ug/kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	101				%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	92				%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	95				%	1	01/20/16	JLI	70 - 130 %	

Volatiles

1,1,1,2-Tetrachloroethane	ND		17	0.83	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrolein	ND		17	2.1	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		17	0.42	ug/Kg	1	01/20/16	JLI	SW8260C	
Tert-butyl alcohol	ND		83	17	ug/Kg	1	01/20/16	JLI	SW8260C	

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND		290	150	ug/Kg	1	01/20/16	DD	SW8270D	
1,2,4-Trichlorobenzene	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
1,2-Dichlorobenzene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
1,2-Diphenylhydrazine	ND		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
1,3-Dichlorobenzene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
1,4-Dichlorobenzene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND		290	230	ug/Kg	1	01/20/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dichlorophenol	ND		290	150	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dimethylphenol	ND		290	100	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dinitrophenol	ND		840	290	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dinitrotoluene	ND		290	170	ug/Kg	1	01/20/16	DD	SW8270D	
2,6-Dinitrotoluene	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
2-Chloronaphthalene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B4 8-10

Phoenix I.D.: BK54419

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Chlorophenol	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
2-Methylnaphthalene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		290	200	ug/Kg	1	01/20/16	DD	SW8270D	
2-Nitroaniline	ND		840	420	ug/Kg	1	01/20/16	DD	SW8270D	
2-Nitrophenol	ND		290	270	ug/Kg	1	01/20/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		290	170	ug/Kg	1	01/20/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND		840	200	ug/Kg	1	01/20/16	DD	SW8270D	
3-Nitroaniline	ND		840	840	ug/Kg	1	01/20/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		2100	450	ug/Kg	1	01/20/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND		290	150	ug/Kg	1	01/20/16	DD	SW8270D	
4-Chloroaniline	ND		340	200	ug/Kg	1	01/20/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
4-Nitroaniline	ND		840	140	ug/Kg	1	01/20/16	DD	SW8270D	
4-Nitrophenol	ND		420	190	ug/Kg	1	01/20/16	DD	SW8270D	
Acenaphthene	170	J	290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Acenaphthylene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Acetophenone	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Aniline	ND		340	340	ug/Kg	1	01/20/16	DD	SW8270D	
Anthracene	390		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benz(a)anthracene	1100		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzidine	ND		840	250	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(a)pyrene	870		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(b)fluoranthene	710		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(ghi)perylene	480		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(k)fluoranthene	780		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzoic acid	ND		2100	840	ug/Kg	1	01/20/16	DD	SW8270D	1
Benzyl butyl phthalate	ND		290	110	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		290	110	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Carbazole	ND		2100	320	ug/Kg	1	01/20/16	DD	SW8270D	
Chrysene	1100		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Dibenzofuran	130	J	290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Diethyl phthalate	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Dimethylphthalate	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Di-n-butylphthalate	ND		290	110	ug/Kg	1	01/20/16	DD	SW8270D	
Di-n-octylphthalate	ND		290	110	ug/Kg	1	01/20/16	DD	SW8270D	
Fluoranthene	1900		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Fluorene	220	J	290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachlorobenzene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachlorobutadiene	ND		290	150	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachloroethane	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	540		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Isophorone	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Naphthalene	240	J	290	120	ug/Kg	1	01/20/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B4 8-10

Phoenix I.D.: BK54419

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	290	150	ug/Kg	1	01/20/16	DD	SW8270D
N-Nitrosodimethylamine	ND	290	120	ug/Kg	1	01/20/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	290	140	ug/Kg	1	01/20/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	290	160	ug/Kg	1	01/20/16	DD	SW8270D
Pentachloronitrobenzene	ND	290	160	ug/Kg	1	01/20/16	DD	SW8270D
Pentachlorophenol	ND	290	160	ug/Kg	1	01/20/16	DD	SW8270D
Phenanthrene	1500	290	120	ug/Kg	1	01/20/16	DD	SW8270D
Phenol	ND	290	130	ug/Kg	1	01/20/16	DD	SW8270D
Pyrene	1900	290	140	ug/Kg	1	01/20/16	DD	SW8270D
Pyridine	ND	290	100	ug/Kg	1	01/20/16	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	63			%	1	01/20/16	DD	30 - 130 %
% 2-Fluorobiphenyl	61			%	1	01/20/16	DD	30 - 130 %
% 2-Fluorophenol	46			%	1	01/20/16	DD	30 - 130 %
% Nitrobenzene-d5	53			%	1	01/20/16	DD	30 - 130 %
% Phenol-d5	54			%	1	01/20/16	DD	30 - 130 %
% Terphenyl-d14	76			%	1	01/20/16	DD	30 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
January 25, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 25, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	01/15/16	11:30
Location Code:	EBC	Received by:	LB	01/19/16	14:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK54412
Phoenix ID: BK54420

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B5 0-2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.40		0.40	0.40	mg/Kg	1	01/20/16	LK	SW6010C	
Aluminum	7400		40	8.0	mg/Kg	10	01/20/16	LK	SW6010C	
Arsenic	17.9		0.8	0.80	mg/Kg	1	01/20/16	LK	SW6010C	
Barium	272		0.8	0.40	mg/Kg	1	01/20/16	LK	SW6010C	
Beryllium	0.57		0.32	0.16	mg/Kg	1	01/20/16	LK	SW6010C	
Calcium	7740		4.0	3.7	mg/Kg	1	01/20/16	LK	SW6010C	
Cadmium	1.09		0.40	0.16	mg/Kg	1	01/20/16	LK	SW6010C	
Cobalt	10.3		0.40	0.40	mg/Kg	1	01/20/16	LK	SW6010C	
Chromium	21.9		0.40	0.40	mg/Kg	1	01/20/16	LK	SW6010C	
Copper	196		4.0	4.0	mg/kg	10	01/20/16	LK	SW6010C	B
Iron	28500		40	40	mg/Kg	10	01/20/16	LK	SW6010C	
Mercury	4.08	N	0.32	0.19	mg/Kg	1	01/20/16	RS	SW7471B	
Potassium	1180		8	3.1	mg/Kg	1	01/20/16	LK	SW6010C	
Magnesium	1260		4.0	4.0	mg/Kg	1	01/20/16	LK	SW6010C	
Manganese	251		4.0	4.0	mg/Kg	10	01/20/16	LK	SW6010C	
Sodium	381		8	3.4	mg/Kg	1	01/20/16	LK	SW6010C	
Nickel	20.9		0.40	0.40	mg/Kg	1	01/20/16	LK	SW6010C	
Lead	1370		8.0	4.0	mg/Kg	10	01/20/16	LK	SW6010C	B
Antimony	7.1		2.0	2.0	mg/Kg	1	01/20/16	LK	SW6010C	
Selenium	< 1.6		1.6	1.4	mg/Kg	1	01/20/16	LK	SW6010C	
Thallium	< 1.6		1.6	1.6	mg/Kg	1	01/20/16	LK	SW6010C	
Vanadium	34.9		0.4	0.40	mg/Kg	1	01/20/16	LK	SW6010C	
Zinc	460		8.0	4.0	mg/Kg	10	01/20/16	LK	SW6010C	
Percent Solid	79				%		01/19/16	W	SW846-%Solid	
Soil Extraction for PCB	Completed						01/19/16	BB	SW3545A	
Soil Extraction for Pest	Completed						01/19/16	BB	SW3545A	
Soil Extraction for SVOA	Completed						01/19/16	BJ/CKV	SW3545A	
Mercury Digestion	Completed						01/20/16	W/W	SW7471B	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B5 0-2

Phoenix I.D.: BK54420

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/19/16	G/AG	SW3050B
Field Extraction	Completed					01/15/16		SW5035A
Polychlorinated Biphenyls								
PCB-1016	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1221	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1232	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1242	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1248	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1254	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1260	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1262	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1268	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
QA/QC Surrogates								
% DCBP	77			%	2	01/21/16	AW	30 - 150 %
% TCMX	71			%	2	01/21/16	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.5	2.5	ug/Kg	2	01/20/16	CE	SW8081B
4,4' -DDE	ND	2.5	2.5	ug/Kg	2	01/20/16	CE	SW8081B
4,4' -DDT	ND	2.5	2.5	ug/Kg	2	01/20/16	CE	SW8081B
a-BHC	ND	8.3	8.3	ug/Kg	2	01/20/16	CE	SW8081B
a-Chlordane	ND	4.2	4.2	ug/Kg	2	01/20/16	CE	SW8081B
Aldrin	ND	4.2	4.2	ug/Kg	2	01/20/16	CE	SW8081B
b-BHC	ND	8.3	8.3	ug/Kg	2	01/20/16	CE	SW8081B
Chlordane	ND	42	42	ug/Kg	2	01/20/16	CE	SW8081B
d-BHC	ND	8.3	8.3	ug/Kg	2	01/20/16	CE	SW8081B
Dieldrin	ND	4.2	4.2	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan I	ND	8.3	8.3	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan II	ND	8.3	8.3	ug/Kg	2	01/20/16	CE	SW8081B
Endosulfan sulfate	ND	8.3	8.3	ug/Kg	2	01/20/16	CE	SW8081B
Endrin	ND	8.3	8.3	ug/Kg	2	01/20/16	CE	SW8081B
Endrin aldehyde	ND	8.3	8.3	ug/Kg	2	01/20/16	CE	SW8081B
Endrin ketone	ND	8.3	8.3	ug/Kg	2	01/20/16	CE	SW8081B
g-BHC	ND	1.7	1.7	ug/Kg	2	01/20/16	CE	SW8081B
g-Chlordane	ND	4.2	4.2	ug/Kg	2	01/20/16	CE	SW8081B
Heptachlor	ND	8.3	8.3	ug/Kg	2	01/20/16	CE	SW8081B
Heptachlor epoxide	ND	8.3	8.3	ug/Kg	2	01/20/16	CE	SW8081B
Methoxychlor	ND	42	42	ug/Kg	2	01/20/16	CE	SW8081B
Toxaphene	ND	170	170	ug/Kg	2	01/20/16	CE	SW8081B
QA/QC Surrogates								
% DCBP	46			%	2	01/20/16	CE	30 - 150 %
% TCMX	41			%	2	01/20/16	CE	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C
1,1-Dichloroethane	ND	6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B5 0-2

Phoenix I.D.: BK54420

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1-Dichloropropene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromoethane	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloroethane	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloropropane	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichloropropane	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
2,2-Dichloropropane	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Chlorotoluene	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Hexanone	ND		30	6.0	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Isopropyltoluene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	1
4-Chlorotoluene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND		30	6.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Acetone	17	JS	50	6.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		12	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Benzene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromobenzene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromochloromethane	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromodichloromethane	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromoform	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromomethane	ND		6.0	2.4	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon Disulfide	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon tetrachloride	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Chlorobenzene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroethane	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroform	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloromethane	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromochloromethane	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromomethane	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Dichlorodifluoromethane	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Ethylbenzene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Hexachlorobutadiene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Isopropylbenzene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
m&p-Xylene	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND		36	6.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		12	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Methylene chloride	ND		6.0	6.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Naphthalene	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
n-Butylbenzene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND		6.0	1.1	ug/Kg	1	01/20/16	JLI	SW8260C	
o-Xylene	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
p-Isopropyltoluene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
sec-Butylbenzene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Styrene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
tert-Butylbenzene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrachloroethene	1.9	J	6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND		12	3.0	ug/Kg	1	01/20/16	JLI	SW8260C	1
Toluene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND		12	3.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichloroethene	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorofluoromethane	ND		6.0	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Vinyl chloride	ND		6.0	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	95				%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	98				%	1	01/20/16	JLI	70 - 130 %	
% Dibromofluoromethane	99				%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	91				%	1	01/20/16	JLI	70 - 130 %	
1,4-dioxane										
1,4-dioxane	ND		100	48	ug/kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	95				%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	98				%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	91				%	1	01/20/16	JLI	70 - 130 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		24	1.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrolein	ND		24	3.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		24	0.60	ug/Kg	1	01/20/16	JLI	SW8260C	
Tert-butyl alcohol	ND		120	24	ug/Kg	1	01/20/16	JLI	SW8260C	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		290	150	ug/Kg	1	01/20/16	DD	SW8270D	
1,2,4-Trichlorobenzene	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
1,2-Dichlorobenzene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
1,2-Diphenylhydrazine	ND		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
1,3-Dichlorobenzene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
1,4-Dichlorobenzene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND		290	230	ug/Kg	1	01/20/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dichlorophenol	ND		290	150	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dimethylphenol	ND		290	100	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dinitrophenol	ND		840	290	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dinitrotoluene	ND		290	160	ug/Kg	1	01/20/16	DD	SW8270D	
2,6-Dinitrotoluene	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
2-Chloronaphthalene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B5 0-2

Phoenix I.D.: BK54420

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Chlorophenol	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
2-Methylnaphthalene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		290	200	ug/Kg	1	01/20/16	DD	SW8270D	
2-Nitroaniline	ND		840	420	ug/Kg	1	01/20/16	DD	SW8270D	
2-Nitrophenol	ND		290	270	ug/Kg	1	01/20/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		290	160	ug/Kg	1	01/20/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND		840	200	ug/Kg	1	01/20/16	DD	SW8270D	
3-Nitroaniline	ND		840	840	ug/Kg	1	01/20/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		2100	450	ug/Kg	1	01/20/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND		290	150	ug/Kg	1	01/20/16	DD	SW8270D	
4-Chloroaniline	ND		330	190	ug/Kg	1	01/20/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
4-Nitroaniline	ND		840	140	ug/Kg	1	01/20/16	DD	SW8270D	
4-Nitrophenol	ND		420	190	ug/Kg	1	01/20/16	DD	SW8270D	
Acenaphthene	340		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Acenaphthylene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Acetophenone	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Aniline	ND		330	330	ug/Kg	1	01/20/16	DD	SW8270D	
Anthracene	650		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benz(a)anthracene	1600		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzidine	ND		840	250	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(a)pyrene	1300		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(b)fluoranthene	1100		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(ghi)perylene	800		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(k)fluoranthene	1200		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzoic acid	ND		2100	840	ug/Kg	1	01/20/16	DD	SW8270D	1
Benzyl butyl phthalate	ND		290	110	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		290	110	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Carbazole	ND		2100	320	ug/Kg	1	01/20/16	DD	SW8270D	
Chrysene	1600		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Dibenz(a,h)anthracene	190	J	290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Dibenzofuran	260	J	290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Diethyl phthalate	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Dimethylphthalate	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Di-n-butylphthalate	ND		290	110	ug/Kg	1	01/20/16	DD	SW8270D	
Di-n-octylphthalate	ND		290	110	ug/Kg	1	01/20/16	DD	SW8270D	
Fluoranthene	3200		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Fluorene	300		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachlorobenzene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachlorobutadiene	ND		290	150	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachloroethane	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	870		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Isophorone	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Naphthalene	240	J	290	120	ug/Kg	1	01/20/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B5 0-2

Phoenix I.D.: BK54420

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	290	150	ug/Kg	1	01/20/16	DD	SW8270D
N-Nitrosodimethylamine	ND	290	120	ug/Kg	1	01/20/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	290	140	ug/Kg	1	01/20/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	290	160	ug/Kg	1	01/20/16	DD	SW8270D
Pentachloronitrobenzene	ND	290	160	ug/Kg	1	01/20/16	DD	SW8270D
Pentachlorophenol	ND	290	160	ug/Kg	1	01/20/16	DD	SW8270D
Phenanthrene	3000	290	120	ug/Kg	1	01/20/16	DD	SW8270D
Phenol	ND	290	130	ug/Kg	1	01/20/16	DD	SW8270D
Pyrene	2900	290	140	ug/Kg	1	01/20/16	DD	SW8270D
Pyridine	ND	290	100	ug/Kg	1	01/20/16	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	61			%	1	01/20/16	DD	30 - 130 %
% 2-Fluorobiphenyl	71			%	1	01/20/16	DD	30 - 130 %
% 2-Fluorophenol	48			%	1	01/20/16	DD	30 - 130 %
% Nitrobenzene-d5	67			%	1	01/20/16	DD	30 - 130 %
% Phenol-d5	58			%	1	01/20/16	DD	30 - 130 %
% Terphenyl-d14	78			%	1	01/20/16	DD	30 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
January 25, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 25, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	01/15/16	12:00
Location Code:	EBC	Received by:	LB	01/19/16	14:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK54412
Phoenix ID: BK54421

