410 WEST 207TH STREET

MANHATTAN, NEW YORK

Remedial Investigation Report

NYC OER Site Numbers:

19TMP1823M/19EHAN389M and

19TMP1138M/19EHAN266M

Prepared for:

408 West 207th Property Owner LLC and

430 West 207th Property Owner LLC

c/o Taconic Investment Partners, LLC

111 Eighth Avenue

New York, New York 10011

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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

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

CERTIFICATION

I, Jessica L. Taylor, P.G., 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 408 West 207th Street and 410 West 207th Street Sites, (NYC OER Site Nos. 19TMP1823M and 19TMP1138M). 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.

Jessica L. Taylor, P.G.	6/12/19	Jessica L. Taylor
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 property is located at 408 West 207th Street and 410 West 207th Street in the Inwood section in Manhattan, New York and are identified as Block 2203 and Lots 9 and 21 on the New York City Tax Map. Figure 1 shows the Sites locations. The property is 79,900-square feet and is bounded by West 207th Street and the 207th Street Train Yard Facility and a gasoline station across the street to the north, West 206th Street to the south, 9th Avenue, beyond which is a commercial use building and the Harlem River, to the east, and residential and commercial use buildings to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is used as a grocery store and associated parking lot and contains one building on Lot 9. The one-story grocery store contains a partial basement and rooftop parking. There are two hydraulic elevators within the building, one from the rooftop parking to the first floor that is not in use, and a freight elevator from the first floor to the basement. This property will be developed in two phases. The first phase includes development of Lot 9 (OER project #s 19TMP1138M, 19EHAN266M) and the second phase includes development of Lot 21 (OER project #s 19TMP1823M, 19EHAN389M)

Summary of Proposed Redevelopment Plan

The proposed future use of the Sites will consist of mixed-use commercial and residential in three buildings, two on Lot 9 and one on Lot 21. Lots 9 and 21 are two separate projects. Layout of the proposed site development is presented in Appendix A. The current zoning designation is R7-2/C1-3 for Lot 9 and M1-1 for Lot 21. The proposed use is not consistent with existing zoning for the property, which is undergoing a zoning change. The proposed zoning change would make Lot 9 R8A and lot 21 R9A, both with C2-4 commercial overlays. Details for the planned redevelopment of each tax lot are provided below.

Lot 9

The proposed buildings on Lot 9 will cover the entire footprint of the parcel and will be comprised on a one-story base with two buildings above (Buildings 1 and 2). These are anticipated to be filed as a single New Building application for Lot 9. The commercial base will provide retail spaces ranging from 2,000 square feet (sf) to 5,500 sf along West 207th Street. Potential above-grade (street-level) uses include neighborhood retail and dining, with the possibility for a daycare and/or a gym in the larger spaces. One residential lobby will serve the two residential buildings above. These buildings will participate in the New York City Housing Preservation and Development (NYC HPD) sponsored affordable housing programs. Comprising 224,250 residential GSF and 218,700 residential GSF respectively, Buildings 1 and 2 will offer a mix of affordable studios and 1-, 2- and 3-bedroom apartments. Residential amenities include community rooms, laundry facilities, a fitness center and other spaces as directed by the client. Parking for approximately 145 cars to meet residential and retail parking requirements will be provided at grade and in the cellar. The cellar will also contain retail storage, utility service rooms, and residential back of house.

Lot 21

The building on Lot 21 will be filed as a separate New Building application, with construction anticipated to start 6 to 12 months after Lot 9. The ground floor of the building will contain a supermarket of 15,000 to 19,000sf, primarily fronting on 9th Avenue. Some small retail may also be provided on the West 207th Street frontage. The cellar level will contain retail storage, utility service rooms, and residential back of house. The ground floor will also contain an entrance lobby for the residential building above, known as Building 3. This building will be part of NYC HPD's affordable housing program, with approximately 175,710 residential GSF including affordable studios, 1, 2 and 3-bedroom apartments, and residential amenities. Residential buildings 1, 2, and 3 will be served by a common outdoor space located on the roof of the ground floor retail.

Summary of Past Uses of Site and Areas of Concern

Based on a review of previous environmental reports and documentation, including Sanborn Fire Insurance Maps, the Sites were undeveloped until 1926. From 1926 through 1969, the eastern portion of Lot 9 was occupied by the Miramar Bath House (a three-story commercial structure) and an adjoining large swimming pool on the northern portion of the parcel. An

automobile garage was present in the southern area of the Lot 21 and operated from 1926 through 1968. From 1947 to 1968 a gasoline filling station was located in the northern area of Lot 21. By 1969, all structures mentioned above were demolished and construction for the grocery store and paved parking lot areas were completed and remain present today.

The AOCs identified for these sites include:

1. Potential presence of USTs on Lot 21 related to former gasoline station.
2. Presence of hydraulic elevators within building on Lot 9
3. Potential presence of fill material throughout the Site.

Summary of the Work Performed under the Remedial Investigation

The investigation was performed in two phases: an initial limited investigation phase was completed in July and August 2018 in conjunction with the geotechnical investigation, and a supplemental phase of the investigation was completed in September and October 2018. On behalf of 410 West 207th Acquisition LLC, Roux performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 17 soil borings across the entire project Site, and collected 32 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed six temporary groundwater monitoring wells throughout the Sites collected six groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed four soil vapor probes around Site perimeter and collected four samples for chemical analysis.

Summary of Environmental Findings

This section includes data evaluation from 2011 data and 2018 investigations.

1. Elevation of the property ranges from 11 to 20 feet.
2. Depth to groundwater ranges from 9 to 12 feet at the Sites.
3. Groundwater flow is generally from west to east beneath the Sites.
4. Depth to bedrock is approximately 20 to 80 feet at the Sites.
5. The stratigraphy of the site, from the surface down, consists of 2 to 7 feet of urban fill underlain by fine to coarse sand with some gravel and silt from 7 feet to the termination of Roux's boring at 16 feet.
6. Soil/fill samples collected during the RI were compared to the New York State Department of Conservation (NYSDEC) 6 NYCRR Part 375 Section 6.8 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives (SCOs).

   <u>Lot 9:</u>

- No SVOCs, pesticides, or PCBs were detected above Unrestricted Use SCOs.
- VOCs including acetone (at 1.6 mg/kg), benzene (at 0.23 mg/kg), and total xylenes (at 0.75 mg/kg) were detected above their Unrestricted Use SCOs.
- Metals including arsenic (at 13.1 mg/kg), barium (at 967 mg/kg), cadmium (at 21 mg/kg), chromium (at 42.8 mg/kg), copper (at 520 mg/kg), lead (max. of 1,790 mg/kg), mercury (at 0.5 mg/kg), nickel (at 164 mg/kg), silver (at 39.5 mg/kg) and zinc (max. of 19,200 mg/kg) were detected above their Unrestricted Use SCOs. Of these metals, barium, cadmium, copper, lead, and zinc were also detected above their Restricted Residential Use SCOs.

Overall, the soil chemistry is consistent with data identified at sites with historic fill material in NYC.