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B5 8-10

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Silver	< 0.42		0.42	0.42	mg/Kg	1	01/20/16	LK	SW6010C	
Aluminum	8540		42	8.4	mg/Kg	10	01/20/16	LK	SW6010C	
Arsenic	5.0		0.8	0.84	mg/Kg	1	01/20/16	LK	SW6010C	
Barium	112		0.8	0.42	mg/Kg	1	01/20/16	LK	SW6010C	
Beryllium	0.45		0.34	0.17	mg/Kg	1	01/20/16	LK	SW6010C	
Calcium	4280		4.2	3.9	mg/Kg	1	01/20/16	LK	SW6010C	
Cadmium	0.22	B	0.42	0.17	mg/Kg	1	01/20/16	LK	SW6010C	
Cobalt	5.67		0.42	0.42	mg/Kg	1	01/20/16	LK	SW6010C	
Chromium	16.2		0.42	0.42	mg/Kg	1	01/20/16	LK	SW6010C	
Copper	29.0		0.42	0.42	mg/kg	1	01/20/16	LK	SW6010C	B
Iron	14600		42	42	mg/Kg	10	01/20/16	LK	SW6010C	
Mercury	0.88	N	0.03	0.02	mg/Kg	1	01/20/16	RS	SW7471B	
Potassium	885		8	3.3	mg/Kg	1	01/20/16	LK	SW6010C	
Magnesium	1660		4.2	4.2	mg/Kg	1	01/20/16	LK	SW6010C	
Manganese	399		4.2	4.2	mg/Kg	10	01/20/16	LK	SW6010C	
Sodium	149		8	3.6	mg/Kg	1	01/20/16	LK	SW6010C	
Nickel	10.5		0.42	0.42	mg/Kg	1	01/20/16	LK	SW6010C	
Lead	167		0.8	0.42	mg/Kg	1	01/20/16	LK	SW6010C	B
Antimony	< 2.1		2.1	2.1	mg/Kg	1	01/20/16	LK	SW6010C	
Selenium	< 1.7		1.7	1.4	mg/Kg	1	01/20/16	LK	SW6010C	
Thallium	< 1.7		1.7	1.7	mg/Kg	1	01/20/16	LK	SW6010C	
Vanadium	21.9		0.4	0.42	mg/Kg	1	01/20/16	LK	SW6010C	
Zinc	93.6		0.8	0.42	mg/Kg	1	01/20/16	LK	SW6010C	
Percent Solid	78				%		01/19/16	W	SW846-%Solid	
Soil Extraction for PCB	Completed						01/19/16	BB	SW3545A	
Soil Extraction for Pest	Completed						01/19/16	BB	SW3545A	
Soil Extraction for SVOA	Completed						01/19/16	BJ/CKV	SW3545A	
Mercury Digestion	Completed						01/20/16	W/W	SW7471B	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B5 8-10

Phoenix I.D.: BK54421

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Total Metals Digest	Completed					01/19/16	G/AG	SW3050B
Field Extraction	Completed					01/15/16		SW5035A
Polychlorinated Biphenyls								
PCB-1016	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1221	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1232	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1242	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1248	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1254	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1260	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1262	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
PCB-1268	ND	42	42	ug/Kg	2	01/21/16	AW	SW8082A
QA/QC Surrogates								
% DCBP	94			%	2	01/21/16	AW	30 - 150 %
% TCMX	94			%	2	01/21/16	AW	30 - 150 %
Pesticides - Soil								
4,4' -DDD	ND	2.5	2.5	ug/Kg	2	01/21/16	CE	SW8081B
4,4' -DDE	ND	2.5	2.5	ug/Kg	2	01/21/16	CE	SW8081B
4,4' -DDT	ND	2.5	2.5	ug/Kg	2	01/21/16	CE	SW8081B
a-BHC	ND	8.4	8.4	ug/Kg	2	01/21/16	CE	SW8081B
a-Chlordane	ND	4.2	4.2	ug/Kg	2	01/21/16	CE	SW8081B
Aldrin	ND	4.2	4.2	ug/Kg	2	01/21/16	CE	SW8081B
b-BHC	ND	15	15	ug/Kg	2	01/21/16	CE	SW8081B
Chlordane	ND	42	42	ug/Kg	2	01/21/16	CE	SW8081B
d-BHC	ND	8.4	8.4	ug/Kg	2	01/21/16	CE	SW8081B
Dieldrin	ND	4.2	4.2	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan I	ND	8.4	8.4	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan II	ND	8.4	8.4	ug/Kg	2	01/21/16	CE	SW8081B
Endosulfan sulfate	ND	8.4	8.4	ug/Kg	2	01/21/16	CE	SW8081B
Endrin	ND	8.4	8.4	ug/Kg	2	01/21/16	CE	SW8081B
Endrin aldehyde	ND	8.4	8.4	ug/Kg	2	01/21/16	CE	SW8081B
Endrin ketone	ND	8.4	8.4	ug/Kg	2	01/21/16	CE	SW8081B
g-BHC	ND	1.7	1.7	ug/Kg	2	01/21/16	CE	SW8081B
g-Chlordane	ND	4.2	4.2	ug/Kg	2	01/21/16	CE	SW8081B
Heptachlor	ND	8.4	8.4	ug/Kg	2	01/21/16	CE	SW8081B
Heptachlor epoxide	ND	8.4	8.4	ug/Kg	2	01/21/16	CE	SW8081B
Methoxychlor	ND	42	42	ug/Kg	2	01/21/16	CE	SW8081B
Toxaphene	ND	170	170	ug/Kg	2	01/21/16	CE	SW8081B
QA/QC Surrogates								
% DCBP	92			%	2	01/21/16	CE	30 - 150 %
% TCMX	77			%	2	01/21/16	CE	30 - 150 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C
1,1-Dichloroethane	ND	4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B5 8-10

Phoenix I.D.: BK54421

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
1,1-Dichloroethene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1-Dichloropropene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromoethane	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloroethane	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloropropane	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichloropropane	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
2,2-Dichloropropane	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Chlorotoluene	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Hexanone	ND		22	4.4	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Isopropyltoluene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	1
4-Chlorotoluene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
4-Methyl-2-pentanone	ND		22	4.4	ug/Kg	1	01/20/16	JLI	SW8260C	
Acetone	25	JS	44	4.4	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND		8.7	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
Benzene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromobenzene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromochloromethane	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromodichloromethane	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromoform	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromomethane	ND		4.4	1.7	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon Disulfide	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon tetrachloride	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
Chlorobenzene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroethane	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroform	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloromethane	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromochloromethane	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromomethane	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
Dichlorodifluoromethane	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Ethylbenzene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Hexachlorobutadiene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Isopropylbenzene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
m&p-Xylene	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl Ethyl Ketone	7.6	J	26	4.4	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND		8.7	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
Methylene chloride	ND		4.4	4.4	ug/Kg	1	01/20/16	JLI	SW8260C	
Naphthalene	ND		4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
n-Butylbenzene	ND		4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
n-Propylbenzene	ND	4.4	0.78	ug/Kg	1	01/20/16	JLI	SW8260C	
o-Xylene	ND	4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
p-Isopropyltoluene	ND	4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
sec-Butylbenzene	ND	4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Styrene	ND	4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
tert-Butylbenzene	ND	4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrachloroethene	ND	4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	8.7	2.2	ug/Kg	1	01/20/16	JLI	SW8260C	1
Toluene	ND	4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	8.7	2.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichloroethene	ND	4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorofluoromethane	ND	4.4	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Vinyl chloride	ND	4.4	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94			%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	01/20/16	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	91			%	1	01/20/16	JLI	70 - 130 %	
1,4-dioxane									
1,4-dioxane	ND	87	35	ug/kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94			%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	1	01/20/16	JLI	70 - 130 %	
% Toluene-d8	91			%	1	01/20/16	JLI	70 - 130 %	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	17	0.87	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrolein	ND	17	2.2	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND	17	0.44	ug/Kg	1	01/20/16	JLI	SW8260C	
Tert-butyl alcohol	ND	87	17	ug/Kg	1	01/20/16	JLI	SW8260C	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	290	150	ug/Kg	1	01/20/16	DD	SW8270D	
1,2,4-Trichlorobenzene	ND	290	130	ug/Kg	1	01/20/16	DD	SW8270D	
1,2-Dichlorobenzene	ND	290	120	ug/Kg	1	01/20/16	DD	SW8270D	
1,2-Diphenylhydrazine	ND	290	140	ug/Kg	1	01/20/16	DD	SW8270D	
1,3-Dichlorobenzene	ND	290	120	ug/Kg	1	01/20/16	DD	SW8270D	
1,4-Dichlorobenzene	ND	290	120	ug/Kg	1	01/20/16	DD	SW8270D	
2,4,5-Trichlorophenol	ND	290	230	ug/Kg	1	01/20/16	DD	SW8270D	
2,4,6-Trichlorophenol	ND	290	130	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dichlorophenol	ND	290	150	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dimethylphenol	ND	290	100	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dinitrophenol	ND	830	290	ug/Kg	1	01/20/16	DD	SW8270D	
2,4-Dinitrotoluene	ND	290	160	ug/Kg	1	01/20/16	DD	SW8270D	
2,6-Dinitrotoluene	ND	290	130	ug/Kg	1	01/20/16	DD	SW8270D	
2-Chloronaphthalene	ND	290	120	ug/Kg	1	01/20/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B5 8-10

Phoenix I.D.: BK54421

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
2-Chlorophenol	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
2-Methylnaphthalene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
2-Methylphenol (o-cresol)	ND		290	200	ug/Kg	1	01/20/16	DD	SW8270D	
2-Nitroaniline	ND		830	420	ug/Kg	1	01/20/16	DD	SW8270D	
2-Nitrophenol	ND		290	260	ug/Kg	1	01/20/16	DD	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND		290	160	ug/Kg	1	01/20/16	DD	SW8270D	1
3,3'-Dichlorobenzidine	ND		830	200	ug/Kg	1	01/20/16	DD	SW8270D	
3-Nitroaniline	ND		830	830	ug/Kg	1	01/20/16	DD	SW8270D	
4,6-Dinitro-2-methylphenol	ND		2100	450	ug/Kg	1	01/20/16	DD	SW8270D	
4-Bromophenyl phenyl ether	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
4-Chloro-3-methylphenol	ND		290	150	ug/Kg	1	01/20/16	DD	SW8270D	
4-Chloroaniline	ND		330	190	ug/Kg	1	01/20/16	DD	SW8270D	
4-Chlorophenyl phenyl ether	ND		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
4-Nitroaniline	ND		830	140	ug/Kg	1	01/20/16	DD	SW8270D	
4-Nitrophenol	ND		420	190	ug/Kg	1	01/20/16	DD	SW8270D	
Acenaphthene	170	J	290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Acenaphthylene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Acetophenone	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Aniline	ND		330	330	ug/Kg	1	01/20/16	DD	SW8270D	
Anthracene	320		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benz(a)anthracene	700		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzidine	ND		830	240	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(a)pyrene	600		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(b)fluoranthene	480		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(ghi)perylene	340		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Benzo(k)fluoranthene	530		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Benzoic acid	ND		2100	830	ug/Kg	1	01/20/16	DD	SW8270D	1
Benzyl butyl phthalate	ND		290	110	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-chloroethoxy)methane	ND		290	110	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-chloroethyl)ether	ND		290	110	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-chloroisopropyl)ether	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Bis(2-ethylhexyl)phthalate	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Carbazole	ND		2100	310	ug/Kg	1	01/20/16	DD	SW8270D	
Chrysene	750		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Dibenz(a,h)anthracene	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Dibenzofuran	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Diethyl phthalate	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Dimethylphthalate	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Di-n-butylphthalate	ND		290	110	ug/Kg	1	01/20/16	DD	SW8270D	
Di-n-octylphthalate	ND		290	110	ug/Kg	1	01/20/16	DD	SW8270D	
Fluoranthene	1500		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Fluorene	200	J	290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachlorobenzene	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachlorobutadiene	ND		290	150	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachlorocyclopentadiene	ND		290	130	ug/Kg	1	01/20/16	DD	SW8270D	
Hexachloroethane	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Indeno(1,2,3-cd)pyrene	360		290	140	ug/Kg	1	01/20/16	DD	SW8270D	
Isophorone	ND		290	120	ug/Kg	1	01/20/16	DD	SW8270D	
Naphthalene	190	J	290	120	ug/Kg	1	01/20/16	DD	SW8270D	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: B5 8-10

Phoenix I.D.: BK54421

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Nitrobenzene	ND	290	150	ug/Kg	1	01/20/16	DD	SW8270D
N-Nitrosodimethylamine	ND	290	120	ug/Kg	1	01/20/16	DD	SW8270D
N-Nitrosodi-n-propylamine	ND	290	130	ug/Kg	1	01/20/16	DD	SW8270D
N-Nitrosodiphenylamine	ND	290	160	ug/Kg	1	01/20/16	DD	SW8270D
Pentachloronitrobenzene	ND	290	150	ug/Kg	1	01/20/16	DD	SW8270D
Pentachlorophenol	ND	290	160	ug/Kg	1	01/20/16	DD	SW8270D
Phenanthrene	1300	290	120	ug/Kg	1	01/20/16	DD	SW8270D
Phenol	ND	290	130	ug/Kg	1	01/20/16	DD	SW8270D
Pyrene	1400	290	140	ug/Kg	1	01/20/16	DD	SW8270D
Pyridine	ND	290	100	ug/Kg	1	01/20/16	DD	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	56			%	1	01/20/16	DD	30 - 130 %
% 2-Fluorobiphenyl	57			%	1	01/20/16	DD	30 - 130 %
% 2-Fluorophenol	44			%	1	01/20/16	DD	30 - 130 %
% Nitrobenzene-d5	51			%	1	01/20/16	DD	30 - 130 %
% Phenol-d5	49			%	1	01/20/16	DD	30 - 130 %
% Terphenyl-d14	69			%	1	01/20/16	DD	30 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

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

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
January 25, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 25, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	01/15/16	
Location Code:	EBC	Received by:	LB	01/19/16	14:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK54412
Phoenix ID: BK54422

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: HIGH TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed					01/15/16		SW5035A	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
1,1-Dichloroethane	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
1,1-Dichloroethene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
1,1-Dichloropropene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
1,2-Dibromoethane	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
1,2-Dichloroethane	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
1,2-Dichloropropane	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
1,3-Dichloropropane	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
2,2-Dichloropropane	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
2-Chlorotoluene	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
2-Hexanone	ND	1300	250	ug/Kg	50	01/20/16	JLI	SW8260C	
2-Isopropyltoluene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	1
4-Chlorotoluene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: HIGH TRIP BLANK

Phoenix I.D.: BK54422

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	01/20/16	JLI	SW8260C	
Acetone	ND	2500	250	ug/Kg	50	01/20/16	JLI	SW8260C	
Acrylonitrile	ND	500	50	ug/Kg	50	01/20/16	JLI	SW8260C	
Benzene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Bromobenzene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Bromochloromethane	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Bromodichloromethane	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
Bromoform	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
Bromomethane	ND	250	100	ug/Kg	50	01/20/16	JLI	SW8260C	
Carbon Disulfide	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
Carbon tetrachloride	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
Chlorobenzene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Chloroethane	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Chloroform	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Chloromethane	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Dibromochloromethane	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
Dibromomethane	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Ethylbenzene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Hexachlorobutadiene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Isopropylbenzene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
m&p-Xylene	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	1500	250	ug/Kg	50	01/20/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	01/20/16	JLI	SW8260C	
Methylene chloride	ND	250	250	ug/Kg	50	01/20/16	JLI	SW8260C	
Naphthalene	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
n-Butylbenzene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
n-Propylbenzene	ND	250	45	ug/Kg	50	01/20/16	JLI	SW8260C	
o-Xylene	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
p-Isopropyltoluene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
sec-Butylbenzene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Styrene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
tert-Butylbenzene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Tetrachloroethene	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	500	130	ug/Kg	50	01/20/16	JLI	SW8260C	1
Toluene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	500	130	ug/Kg	50	01/20/16	JLI	SW8260C	
Trichloroethene	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Trichlorofluoromethane	ND	250	50	ug/Kg	50	01/20/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
Vinyl chloride	ND	250	25	ug/Kg	50	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	95			%	50	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	50	01/20/16	JLI	70 - 130 %	
% Dibromofluoromethane	94			%	50	01/20/16	JLI	70 - 130 %	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: HIGH TRIP BLANK

Phoenix I.D.: BK54422

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	92			%	50	01/20/16	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	5000	2000	ug/kg	50	01/20/16	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	50	01/20/16	JLI	70 - 130 %
% Bromofluorobenzene	97			%	50	01/20/16	JLI	70 - 130 %
% Toluene-d8	92			%	50	01/20/16	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1000	50	ug/Kg	50	01/20/16	JLI	SW8260C
Acrolein	ND	1000	130	ug/Kg	50	01/20/16	JLI	SW8260C
Acrylonitrile	ND	1000	25	ug/Kg	50	01/20/16	JLI	SW8260C
Tert-butyl alcohol	ND	5000	1000	ug/Kg	50	01/20/16	JLI	SW8260C

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight., TRIP BLANK INCLUDED.

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

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

Phyllis Shiller, Laboratory Director
January 25, 2016
Reviewed and Released by: Ethan Lee, Project Manager

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 25, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	KW	01/15/16	
Location Code:	EBC	Received by:	LB	01/19/16	14:49
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK54412
Phoenix ID: BK54423

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: LOW TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Field Extraction	Completed					01/15/16		SW5035A	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
1,1-Dichloropropene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,3-Trichloropropane	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2,4-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3,5-Trimethylbenzene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
1,3-Dichloropropane	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
2,2-Dichloropropane	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Chlorotoluene	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Hexanone	ND	25	5.0	ug/Kg	1	01/20/16	JLI	SW8260C	
2-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	1
4-Chlorotoluene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: LOW TRIP BLANK

Phoenix I.D.: BK54423

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Acetone	ND	50	5.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Acrylonitrile	ND	10	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Benzene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromobenzene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromochloromethane	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromoform	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Bromomethane	ND	5.0	2.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon Disulfide	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Chlorobenzene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroethane	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloroform	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Chloromethane	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Dibromomethane	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Dichlorodifluoromethane	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Ethylbenzene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Hexachlorobutadiene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Isopropylbenzene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
m&p-Xylene	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl Ethyl Ketone	ND	30	5.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Methylene chloride	ND	5.0	5.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Naphthalene	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
n-Butylbenzene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
n-Propylbenzene	ND	5.0	0.90	ug/Kg	1	01/20/16	JLI	SW8260C	
o-Xylene	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
p-Isopropyltoluene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
sec-Butylbenzene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Styrene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
tert-Butylbenzene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Tetrahydrofuran (THF)	ND	10	2.5	ug/Kg	1	01/20/16	JLI	SW8260C	1
Toluene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
trans-1,4-dichloro-2-butene	ND	10	2.5	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichloroethene	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	01/20/16	JLI	SW8260C	
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	01/20/16	JLI	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	94			%	1	01/20/16	JLI	70 - 130 %	
% Bromofluorobenzene	99			%	1	01/20/16	JLI	70 - 130 %	
% Dibromofluoromethane	100			%	1	01/20/16	JLI	70 - 130 %	

Project ID: 391 MEELER AVE., BROOKLYN
Client ID: LOW TRIP BLANK

Phoenix I.D.: BK54423

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	90			%	1	01/20/16	JLI	70 - 130 %
1,4-dioxane								
1,4-dioxane	ND	100	40	ug/kg	1	01/20/16	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	94			%	1	01/20/16	JLI	70 - 130 %
% Bromofluorobenzene	99			%	1	01/20/16	JLI	70 - 130 %
% Toluene-d8	90			%	1	01/20/16	JLI	70 - 130 %
Volatiles								
1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	01/20/16	JLI	SW8260C
Acrolein	ND	20	2.5	ug/Kg	1	01/20/16	JLI	SW8260C
Acrylonitrile	ND	20	0.50	ug/Kg	1	01/20/16	JLI	SW8260C
Tert-butyl alcohol	ND	100	20	ug/Kg	1	01/20/16	JLI	SW8260C

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight., TRIP BLANK INCLUDED.

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

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

Phyllis Shiller, Laboratory Director
January 25, 2016
Reviewed and Released by: Ethan Lee, Project Manager

Sample Criteria Exceedences Report

GBK54412 - EBC

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK54412	$PCB_SMRDP	PCB-1254	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	670	38	100	100	ug/Kg
BK54412	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	50	3.3	3.3	ug/Kg
BK54412	$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	8.0	5	5	ug/Kg
BK54412	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	88.1	0.36	50	50	mg/kg
BK54412	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.24	0.03	0.73	0.73	mg/Kg
BK54412	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.24	0.03	0.81	0.81	mg/Kg
BK54412	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.24	0.03	0.81	0.81	mg/Kg
BK54412	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.24	0.03	0.18	0.18	mg/Kg
BK54412	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	462	7.3	450	450	mg/Kg
BK54412	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	462	7.3	400	400	mg/Kg
BK54412	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	462	7.3	400	400	mg/Kg
BK54412	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	462	7.3	63	63	mg/Kg
BK54412	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	310	7.9	109	109	mg/Kg
BK54413	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	91	83	50	50	ug/Kg
BK54413	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	91	83	50	50	ug/Kg
BK54413	$PCB_SMRDP	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	120	50	100	100	ug/Kg
BK54413	$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	13	3.0	3.3	3.3	ug/Kg
BK54413	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	66.9	0.53	50	50	mg/kg
BK54413	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	3.70	0.35	0.73	0.73	mg/Kg
BK54413	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	3.70	0.35	0.81	0.81	mg/Kg
BK54413	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	3.70	0.35	0.81	0.81	mg/Kg
BK54413	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	3.70	0.35	0.18	0.18	mg/Kg
BK54413	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	327	11	63	63	mg/Kg
BK54413	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	204	1.1	109	109	mg/Kg
BK54414	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1400	270	1000	1000	ug/Kg
BK54414	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1400	270	1000	1000	ug/Kg
BK54414	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1400	270	1000	1000	ug/Kg
BK54414	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1200	270	1000	1000	ug/Kg
BK54414	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	780	270	500	500	ug/Kg
BK54414	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1400	270	1000	1000	ug/Kg
BK54414	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1400	270	1000	1000	ug/Kg
BK54414	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	780	270	500	500	ug/Kg
BK54414	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	270	1000	1000	ug/Kg
BK54414	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	780	270	500	500	ug/Kg
BK54414	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	270	1000	1000	ug/Kg
BK54414	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	270	1000	1000	ug/Kg
BK54414	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	270	1000	1000	ug/Kg
BK54414	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	990	270	800	800	ug/Kg
BK54414	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	144	0.40	50	50	mg/kg
BK54414	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.75	0.28	0.73	0.73	mg/Kg

Sample Criteria Exceedences Report

GBK54412 - EBC

Criteria: NY: 375, 375GWP, 375RRS, 375RS
State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK54414	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.75	0.28	0.81	0.81	mg/Kg
BK54414	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.75	0.28	0.81	0.81	mg/Kg
BK54414	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.75	0.28	0.18	0.18	mg/Kg
BK54414	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	496	7.9	450	450	mg/Kg
BK54414	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	496	7.9	400	400	mg/Kg
BK54414	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	496	7.9	400	400	mg/Kg
BK54414	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	496	7.9	63	63	mg/Kg
BK54414	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	201	7.9	109	109	mg/Kg
BK54415	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	59	57	50	50	ug/Kg
BK54415	$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	59	57	50	50	ug/Kg
BK54415	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.73	0.03	0.18	0.18	mg/Kg
BK54415	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	71.5	0.8	63	63	mg/Kg
BK54416	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	180	3.8	50	50	mg/kg
BK54416	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	2.85	0.28	0.73	0.73	mg/Kg
BK54416	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	2.85	0.28	0.81	0.81	mg/Kg
BK54416	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	2.85	0.28	0.81	0.81	mg/Kg
BK54416	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	2.85	0.28	0.18	0.18	mg/Kg
BK54416	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	629	7.6	450	450	mg/Kg
BK54416	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	629	7.6	400	400	mg/Kg
BK54416	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	629	7.6	400	400	mg/Kg
BK54416	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	629	7.6	63	63	mg/Kg
BK54416	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	272	7.6	109	109	mg/Kg
BK54417	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	94.0	0.8	63	63	mg/Kg
BK54418	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	69.6	0.43	50	50	mg/kg
BK54418	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	1.50	0.35	0.73	0.73	mg/Kg
BK54418	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	1.50	0.35	0.81	0.81	mg/Kg
BK54418	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	1.50	0.35	0.81	0.81	mg/Kg
BK54418	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	1.50	0.35	0.18	0.18	mg/Kg
BK54418	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	550	8.5	450	450	mg/Kg
BK54418	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	550	8.5	400	400	mg/Kg
BK54418	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	550	8.5	400	400	mg/Kg
BK54418	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	550	8.5	63	63	mg/Kg
BK54418	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	638	8.5	109	109	mg/Kg
BK54419	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1100	290	1000	1000	ug/Kg
BK54419	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1100	290	1000	1000	ug/Kg
BK54419	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	540	290	500	500	ug/Kg
BK54419	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1100	290	1000	1000	ug/Kg
BK54419	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1100	290	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBK54412 - EBC

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK54419	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	540	290	500	500	ug/Kg
BK54419	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	290	1000	1000	ug/Kg
BK54419	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	540	290	500	500	ug/Kg
BK54419	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	290	1000	1000	ug/Kg
BK54419	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	290	1000	1000	ug/Kg
BK54419	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.55	0.03	0.18	0.18	mg/Kg
BK54419	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	83.3	0.9	63	63	mg/Kg
BK54420	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1600	290	1000	1000	ug/Kg
BK54420	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1600	290	1000	1000	ug/Kg
BK54420	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1600	290	1000	1000	ug/Kg
BK54420	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1100	290	1000	1000	ug/Kg
BK54420	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1600	290	1000	1000	ug/Kg
BK54420	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	870	290	500	500	ug/Kg
BK54420	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1300	290	1000	1000	ug/Kg
BK54420	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1200	290	1000	1000	ug/Kg
BK54420	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	870	290	500	500	ug/Kg
BK54420	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1100	290	1000	1000	ug/Kg
BK54420	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	290	1000	1000	ug/Kg
BK54420	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1600	290	1000	1000	ug/Kg
BK54420	$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	870	290	500	500	ug/Kg
BK54420	$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	290	1000	1000	ug/Kg
BK54420	$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	290	800	800	ug/Kg
BK54420	$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	290	1000	1000	ug/Kg
BK54420	$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	290	1000	1000	ug/Kg
BK54420	$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	290	1000	1000	ug/Kg
BK54420	AS-SM	Arsenic	NY / 375-6.8 Metals / Ground Water Protection	17.9	0.8	16	16	mg/Kg
BK54420	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential	17.9	0.8	16	16	mg/Kg
BK54420	AS-SM	Arsenic	NY / 375-6.8 Metals / Residential Restricted	17.9	0.8	16	16	mg/Kg
BK54420	AS-SM	Arsenic	NY / 375-6.8 Metals / Unrestricted Use Soil	17.9	0.8	13	13	mg/Kg
BK54420	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	196	4.0	50	50	mg/kg
BK54420	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	4.08	0.32	0.73	0.73	mg/Kg
BK54420	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	4.08	0.32	0.81	0.81	mg/Kg
BK54420	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	4.08	0.32	0.81	0.81	mg/Kg
BK54420	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	4.08	0.32	0.18	0.18	mg/Kg
BK54420	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	1370	8.0	450	450	mg/Kg
BK54420	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	1370	8.0	400	400	mg/Kg
BK54420	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	1370	8.0	400	400	mg/Kg
BK54420	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	1370	8.0	63	63	mg/Kg
BK54420	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	460	8.0	109	109	mg/Kg
BK54421	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	0.88	0.03	0.73	0.73	mg/Kg

Sample Criteria Exceedences Report

GBK54412 - EBC

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK54421	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.88	0.03	0.81	0.81	mg/Kg
BK54421	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.88	0.03	0.81	0.81	mg/Kg
BK54421	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.88	0.03	0.18	0.18	mg/Kg
BK54421	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	167	0.8	63	63	mg/Kg

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

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

NY Temperature Narration

January 25, 2016

SDG I.D.: GBK54412

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

Cooler: Yes [x] No [ ]
Coolant: IPK [x] ICE [x] No [ ]

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 °C Pg 1 of 2

Contact Options:
[ ] Fax:
[ ] Phone: 631-504-6000
[x] Email: File

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project: 341 Meeker Ave Brooklyn NY
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 1.15.16

Client Sample - Information - Identification

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC 8260	SVOC 8270	TAL metals	PEST/PCBs	Soil VOA Vials [x] methanol [x] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Baderia Bottle
54412	B1 0-2	S	1.15.16	7:30	x	x	x	x	3	1								
54413	B1 8-10	↓	↓	8:00	↓	↓	↓	↓	↓	↓								
54414	B2 0-2	↓	↓	8:30	↓	↓	↓	↓	↓	↓								
54415	B2 8-10	↓	↓	9:00	↓	↓	↓	↓	↓	↓								
54416	B3 0-2	↓	↓	9:30	↓	↓	↓	↓	↓	↓								
54417	B3 8-10	↓	↓	10:00	↓	↓	↓	↓	↓	↓								
54418	B4 0-2	↓	↓	10:30	↓	↓	↓	↓	↓	↓								
54419	B4 8-10	↓	↓	11:00	↓	↓	↓	↓	↓	↓								
54420	B5 0-2	↓	↓	11:30	↓	↓	↓	↓	↓	↓								
54421	B5 8-10	↓	↓	12:00	↓	↓	↓	↓	3	1								
54422	L: triplblank																	

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	1-19-16	10:30
[signature]	TFCuuu	1-19-16	14:49

Comments, Special Requirements or Regulations:

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[x] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] GW Criteria

NY
[ ] NY 375 GWP
[x] NY375 Unrestricted Use Soil
[x] NY375 Residential Soil
[x] Restricted/Residential
[ ] Commercial
[ ] Industrial

Data Format
[ ] Phoenix Std Report
[x] Excel
[x] PDF
[ ] GIS/Key
[x] EQuIS
[ ] NJ Hazsite EDD
[x] NY EZ EDD (ASP)
[ ] Other

Data Package
[ ] NJ Reduced Deliv. *
[x] NY Enhanced (ASP B) *
[ ] Other

State where samples were collected: NY

Cooler: Yes [x] No [ ]
Coolant: IPK [ ] ICE [x] No [ ]

PHOENIX
Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4 °C Pg 2 of 2

Contact Options:
[ ] Fax:
[ ] Phone: 631-504-6000
[ ] Email:

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project: 391 Meserole Ave Brooklyn NY
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Kevin Waters Date: 1-15-16

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOC 8260	Soil VOA Vials [ ] methanol [x] H2O	GL Soil container ( )oz	GL Soil container ( )oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Baderia Bottle
54423	lab trip blank				x	2									

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	1-18-16	10:30
[signature]	[signature]	1-19-16	14:49

Comments, Special Requirements or Regulations:

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[x] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] GW Criteria

NY
[ ] NY 375 GWP
[x] NY375 Unrestricted Use Soil
[x] NY375 Residential Soil
[x] Restricted/Residential
[ ] Commercial
[ ] Industrial

Data Format
[ ] Phoenix Std Report
[x] Excel
[x] PDF
[ ] GIS/Key
[x] EQuIS
[ ] NJ Hazsite EDD
[x] NY EZ EDD (ASP)
[ ] Other

Data Package
[ ] NJ Reduced Deliv. *
[x] NY Enhanced (ASP B) *
[ ] Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Friday, February 05, 2016

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 391 MEEKER AVE BROOKLYN NY
Sample ID#s: BK57645 - BK57649

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

February 05, 2016

SDG I.D.: GBK57645

Version 1: Analysis results minus QC and forms.

Version 2: Complete report with QC and forms.

8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/FID method 504 or 8011 to achieve this criteria.

SIM Analysis:
The lowest possible reporting limit under SIM conditions is 0.02 ug/L. The NY TOGS GA criteria for some PAHs is 0.002 ug/L. This level can not be achieved.

Toxaphene is reported to the lowest possible reporting level. The NY TOGS criteria for this compound can not be achieved.