Lot 21:

- No pesticides or PCBs were detected above Unrestricted Use SCOs.
- VOCs including 1,2,4-trimethylbenzene (max. of 184 mg/kg), 1,3,5-trimethylbenzene (at 60.5 mg/kg), benzene (max. of 0.45 mg/kg), ethylbenzene (max. of 15.4 mg/kg), naphthalene (at 140 mg/kg), n-butylbenzene (max. of 59.1 mg/kg), n-propylbenzene (max. of 111 mg/kg), sec-butylbenzene (at 20.7 mg/kg), and xylenes (at 2.7 mg/kg), were detected above their Unrestricted Use SCOs. Of these VOCs, 1,2,4-trimethylbenzene was also detected above its Restricted Residential Use SCO.
- One SVOC, naphthalene (at 56.3 mg/kg), was detected above its Unrestricted Use SCO.
- Metals including arsenic (max. of 46.2 mg/kg), cadmium (at 2.67 mg/kg), copper (max. of 473 mg/kg), chromium (at 37.1 mg/kg), lead (max. of 307 mg/kg), mercury (max. of 1.7 mg/kg), and zinc (max. of 898 mg/kg) were detected above their Unrestricted Use SCOs. Of these metals, arsenic, copper, and mercury were also detected above their Restricted Residential Use SCOs.

Overall, the soil chemistry is consistent with data identified at sites with historic fill material in NYC.

See Figure 4 for a map of soil exceedance results.

7. Groundwater samples collected during the RI were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standard (AWQS).

Lot 9:

- No pesticides or PCBs were detected above their AWQS.
- VOCs including benzene (at 20 µg/L), chloroform (at 7.3 µg/L), ethylbenzene (at 6 µg/L), m+p-xylene (at 36 µg/L), o-xylene (at 29 µg/L), styrene (at 14 µg/L), and toluene (at 23 µg/L) were detected above their AWQS.
- SVOCs including acenaphthene (at 21 µg/L), benzo[a]anthracene (at 6.7 µg/L), benzo[a]pyrene (at 6.2 µg/L), benzo[b]fluoranthene (at 8 µg/L),

benzo[k]fluoranthene (at 3.1 µg/L), chrysene (at 6.3 µg/L), indeno[1,2,3-cd]pyrene (at 3.7 µg/L), naphthalene (at 570 µg/L), and phenol (max. of 2.3 µg/L) were detected above their AWQS.

- Total metals including antimony (at 3.8 µg/L), iron (max. of 12,600), lead (at 67.2 µg/L), magnesium (max. of 137,000 µg/L), manganese (max. of 826 µg/L), and sodium (max. of 1,400,000) were detected above their AWQS.

Lot 21:

- No pesticides or PCBs were detected above their AWQS.
- VOCs including 1,2,4-trimethylbenzene (at 172 µg/L), 1,3,5-trimethylbenzene (at 51.3 µg/L), 4-isopropylbenzene (at 10 µg/L), benzene (max. of 54 µg/L), chloroform (at 8.2 µg/L), ethylbenzene (max. of 46.6 µg/L), isopropylbenzene (max. of 280 µg/L), m+p-xylene (max. of 10.5 µg/L), naphthalene (max. of 182 µg/L), n-butylbenzene (max. of 56.1 µg/L), n-propylbenzene (max. of 383 µg/L), sec-butylbenzene (max. of 30.3 µg/L), and toluene (at 5.5 µg/L) were detected above their AWQS.
- One SVOC, naphthalene (at 90 µg/L), was detected above its AWQS.
- Total metals including iron (max. of 19,400), lead (at 209 µg/L), magnesium (max. of 46,900 µg/L), manganese (max. of 726 µg/L), selenium (at 11.7 µg/L), and sodium (max. of 615,000 µg/L) were detected above their AWQS. See Figure 5 for a map of groundwater exceedance results.

8. Soil vapor samples collected during the RI were compared to the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006 and revised matrices dated May 2017.

   Lot 9:

   - Soil vapor samples collected showed moderate levels of petroleum related VOCs and low levels of chlorinated VOCs (CVOCs).
   - The total concentration of petroleum-related VOCs (BTEX) detected ranged from 991 µg/m^3 to 1,663.7 µg/m^3.
   - CVOCs including tetrachloroethylene (PCE) (at 0.75 µg/m^3 and 47 µg/m^3), trichloroethylene (TCE) (at 1.2 µg/m^3), carbon tetrachloride (at 0.84 µg/m^3), and methylene chloride (at 2.6 µg/m^3) were detected during the RI.

   Lot 21:

   - Soil vapor samples collected showed moderate levels of petroleum-related VOCs and low levels of chlorinated VOCs (CVOCs).
   - The total concentration of petroleum-related VOCs (BTEX) detected ranged from 1,313.5 µg/m^3 to 5,400 µg/m^3.
   - CVOCs including tetrachloroethylene (PCE) (at 26 µg/m^3) and 1,1,1-trichloroethane (TCA) (at 6 µg/m^3) were detected during the RI.

   See Figure 6 for a summary of soil vapor detections.

1.0 SITE BACKGROUND

410 West 207th LLC intends on enrolling in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 1.83-acre site located at 410 West 207th Street in the Inwood section of Manhattan, New York. Mixed commercial and residential use is proposed for these properties, which will be developed as two separate parcels and have future addresses of 408 and 430 West 207th Street. The RI work was performed between July and October 2018. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 410 West 207th Street in the Inwood section in Manhattan, New York and is identified as Block 2203 and Lots 9 and 21 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 79,900-square feet and is bounded by West 207th Street and the 207th Street Train Yard Facility and a gasoline station across the street to the north, West 206th Street to the south, 9th Avenue, beyond which is a commercial use building and the Harlem River, to the east, and residential and commercial use buildings to the west. A map of the site boundary is shown in Figure 2. Lot 9 is 59,949 square feet and is used as a grocery store and associated parking lot and contains one building. The one-story grocery store contains a partial basement and rooftop parking. Lot 21 is 19,984 square feet and does not contain any buildings and is used as a continuous grade level parking lot for the grocery store on Lot 9. There are two hydraulic elevators within the building on Lot 9, one from the rooftop parking to the first floor that is not in use, and a freight elevator from the first floor to the basement.

1.2 Proposed Redevelopment Plan

The proposed future use of the Sites will consist of mixed-use commercial and residential in three buildings, two on Lot 9 and one on Lot 21. Lots 9 and 21 are two separate projects. Layout of the proposed site development is presented in Appendix A. The current zoning designation is R7-2/C1-3 for Lot 9 and M1-1 for Lot 21. The proposed use is not consistent with existing

zoning for the property, which is undergoing a zoning change. The proposed zoning change would make Lot 9 R8A and lot 21 R9A, both with C2-4 commercial overlays. Details for the planned redevelopment of each tax lot are provided below.

Lot 9

The proposed buildings on Lot 9 will cover the entire footprint of the parcel and will be comprised on a one-story base with 2 buildings above (Buildings 1 and 2). These are anticipated to be filed as a single New Building application for Lot 9. The commercial base will provide retail spaces ranging from 2,000 square feet (sf) to 5,500 sf along West 207th Street. Potential uses include neighborhood retail and dining, with the possibility for a daycare and/or a gym in the larger spaces. One residential lobby will serve the two residential buildings above. These buildings will both be part of New York City Housing Preservation and Development (NYC HPD) sponsored affordable housing programs. Comprising 224,250 residential GSF and 218,700 residential GSF respectively, Buildings 1 and 2 will offer a mix of affordable studios and 1-, 2- and 3-bedroom apartments. Residential amenities include community rooms, laundry facilities, a fitness center and other spaces as directed by the client. Parking for approximately 145 cars to meet residential and retail parking requirements will be provided at grade and in the cellar. The cellar will also contain retail storage, utility service rooms, and residential back of house.