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TG	01/22/16	
Location Code:	EBC	Received by:	SW	01/26/16	16:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK57645
Phoenix ID: BK57645

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	0.029	0.005	0.001	mg/L	1	01/28/16	EK	SW6010C
Aluminum	684	1.0	0.50	mg/L	100	01/28/16	EK	SW6010C
Arsenic - LDL	0.965	0.004	0.004	mg/L	1	01/28/16	EK	SW6010C
Barium	8.93	0.010	0.001	mg/L	1	01/28/16	EK	SW6010C
Beryllium	0.047	0.001	0.001	mg/L	1	01/28/16	EK	SW6010C
Calcium	760	0.10	0.10	mg/L	10	01/28/16	EK	SW6010C
Cadmium	0.019	0.004	0.0005	mg/L	1	01/28/16	EK	SW6010C
Cobalt	0.565	0.005	0.001	mg/L	1	01/28/16	EK	SW6010C
Chromium	1.84	0.001	0.001	mg/L	1	01/28/16	EK	SW6010C
Copper	6.01	0.050	0.010	mg/L	10	01/28/16	EK	SW6010C
Silver (Dissolved)	< 0.005	0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Aluminum (Dissolved)	< 0.011	0.011	0.0026	mg/L	1	01/27/16	EK	SW6010C
Arsenic, (Dissolved)	0.005	0.003	0.001	mg/L	1	01/27/16	EK	SW6010C
Barium (Dissolved)	0.162	0.011	0.001	mg/L	1	01/27/16	EK	SW6010C
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	1	01/27/16	EK	SW6010C
Calcium (Dissolved)	165	0.11	0.032	mg/L	10	01/27/16	EK	SW6010C
Cadmium (Dissolved)	< 0.004	0.004	0.0005	mg/L	1	01/27/16	EK	SW6010C
Cobalt, (Dissolved)	0.003	B 0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Chromium (Dissolved)	< 0.001	0.001	0.001	mg/L	1	01/27/16	EK	SW6010C
Copper, (Dissolved)	< 0.005	0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Iron, (Dissolved)	0.04	0.01	0.01	mg/L	1	01/27/16	EK	SW6010C
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	1	01/28/16	RS	SW7470A
Potassium (Dissolved)	31.8	0.1	0.1	mg/L	1	01/27/16	EK	SW6010C
Magnesium (Dissolved)	70.4	0.01	0.001	mg/L	1	01/27/16	EK	SW6010C
Manganese, (Dissolved)	0.507	0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Sodium (Dissolved)	129	1.1	1.1	mg/L	10	01/27/16	EK	SW6010C
Nickel, (Dissolved)	0.002	B 0.004	0.001	mg/L	1	01/27/16	EK	SW6010C
Lead (Dissolved)	0.002	0.002	0.001	mg/L	1	01/27/16	EK	SW6010C

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 1

Phoenix I.D.: BK57645

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	1	01/29/16	RS	SW7010	
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	1	01/27/16	RS	SW7010	
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	1	01/28/16	RS	SW7010	
Vanadium, (Dissolved)	< 0.011	0.011	0.001	mg/L	1	01/27/16	EK	SW6010C	
Zinc, (Dissolved)	0.010	B 0.011	0.001	mg/L	1	01/27/16	EK	SW6010C	
Iron	1270	1.0	1.0	mg/L	100	01/28/16	EK	SW6010C	
Mercury	< 0.0002	0.0002	0.00015	mg/L	1	01/27/16	RS	SW7470A	
Potassium	118	1.0	0.10	mg/L	10	01/28/16	EK	SW6010C	
Magnesium	219	0.10	0.10	mg/L	10	01/28/16	EK	SW6010C	
Manganese	23.5	0.50	0.10	mg/L	100	01/28/16	EK	SW6010C	
Sodium	171	1.0	0.10	mg/L	10	01/28/16	EK	SW6010C	
Nickel	1.08	0.004	0.001	mg/L	1	01/28/16	EK	SW6010C	
Lead	24.0	0.20	0.10	mg/L	100	01/28/16	EK	SW6010C	
Antimony	0.003	0.002	0.002	mg/L	1	01/29/16	RS	SW7010	
Selenium	< 0.002	0.002	0.001	mg/L	1	01/28/16	RS	SW7010	
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	1	01/28/16	RS	SW7010	
Vanadium	2.52	0.10	0.010	mg/L	10	01/28/16	EK	SW6010C	
Zinc	29.1	1.0	0.11	mg/L	100	01/28/16	EK	SW6010C	
Filtration	Completed					01/26/16	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed					01/28/16	W/W	SW7470A	
Mercury Digestion	Completed					01/27/16	W/W	SW7470A	
PCB Extraction (2 Liter)	Completed					01/26/16	BT	SW3510C	
Extraction for Pest (2 Liter)	Completed					01/26/16	BT	SW3510C	
Semi-Volatile Extraction	Completed					01/26/16	E/D/D	SW3520C	
Dissolved Metals Preparation	Completed					01/26/16	AG	SW3005A	
Total Metals Digestion	Completed					01/27/16	AG	SW3050B	
Pesticides									
4,4' -DDD	ND	0.014	0.014	ug/L	1	01/29/16	KCA	SW8081B	
4,4' -DDE	ND	0.020	0.020	ug/L	1	01/29/16	KCA	SW8081B	
4,4' -DDT	ND	0.21	0.21	ug/L	1	01/29/16	KCA	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	01/29/16	KCA	SW8081B	
a-chlordane	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Alachlor	ND	0.075	0.075	ug/L	1	01/29/16	KCA	SW8081B	1
Aldrin	ND	0.004	0.004	ug/L	1	01/29/16	KCA	SW8081B	
b-BHC	ND	0.018	0.018	ug/L	1	01/29/16	KCA	SW8081B	
Chlordane	ND	0.10	0.10	ug/L	1	01/29/16	KCA	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	1	01/29/16	KCA	SW8081B	
Dieldrin	ND	0.014	0.014	ug/L	1	01/29/16	KCA	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Endosulfan Sulfate	ND	0.040	0.040	ug/L	1	01/29/16	KCA	SW8081B	
Endrin	ND	0.025	0.025	ug/L	1	01/29/16	KCA	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	01/29/16	KCA	SW8081B	
g-chlordane	ND	0.088	0.088	ug/L	1	01/29/16	KCA	SW8081B	
Heptachlor	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Heptachlor epoxide	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Methoxychlor	ND	0.10	0.10	ug/L	1	01/29/16	KCA	SW8081B	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 1

Phoenix I.D.: BK57645

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Toxaphene	ND		0.25	0.25	ug/L	1	01/29/16	KCA	SW8081B	
QA/QC Surrogates										
%DCBP (Surrogate Rec)	118				%	1	01/29/16	KCA	SW8081B	
%TCMX (Surrogate Rec)	58				%	1	01/29/16	KCA	SW8081B	
Polychlorinated Biphenyls										
PCB-1016	ND		0.25	0.25	ug/L	5	01/28/16	AW	E608/SW8082A	
PCB-1221	ND		0.25	0.25	ug/L	5	01/28/16	AW	E608/SW8082A	
PCB-1232	ND		0.25	0.25	ug/L	5	01/28/16	AW	E608/SW8082A	
PCB-1242	ND		0.25	0.25	ug/L	5	01/28/16	AW	E608/SW8082A	
PCB-1248	ND		0.25	0.25	ug/L	5	01/28/16	AW	E608/SW8082A	
PCB-1254	2.1		0.25	0.25	ug/L	5	01/28/16	AW	E608/SW8082A	
PCB-1260	ND		0.25	0.25	ug/L	5	01/28/16	AW	E608/SW8082A	
PCB-1262	ND		0.25	0.25	ug/L	5	01/28/16	AW	E608/SW8082A	
PCB-1268	ND		0.25	0.25	ug/L	5	01/28/16	AW	E608/SW8082A	
QA/QC Surrogates										
% DCBP	Diluted Out				%	5	01/28/16	AW	30 - 150 %	
% TCMX	Diluted Out				%	5	01/28/16	AW	30 - 150 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,3-Trichloropropane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
Acetone	5.5	S	5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	01/26/16	MH	SW8260C	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 1

Phoenix I.D.: BK57645

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Bromobenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/26/16	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	01/26/16	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	82	5.0	1.3	ug/L	5	01/27/16	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	01/26/16	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	01/26/16	MH	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/26/16	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	101			%	1	01/26/16	MH	70 - 130 %	
% Bromofluorobenzene	93			%	1	01/26/16	MH	70 - 130 %	
% Dibromofluoromethane	99			%	1	01/26/16	MH	70 - 130 %	
% Toluene-d8	100			%	1	01/26/16	MH	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
1,2-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 1

Phoenix I.D.: BK57645

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
1,3-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
1,4-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	01/29/16	KCA	SW8270D
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
2-Chloronaphthalene	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
2-Chlorophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2-Methylnaphthalene	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2-Nitroaniline	ND	5.0	5.0	ug/L	1	01/29/16	KCA	SW8270D
2-Nitrophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	1	01/29/16	KCA	SW8270D
3-Nitroaniline	ND	5.0	5.0	ug/L	1	01/29/16	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
4-Chloroaniline	ND	3.5	2.3	ug/L	1	01/29/16	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D
4-Nitroaniline	ND	5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D
4-Nitrophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
Acenaphthene	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
Acetophenone	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Aniline	ND	3.5	5.0	ug/L	1	01/29/16	KCA	SW8270D
Anthracene	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Benzidine	ND	4.5	2.9	ug/L	1	01/29/16	KCA	SW8270D
Benzoic acid	ND	25	10	ug/L	1	01/29/16	KCA	SW8270D
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	01/29/16	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
Carbazole	ND	25	3.8	ug/L	1	01/29/16	KCA	SW8270D
Dibenzofuran	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
Diethyl phthalate	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Dimethylphthalate	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	01/29/16	KCA	SW8270D
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	01/29/16	KCA	SW8270D
Fluoranthene	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Fluorene	ND	5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
Isophorone	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
Naphthalene	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
N-Nitrosodimethylamine	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 1

Phoenix I.D.: BK57645

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	01/29/16	KCA	SW8270D	
Phenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D	
Pyrene	ND	5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D	
Pyridine	ND	10	1.2	ug/L	1	01/29/16	KCA	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	96			%	1	01/29/16	KCA	15 - 110 %	
% 2-Fluorobiphenyl	88			%	1	01/29/16	KCA	30 - 130 %	
% 2-Fluorophenol	46			%	1	01/29/16	KCA	15 - 110 %	
% Nitrobenzene-d5	68			%	1	01/29/16	KCA	30 - 130 %	
% Phenol-d5	62			%	1	01/29/16	KCA	15 - 110 %	
% Terphenyl-d14	102			%	1	01/29/16	KCA	30 - 130 %	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Acenaphthylene	ND	0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benz(a)anthracene	0.26	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(a)pyrene	0.28	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(b)fluoranthene	0.20	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(ghi)perylene	0.09	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(k)fluoranthene	0.19	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Chrysene	0.22	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Dibenz(a,h)anthracene	ND	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.40	0.40	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Hexachloroethane	ND	0.50	0.50	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	0.13	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Nitrobenzene	ND	0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Pentachlorophenol	ND	0.80	0.80	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Phenanthrene	0.42	0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	126			%	1	01/29/16	KCA	15 - 110 %	3
% 2-Fluorobiphenyl	83			%	1	01/29/16	KCA	30 - 130 %	
% 2-Fluorophenol	54			%	1	01/29/16	KCA	15 - 110 %	
% Nitrobenzene-d5	81			%	1	01/29/16	KCA	30 - 130 %	
% Phenol-d5	75			%	1	01/29/16	KCA	15 - 110 %	
% Terphenyl-d14	116			%	1	01/29/16	KCA	30 - 130 %	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 1

Phoenix I.D.: BK57645

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Pesticide Comment:
Due to matrix interference caused by the presence of PCBs in the sample, an elevated RL was reported.

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
February 05, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TG	01/22/16	
Location Code:	EBC	Received by:	SW	01/26/16	16:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK57645
Phoenix ID: BK57646

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 2

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.005		0.005	0.001	mg/L	1	01/28/16	EK	SW6010C
Aluminum	4.13		0.010	0.005	mg/L	1	01/28/16	EK	SW6010C
Arsenic - LDL	0.006		0.004	0.004	mg/L	1	01/28/16	EK	SW6010C
Barium	0.236		0.010	0.001	mg/L	1	01/28/16	EK	SW6010C
Beryllium	< 0.001		0.001	0.001	mg/L	1	01/28/16	EK	SW6010C
Calcium	174		0.10	0.10	mg/L	10	01/28/16	EK	SW6010C
Cadmium	0.001	B	0.004	0.0005	mg/L	1	01/28/16	EK	SW6010C
Cobalt	0.003	B	0.005	0.001	mg/L	1	01/28/16	EK	SW6010C
Chromium	0.008		0.001	0.001	mg/L	1	01/28/16	EK	SW6010C
Copper	0.013		0.005	0.001	mg/L	1	01/28/16	EK	SW6010C
Silver (Dissolved)	< 0.005		0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Aluminum (Dissolved)	0.011	B	0.011	0.005	mg/L	1	01/28/16	EK	SW6010C
Arsenic, (Dissolved)	< 0.003		0.003	0.001	mg/L	1	01/27/16	EK	SW6010C
Barium (Dissolved)	0.116		0.011	0.001	mg/L	1	01/27/16	EK	SW6010C
Beryllium (Dissolved)	< 0.001		0.001	0.001	mg/L	1	01/27/16	EK	SW6010C
Calcium (Dissolved)	199		0.11	0.032	mg/L	10	01/27/16	EK	SW6010C
Cadmium (Dissolved)	< 0.004		0.004	0.0005	mg/L	1	01/27/16	EK	SW6010C
Cobalt, (Dissolved)	< 0.005		0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Chromium (Dissolved)	< 0.001		0.001	0.001	mg/L	1	01/27/16	EK	SW6010C
Copper, (Dissolved)	< 0.005		0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Iron, (Dissolved)	0.02		0.01	0.01	mg/L	1	01/27/16	EK	SW6010C
Mercury (Dissolved)	< 0.0002		0.0002	0.00015	mg/L	1	01/28/16	RS	SW7470A
Potassium (Dissolved)	44.4		0.1	0.1	mg/L	1	01/27/16	EK	SW6010C
Magnesium (Dissolved)	23.5		0.01	0.001	mg/L	1	01/27/16	EK	SW6010C
Manganese, (Dissolved)	0.751		0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Sodium (Dissolved)	61.5		1.1	1.1	mg/L	10	01/27/16	EK	SW6010C
Nickel, (Dissolved)	< 0.004		0.004	0.001	mg/L	1	01/27/16	EK	SW6010C
Lead (Dissolved)	< 0.002		0.002	0.001	mg/L	1	01/27/16	EK	SW6010C

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 2

Phoenix I.D.: BK57646

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	1	01/29/16	RS	SW7010	
Selenium, (Dissolved)	0.003	B 0.004	0.002	mg/L	1	01/27/16	RS	SW7010	
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	1	01/28/16	RS	SW7010	
Vanadium, (Dissolved)	< 0.011	0.011	0.001	mg/L	1	01/27/16	EK	SW6010C	
Zinc, (Dissolved)	0.002	B 0.011	0.001	mg/L	1	01/27/16	EK	SW6010C	
Iron	26.1	0.01	0.01	mg/L	1	01/28/16	EK	SW6010C	
Mercury	< 0.0002	0.0002	0.00015	mg/L	1	01/27/16	RS	SW7470A	
Potassium	51.7	1.0	0.10	mg/L	10	01/28/16	EK	SW6010C	
Magnesium	21.4	0.01	0.01	mg/L	1	01/28/16	EK	SW6010C	
Manganese	0.991	0.005	0.001	mg/L	1	01/28/16	EK	SW6010C	
Sodium	62.2	1.0	0.10	mg/L	10	01/28/16	EK	SW6010C	
Nickel	0.005	0.004	0.001	mg/L	1	01/28/16	EK	SW6010C	
Lead	0.083	0.002	0.001	mg/L	1	01/28/16	EK	SW6010C	
Antimony	< 0.002	0.002	0.002	mg/L	1	01/29/16	RS	SW7010	
Selenium	< 0.002	0.002	0.001	mg/L	1	01/28/16	RS	SW7010	
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	1	01/28/16	RS	SW7010	
Vanadium	0.010	0.010	0.001	mg/L	1	01/28/16	EK	SW6010C	
Zinc	0.042	0.010	0.0011	mg/L	1	01/28/16	EK	SW6010C	
Filtration	Completed					01/26/16	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed					01/28/16	W/W	SW7470A	
Mercury Digestion	Completed					01/27/16	W/W	SW7470A	
PCB Extraction (2 Liter)	Completed					01/26/16	BT	SW3510C	
Extraction for Pest (2 Liter)	Completed					01/26/16	BT	SW3510C	
Semi-Volatile Extraction	Completed					01/26/16	E/D/D	SW3520C	
Dissolved Metals Preparation	Completed					01/26/16	AG	SW3005A	
Total Metals Digestion	Completed					01/27/16	AG	SW3050B	
Pesticides									
4,4' -DDD	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
4,4' -DDE	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
4,4' -DDT	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	01/29/16	KCA	SW8081B	
a-chlordane	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Alachlor	ND	0.075	0.075	ug/L	1	01/29/16	KCA	SW8081B	1
Aldrin	ND	0.004	0.004	ug/L	1	01/29/16	KCA	SW8081B	
b-BHC	ND	0.015	0.015	ug/L	1	01/29/16	KCA	SW8081B	
Chlordane	ND	0.050	0.050	ug/L	1	01/29/16	KCA	SW8081B	
d-BHC	ND	0.007	0.007	ug/L	1	01/29/16	KCA	SW8081B	
Dieldrin	ND	0.002	0.002	ug/L	1	01/29/16	KCA	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Endrin	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	01/29/16	KCA	SW8081B	
g-chlordane	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Heptachlor	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Heptachlor epoxide	ND	0.010	0.010	ug/L	1	01/29/16	KCA	SW8081B	
Methoxychlor	ND	0.10	0.10	ug/L	1	01/29/16	KCA	SW8081B	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 2

Phoenix I.D.: BK57646

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Toxaphene	ND		0.25	0.25	ug/L	1	01/29/16	KCA	SW8081B	
QA/QC Surrogates										
%DCBP (Surrogate Rec)	59				%	1	01/29/16	KCA	SW8081B	
%TCMX (Surrogate Rec)	77				%	1	01/29/16	KCA	SW8081B	
Polychlorinated Biphenyls										
PCB-1016	ND		0.050	0.050	ug/L	1	01/27/16	AW	E608/SW8082A	
PCB-1221	ND		0.050	0.050	ug/L	1	01/27/16	AW	E608/SW8082A	
PCB-1232	ND		0.050	0.050	ug/L	1	01/27/16	AW	E608/SW8082A	
PCB-1242	ND		0.050	0.050	ug/L	1	01/27/16	AW	E608/SW8082A	
PCB-1248	ND		0.050	0.050	ug/L	1	01/27/16	AW	E608/SW8082A	
PCB-1254	ND		0.050	0.050	ug/L	1	01/27/16	AW	E608/SW8082A	
PCB-1260	ND		0.050	0.050	ug/L	1	01/27/16	AW	E608/SW8082A	
PCB-1262	ND		0.050	0.050	ug/L	1	01/27/16	AW	E608/SW8082A	
PCB-1268	ND		0.050	0.050	ug/L	1	01/27/16	AW	E608/SW8082A	
QA/QC Surrogates										
% DCBP	51				%	1	01/27/16	AW	30 - 150 %	
% TCMX	68				%	1	01/27/16	AW	30 - 150 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,3-Trichloropropane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
Acetone	5.7	S	5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	01/26/16	MH	SW8260C	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 2

Phoenix I.D.: BK57646

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Bromobenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/26/16	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	01/26/16	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	2.8	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	01/26/16	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	01/26/16	MH	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/26/16	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	103			%	1	01/26/16	MH	70 - 130 %	
% Bromofluorobenzene	94			%	1	01/26/16	MH	70 - 130 %	
% Dibromofluoromethane	96			%	1	01/26/16	MH	70 - 130 %	
% Toluene-d8	100			%	1	01/26/16	MH	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D	
1,2-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 2

Phoenix I.D.: BK57646

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
1,3-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
1,4-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	01/29/16	KCA	SW8270D
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
2-Chloronaphthalene	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
2-Chlorophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2-Methylnaphthalene	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2-Nitroaniline	ND	5.0	5.0	ug/L	1	01/29/16	KCA	SW8270D
2-Nitrophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	1	01/29/16	KCA	SW8270D
3-Nitroaniline	ND	5.0	5.0	ug/L	1	01/29/16	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
4-Chloroaniline	ND	3.5	2.3	ug/L	1	01/29/16	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D
4-Nitroaniline	ND	5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D
4-Nitrophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
Acenaphthene	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
Acetophenone	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Aniline	ND	3.5	5.0	ug/L	1	01/29/16	KCA	SW8270D
Anthracene	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Benzidine	ND	4.5	2.9	ug/L	1	01/29/16	KCA	SW8270D
Benzoic acid	ND	25	10	ug/L	1	01/29/16	KCA	SW8270D
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	01/29/16	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
Carbazole	ND	25	3.8	ug/L	1	01/29/16	KCA	SW8270D
Dibenzofuran	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
Diethyl phthalate	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Dimethylphthalate	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	01/29/16	KCA	SW8270D
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	01/29/16	KCA	SW8270D
Fluoranthene	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Fluorene	ND	5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
Isophorone	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
Naphthalene	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
N-Nitrosodimethylamine	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 2

Phoenix I.D.: BK57646

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	01/29/16	KCA	SW8270D	
Phenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D	
Pyrene	ND	5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D	
Pyridine	ND	10	1.2	ug/L	1	01/29/16	KCA	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	97			%	1	01/29/16	KCA	15 - 110 %	
% 2-Fluorobiphenyl	87			%	1	01/29/16	KCA	30 - 130 %	
% 2-Fluorophenol	51			%	1	01/29/16	KCA	15 - 110 %	
% Nitrobenzene-d5	75			%	1	01/29/16	KCA	30 - 130 %	
% Phenol-d5	64			%	1	01/29/16	KCA	15 - 110 %	
% Terphenyl-d14	105			%	1	01/29/16	KCA	30 - 130 %	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Acenaphthylene	ND	0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benz(a)anthracene	0.07	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(a)pyrene	0.07	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(b)fluoranthene	0.05	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(ghi)perylene	0.03	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(k)fluoranthene	0.06	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Chrysene	0.06	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Dibenz(a,h)anthracene	0.02	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.40	0.40	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Hexachloroethane	ND	0.50	0.50	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	0.05	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Nitrobenzene	ND	0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Pentachlorophenol	ND	0.80	0.80	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Phenanthrene	ND	0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	120			%	1	01/29/16	KCA	15 - 110 %	3
% 2-Fluorobiphenyl	88			%	1	01/29/16	KCA	30 - 130 %	
% 2-Fluorophenol	61			%	1	01/29/16	KCA	15 - 110 %	
% Nitrobenzene-d5	91			%	1	01/29/16	KCA	30 - 130 %	
% Phenol-d5	79			%	1	01/29/16	KCA	15 - 110 %	
% Terphenyl-d14	114			%	1	01/29/16	KCA	30 - 130 %	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 2

Phoenix I.D.: BK57646

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
February 05, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TG	01/22/16	
Location Code:	EBC	Received by:	SW	01/26/16	16:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK57645
Phoenix ID: BK57647

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.005	0.005	0.001	mg/L	1	01/28/16	EK	SW6010C
Aluminum	5.81	0.010	0.005	mg/L	1	01/28/16	EK	SW6010C
Arsenic - LDL	< 0.004	0.004	0.004	mg/L	1	01/28/16	EK	SW6010C
Barium	0.235	0.010	0.001	mg/L	1	01/28/16	EK	SW6010C
Beryllium	< 0.001	0.001	0.001	mg/L	1	01/28/16	EK	SW6010C
Calcium	275	0.10	0.10	mg/L	10	01/28/16	EK	SW6010C
Cadmium	0.001	B 0.004	0.0005	mg/L	1	01/28/16	EK	SW6010C
Cobalt	0.004	B 0.005	0.001	mg/L	1	01/28/16	EK	SW6010C
Chromium	0.011	0.001	0.001	mg/L	1	01/28/16	EK	SW6010C
Copper	0.024	0.005	0.001	mg/L	1	01/28/16	EK	SW6010C
Silver (Dissolved)	< 0.005	0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Aluminum (Dissolved)	< 0.011	0.011	0.0026	mg/L	1	01/27/16	EK	SW6010C
Arsenic, (Dissolved)	< 0.003	0.003	0.001	mg/L	1	01/27/16	EK	SW6010C
Barium (Dissolved)	0.128	0.011	0.001	mg/L	1	01/27/16	EK	SW6010C
Beryllium (Dissolved)	< 0.001	0.001	0.001	mg/L	1	01/27/16	EK	SW6010C
Calcium (Dissolved)	295	0.11	0.032	mg/L	10	01/27/16	EK	SW6010C
Cadmium (Dissolved)	< 0.004	0.004	0.0005	mg/L	1	01/27/16	EK	SW6010C
Cobalt, (Dissolved)	< 0.005	0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Chromium (Dissolved)	< 0.001	0.001	0.001	mg/L	1	01/27/16	EK	SW6010C
Copper, (Dissolved)	< 0.005	0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Iron, (Dissolved)	0.23	0.01	0.01	mg/L	1	01/27/16	EK	SW6010C
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	1	01/28/16	RS	SW7470A
Potassium (Dissolved)	35.2	0.1	0.1	mg/L	1	01/27/16	EK	SW6010C
Magnesium (Dissolved)	20.4	0.01	0.001	mg/L	1	01/27/16	EK	SW6010C
Manganese, (Dissolved)	1.54	0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Sodium (Dissolved)	65.6	1.1	1.1	mg/L	10	01/27/16	EK	SW6010C
Nickel, (Dissolved)	0.001	B 0.004	0.001	mg/L	1	01/27/16	EK	SW6010C
Lead (Dissolved)	< 0.002	0.002	0.001	mg/L	1	01/27/16	EK	SW6010C

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 3

Phoenix I.D.: BK57647

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	1	01/29/16	RS	SW7010	
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	1	01/27/16	RS	SW7010	
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	1	01/28/16	RS	SW7010	
Vanadium, (Dissolved)	< 0.011	0.011	0.001	mg/L	1	01/27/16	EK	SW6010C	
Zinc, (Dissolved)	0.004	B 0.011	0.001	mg/L	1	01/27/16	EK	SW6010C	
Iron	27.6	0.01	0.01	mg/L	1	01/28/16	EK	SW6010C	
Mercury	< 0.0002	0.0002	0.00015	mg/L	1	01/27/16	RS	SW7470A	
Potassium	44.6	0.1	0.01	mg/L	1	01/28/16	EK	SW6010C	
Magnesium	21.9	0.01	0.01	mg/L	1	01/28/16	EK	SW6010C	
Manganese	1.83	0.005	0.001	mg/L	1	01/28/16	EK	SW6010C	
Sodium	69.2	1.0	0.10	mg/L	10	01/28/16	EK	SW6010C	
Nickel	0.008	0.004	0.001	mg/L	1	01/28/16	EK	SW6010C	
Lead	0.097	0.002	0.001	mg/L	1	01/28/16	EK	SW6010C	
Antimony	< 0.002	0.002	0.002	mg/L	1	01/29/16	RS	SW7010	
Selenium	< 0.002	0.002	0.001	mg/L	1	01/28/16	RS	SW7010	
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	1	01/28/16	RS	SW7010	
Vanadium	0.014	0.010	0.001	mg/L	1	01/28/16	EK	SW6010C	
Zinc	0.050	0.010	0.0011	mg/L	1	01/28/16	EK	SW6010C	
Filtration	Completed					01/26/16	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed					01/28/16	W/W	SW7470A	
Mercury Digestion	Completed					01/27/16	W/W	SW7470A	
PCB Extraction (2 Liter)	Completed					01/26/16	BT	SW3510C	
Extraction for Pest (2 Liter)	Completed					01/26/16	BT	SW3510C	
Semi-Volatile Extraction	Completed					01/26/16	E/D/D	SW3520C	
Dissolved Metals Preparation	Completed					01/26/16	AG	SW3005A	
Total Metals Digestion	Completed					01/27/16	AG	SW3050B	
Pesticides									
4,4' -DDD	ND	0.010	0.010	ug/L	5	01/29/16	CE	SW8081B	
4,4' -DDE	ND	0.010	0.010	ug/L	5	01/29/16	CE	SW8081B	
4,4' -DDT	ND	0.010	0.010	ug/L	5	01/29/16	CE	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	5	01/29/16	CE	SW8081B	
a-chlordane	ND	0.010	0.010	ug/L	5	01/29/16	CE	SW8081B	
Alachlor	ND	0.075	0.075	ug/L	5	01/29/16	CE	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	5	01/29/16	CE	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	5	01/29/16	CE	SW8081B	
Chlordane	ND	0.050	0.050	ug/L	5	01/29/16	CE	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	5	01/29/16	CE	SW8081B	
Dieldrin	ND	0.002	0.002	ug/L	5	01/29/16	CE	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	5	01/29/16	CE	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	5	01/29/16	CE	SW8081B	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	5	01/29/16	CE	SW8081B	
Endrin	ND	0.010	0.010	ug/L	5	01/29/16	CE	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	5	01/29/16	CE	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	5	01/29/16	CE	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	5	01/29/16	CE	SW8081B	
g-chlordane	ND	0.010	0.010	ug/L	5	01/29/16	CE	SW8081B	
Heptachlor	ND	0.010	0.010	ug/L	5	01/29/16	CE	SW8081B	
Heptachlor epoxide	ND	0.010	0.010	ug/L	5	01/29/16	CE	SW8081B	
Methoxychlor	ND	0.10	0.10	ug/L	5	01/29/16	CE	SW8081B	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 3

Phoenix I.D.: BK57647

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Toxaphene	ND		0.20	0.20	ug/L	5	01/29/16	CE	SW8081B	
QA/QC Surrogates										
%DCBP (Surrogate Rec)	56				%	5	01/29/16	CE	SW8081B	
%TCMX (Surrogate Rec)	67				%	5	01/29/16	CE	SW8081B	
Polychlorinated Biphenyls										
PCB-1016	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1221	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1232	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1242	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1248	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1254	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1260	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1262	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1268	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
QA/QC Surrogates										
% DCBP	36				%	1	01/28/16	AW	30 - 150 %	
% TCMX	65				%	1	01/28/16	AW	30 - 150 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,3-Trichloropropane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
Acetone	5.4	S	5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	01/26/16	MH	SW8260C	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 3

Phoenix I.D.: BK57647

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Bromobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chloromethane	0.31	J	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/26/16	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	01/26/16	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	2.3		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	01/26/16	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	01/26/16	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/26/16	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	104				%	1	01/26/16	MH	70 - 130 %	
% Bromofluorobenzene	94				%	1	01/26/16	MH	70 - 130 %	
% Dibromofluoromethane	105				%	1	01/26/16	MH	70 - 130 %	
% Toluene-d8	101				%	1	01/26/16	MH	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND		5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D	
1,2-Dichlorobenzene	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 3

Phoenix I.D.: BK57647

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND		5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
1,3-Dichlorobenzene	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
1,4-Dichlorobenzene	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4,5-Trichlorophenol	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4,6-Trichlorophenol	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dichlorophenol	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dimethylphenol	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dinitrophenol	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dinitrotoluene	ND		5.0	2.0	ug/L	1	01/29/16	KCA	SW8270D
2,6-Dinitrotoluene	ND		5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
2-Chloronaphthalene	ND		5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
2-Chlorophenol	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2-Methylnaphthalene	ND		5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
2-Methylphenol (o-cresol)	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2-Nitroaniline	ND		5.0	5.0	ug/L	1	01/29/16	KCA	SW8270D
2-Nitrophenol	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
3,3'-Dichlorobenzidine	ND		5.0	2.4	ug/L	1	01/29/16	KCA	SW8270D
3-Nitroaniline	ND		5.0	5.0	ug/L	1	01/29/16	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
4-Bromophenyl phenyl ether	ND		5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
4-Chloro-3-methylphenol	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
4-Chloroaniline	ND		3.5	2.3	ug/L	1	01/29/16	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND		5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D
4-Nitroaniline	ND		5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D
4-Nitrophenol	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
Acenaphthene	ND		5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
Acetophenone	ND		5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Aniline	ND		3.5	5.0	ug/L	1	01/29/16	KCA	SW8270D
Anthracene	ND		5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Benzidine	ND		4.5	2.9	ug/L	1	01/29/16	KCA	SW8270D
Benzoic acid	ND		25	10	ug/L	1	01/29/16	KCA	SW8270D
Benzyl butyl phthalate	ND		5.0	1.3	ug/L	1	01/29/16	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND		5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
Bis(2-chloroethyl)ether	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND		5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
Carbazole	ND		25	3.8	ug/L	1	01/29/16	KCA	SW8270D
Dibenzofuran	ND		5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
Diethyl phthalate	ND		5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Dimethylphthalate	ND		5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Di-n-butylphthalate	ND		5.0	1.3	ug/L	1	01/29/16	KCA	SW8270D
Di-n-octylphthalate	ND		5.0	1.3	ug/L	1	01/29/16	KCA	SW8270D
Fluoranthene	2.6	J	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Fluorene	ND		5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D
Hexachlorocyclopentadiene	ND		5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
Isophorone	ND		5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
Naphthalene	ND		5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
N-Nitrosodimethylamine	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND		5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 3

Phoenix I.D.: BK57647

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodiphenylamine	ND		5.0	1.9	ug/L	1	01/29/16	KCA	SW8270D	
Phenol	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D	
Pyrene	2.4	J	5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D	
Pyridine	ND		10	1.2	ug/L	1	01/29/16	KCA	SW8270D	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	103				%	1	01/29/16	KCA	15 - 110 %	
% 2-Fluorobiphenyl	70				%	1	01/29/16	KCA	30 - 130 %	
% 2-Fluorophenol	24				%	1	01/29/16	KCA	15 - 110 %	
% Nitrobenzene-d5	37				%	1	01/29/16	KCA	30 - 130 %	
% Phenol-d5	44				%	1	01/29/16	KCA	15 - 110 %	
% Terphenyl-d14	103				%	1	01/29/16	KCA	30 - 130 %	
Semivolatiles										
1,2,4,5-Tetrachlorobenzene	ND		0.50	0.50	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Acenaphthylene	ND		0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benz(a)anthracene	1.5		0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(a)pyrene	1.7		0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(b)fluoranthene	1.1		0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(ghi)perylene	0.58		0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(k)fluoranthene	1.0		0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	ND		1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Chrysene	1.3		0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Dibenz(a,h)anthracene	0.13		0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Hexachlorobenzene	ND		0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Hexachlorobutadiene	ND		0.40	0.40	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Hexachloroethane	ND		0.50	0.50	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	0.81		0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Nitrobenzene	ND		0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Pentachloronitrobenzene	ND		0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Pentachlorophenol	ND		0.80	0.80	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Phenanthrene	1.6		0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
QA/QC Surrogates										
% 2,4,6-Tribromophenol	116				%	1	01/29/16	KCA	15 - 110 %	3
% 2-Fluorobiphenyl	69				%	1	01/29/16	KCA	30 - 130 %	
% 2-Fluorophenol	28				%	1	01/29/16	KCA	15 - 110 %	
% Nitrobenzene-d5	44				%	1	01/29/16	KCA	30 - 130 %	
% Phenol-d5	53				%	1	01/29/16	KCA	15 - 110 %	
% Terphenyl-d14	103				%	1	01/29/16	KCA	30 - 130 %	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: MW 3