Lot 21

The building on Lot 21 will be filed as a separate New Building application, with construction anticipated to start 6 to 12 months after Lot 9. The ground floor of the building will contain a supermarket of 15,000 to 19,000sf, primarily fronting on 9th Avenue. Some small retail may also be provided on the West 207th Street frontage. The cellar level will contain retail storage, utility service rooms, and residential back of house. The ground floor will also contain an entrance lobby for the residential building above, known as Building 3. This building will be part of NYC HPD's affordable housing program, with approximately 175,710 residential GSF including affordable studios, 1, 2 and 3-bedroom apartments, and residential amenities. Residential buildings 1, 2, and 3 will be served by a common outdoor space located on the roof of the ground floor retail.

Prior to the start of new construction, the existing grocery store will be demolished. The maximum excavation depth for the planned new development is approximately 10 feet below grade through all of Lot 9 and a portion of Lot 21.

1.3 Description of Surrounding Property

The Sites are located in a mixed-use area in the Inwood section of Manhattan with mixed residential and commercial uses. The Sites are bounded by West 207th Street to the north, 9th Avenue to the east, West 206th Street to the south, and commercial and residential buildings to the west. The majority of the area is mixed residential and commercial use, with and active gasoline station and the MTA 207th Street Train Yard Facility to the north and Harlem River to the east past 9th Avenue. No sensitive receptors were identified within a 500 ft radius of the Sites. The Inwood Academy for Leadership, and intermediate level charter school, is located 600 ft south of the Sites, at 433 W 204th Street. Figure 3 shows the surrounding land usage.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Based on a review of previous environmental reports and documentation, including Sanborn Fire Insurance Maps, the Sites were undeveloped until 1926. From 1926 through 1969, the eastern portion of Lot 9 was occupied by the Miramar Bath House (a three-story commercial structure) and an adjoining large swimming pool on the northern portion of the parcel. An automobile garage was present in the southern area of the Lot 21 and operated from 1926 through 1968. From 1947 to 1968 a gasoline filling station was located in the northern area of Lot 21. By 1969, all structures mentioned above were demolished and construction for the grocery store and paved parking lot areas were completed and remain present today.

2.2 Previous Investigations

The following previous environmental reports were reviewed as part of preparation of this Remedial Investigation Report:

- Phase I ESA, prepared by EBI on behalf of The Great Atlantic & Pacific Tea Company, Inc., October 2010.
- Phase II ESA, prepared by Stantec on behalf of The Great Atlantic & Pacific Tea Company, Inc., December 2011

The Phase I ESA was completed by EBI Consultants on October 7, 2010 identified the following recognized environmental conditions (RECs):

- The potential presence of USTs in the area of the former gasoline station on Lot 21.
- The potential presence of fill material.
- The presence of two freight elevators with below-grade hydraulic cylinders service the Site.

Data from the Phase II ESA that was completed by Stantec on December 8, 2011 has been included in this RIR.

The previous environmental reports are included as Appendix B.

2.3 Site Inspection

A Site inspection was completed to develop the scope of work for Roux's site investigation on May 22, 2018 by Jessica Taylor. During the inspection all areas of the Site were accessed, including the grocery store back of house and basement areas. The presence of hydraulic elevators listed as RECs in Section 2.2 were confirmed during the inspection. No surficial evidence of the former gasoline station on Lot 21 was observed.

2.4 Areas of Concern

The AOCs identified for the sites include:

1. Potential presence of USTs on Lot 21 related to former gasoline station.
2. Presence of hydraulic elevators within building on Lot 9
3. Potential presence of fill material throughout the Site.

Previous environmental reports are presented in Appendix A. A map showing areas of concern is presented in Figure 2.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Jessica Taylor, P.G., Principal Hydrogeologist of Roux. The Principal Engineer is Noelle Clarke, P.E. The project manager is Valerie Sabatasso, Project Scientist, and the field manager onsite during RI activities was Levi Curnutte, Project Scientist, all of Roux.

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. A Site-specific Health and Safety Plan (HASP) was prepared and kept onsite during field activities. The HASP describes appropriate health and safety precautions for all Site activities and includes directions to the nearest hospital.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations. Soil cuttings were placed back into the boreholes at the completion of the field activities. Excess soils generated during the shared geotechnical investigation were drummed and disposed as part of the geotechnical scope of work.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

The investigation was performed in two phases: an initial limited investigation phase was completed in July and August 2018 in conjunction with the geotechnical investigation, and a supplemental phase of the investigation was completed in September and October 2018. On behalf of 410 West 207th Acquisition LLC, Roux performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 17 soil borings across the entire project Site, and collected 32 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed six temporary groundwater monitoring wells throughout the Site collected six groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed four soil vapor probes around Site perimeter and collected four samples for chemical analysis.

In September 2011, Stantec performed the following scope of work:

1. Installed 5 soil borings across the entire project Site, and collected 5 soil samples for chemical analysis from the soil borings to evaluate soil quality;
2. Installed 5 temporary groundwater monitoring wells throughout the Site collected 5 groundwater samples for chemical analysis to evaluate groundwater quality;

4.1 Geophysical Investigation

On July 6, 2018 NAEVA Geophysics performed a geophysical investigation of targeted portions of the Site to determine the potential presence of subsurface features such as USTs and piping. The geophysical investigation was focused on the northeast corner of the Site in the area of the former gasoline station and on the areas surrounding the proposed boring locations to avoid damage to underground utilities. Geophysical markouts on the asphalt parking lot were completed and reviewed during investigation activities. Metallic anomalies were detected in the vicinity of the former gasoline station operations, specifically in the northeast corner of Lot 21, and borings were placed near these anomalies.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

The initial soil investigation scope of work consisted of six soil borings (MR-4, MR-7, MR-9, MR-11, MR-12, and MR-14) that were performed at borings shared with the geotechnical investigation performed by Mueser Rutledge Consulting Engineers (MRCE). Four borings were completed in the paved parking lot (MR-4 and MR-14 in Lot 9 and MR-9 and MR-11 in Lot 21) using a truck-mounted mud rotary rig (without using water) using split spoon samplers. Two additional borings were completed within the grocery store, one from the first floor (MR-7) and one from the basement (MR-12), using a portable electric mud rotary rig (without using water) using split spoon samplers. All borings were advanced until the water table was encountered, at minimum, unless evidence of contamination was observed.

The supplemental soil investigation consisted of 11 soil borings (RX-1 through RX-10 and RX-12) and was implemented to extend general Site coverage and to focus on the former gasoline filling station area, storm drain catch basins, and areas with past or present hydraulic elevator activity. RX-11 was initially proposed but could not be completed due to only stone being present to the water table (i.e., no soil was available to sample).

Eight borings (RX-1 through RX-8) were completed in the paved parking lot (three in Lot 9 and five in Lot 21). Soil borings in the parking lot were advanced with a truck-mounted direct push rig until the water table or refusal was encountered. In the event refusals were encountered, the boring was moved no more than three feet of the originally proposed boring location and advanced again. Three parking lot boring locations (RX-5, RX-7, and RX-8) hit refusals and did not advance deep enough to encounter the water table. Three additional shallow borings were performed inside the grocery store, one on the first floor (RX-12) and two in the basement (RX-9 and RX-10) and were advanced to approximately three to four feet below grade.