Phoenix I.D.: BK57647

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
February 05, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TG	01/22/16	
Location Code:	EBC	Received by:	SW	01/26/16	16:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK57645
Phoenix ID: BK57648

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: GW DUPLICATE

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.005		0.005	0.001	mg/L	1	01/28/16	EK	SW6010C
Aluminum	6.01		0.010	0.005	mg/L	1	01/28/16	EK	SW6010C
Arsenic - LDL	< 0.004		0.004	0.004	mg/L	1	01/28/16	EK	SW6010C
Barium	0.220		0.010	0.001	mg/L	1	01/28/16	EK	SW6010C
Beryllium	< 0.001		0.001	0.001	mg/L	1	01/28/16	EK	SW6010C
Calcium	273		0.10	0.10	mg/L	10	01/28/16	EK	SW6010C
Cadmium	< 0.004		0.004	0.0005	mg/L	1	01/28/16	EK	SW6010C
Cobalt	0.004	B	0.005	0.001	mg/L	1	01/28/16	EK	SW6010C
Chromium	0.011		0.001	0.001	mg/L	1	01/28/16	EK	SW6010C
Copper	0.023		0.005	0.001	mg/L	1	01/28/16	EK	SW6010C
Silver (Dissolved)	< 0.005		0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Aluminum (Dissolved)	< 0.011		0.011	0.0026	mg/L	1	01/27/16	EK	SW6010C
Arsenic, (Dissolved)	< 0.003		0.003	0.001	mg/L	1	01/27/16	EK	SW6010C
Barium (Dissolved)	0.124		0.011	0.001	mg/L	1	01/27/16	EK	SW6010C
Beryllium (Dissolved)	< 0.001		0.001	0.001	mg/L	1	01/27/16	EK	SW6010C
Calcium (Dissolved)	294		0.11	0.032	mg/L	10	01/27/16	EK	SW6010C
Cadmium (Dissolved)	< 0.004		0.004	0.0005	mg/L	1	01/27/16	EK	SW6010C
Cobalt, (Dissolved)	< 0.005		0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Chromium (Dissolved)	< 0.001		0.001	0.001	mg/L	1	01/27/16	EK	SW6010C
Copper, (Dissolved)	< 0.005		0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Iron, (Dissolved)	0.03		0.01	0.01	mg/L	1	01/27/16	EK	SW6010C
Mercury (Dissolved)	< 0.0002		0.0002	0.00015	mg/L	1	01/28/16	RS	SW7470A
Potassium (Dissolved)	35.8		0.1	0.1	mg/L	1	01/27/16	EK	SW6010C
Magnesium (Dissolved)	22.0		0.01	0.001	mg/L	1	01/27/16	EK	SW6010C
Manganese, (Dissolved)	1.61		0.005	0.001	mg/L	1	01/27/16	EK	SW6010C
Sodium (Dissolved)	64.8		1.1	1.1	mg/L	10	01/27/16	EK	SW6010C
Nickel, (Dissolved)	0.001	B	0.004	0.001	mg/L	1	01/27/16	EK	SW6010C
Lead (Dissolved)	< 0.002		0.002	0.001	mg/L	1	01/27/16	EK	SW6010C

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: GW DUPLICATE

Phoenix I.D.: BK57648

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Antimony, (Dissolved)	< 0.003	0.003	0.003	mg/L	1	01/29/16	RS	SW7010	
Selenium, (Dissolved)	< 0.004	0.004	0.002	mg/L	1	01/27/16	RS	SW7010	
Thallium , (Dissolved)	< 0.0005	0.0005	0.0005	mg/L	1	01/28/16	RS	SW7010	
Vanadium, (Dissolved)	< 0.011	0.011	0.001	mg/L	1	01/27/16	EK	SW6010C	
Zinc, (Dissolved)	0.003	B 0.011	0.001	mg/L	1	01/27/16	EK	SW6010C	
Iron	26.8	0.01	0.01	mg/L	1	01/28/16	EK	SW6010C	
Mercury	< 0.0002	0.0002	0.00015	mg/L	1	01/27/16	RS	SW7470A	
Potassium	44.4	0.1	0.01	mg/L	1	01/28/16	EK	SW6010C	
Magnesium	21.2	0.01	0.01	mg/L	1	01/28/16	EK	SW6010C	
Manganese	1.77	0.005	0.001	mg/L	1	01/28/16	EK	SW6010C	
Sodium	68.9	1.0	0.10	mg/L	10	01/28/16	EK	SW6010C	
Nickel	0.008	0.004	0.001	mg/L	1	01/28/16	EK	SW6010C	
Lead	0.092	0.002	0.001	mg/L	1	01/28/16	EK	SW6010C	
Antimony	< 0.002	0.002	0.002	mg/L	1	01/29/16	RS	SW7010	
Selenium	< 0.002	0.002	0.001	mg/L	1	01/28/16	RS	SW7010	
Thallium - LDL	< 0.0005	0.0005	0.0005	mg/L	1	01/28/16	RS	SW7010	
Vanadium	0.014	0.010	0.001	mg/L	1	01/28/16	EK	SW6010C	
Zinc	0.054	0.010	0.0011	mg/L	1	01/28/16	EK	SW6010C	
Filtration	Completed					01/26/16	AG	0.45um Filter	
Dissolved Mercury Digestion	Completed					01/28/16	W/W	SW7470A	
Mercury Digestion	Completed					01/27/16	W/W	SW7470A	
PCB Extraction (2 Liter)	Completed					01/26/16	BT	SW3510C	
Extraction for Pest (2 Liter)	Completed					01/26/16	BT	SW3510C	
Semi-Volatile Extraction	Completed					01/26/16	E/D/D	SW3520C	
Dissolved Metals Preparation	Completed					01/26/16	AG	SW3005A	
Total Metals Digestion	Completed					01/27/16	AG	SW3050B	
Pesticides									
4,4' -DDD	ND	0.010	0.010	ug/L	1	02/02/16	KCA	SW8081B	
4,4' -DDE	ND	0.010	0.010	ug/L	1	02/02/16	KCA	SW8081B	
4,4' -DDT	ND	0.010	0.010	ug/L	1	02/02/16	KCA	SW8081B	
a-BHC	ND	0.005	0.005	ug/L	1	02/02/16	KCA	SW8081B	
a-chlordane	ND	0.010	0.010	ug/L	1	02/02/16	KCA	SW8081B	
Alachlor	ND	0.075	0.075	ug/L	1	02/02/16	KCA	SW8081B	1
Aldrin	ND	0.002	0.002	ug/L	1	02/02/16	KCA	SW8081B	
b-BHC	ND	0.005	0.005	ug/L	1	02/02/16	KCA	SW8081B	
Chlordane	ND	0.050	0.050	ug/L	1	02/02/16	KCA	SW8081B	
d-BHC	ND	0.005	0.005	ug/L	1	02/02/16	KCA	SW8081B	
Dieldrin	0.011	0.002	0.002	ug/L	1	02/02/16	KCA	SW8081B	
Endosulfan I	ND	0.010	0.010	ug/L	1	02/02/16	KCA	SW8081B	
Endosulfan II	ND	0.010	0.010	ug/L	1	02/02/16	KCA	SW8081B	
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	02/02/16	KCA	SW8081B	
Endrin	ND	0.010	0.010	ug/L	1	02/02/16	KCA	SW8081B	
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	02/02/16	KCA	SW8081B	
Endrin ketone	ND	0.010	0.010	ug/L	1	02/02/16	KCA	SW8081B	
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	02/02/16	KCA	SW8081B	
g-chlordane	ND	0.010	0.010	ug/L	1	02/02/16	KCA	SW8081B	
Heptachlor	ND	0.010	0.010	ug/L	1	02/02/16	KCA	SW8081B	
Heptachlor epoxide	ND	0.010	0.010	ug/L	1	02/02/16	KCA	SW8081B	
Methoxychlor	ND	0.10	0.10	ug/L	1	02/02/16	KCA	SW8081B	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Toxaphene	ND		0.25	0.25	ug/L	1	02/02/16	KCA	SW8081B	
QA/QC Surrogates										
%DCBP (Surrogate Rec)	66				%	1	02/02/16	KCA	SW8081B	
%TCMX (Surrogate Rec)	77				%	1	02/02/16	KCA	SW8081B	
Polychlorinated Biphenyls										
PCB-1016	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1221	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1232	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1242	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1248	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1254	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1260	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1262	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
PCB-1268	ND		0.050	0.050	ug/L	1	01/28/16	AW	E608/SW8082A	
QA/QC Surrogates										
% DCBP	39				%	1	01/28/16	AW	30 - 150 %	
% TCMX	65				%	1	01/28/16	AW	30 - 150 %	
Volatiles										
1,1,1,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,1,1-Trichloroethane	ND		5.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,1,2-Trichloroethane	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,1-Dichloroethane	ND		5.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,1-Dichloroethene	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,1-Dichloropropene	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,2,3-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,2,3-Trichloropropane	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,2,4-Trichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,2,4-Trimethylbenzene	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND		1.0	0.50	ug/L	1	01/27/16	MH	SW8260C	
1,2-Dibromoethane	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,2-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,2-Dichloroethane	ND		0.60	0.50	ug/L	1	01/27/16	MH	SW8260C	
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,3-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,3-Dichloropropane	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
1,4-Dichlorobenzene	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
2,2-Dichloropropane	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
2-Chlorotoluene	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
2-Hexanone	ND		2.5	2.5	ug/L	1	01/27/16	MH	SW8260C	
2-Isopropyltoluene	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	1
4-Chlorotoluene	ND		1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
4-Methyl-2-pentanone	ND		2.5	2.5	ug/L	1	01/27/16	MH	SW8260C	
Acetone	5.1	S	5.0	2.5	ug/L	1	01/27/16	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	01/27/16	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	01/27/16	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	01/27/16	MH	SW8260C	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: GW DUPLICATE

Phoenix I.D.: BK57648

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Bromobenzene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Bromochloromethane	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Bromodichloromethane	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Bromoform	ND	5.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Bromomethane	ND	5.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Carbon Disulfide	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Chlorobenzene	ND	5.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Chloroethane	ND	5.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Chloroform	ND	5.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Chloromethane	ND	5.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/27/16	MH	SW8260C	
Dibromochloromethane	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Dibromomethane	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Ethylbenzene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Hexachlorobutadiene	ND	0.50	0.20	ug/L	1	01/27/16	MH	SW8260C	
Isopropylbenzene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
m&p-Xylene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Methyl ethyl ketone	ND	2.5	2.5	ug/L	1	01/27/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	2.3	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Methylene chloride	ND	3.0	1.0	ug/L	1	01/27/16	MH	SW8260C	
Naphthalene	ND	1.0	1.0	ug/L	1	01/27/16	MH	SW8260C	
n-Butylbenzene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
n-Propylbenzene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
o-Xylene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
sec-Butylbenzene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Styrene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
tert-Butylbenzene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Tetrachloroethene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND	5.0	2.5	ug/L	1	01/27/16	MH	SW8260C	1
Toluene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
trans-1,2-Dichloroethene	ND	5.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	01/27/16	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	2.5	2.5	ug/L	1	01/27/16	MH	SW8260C	
Trichloroethene	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
Vinyl chloride	ND	1.0	0.25	ug/L	1	01/27/16	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	103			%	1	01/27/16	MH	70 - 130 %	
% Bromofluorobenzene	93			%	1	01/27/16	MH	70 - 130 %	
% Dibromofluoromethane	103			%	1	01/27/16	MH	70 - 130 %	
% Toluene-d8	101			%	1	01/27/16	MH	70 - 130 %	

Semivolatiles

1,2,4-Trichlorobenzene	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
1,2-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: GW DUPLICATE

Phoenix I.D.: BK57648

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2-Diphenylhydrazine	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
1,3-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
1,4-Dichlorobenzene	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	01/29/16	KCA	SW8270D
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
2-Chloronaphthalene	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
2-Chlorophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2-Methylnaphthalene	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
2-Nitroaniline	ND	5.0	5.0	ug/L	1	01/29/16	KCA	SW8270D
2-Nitrophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	1	01/29/16	KCA	SW8270D
3-Nitroaniline	ND	5.0	5.0	ug/L	1	01/29/16	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
4-Chloroaniline	ND	3.5	2.3	ug/L	1	01/29/16	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D
4-Nitroaniline	ND	5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D
4-Nitrophenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
Acenaphthene	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
Acetophenone	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Aniline	ND	3.5	5.0	ug/L	1	01/29/16	KCA	SW8270D
Anthracene	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Benzidine	ND	4.5	2.9	ug/L	1	01/29/16	KCA	SW8270D
Benzoic acid	ND	25	10	ug/L	1	01/29/16	KCA	SW8270D
Benzyl butyl phthalate	ND	5.0	1.3	ug/L	1	01/29/16	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
Carbazole	ND	25	3.8	ug/L	1	01/29/16	KCA	SW8270D
Dibenzofuran	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
Diethyl phthalate	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Dimethylphthalate	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Di-n-butylphthalate	ND	5.0	1.3	ug/L	1	01/29/16	KCA	SW8270D
Di-n-octylphthalate	ND	5.0	1.3	ug/L	1	01/29/16	KCA	SW8270D
Fluoranthene	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D
Fluorene	ND	5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D
Hexachlorocyclopentadiene	ND	5.0	1.5	ug/L	1	01/29/16	KCA	SW8270D
Isophorone	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
Naphthalene	ND	5.0	1.4	ug/L	1	01/29/16	KCA	SW8270D
N-Nitrosodimethylamine	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	5.0	1.6	ug/L	1	01/29/16	KCA	SW8270D

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: GW DUPLICATE

Phoenix I.D.: BK57648

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
N-Nitrosodiphenylamine	ND	5.0	1.9	ug/L	1	01/29/16	KCA	SW8270D	
Phenol	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D	
Pyrene	ND	5.0	1.7	ug/L	1	01/29/16	KCA	SW8270D	
Pyridine	ND	10	1.2	ug/L	1	01/29/16	KCA	SW8270D	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	91			%	1	01/29/16	KCA	15 - 110 %	
% 2-Fluorobiphenyl	82			%	1	01/29/16	KCA	30 - 130 %	
% 2-Fluorophenol	43			%	1	01/29/16	KCA	15 - 110 %	
% Nitrobenzene-d5	65			%	1	01/29/16	KCA	30 - 130 %	
% Phenol-d5	44			%	1	01/29/16	KCA	15 - 110 %	
% Terphenyl-d14	104			%	1	01/29/16	KCA	30 - 130 %	
Semivolatiles									
1,2,4,5-Tetrachlorobenzene	ND	0.50	0.50	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Acenaphthylene	ND	0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benz(a)anthracene	0.77	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(a)pyrene	0.49	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(b)fluoranthene	0.61	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(ghi)perylene	0.25	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Benzo(k)fluoranthene	0.54	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Bis(2-ethylhexyl)phthalate	ND	1.0	1.0	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Chrysene	0.70	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Dibenz(a,h)anthracene	0.15	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Hexachlorobenzene	ND	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Hexachlorobutadiene	ND	0.40	0.40	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Hexachloroethane	ND	0.50	0.50	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Indeno(1,2,3-cd)pyrene	0.38	0.02	0.02	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Nitrobenzene	ND	0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Pentachloronitrobenzene	ND	0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Pentachlorophenol	ND	0.80	0.80	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
Phenanthrene	1.0	0.10	0.10	ug/L	1	01/29/16	KCA	SW8270D (SIM)	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	116			%	1	01/29/16	KCA	15 - 110 %	3
% 2-Fluorobiphenyl	82			%	1	01/29/16	KCA	30 - 130 %	
% 2-Fluorophenol	52			%	1	01/29/16	KCA	15 - 110 %	
% Nitrobenzene-d5	81			%	1	01/29/16	KCA	30 - 130 %	
% Phenol-d5	57			%	1	01/29/16	KCA	15 - 110 %	
% Terphenyl-d14	109			%	1	01/29/16	KCA	30 - 130 %	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: GW DUPLICATE

Phoenix I.D.: BK57648

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
February 05, 2016
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	TG	01/22/16	
Location Code:	EBC	Received by:	SW	01/26/16	16:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBK57645
Phoenix ID: BK57649

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Volatiles									
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1,1-Trichloroethane	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1-Dichloroethane	ND	5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,3-Trichloropropane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	1.0	0.50	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dibromoethane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	0.50	ug/L	1	01/26/16	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
2-Chlorotoluene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
2-Hexanone	ND	2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	

Project ID: 391 MEEKER AVE BROOKLYN NY
Client ID: TRIP BLANK

Phoenix I.D.: BK57649

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference	
Acetone	3.4	JS	5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	
Acrolein	ND		5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	
Acrylonitrile	ND		5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	
Benzene	ND		0.70	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromobenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromochloromethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromodichloromethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromoform	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Bromomethane	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Carbon Disulfide	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Carbon tetrachloride	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chlorobenzene	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chloroethane	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chloroform	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Chloromethane	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/26/16	MH	SW8260C	
Dibromochloromethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Dibromomethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Ethylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Hexachlorobutadiene	ND		0.50	0.20	ug/L	1	01/26/16	MH	SW8260C	
Isopropylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
m&p-Xylene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Methyl ethyl ketone	ND		2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Methylene chloride	ND		3.0	1.0	ug/L	1	01/26/16	MH	SW8260C	
Naphthalene	ND		1.0	1.0	ug/L	1	01/26/16	MH	SW8260C	
n-Butylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
n-Propylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
o-Xylene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
sec-Butylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Styrene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
tert-Butylbenzene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Tetrachloroethene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Tetrahydrofuran (THF)	ND		5.0	2.5	ug/L	1	01/26/16	MH	SW8260C	1
Toluene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
trans-1,2-Dichloroethene	ND		5.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	0.25	ug/L	1	01/26/16	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		2.5	2.5	ug/L	1	01/26/16	MH	SW8260C	
Trichloroethene	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
Vinyl chloride	ND		1.0	0.25	ug/L	1	01/26/16	MH	SW8260C	
QA/QC Surrogates										
% 1,2-dichlorobenzene-d4	100				%	1	01/26/16	MH	70 - 130 %	
% Bromofluorobenzene	92				%	1	01/26/16	MH	70 - 130 %	
% Dibromofluoromethane	97				%	1	01/26/16	MH	70 - 130 %	

Project ID: 391 MEEKER AVE BROOKLYN NY

Client ID: TRIP BLANK

Phoenix I.D.: BK57649

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	100			%	1	01/26/16	MH	70 - 130 %

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director

February 05, 2016

Reviewed and Released by: Bobbi Aloisa, Vice President

Sample Criteria Exceedences Report

GBK57645 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK57645	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK57645	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK57645	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK57645	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.13	0.02	0.002	0.002	ug/L
BK57645	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.26	0.02	0.002	0.002	ug/L
BK57645	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.28	0.02	0.002	0.002	ug/L
BK57645	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.20	0.02	0.002	0.002	ug/L
BK57645	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.19	0.02	0.002	0.002	ug/L
BK57645	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.22	0.02	0.002	0.002	ug/L
BK57645	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.13	0.02	0.002	0.002	ug/L
BK57645	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.22	0.02	0.002	0.002	ug/L
BK57645	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.26	0.02	0.002	0.002	ug/L
BK57645	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.20	0.02	0.002	0.002	ug/L
BK57645	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.19	0.02	0.002	0.002	ug/L
BK57645	$DPPEST_GA	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.014	0.01	0.01	ug/L
BK57645	$DPPEST_GA	4,4' -DDE	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.020	0.01	0.01	ug/L
BK57645	$DPPEST_GA	4,4' -DDT	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.21	0.01	0.01	ug/L
BK57645	$DPPEST_GA	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.025	0.01	0.01	ug/L
BK57645	$DPPEST_GA	4,4' -DDD	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.014	0.01	0.01	ug/L
BK57645	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BK57645	$DPPEST_GA	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.10	0.05	0.05	ug/L
BK57645	$DPPEST_GA	4,4' -DDT	NY / TOGS - Water Quality / GA Criteria	ND	0.21	0.2	0.2	ug/L
BK57645	$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.014	0.004	0.004	ug/L
BK57645	$PCB_WMLDL	PCB-1242	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.25	0.09	0.09	ug/L
BK57645	$PCB_WMLDL	PCB-1260	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.25	0.09	0.09	ug/L
BK57645	$PCB_WMLDL	PCB-1248	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.25	0.09	0.09	ug/L
BK57645	$PCB_WMLDL	PCB-1254	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	2.1	0.25	0.09	0.09	ug/L
BK57645	$PCB_WMLDL	PCB-1016	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.25	0.09	0.09	ug/L
BK57645	$PCB_WMLDL	PCB-1232	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.25	0.09	0.09	ug/L
BK57645	$PCB_WMLDL	PCB-1221	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.25	0.09	0.09	ug/L
BK57645	$PCB_WMLDL	PCB-1260	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.09	0.09	ug/L
BK57645	$PCB_WMLDL	PCB-1254	NY / TOGS - Water Quality / GA Criteria	2.1	0.25	0.09	0.09	ug/L
BK57645	$PCB_WMLDL	PCB-1016	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.09	0.09	ug/L
BK57645	$PCB_WMLDL	PCB-1248	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.09	0.09	ug/L
BK57645	$PCB_WMLDL	PCB-1242	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.09	0.09	ug/L
BK57645	$PCB_WMLDL	PCB-1221	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.09	0.09	ug/L
BK57645	$PCB_WMLDL	PCB-1232	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.09	0.09	ug/L
BK57645	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	684	1.0	0.1	0.1	mg/L
BK57645	AS-WMDP	Arsenic - LDL	NY / TOGS - Water Quality / GA Criteria	0.965	0.004	0.025	0.025	mg/L
BK57645	BA-WMDP	Barium	NY / TOGS - Water Quality / GA Criteria	8.93	0.010	1	1	mg/L
BK57645	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.047	0.001	0.003	0.003	mg/L
BK57645	CD-WMDP	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.019	0.004	0.005	0.005	mg/L

Sample Criteria Exceedences Report

GBK57645 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK57645	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	1.84	0.001	0.05	0.05	mg/L
BK57645	CU-WMDP	Copper	NY / TOGS - Water Quality / GA Criteria	6.01	0.050	0.2	0.2	mg/L
BK57645	D-MG	Magnesium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	70.4	0.01	35	35	mg/L
BK57645	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.507	0.005	0.3	0.3	mg/L
BK57645	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	129	1.1	20	20	mg/L
BK57645	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	1270	1.0	0.3	0.3	mg/L
BK57645	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	219	0.10	35	35	mg/L
BK57645	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	23.5	0.50	0.3	0.3	mg/L
BK57645	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	171	1.0	20	20	mg/L
BK57645	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	1.08	0.004	0.1	0.1	mg/L
BK57645	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	24.0	0.20	0.025	0.025	mg/L
BK57645	ZN-WMDP	Zinc	NY / TOGS - Water Quality / GA Criteria	29.1	1.0	5	5	mg/L
BK57646	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK57646	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK57646	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK57646	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BK57646	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.07	0.02	0.002	0.002	ug/L
BK57646	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
BK57646	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
BK57646	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.07	0.02	0.002	0.002	ug/L
BK57646	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L
BK57646	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.07	0.02	0.002	0.002	ug/L
BK57646	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	ug/L
BK57646	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BK57646	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	ug/L
BK57646	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
BK57646	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BK57646	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	4.13	0.010	0.1	0.1	mg/L
BK57646	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.751	0.005	0.3	0.3	mg/L
BK57646	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	61.5	1.1	20	20	mg/L
BK57646	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	26.1	0.01	0.3	0.3	mg/L
BK57646	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	0.991	0.005	0.3	0.3	mg/L
BK57646	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	62.2	1.0	20	20	mg/L
BK57646	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.083	0.002	0.025	0.025	mg/L
BK57647	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK57647	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK57647	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK57647	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	1.0	0.02	0.002	0.002	ug/L
BK57647	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.81	0.02	0.002	0.002	ug/L
BK57647	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	1.3	0.02	0.002	0.002	ug/L

Sample Criteria Exceedences Report

GBK57645 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK57647	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	1.1	0.02	0.002	0.002	ug/L
BK57647	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	1.7	0.02	0.002	0.002	ug/L
BK57647	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	1.5	0.02	0.002	0.002	ug/L
BK57647	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	1.1	0.02	0.002	0.002	ug/L
BK57647	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	1.0	0.02	0.002	0.002	ug/L
BK57647	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	1.3	0.02	0.002	0.002	ug/L
BK57647	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.81	0.02	0.002	0.002	ug/L
BK57647	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	1.5	0.02	0.002	0.002	ug/L
BK57647	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
BK57647	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	5.81	0.010	0.1	0.1	mg/L
BK57647	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.54	0.005	0.3	0.3	mg/L
BK57647	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	65.6	1.1	20	20	mg/L
BK57647	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	27.6	0.01	0.3	0.3	mg/L
BK57647	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	1.83	0.005	0.3	0.3	mg/L
BK57647	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	69.2	1.0	20	20	mg/L
BK57647	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.097	0.002	0.025	0.025	mg/L
BK57648	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK57648	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK57648	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK57648	$DP8270-SIMR	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.70	0.02	0.002	0.002	ug/L
BK57648	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.38	0.02	0.002	0.002	ug/L
BK57648	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.54	0.02	0.002	0.002	ug/L
BK57648	$DP8270-SIMR	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.49	0.02	0.002	0.002	ug/L
BK57648	$DP8270-SIMR	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.77	0.02	0.002	0.002	ug/L
BK57648	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.61	0.02	0.002	0.002	ug/L
BK57648	$DP8270-SIMR	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.61	0.02	0.002	0.002	ug/L
BK57648	$DP8270-SIMR	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.54	0.02	0.002	0.002	ug/L
BK57648	$DP8270-SIMR	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.77	0.02	0.002	0.002	ug/L
BK57648	$DP8270-SIMR	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.70	0.02	0.002	0.002	ug/L
BK57648	$DP8270-SIMR	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.38	0.02	0.002	0.002	ug/L
BK57648	$DPPEST_GA	Dieldrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	0.011	0.002	0.01	0.01	ug/L
BK57648	$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	0.011	0.002	0.004	0.004	ug/L
BK57648	$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BK57648	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	6.01	0.010	0.1	0.1	mg/L
BK57648	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.61	0.005	0.3	0.3	mg/L
BK57648	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	64.8	1.1	20	20	mg/L
BK57648	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	26.8	0.01	0.3	0.3	mg/L
BK57648	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	1.77	0.005	0.3	0.3	mg/L
BK57648	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	68.9	1.0	20	20	mg/L
BK57648	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.092	0.002	0.025	0.025	mg/L

Sample Criteria Exceedences Report

GBK57645 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BK57649	$8260DP25R	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BK57649	$8260DP25R	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BK57649	$8260DP25R	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L

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

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

NY Temperature Narration

February 05, 2016

SDG I.D.: GBK57645

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

Cooler: Yes [x] No [ ]
Coolant: IPK [x] ICE [ ] No [ ]

Temp 4 °C Pg 1 of 1

PHOENIX Environmental Laboratories, Inc.

NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Contact Options:
[ ] Fax:
[ ] Phone: 631-504-6000
[x] Email: File

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project: 391 Meeker Ave Brooklyn NY
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: Thomas Gallo Date: 1-22-16

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
OIL=Oil **B**=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	Pesticides/PCBs	TAL Metals (filtered+unfiltered)	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [x] HCl	GL Amber 1000ml [x] As is [ ] H2SO4	PL As is [x] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
576045	MW1	GW	1-22-16		x	x	x	x				3	3	1		1		
576046	MW2	GW	1-22-16		x	x	x	x				3	3	1		1		
576047	MW3	GW	1-22-16		x	x	x	x				3	3	1		1		
576048	GW Duplicate	GW	1-22-16		x	x	x	x				3	3	1		1		
576049	Trip blanks				x							2						

Relinquished by:	Accepted by:	Date:	Time:
Thomas Gallo	[illegible]	1-26-16	12:00
[illegible]	[illegible]	1-26-16	16:12

Comments, Special Requirements or Regulations:

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[x] 5 Days
[ ] 10 Days
[ ] Other
* SURCHARGE APPLIES

NJ
[ ] Res. Criteria
[ ] Non-Res. Criteria
[ ] Impact to GW Soil Cleanup Criteria
[ ] GW Criteria

NY
[x] NY 375 GWP
[ ] NY375 Unrestricted Use Soil
[ ] NY375 Residential Soil
[ ] Restricted/Residential
[ ] Commercial
[ ] Industrial

Data Format
[ ] Phoenix Std Raport
[x] Excel
[x] PDF
[ ] GIS/Key
[x] EQuIS
[ ] NJ Hazsite EDD
[x] NY EZ EDD (ASP)
[ ] Other

Data Package
[ ] NJ Reduced Deliv.*
[x] NY Enhanced (ASP B)*
[ ] Other

State where samples were collected: NY

PHOENIX
Environmental Laboratories, Inc.

Friday, February 05, 2016

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 391 MEEKER AVE
Sample ID#s: BK57641 - BK57644

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

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

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TG	01/22/16	13:27
Location Code:	EBC	Received by:	SW	01/26/16	16:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13651				

Laboratory Data

SDG ID: GBK57641
Phoenix ID: BK57641

Project ID: 391 MEEKER AVE
Client ID: SV 4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/27/16	KCA	1	1
1,1,1-Trichloroethane	0.399	*0.183*	0.183	2.18	*1.00*	1.00	01/27/16	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/27/16	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/27/16	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/27/16	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2,4-Trimethylbenzene	0.236	*0.204*	0.204	1.16	*1.00*	1.00	01/27/16	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	01/27/16	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/16	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	01/27/16	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/27/16	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/27/16	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	01/27/16	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/27/16	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/16	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/27/16	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/27/16	KCA	1	
Acetone	77.6	*2.11*	2.11	184	*5.01*	5.01	01/27/16	KCA	5	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	01/27/16	KCA	1	
Benzene	3.05	*0.313*	0.313	9.7	*1.00*	1.00	01/27/16	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	01/27/16	KCA	1	

Project ID: 391 MEEKER AVE
Client ID: SV 4

Phoenix I.D.: BK57641

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	01/27/16	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	01/27/16	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	01/27/16	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	01/27/16	KCA	1	
Carbon Tetrachloride	ND	*0.040*	0.040	ND	*0.25*	0.25	01/27/16	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	01/27/16	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	01/27/16	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	01/27/16	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	01/27/16	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/27/16	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/27/16	KCA	1	
Cyclohexane	10.9	*0.291*	0.291	37.5	*1.00*	1.00	01/27/16	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	01/27/16	KCA	1	
Dichlorodifluoromethane	0.471	*0.202*	0.202	2.33	*1.00*	1.00	01/27/16	KCA	1	
Ethanol	20.2	*0.531*	0.531	38.0	*1.00*	1.00	01/27/16	KCA	1	1
Ethyl acetate	0.508	*0.278*	0.278	1.83	*1.00*	1.00	01/27/16	KCA	1	1
Ethylbenzene	2.98	*0.230*	0.230	12.9	*1.00*	1.00	01/27/16	KCA	1	
Heptane	96.7	*1.22*	1.22	396	*5.00*	5.00	01/27/16	KCA	5	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	01/27/16	KCA	1	
Hexane	5.91	*0.284*	0.284	20.8	*1.00*	1.00	01/27/16	KCA	1	
Isopropylalcohol	9.34	*0.407*	0.407	22.9	*1.00*	1.00	01/27/16	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/16	KCA	1	
m,p-Xylene	6.70	*0.230*	0.230	29.1	*1.00*	1.00	01/27/16	KCA	1	
Methyl Ethyl Ketone	1.11	*0.339*	0.339	3.27	*1.00*	1.00	01/27/16	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	01/27/16	KCA	1	
Methylene Chloride	ND	*0.288*	0.288	ND	*1.00*	1.00	01/27/16	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/27/16	KCA	1	1
o-Xylene	1.61	*0.230*	0.230	6.99	*1.00*	1.00	01/27/16	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	01/27/16	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/27/16	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	01/27/16	KCA	1	
Tetrachloroethene	2.03	*0.037*	0.037	13.8	*0.25*	0.25	01/27/16	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	01/27/16	KCA	1	1
Toluene	39.5	*0.266*	0.266	149	*1.00*	1.00	01/27/16	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/27/16	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/27/16	KCA	1	
Trichloroethene	ND	*0.047*	0.047	ND	*0.25*	0.25	01/27/16	KCA	1	
Trichlorofluoromethane	0.196	*0.178*	0.178	1.10	*1.00*	1.00	01/27/16	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	01/27/16	KCA	1	
Vinyl Chloride	ND	*0.098*	0.098	ND	*0.25*	0.25	01/27/16	KCA	1	
QA/QC Surrogates										
% Bromofluorobenzene	110	*%*	%	110	*%*	%	01/27/16	KCA	1	