A new dedicated acetate liner was used for the collection of each soil cores. Soil from each of the borings was visually inspected for evidence of impacts (e.g., staining, odors) and screened for organic vapors in the field using a photoionization detector (PID). Soil lithology was recorded according to the Unified Soils Classification System (USCS).

The details for each boring location are summarized in the following table:

Boring Identification	Boring Depth (ft bls)	Boring Diameter (inches)	Sample Intervals (ft bls)
MR-4	11	3	1-1.5, 9.5-11
MR-7	11	3	0.5-2.5
MR-9	10	3	1-1.5, 8-9
MR-11	13	3	0.25-0.75, 5-6.5
MR-12	9	3	1.25-3, 3-4
MR-14	11	3	1-1.5, 5-6
RX-1	16	2	0.5-2.5, 8-10, 13.5-15.5
RX-2	16	2	0.5-2.5, 10-12
RX-3	16	2	0.5-2.5, 8-10
RX-4	16	2	0.5-2.5, 9.5-11.5
RX-5	7	2	0.5-2.5, 5-7
RX-6	16	2	0.5-2.5, 9-11, 14-16
RX-7	6	2	0.5-2.5
RX-8	10	2	0.5-2.5, 8-10
RX-9	3.5	2	1-2.5
RX-10	3	2	1-3
RX-12	4	2	2.5-4

Boring logs were prepared by a scientist and are attached in Appendix C. A map showing the location of soil borings and monitor wells is shown in Figure 2.

Groundwater Monitoring Well Construction

For the initial groundwater investigation, Roux used three of MRCE's piezometer locations as monitoring wells to collect environmental groundwater samples. Two monitoring wells were located in the parking lot (MR-9 on Lot 21 and MR-14 on Lot 9). These wells were installed to a depth of approximately 15 feet below land surface (ft bls) and constructed using one-inch diameter polyvinyl chloride (PVC) riser and a porous filter at the bottom of the riser. One

additional monitoring well was installed in the basement (MR-12) to a depth of approximately ten feet below the concrete slab in a similar manner as described above.

Three of the soil borings located in the parking lot were converted to temporary groundwater monitoring wells (RX-2 on Lot 21 and RX-4 and RX-6 on Lot 9) for the supplemental investigation. The wells were advanced approximately 10-15 ft bls to bridge the water table, which was encountered at approximately 9- 12 ft bls. The temporary monitoring wells were constructed of one-inch PVC riser and five feet of well screen.

Monitoring well locations are shown in Figure 2.

Soil Vapor Point Installation

During the initial investigation four vapor sampling points were installed. Three soil vapor sampling points, V-2 in Lot 9 and V-3 and V-5 in Lot 21, were installed in the parking lot to a depth of approximately five ft bls using a truck-mounted mud rotary rig (without using water). At each location, a temporary six-inch stainless-steel screen was installed to a depth of approximately 5 ft bls with Teflon-lined sampling tubing extending to the surface. The annular space surrounding the screen was backfilled with clean sand to just below grade and sealed with bentonite to prevent ambient air intrusion. One soil vapor point (V-4) was installed in the grocery store basement approximately two feet below the concrete slab using hand tools and a stainless-steel screen and Teflon tubing as described above.

The integrity of each soil vapor sampling point seal was checked in accordance with New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York following installation to verify that the soil vapor sample was not compromised by inadvertent introduction of ambient air into the sample. This step was conducted as a QA/QC measure to verify that the soil vapor sample was compromised by inadvertent introduction of ambient air into the sample. Soil vapor was purged from the point using an air pump calibrated to approximately 0.2 liters per minute while the sampling point was covered at the surface with a small enclosure that is partially filled with helium. The soil vapor discharging from the air pump and the air within the enclosure was continuously monitored for helium during purging.

Samples were collected using batch certified vacuum canisters equipped with laboratory-supplied, two-hour regulators for analysis of organic vapors.

Survey

All soil borings, monitoring wells, and soil vapor sampling point locations were measured from fixed points in the field by the field manager.

Water Level Measurement

Each temporary monitoring wells was gauged prior to sampling. Depth-to-groundwater readings throughout the Site ranged from approximately 9 to 12 feet bls. Under natural, undisturbed conditions, shallow groundwater flow generally follows the topography of the land surface. Based on the surrounding topography, the presumed groundwater flow in the vicinity of the Site is in an easterly direction towards the Harlem River, located approximately 500 feet to the east of the Site.

4.3 Sample Collection and Chemical Analysis

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

Soil Sampling

Thirty-two soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1 through 5. Figure 2 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

At the four borings performed in the parking lot (MR-4 and MR-14 in Lot 9 and MR-9 and MR-11 in Lot 21) during the initial investigation, one soil sample was collected from the six-inch interval below the asphalt pavement and sub-base and the second sample was collected at either the interval with the greatest evidence of impact (elevated PID detections, odors, or staining) or

from the interval directly above the water table. For each of the borings in the grocery store (MR-7 on the first floor and MR-12 in the basement), one soil sample was collected at each location from the two-foot interval directly under the building concrete slab and an additional deeper soil sample was collected from the basement boring (MR-12) after evidence of impact was observed.

For the eight borings completed in the parking lot (RX-1 through RX-8) during the supplemental investigation, one soil sample was collected from the two-foot interval below the asphalt pavement and a second sample was collected at either the interval with the greatest evidence of impact or from the two-foot interval directly above the water table. Three parking lot borings (RX-5, RX-7, and RX-8) encountered refusals and shallow soil samples were collected in the same manner as described above. For these samples, a second sample was collected at the two-foot interval directly above where the refusal was encountered. Three additional shallow borings were performed inside the grocery store, one on the first floor (RX-12) and two in the basement (RX-9 and RX-10) and were advanced to approximately three to four feet below grade. One sample was collected at each location from the approximate two-foot interval directly below the building slab. One duplicate soil sample was collected for quality assurance/quality control (QA/QC) purposes.

Sampling equipment was decontaminated in accordance with DER-10. Upon collection all samples were placed in ice-filled coolers and picked up from the Site by a laboratory courier following chain of custody procedures.

Groundwater Sampling

Six groundwater samples were collected for chemical analysis during this RI. Data on groundwater sample collection for chemical analyses, including dates of collection, is reported in Tables 6 through 10. Figure 2 shows the location of groundwater sampling. Laboratories and analytical methods are shown below.

Once all of the monitoring wells were installed, one groundwater sample was collected from each of the three piezometer wells on August 2, 2018 using a low-flow sampling technique.

Immediately following installation of the supplemental monitoring wells, one groundwater sample was collected from each using a low-flow sampling technique. One duplicate groundwater sample was collected for QA/QC purposes. Sampling equipment was

decontaminated in accordance with DER-10. Upon collection all samples were placed in ice-filled coolers and picked up from the Site by a laboratory courier following chain of custody procedures.

Soil Vapor Sampling

Four soil vapor probes were installed and four soil vapor samples were collected for chemical analysis during this RI. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.*

During the initial investigation four vapor sampling points were installed. Three soil vapor sampling points, V-2 in Lot 9 and V-3 and V-5 in Lot 21, were installed in the parking lot to a depth of approximately 5 ft bls using a truck-mounted mud rotary rig (without using water). At each location, a temporary six-inch stainless-steel screen was installed to a depth of approximately 5 ft bls with Teflon-lined sampling tubing extending to the surface. The annular space surrounding the screen was backfilled with clean sand to just below grade and sealed with bentonite to prevent ambient air intrusion. One soil vapor point (V-4) was installed in the grocery store basement approximately two feet below the concrete slab using hand tools and a stainless-steel screen and Teflon tubing as described above.

The integrity of each soil vapor sampling point seal was checked in accordance with New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York following installation to verify that the soil vapor sample was not compromised by inadvertent introduction of ambient air into the sample. This step was conducted as a QA/QC measure to verify that the soil vapor sample was compromised by inadvertent introduction of ambient air into the sample. Soil vapor was purged from the point using an air pump calibrated to approximately 0.2 liters per minute while the sampling point was covered at the surface with a small enclosure that is partially filled with helium. The soil vapor discharging from the air pump and the air within the enclosure was continuously monitored for helium during purging.

Samples were collected using batch certified vacuum canisters equipped with laboratory-supplied, two-hour regulators for analysis of organic vapors.

Soil vapor sampling locations are shown in Figure 2. Soil vapor sample collection data is reported in Table 11.

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 Jessica L. Taylor, P.G.
Chemical Analytical Laboratory	Chemical analytical laboratory used in the RI is NYS ELAP certified and was Test America Laboratories of Edison, New Jersey and Burlington, Vermont.
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Table 1 through 11, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix D.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

The top 2 to 7 feet of the Site is underlain with a mixture of urban fill consisting of sand, gravel, brick, tile, and glass. Beneath the urban fill the subsurface is predominantly comprised of fine to coarse sand with some gravel and silt. Groundwater was encountered at approximately 9 to 12 feet bls. Bedrock was not encountered during this investigation but was encountered between 20 and 80 ft bls during the geotechnical investigation.

Hydrogeology

The average depth to groundwater is 9.5 ft bls and the range in depth is 9 to 12 ft bls. The temporary wells were not surveyed, so a groundwater flow map was not generated. However, under natural, undisturbed conditions, shallow groundwater flow generally follows the topography of the land surface. Based on the surrounding topography, the presumed groundwater flow in the vicinity of the Site is in an easterly direction towards the Harlem River, located approximately 500 feet to the east of the Site.

5.2 Soil Chemistry

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 1 through 5. Figure 4 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 2 Soil Cleanup Objectives. Roux has prepared this section broken up by tax lot since the Remedial Action Work Plans will be separated by lot.

Lot 9:

A total of 19 soil samples (16 by Roux, 3 by Stantec) were collected for laboratory analysis from 10 soil borings located at the site. Soil/fill samples collected during the RI were compared to NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives and Restricted Use Restricted-Residential Soil Cleanup Objectives. Laboratory analytical reports are provided in Appendix D.

No SVOCs, pesticides, or PCBs were detected above Unrestricted Use SCOs.

VOCs including acetone (at 1.6 mg/kg within MR-4 [9.55-11 ft bls]), benzene (at 0.23 mg/kg within RX-4 [0.5-2.5 ft bls]), and total xylenes (at 0.75 mg/kg within RX-4 [0.5-2.5 ft bls]) were detected above their Unrestricted Use SCOs.

Metals including arsenic (at 13.1 mg/kg within RX-4 [0.5-2.5 ft bls]), barium (at 967 mg/kg within RX-4 [0.5-2.5 ft bls]), cadmium (at 21 mg/kg within RX-4 [0.5-2.5 ft bls]), chromium (at 42.8 mg/kg within RX-4 [0.5-2.5 ft bls]), lead (max. of 1,790 mg/kg within RX-4 [0.5-2.5 ft bls]), mercury (at 0.5 mg/kg within RX-4 [0.5-2.5 ft bls]), nickel (at 164 mg/kg within RX-4 [0.5-2.5 ft bls]), silver (at 39.5 mg/kg within RX-4 [5-6 ft bls]), and zinc (max. of 19,200 mg/kg within RX-4 [0.5-2.5 ft bls]) were detected above their Unrestricted Use SCOs. Of these metals, barium, cadmium, copper, lead, and zinc were also detected above their Restricted Residential Use SCOs. Certain metals are naturally occurring compounds in soil and others are commonly associated with historic urban fill. The concentrations present at the Site could be attributed to historic fill or previous Site operations and the highest concentrations appear to be limited to the area of the former swimming pool that was filled in.

Lot 21:

A total of 18 soil samples and one field duplicate (16 by Roux, 2 by Stantec) were collected for laboratory analysis from eight soil borings located at the site. Soil/fill samples collected during the RI were compared to NYSDEC 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives and Restricted Use Restricted-Residential Soil Cleanup Objectives. Laboratory analytical reports are provided in Appendix D.

No pesticides or PCBs were detected above Unrestricted Use SCOs.

VOCs including 1,2,4-trimethylbenzene (max. of 184 mg/kg within B-103 [6.5-7 ft bls]), 1,3,5-trimethylbenzene (at 60.5 mg/kg within within B-103 [6.5-7 ft bls]), benzene (max. of 0.45 mg/kg within RX-1 [0.2-2.5 ft bls]), ethylbenzene (max. of 15.4 mg/kg within B-102 [6.5-7 ft bls]), naphthalene (at 140 mg/kg within B-102 [6.5-7 ft bls]), n-butylbenzene (max. of 59.1 mg/kg within B-102 [6.5-7 ft bls]), n-propylbenzene (max. of 111 mg/kg within B-102 [6.5-7 ft bls]), sec-butylbenzene (at 20.7 mg/kg within B-102 [6.5-7 ft bls]), and xylenes (at 2.7 mg/kg within RX-1 [0.5-2.5 ft bls]), were detected above their Unrestricted Use SCOs. Of these VOCs, 1,2,4-trimethylbenzene was also detected above its Restricted Residential Use SCO.

One SVOC, naphthalene (at 56.3 mg/kg within B-102 [6.5-7 ft bls]), was detected above its Unrestricted Use SCO.

Metals including arsenic (max. of 46.2 mg/kg within RX-2 [0.2-2.5 ft bls]), cadmium (at 2.67 mg/kg within B-102 [6.5-7 ft bls]), copper (max. of 473 mg/kg within RX-8 [0.5-2.5 ft bls]), chromium (at 37.1 mg/kg within B-102 [6.5-7 ft bls]), lead (max. of 307 mg/kg within RX-2 [0.5-2.5 ft bls]), mercury (max. of 1.7 mg/kg within RX-1 [0.5-2.5 ft bls]), and zinc (max. of 898 mg/kg within RX-8 [0.2-2.5 ft bls]) were detected above their Unrestricted Use SCOs. Of these metals, arsenic, copper, and mercury were also detected above their Restricted Residential Use SCOs. Certain metals are naturally occurring compounds in soil and others are commonly associated with historic urban fill. The concentrations present at the Site could be attributed to historic fill or previous Site operations.

5.3 Groundwater Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Tables 6 through 10. Exceedance of applicable groundwater standards are shown.

Figure 5 shows the location and posts the values for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

Lot 9:

Seven groundwater samples and a field duplicate (four by Roux, three by Stantec) were collected for laboratory analysis. Groundwater samples collected during the RI were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standard (AWQS). Four samples contained analytical concentrations in exceedance of the AWQSGVs.

No pesticides or PCBs were detected above their AWQS.

VOCs including benzene (at 20 µg/L within MR-12), chloroform (at 7.3 µg/L within MR-14), ethylbenzene (at 6 µg/L within MR-12), m+p-xylene (at 36 µg/L within MR-12), o-xylene (at 29 µg/L within MR-12), styrene (at 14 µg/L within MR-12), and toluene (at 23 µg/L within MR-12) were detected above their AWQS.

SVOCs including acenaphthene (at 21 µg/L within MR-12), benzo[a]anthracene (at 6.7 µg/L), benzo[a]pyrene (at 6.2 µg/L within RX-4), benzo[b]fluoranthene (at 8 µg/L within RX-4),

benzo[k]fluoranthene (at 3.1 µg/L within RX-4), chrysene (at 6.3 µg/L within RX-4), indeno[1,2,3-cd]pyrene (at 3.7 µg/L within RX-4), naphthalene (at 570 µg/L within MR-12), and phenol (max. of 2.3 µg/L within RX-4) were detected above their AWQS.

Total metals including antimony (at 3.8 µg/L within RX-4), iron (max. of 12,600 within MR-12), lead (at 67.2 µg/L within RX-4), magnesium (max. of 137,000 µg/L within RX-6), manganese (max. of 826 µg/L within RX-4 DUP), and sodium (max. of 1,400,000 within RX-4 DUP) were detected above their AWQS. Iron, magnesium and sodium are naturally occurring metals. Most of the elevated concentrations of metals are likely from sediments in the groundwater sample and/or are naturally occurring.

Lot 21:

Four groundwater samples (two by Roux, two by Stantec) were collected for laboratory analysis from Lot 21. Groundwater samples collected during the RI were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standard (AWQS).

No pesticides or PCBs were detected above their AWQS.

VOCs including 1,2,4-trimethylbenzene (at 172 µg/L within B-102), 1,3,5-trimethylbenzene (at 51.3 µg/L within B-102), 4-isopropylbenzene (at 10 µg/L within B-102), benzene (max. of 54 µg/L within RX-2), chloroform (at 8.2 µg/L within MR-9), ethylbenzene (max. of 46.6 µg/L within B-102), isopropylbenzene (max. of 280 µg/L within RX-2), m+p-xylene (max. of 10.5 µg/L within B-102), naphthalene (max. of 182 µg/L within B-103), n-butylbenzene (max. of 56.1 µg/L within B-103), n-propylbenzene (max. of 383 µg/L within B-103), sec-butylbenzene (max. of 30.3 µg/L within B-103), and toluene (at 5.5 µg/L within RX-2) were detected above their AWQS.

One SVOC, naphthalene (at 90 µg/L within RX-2), was detected above its AWQS.

Total metals including iron (max. of 19,400 within RX-2), lead (at 209 µg/L within RX-2), magnesium (max. of 46,900 µg/L within RX-2), manganese (max. of 726 µg/L within RX-2), selenium (at 11.7 µg/L within MR-9), and sodium (max. of 615,000 µg/L within MR-9) were detected above their AWQS. Most of the elevated concentrations of metals are likely from sediments in the groundwater sample and/or are naturally occurring.

5.4 Soil Vapor Chemistry

A total of four soil vapor samples were collected and analyzed for VOCs using USEPA Method TO-15. Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 11. Figure 6 shows the location and posts the values for soil vapor samples with detected concentrations. Laboratory analytical reports are provided in Appendix D.

Lot 9:

Soil vapor samples were collected from two locations for laboratory analysis across Lot 9, with one sample collected from the outdoor parking lot (V-2) and one from beneath the grocery store basement (V-4). Soil vapor samples collected during the RI were compared to the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006 and revised matrices dated May 2017.

Soil vapor samples collected showed moderate levels of petroleum related VOCs and low levels of chlorinated VOCs (CVOCs). The total concentration of petroleum-related VOCs (BTEX) detected ranged from 991 µg/m^3 to 1,663.7 µg/m^3, with the maximum concentration within V-2. CVOCs including tetrachloroethylene (PCE) (at 0.75 µg/m^3 and 47 µg/m^3 [within V-2]), trichloroethylene (TCE) (at 1.2 µg/m^3 within V-4), carbon tetrachloride (at 0.84 µg/m^3 within V-4), and methylene chloride (at 2.6 µg/m^3 within V-4) were detected during the RI.

The proposed development will include parking in a large portion of the cellar level, which will require ventilation and air circulation throughout the area.

Lot 21:

Two soil vapor samples were collected for laboratory analysis in Lot 21 from locations near the former gasoline pumping station (V-3) and former auto garage (V-5). Soil vapor samples collected during the RI were compared to the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006 and revised matrices dated May 2017.

Soil vapor samples collected showed moderate levels of petroleum-related VOCs and low levels of CVOCs. The total concentration of BTEX detected ranged from 1,313.5 µg/m^3 to 5,400 µg/m^3, with the maximum concentration within V-3. CVOCs including tetrachloroethylene

(PCE) (at 26 µg/m^3 within V-5) and 1,1,1-trichloroethane (TCA) (at 6 µg/m^3 within V-5) were detected during the RI.

The proposed development on Lot 21 will only include a partial basement for mechanical space.

5.5 Prior Activity

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

5.6 Impediments to Remedial Action

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

TABLES

Notes Utilized Throughout Tables	
Soil Tables	
J -	Estimated value
U -	Indicates that the compound was analyzed for but not detected
B -	The analyte was found in an associated blank as well as in the sample
P -	The RPD between the results for the two columns exceeds the method-specified criteria
I -	The lower value for the two columns has been reported due to obvious interference
RPD -	Relative Percent Difference
T -	Indicates that a quality control parameter has exceeded laboratory limits
ft bls -	Feet below land surface
DUP -	Duplicate sample
NA -	Compound was not analyzed for by laboratory
mg/kg -	Milligrams per kilogram
NYSDEC -	New York State Department of Environmental Conservation
UUSCO -	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives
RRSCO -	NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives
--	No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO	
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO	
Groundwater Tables	
NYSDEC -	New York State Department of Environmental Conservation
AWQSGVs -	Ambient Water-Quality Standards and Guidance Values
J -	Estimated Value
U -	Compound was analyzed for but not detected
T -	Indicates that a quality control parameter has exceeded laboratory limits
DUP -	Duplicate
--	No NYSDEC AWQSGV available
NA -	Compound was not analyzed for by laboratory
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs	
Soil Vapor/Ambient Air	
J -	Estimated value
U -	Indicates that the compound was analyzed for but not detected
ug/m3 -	Micrograms per cubic meter
Bold data indicates that parameter was detected	

Table 1. Summary of Volatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	**Lot Number:**	9	9	9	21	21	21	21
				Sample Designation:	MR-4	MR-4	MR-7	MR-9	MR-9	MR-11	MR-11
				Sample Date:	7/24/2018	7/24/2018	8/2/2018	7/26/2018	7/26/2018	7/23/2018	7/23/2018
				Sample Depth (ft bls):	1 - 1.5	9.5 - 11	0.5 - 2.5	1 - 1.5	8 - 9	0.25 - 0.75	5 - 6.5
1,1,1-Trichloroethane	0.68	100	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
1,1,2,2-Tetrachloroethane	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
1,1,2-Trichloroethane	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	100	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.00037 J
1,2,3-Trichlorobenzene	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
1,2,4-Trichlorobenzene	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
1,2-Dibromoethane	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.00040 J
1,2-Dichloropropane	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
1,3,5-Trimethylbenzene	8.4	52	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
1,4-Dioxane	0.1	13	mg/kg		0.023 U	0.026 U	0.022 U	0.024 U	0.02 U	0.021 U	0.022 U
2-Butanone (MEK)	0.12	100	mg/kg		0.0056 U	0.0040 J	0.0055 U	0.0061 U	0.0043 J	0.0054 U	0.0055 U
2-Hexanone	--	--	mg/kg		0.0056 UT	0.0019 JT	0.0055 U	0.0061 U	0.005 U	0.0054 U	0.0055 U
4-Methyl-2-pentanone (MIBK)	--	--	mg/kg		0.0056 UT	0.0064 UT	0.0055 U	0.0061 U	0.005 U	0.0054 U	0.0055 U
Acetone	0.05	100	mg/kg		0.0067	**1.6**	0.0055 U	0.014	0.023	0.0054 U	0.0066
Benzene	0.06	4.8	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0018
Bromochloromethane	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Bromodichloromethane	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Bromoform	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Bromomethane	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Carbon disulfide	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.00074 J	0.0011 U	0.0011 U
Carbon tetrachloride	0.76	2.4	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	100	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Chloroethane	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Chloroform	0.37	49	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.00057 J
Chloromethane	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 UT	0.0012 U	0.001 U	0.0011 U	0.0011 U
cis-1,2-Dichloroethene	0.25	100	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
cis-1,3-Dichloropropene	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Cyclohexane	--	--	mg/kg		0.0011 U	0.0044	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Dibromochloromethane	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Dibromochloropropane	--	--	mg/kg		0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U

Table 1. Summary of Volatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number: / Sample Designation: / Sample Date: / Sample Depth (ft bls):						
				9 / MR-4 / 7/24/2018 / 1 - 1.5	9 / MR-4 / 7/24/2018 / 9.5 - 11	9 / MR-7 / 8/2/2018 / 0.5 - 2.5	21 / MR-9 / 7/26/2018 / 1 - 1.5	21 / MR-9 / 7/26/2018 / 8 - 9	21 / MR-11 / 7/23/2018 / 0.25 - 0.75	21 / MR-11 / 7/23/2018 / 5 - 6.5
Dichlorodifluoromethane	--	--	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Ethylbenzene	1	41	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.00071 J
Freon 113	--	--	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Isopropylbenzene	--	--	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
m+p-Xylene	--	--	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.00036 J	0.0016
Methyl acetate	--	--	mg/kg	0.0056 U	0.0064 U	0.0055 U	0.0061 U	0.005 U	0.0054 U	0.0055 U
Methylcyclohexane	--	--	mg/kg	0.0011 U	0.00023 J	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Methylene chloride	0.05	100	mg/kg	0.00044 BJ	0.0013 U	0.00021 BJ	0.0012 U	0.00032 BJ	0.0011 U	0.00057 BJ
MTBE	0.93	100	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
n-Butylbenzene	12	100	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
n-Propylbenzene	3.9	100	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
o-Xylene	--	--	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.00026 J	0.00072 J
sec-Butylbenzene	11	100	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Styrene	--	--	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
tert-Butylbenzene	5.9	100	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Tetrachloroethene	1.3	19	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Toluene	0.7	100	mg/kg	0.0011 U	0.003	0.0011 U	0.0012 U	0.0022	0.0011 U	0.0038
trans-1,2-Dichloroethene	0.19	100	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
trans-1,3-Dichloropropene	--	--	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Trichloroethene	0.47	21	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Trichlorofluoromethane	--	--	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Vinyl chloride	0.02	0.9	mg/kg	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.001 U	0.0011 U	0.0011 U
Xylenes (total)	0.26	100	mg/kg	0.0023 U	0.0026 U	0.0022 U	0.0024 U	0.002 U	0.00062 J	0.0023
Total VOCs	--	--	mg/kg	0.00714	1.61353	0.00021	0.014	0.03056	0.00124	0.01944

Table 1. Summary of Volatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	9	9	9	21	21	21
				Sample Designation:	MR-12	MR-12	MR-14	MR-14	RX-1	RX-1	RX-1
				Sample Date:	7/24/2018	7/24/2018	7/30/2018	7/30/2018	9/26/2018	9/26/2018	9/26/2018
				Sample Depth (ft bls):	1.25 - 3	3 - 4	1 - 1.5	5 - 6	0.5 - 2.5	5.0 - 7.0	8.0 - 10.0
1,1,1-Trichloroethane	0.68	100	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
1,1,2,2-Tetrachloroethane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
1,1,2-Trichloroethane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
1,1-Dichloroethane	0.27	26	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
1,1-Dichloroethene	0.33	100	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
1,2,3-Trichlorobenzene	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
1,2,4-Trichlorobenzene	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
1,2,4-Trimethylbenzene	3.6	52	mg/kg		0.013	0.011	0.0011 U	0.0011 U	1	0.070 J	**82**
1,2-Dibromoethane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
1,2-Dichlorobenzene	1.1	100	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
1,2-Dichloroethane	0.02	3.1	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
1,2-Dichloropropane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
1,3,5-Trimethylbenzene	8.4	52	mg/kg		0.00050 J	0.0037	0.0011 U	0.0011 U	0.41	0.095 U	0.45
1,3-Dichlorobenzene	2.4	49	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
1,4-Dichlorobenzene	1.8	13	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
1,4-Dioxane	0.1	13	mg/kg		0.021 U	0.02 U	0.021 U	0.022 U	5.3 U	4.8 U	5.2 U
2-Butanone (MEK)	0.12	100	mg/kg		0.0040 J	0.0032 J	0.0026 J	0.0015 J	0.53 U	0.48 U	0.52 U
2-Hexanone	--	--	mg/kg		0.0053 UT	0.0051 UT	0.0053 U	0.0054 U	0.53 U	0.48 U	0.52 U
4-Methyl-2-pentanone (MIBK)	--	--	mg/kg		0.0053 UT	0.0051 UT	0.0053 U	0.0054 U	0.53 U	0.48 U	0.52 U
Acetone	0.05	100	mg/kg		0.022	0.016	0.0069	0.0046 J	0.53 U	0.48 U	0.52 U
Benzene	0.06	4.8	mg/kg		0.00089 J	0.0011	0.0011 U	0.0011 U	**0.45**	0.095 U	0.1 U
Bromochloromethane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
Bromodichloromethane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
Bromoform	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 UT	0.1 U
Bromomethane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 UT	0.1 U
Carbon disulfide	--	--	mg/kg		0.0011 U	0.00075 J	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
Carbon tetrachloride	0.76	2.4	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
Chlorobenzene	1.1	100	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
Chloroethane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 UT	0.1 U
Chloroform	0.37	49	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
Chloromethane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
cis-1,2-Dichloroethene	0.25	100	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
cis-1,3-Dichloropropene	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
Cyclohexane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.053 J	0.1 U
Dibromochloromethane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
Dibromochloropropane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U

Table 1. Summary of Volatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	9	9	9	21	21	21
				Sample Designation:	MR-12	MR-12	MR-14	MR-14	RX-1	RX-1	RX-1
				Sample Date:	7/24/2018	7/24/2018	7/30/2018	7/30/2018	9/26/2018	9/26/2018	9/26/2018
				Sample Depth (ft bls):	1.25 - 3	3 - 4	1 - 1.5	5 - 6	0.5 - 2.5	5.0 - 7.0	8.0 - 10.0
Dichlorodifluoromethane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
Ethylbenzene	1	41	mg/kg		0.015	0.014	0.0011 U	0.0011 U	**6.4**	0.12	**1.1**
Freon 113	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
Isopropylbenzene	--	--	mg/kg		0.0053	0.0042	0.0011 U	0.0011 U	1.9	0.71	7
m+p-Xylene	--	--	mg/kg		0.0057	0.0082	0.0011 U	0.0011 U	2.4	0.22	0.11
Methyl acetate	--	--	mg/kg		0.0053 U	0.0051 U	0.0053 U	0.0054 U	0.53 U	0.089 J	0.52 U
Methylcyclohexane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	5.9	0.33 T	2.8
Methylene chloride	0.05	100	mg/kg		0.0011 U	0.0020 B	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
MTBE	0.93	100	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
n-Butylbenzene	12	100	mg/kg		0.00023 J	0.00015 J	0.0011 U	0.0011 U	4.5	1.3	**14**
n-Propylbenzene	3.9	100	mg/kg		0.0014	0.00097 J	0.0011 U	0.0011 U	**4.4**	2	**19**
o-Xylene	--	--	mg/kg		0.0034	0.0038	0.0011 U	0.0011 U	0.3	0.037 J	0.1 U
sec-Butylbenzene	11	100	mg/kg		0.00011 J	0.001 U	0.0011 U	0.0011 U	1.8	0.61	4.6
Styrene	--	--	mg/kg		0.00019 J	0.00030 J	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
tert-Butylbenzene	5.9	100	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.25	0.067 J	0.48
Tetrachloroethene	1.3	19	mg/kg		0.0011 U	0.001 U	0.00033 J	0.00017 J	0.11 U	0.095 U	0.1 U
Toluene	0.7	100	mg/kg		0.00090 J	0.0022	0.0011 U	0.0011 U	0.22	0.15	0.1 U
trans-1,2-Dichloroethene	0.19	100	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
trans-1,3-Dichloropropene	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
Trichloroethene	0.47	21	mg/kg		0.0011 U	0.001 U	0.00016 J	0.0011 U	0.11 U	0.095 U	0.1 U
Trichlorofluoromethane	--	--	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
Vinyl chloride	0.02	0.9	mg/kg		0.0011 U	0.001 U	0.0011 U	0.0011 U	0.11 U	0.095 U	0.1 U
Xylenes (total)	0.26	100	mg/kg		0.009	0.012	0.0021 U	0.0022 U	**2.7**	0.26	0.11 J
Total VOCs	--	--	mg/kg		0.08162	0.08357	0.00999	0.00627	32.63	6.016	131.65

Table 1. Summary of Volatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	21	21	21	21	21	21	9
				Sample Designation:	RX-1	RX-2	RX-2	RX-3	RX-3 DUP	RX-3	RX-4
				Sample Date:	9/26/2018	9/26/2018	9/26/2018	9/27/2018	9/27/2018	9/27/2018	9/28/2018
				Sample Depth (ft bls):	13.5 - 15.5	0.5 - 2.5	10 - 12	0.5 - 2.5	0.5 - 2.5	10 - 12	0.5 - 2.5
1,1,1-Trichloroethane	0.68	100	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
1,1,2,2-Tetrachloroethane	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
1,1,2-Trichloroethane	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
1,1-Dichloroethane	0.27	26	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
1,1-Dichloroethene	0.33	100	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
1,2,3-Trichlorobenzene	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
1,2,4-Trichlorobenzene	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
1,2,4-Trimethylbenzene	3.6	52	mg/kg		1.1	0.0018	0.050 J	0.0013 U	0.0013 U	0.00024 J	0.33
1,2-Dibromoethane	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
1,2-Dichlorobenzene	1.1	100	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
1,2-Dichloroethane	0.02	3.1	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 UT
1,2-Dichloropropane	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
1,3,5-Trimethylbenzene	8.4	52	mg/kg		0.11 U	0.00042 J	1.2	0.0013 U	0.0013 U	0.0011 U	0.13
1,3-Dichlorobenzene	2.4	49	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
1,4-Dichlorobenzene	1.8	13	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
1,4-Dioxane	0.1	13	mg/kg		5.5 U	0.029 U	5.1 U	0.027 U	0.025 U	0.022 U	5.4 U
2-Butanone (MEK)	0.12	100	mg/kg		0.55 U	0.009	0.51 U	0.0033 J	0.0024 J	0.0049 J	0.54 U
2-Hexanone	--	--	mg/kg		0.55 U	0.0072 U	0.51 U	0.0067 U	0.0063 U	0.0054 U	0.54 U
4-Methyl-2-pentanone (MIBK)	--	--	mg/kg		0.55 U	0.0072 U	0.51 U	0.0067 U	0.0063 U	0.0054 U	0.54 U
Acetone	0.05	100	mg/kg		0.55 U	0.039	0.51 U	0.017	0.013	0.028	0.54 U
Benzene	0.06	4.8	mg/kg		0.11 U	0.0098	0.047 J	0.0013 U	0.0013 U	0.00044 J	**0.23**
Bromochloromethane	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
Bromodichloromethane	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
Bromoform	--	--	mg/kg		0.11 UT	0.0014 U	0.1 UT	0.0013 U	0.0013 U	0.0011 U	0.11 U
Bromomethane	--	--	mg/kg		0.11 UT	0.0014 U	0.1 UT	0.0013 U	0.0013 U	0.0011 U	0.11 U
Carbon disulfide	--	--	mg/kg		0.11 U	0.0019	0.1 U	0.0013 U	0.0013 U	0.0019	0.11 U
Carbon tetrachloride	0.76	2.4	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
Chlorobenzene	1.1	100	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
Chloroethane	--	--	mg/kg		0.11 UT	0.0014 U	0.1 UT	0.0013 U	0.0013 U	0.0011 U	0.11 U
Chloroform	0.37	49	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
Chloromethane	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
cis-1,2-Dichloroethene	0.25	100	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.039 J
cis-1,3-Dichloropropene	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
Cyclohexane	--	--	mg/kg		0.47	0.0014 U	11	0.0013 U	0.0013 U	0.0011 U	0.093 J
Dibromochloromethane	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
Dibromochloropropane	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U

Table 1. Summary of Volatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	21	21	21	21	21	21	9
				Sample Designation:	RX-1	RX-2	RX-2	RX-3	RX-3 DUP	RX-3	RX-4
				Sample Date:	9/26/2018	9/26/2018	9/26/2018	9/27/2018	9/27/2018	9/27/2018	9/28/2018
				Sample Depth (ft bls):	13.5 - 15.5	0.5 - 2.5	10 - 12	0.5 - 2.5	0.5 - 2.5	10 - 12	0.5 - 2.5
Dichlorodifluoromethane	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
Ethylbenzene	1	41	mg/kg		0.14	0.0037	**1.1**	0.0013 U	0.0013 U	0.00034 J	0.38
Freon 113	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
Isopropylbenzene	--	--	mg/kg		1.4	0.003	13	0.0013 U	0.0013 U	0.00074 J	0.067 J
m+p-Xylene	--	--	mg/kg		0.11 U	0.0066	0.058 J	0.0013 U	0.0013 U	0