Project ID: 391 MEEKER AVE

Client ID: SV 4

Phoenix I.D.: BK57641

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

Phyllis Shiller, Laboratory Director

February 05, 2016

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TG	01/22/16	13:55
Location Code:	EBC	Received by:	SW	01/26/16	16:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12867				

Laboratory Data

SDG ID: GBK57641
Phoenix ID: BK57642

Project ID: 391 MEEKER AVE
Client ID: SV 1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/27/16	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/27/16	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/27/16	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/27/16	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/27/16	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	01/27/16	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/16	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	01/27/16	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/27/16	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/27/16	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	01/27/16	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/27/16	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/16	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/27/16	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.381	*0.244*	0.244	1.56	*1.00*	1.00	01/27/16	KCA	1	
Acetone	34.7	*0.421*	0.421	82.4	*1.00*	1.00	01/27/16	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	01/27/16	KCA	1	
Benzene	0.571	*0.313*	0.313	1.82	*1.00*	1.00	01/27/16	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	01/27/16	KCA	1	

Project ID: 391 MEEKER AVE
Client ID: SV 1

Phoenix I.D.: BK57642

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	01/27/16	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	01/27/16	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	01/27/16	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	01/27/16	KCA	1	
Carbon Tetrachloride	0.072	*0.040*	0.040	0.45	*0.25*	0.25	01/27/16	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	01/27/16	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	01/27/16	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	01/27/16	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	01/27/16	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/27/16	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/27/16	KCA	1	
Cyclohexane	0.852	*0.291*	0.291	2.93	*1.00*	1.00	01/27/16	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	01/27/16	KCA	1	
Dichlorodifluoromethane	0.522	*0.202*	0.202	2.58	*1.00*	1.00	01/27/16	KCA	1	
Ethanol	18.8	*0.531*	0.531	35.4	*1.00*	1.00	01/27/16	KCA	1	1
Ethyl acetate	0.371	*0.278*	0.278	1.34	*1.00*	1.00	01/27/16	KCA	1	1
Ethylbenzene	0.425	*0.230*	0.230	1.84	*1.00*	1.00	01/27/16	KCA	1	
Heptane	5.69	*0.244*	0.244	23.3	*1.00*	1.00	01/27/16	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	01/27/16	KCA	1	
Hexane	0.595	S *0.284*	0.284	2.10	*1.00*	1.00	01/27/16	KCA	1	
Isopropylalcohol	8.75	*0.407*	0.407	21.5	*1.00*	1.00	01/27/16	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/16	KCA	1	
m,p-Xylene	1.17	*0.230*	0.230	5.08	*1.00*	1.00	01/27/16	KCA	1	
Methyl Ethyl Ketone	0.544	*0.339*	0.339	1.60	*1.00*	1.00	01/27/16	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	01/27/16	KCA	1	
Methylene Chloride	ND	*0.288*	0.288	ND	*1.00*	1.00	01/27/16	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/27/16	KCA	1	1
o-Xylene	0.373	*0.230*	0.230	1.62	*1.00*	1.00	01/27/16	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	01/27/16	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/27/16	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	01/27/16	KCA	1	
Tetrachloroethene	0.069	*0.037*	0.037	0.47	*0.25*	0.25	01/27/16	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	01/27/16	KCA	1	1
Toluene	3.37	*0.266*	0.266	12.7	*1.00*	1.00	01/27/16	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/27/16	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/27/16	KCA	1	
Trichloroethene	ND	*0.047*	0.047	ND	*0.25*	0.25	01/27/16	KCA	1	
Trichlorofluoromethane	0.243	*0.178*	0.178	1.36	*1.00*	1.00	01/27/16	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	01/27/16	KCA	1	
Vinyl Chloride	ND	*0.098*	0.098	ND	*0.25*	0.25	01/27/16	KCA	1	
QA/QC Surrogates										
% Bromofluorobenzene	105	*%*	%	105	*%*	%	01/27/16	KCA	1	

Project ID: 391 MEEKER AVE

Client ID: SV 1

Phoenix I.D.: BK57642

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director

February 05, 2016

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TG	01/22/16	13:49
Location Code:	EBC	Received by:	SW	01/26/16	16:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	12868				

Laboratory Data

SDG ID: GBK57641
Phoenix ID: BK57643

Project ID: 391 MEEKER AVE
Client ID: SV 2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/27/16	KCA	1	1
1,1,1-Trichloroethane	0.195	*0.183*	0.183	1.06	*1.00*	1.00	01/27/16	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/27/16	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/27/16	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/27/16	KCA	1	
1,1-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	01/27/16	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	01/27/16	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/16	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	01/27/16	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/27/16	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/27/16	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	01/27/16	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/27/16	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/16	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/27/16	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/27/16	KCA	1	
Acetone	14.9	*0.421*	0.421	35.4	*1.00*	1.00	01/27/16	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	01/27/16	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	01/27/16	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	01/27/16	KCA	1	

Project ID: 391 MEEKER AVE
Client ID: SV 2

Phoenix I.D.: BK57643

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	01/27/16	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	01/27/16	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	01/27/16	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	01/27/16	KCA	1	
Carbon Tetrachloride	ND	*0.040*	0.040	ND	*0.25*	0.25	01/27/16	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	01/27/16	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	01/27/16	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	01/27/16	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	01/27/16	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/27/16	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/27/16	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	01/27/16	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	01/27/16	KCA	1	
Dichlorodifluoromethane	0.437	*0.202*	0.202	2.16	*1.00*	1.00	01/27/16	KCA	1	
Ethanol	16.3	*0.531*	0.531	30.7	*1.00*	1.00	01/27/16	KCA	1	1
Ethyl acetate	0.397	*0.278*	0.278	1.43	*1.00*	1.00	01/27/16	KCA	1	1
Ethylbenzene	0.237	*0.230*	0.230	1.03	*1.00*	1.00	01/27/16	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	01/27/16	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	01/27/16	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	01/27/16	KCA	1	
Isopropylalcohol	7.62	*0.407*	0.407	18.7	*1.00*	1.00	01/27/16	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/27/16	KCA	1	
m,p-Xylene	0.734	*0.230*	0.230	3.19	*1.00*	1.00	01/27/16	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	01/27/16	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	01/27/16	KCA	1	
Methylene Chloride	ND	*0.288*	0.288	ND	*1.00*	1.00	01/27/16	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/27/16	KCA	1	1
o-Xylene	0.252	*0.230*	0.230	1.09	*1.00*	1.00	01/27/16	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	01/27/16	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/27/16	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	01/27/16	KCA	1	
Tetrachloroethene	6.73	*0.037*	0.037	45.6	*0.25*	0.25	01/27/16	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	01/27/16	KCA	1	1
Toluene	0.720	*0.266*	0.266	2.71	*1.00*	1.00	01/27/16	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/27/16	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/27/16	KCA	1	
Trichloroethene	1.70	*0.047*	0.047	9.13	*0.25*	0.25	01/27/16	KCA	1	
Trichlorofluoromethane	0.223	*0.178*	0.178	1.25	*1.00*	1.00	01/27/16	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	01/27/16	KCA	1	
Vinyl Chloride	ND	*0.098*	0.098	ND	*0.25*	0.25	01/27/16	KCA	1	
QA/QC Surrogates										
% Bromofluorobenzene	105	*%*	%	105	*%*	%	01/27/16	KCA	1	

Project ID: 391 MEEKER AVE
Client ID: SV 2

Phoenix I.D.: BK57643

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

Phyllis Shiller, Laboratory Director
February 05, 2016
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2016

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	TG	01/22/16	13:23
Location Code:	EBC	Received by:	SW	01/26/16	16:12
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	365				

Laboratory Data

SDG ID: GBK57641
Phoenix ID: BK57644

Project ID: 391 MEEKER AVE
Client ID: SV 3

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)											
1,1,1,2-Tetrachloroethane	ND		*43.7*	43.7	ND	*300*	300	02/02/16	KCA	300	1
1,1,1-Trichloroethane	ND		*55.0*	55.0	ND	*300*	300	02/02/16	KCA	300	
1,1,2,2-Tetrachloroethane	ND		*43.7*	43.7	ND	*300*	300	02/02/16	KCA	300	
1,1,2-Trichloroethane	ND		*55.0*	55.0	ND	*300*	300	02/02/16	KCA	300	
1,1-Dichloroethane	ND		*74.2*	74.2	ND	*300*	300	02/02/16	KCA	300	
1,1-Dichloroethene	ND		*75.7*	75.7	ND	*300*	300	02/02/16	KCA	300	
1,2,4-Trichlorobenzene	ND		*40.4*	40.4	ND	*300*	300	02/02/16	KCA	300	
1,2,4-Trimethylbenzene	ND		*61.1*	61.1	ND	*300*	300	02/02/16	KCA	300	
1,2-Dibromoethane(EDB)	ND		*39.1*	39.1	ND	*300*	300	02/02/16	KCA	300	
1,2-Dichlorobenzene	ND		*49.9*	49.9	ND	*300*	300	02/02/16	KCA	300	
1,2-Dichloroethane	ND		*74.2*	74.2	ND	*300*	300	02/02/16	KCA	300	
1,2-dichloropropane	ND		*65.0*	65.0	ND	*300*	300	02/02/16	KCA	300	
1,2-Dichlorotetrafluoroethane	ND		*42.9*	42.9	ND	*300*	300	02/02/16	KCA	300	
1,3,5-Trimethylbenzene	ND		*61.1*	61.1	ND	*300*	300	02/02/16	KCA	300	
1,3-Butadiene	ND		*136*	136	ND	*301*	301	02/02/16	KCA	300	
1,3-Dichlorobenzene	ND		*49.9*	49.9	ND	*300*	300	02/02/16	KCA	300	
1,4-Dichlorobenzene	ND		*49.9*	49.9	ND	*300*	300	02/02/16	KCA	300	
1,4-Dioxane	ND		*83.3*	83.3	ND	*300*	300	02/02/16	KCA	300	
2-Hexanone(MBK)	ND		*73.3*	73.3	ND	*300*	300	02/02/16	KCA	300	1
4-Ethyltoluene	ND		*61.1*	61.1	ND	*300*	300	02/02/16	KCA	300	1
4-Isopropyltoluene	ND		*54.7*	54.7	ND	*300*	300	02/02/16	KCA	300	1
4-Methyl-2-pentanone(MIBK)	ND		*73.3*	73.3	ND	*300*	300	02/02/16	KCA	300	
Acetone	638	S	*126*	126	1510	*299*	299	02/02/16	KCA	300	
Acrylonitrile	ND		*138*	138	ND	*299*	299	02/02/16	KCA	300	
Benzene	8850		*94.0*	94.0	28300	*300*	300	02/02/16	KCA	300	
Benzyl chloride	ND		*58.0*	58.0	ND	*300*	300	02/02/16	KCA	300	

Project ID: 391 MEEKER AVE
Client ID: SV 3

Phoenix I.D.: BK57644

Parameter	ppbv Result		ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND		*44.8*	44.8	ND	*300*	300	02/02/16	KCA	300	
Bromoform	ND		*29.0*	29.0	ND	*300*	300	02/02/16	KCA	300	
Bromomethane	ND		*77.3*	77.3	ND	*300*	300	02/02/16	KCA	300	
Carbon Disulfide	ND		*96.4*	96.4	ND	*300*	300	02/02/16	KCA	300	
Carbon Tetrachloride	ND		*11.9*	11.9	ND	*74.8*	74.8	02/02/16	KCA	300	
Chlorobenzene	ND		*65.2*	65.2	ND	*300*	300	02/02/16	KCA	300	
Chloroethane	ND		*114*	114	ND	*301*	301	02/02/16	KCA	300	
Chloroform	ND		*61.5*	61.5	ND	*300*	300	02/02/16	KCA	300	
Chloromethane	ND		*145*	145	ND	*299*	299	02/02/16	KCA	300	
Cis-1,2-Dichloroethene	ND		*75.7*	75.7	ND	*300*	300	02/02/16	KCA	300	
cis-1,3-Dichloropropene	ND		*66.1*	66.1	ND	*300*	300	02/02/16	KCA	300	
Cyclohexane	34000		*872*	872	117000	*3000*	3000	02/02/16	KCA	3000	
Dibromochloromethane	ND		*35.2*	35.2	ND	*300*	300	02/02/16	KCA	300	
Dichlorodifluoromethane	ND		*60.7*	60.7	ND	*300*	300	02/02/16	KCA	300	
Ethanol	1300	S	*159*	159	2450	*299*	299	02/02/16	KCA	300	1
Ethyl acetate	ND		*83.3*	83.3	ND	*300*	300	02/02/16	KCA	300	1
Ethylbenzene	87.9		*69.1*	69.1	381	*300*	300	02/02/16	KCA	300	
Heptane	42000		*732*	732	172000	*3000*	3000	02/02/16	KCA	3000	
Hexachlorobutadiene	ND		*28.1*	28.1	ND	*300*	300	02/02/16	KCA	300	
Hexane	46100		*852*	852	162000	*3000*	3000	02/02/16	KCA	3000	
Isopropylalcohol	193	S	*122*	122	474	*300*	300	02/02/16	KCA	300	
Isopropylbenzene	ND		*61.1*	61.1	ND	*300*	300	02/02/16	KCA	300	
m,p-Xylene	158		*69.1*	69.1	686	*300*	300	02/02/16	KCA	300	
Methyl Ethyl Ketone	ND		*102*	102	ND	*301*	301	02/02/16	KCA	300	
Methyl tert-butyl ether(MTBE)	ND		*83.3*	83.3	ND	*300*	300	02/02/16	KCA	300	
Methylene Chloride	150	S	*86.4*	86.4	521	*300*	300	02/02/16	KCA	300	
n-Butylbenzene	ND		*54.7*	54.7	ND	*300*	300	02/02/16	KCA	300	1
o-Xylene	ND		*69.1*	69.1	ND	*300*	300	02/02/16	KCA	300	
Propylene	3080		*174*	174	5300	*299*	299	02/02/16	KCA	300	1
sec-Butylbenzene	ND		*54.7*	54.7	ND	*300*	300	02/02/16	KCA	300	1
Styrene	ND		*70.5*	70.5	ND	*300*	300	02/02/16	KCA	300	
Tetrachloroethene	3310		*11.1*	11.1	22400	*75.2*	75.2	02/02/16	KCA	300	
Tetrahydrofuran	ND		*102*	102	ND	*301*	301	02/02/16	KCA	300	1
Toluene	8810		*79.7*	79.7	33200	*300*	300	02/02/16	KCA	300	
Trans-1,2-Dichloroethene	ND		*75.7*	75.7	ND	*300*	300	02/02/16	KCA	300	
trans-1,3-Dichloropropene	ND		*66.1*	66.1	ND	*300*	300	02/02/16	KCA	300	
Trichloroethene	ND		*14.0*	14.0	ND	*75.2*	75.2	02/02/16	KCA	300	
Trichlorofluoromethane	ND		*53.4*	53.4	ND	*300*	300	02/02/16	KCA	300	
Trichlorotrifluoroethane	ND		*39.2*	39.2	ND	*300*	300	02/02/16	KCA	300	
Vinyl Chloride	ND		*29.4*	29.4	ND	*75.1*	75.1	02/02/16	KCA	300	
QA/QC Surrogates											
% Bromofluorobenzene	103		*%*	%	103	*%*	%	02/02/16	KCA	300	

Project ID: 391 MEEKER AVE
Client ID: SV 3

Phoenix I.D.: BK57644

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

An elevated reporting level was reported for TO15 due to a matrix interference of non target compounds.

S - Laboratory solvent, contamination is possible.

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

Phyllis Shiller, Laboratory Director
February 05, 2016
Reviewed and Released by: Greg Lawrence, Assistant Lab Director

Sample Criteria Exceedences Report

GBK57641 - EBC

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

*** No Data to Display ***

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

PHOENIX Environmental Laboratories, Inc.

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

CHAIN OF CUSTODY RECORD
AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. # | Page 1 of 1

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

Report to: Rob Bennet

Customer: EBC

Address:

Invoice to: EBC

Sampled by: Thomas Galle

Project Name: 391 Meeker Ave

Requested Deliverable: RCP ☐ ASP CAT B ☒ MCP ☐ NJ Deliverables ☐

State where samples collected: NY

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-14	TO-15
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
571641	SV4	13651	6.0	-30	-3	5356	41.7	11:27	13:27	1-22	-30	-5		X			X
571642	SV1	12867	6.0	-30	-5	5616		11:55	13:55	1-22	-30	-7		X			X
571643	SV2	12868	6.0	-30	-0	3409		11:58	13:49	1-22	-30	-3		X			X
	Did Not Use	9767	6.0	-30		3290											
571644	SV3	3165	6.0	-30	-4	5659		11:23	13:23	1-22	-30	-7		X			X
	6L 2hrs (2)																

Relinquished by:	Accepted by:	Date:	Time:
Thomas Galle		1-26-16	1210
		1-26-16	1612

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

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

Requested Criteria

Quote Number:

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

Signature: Date: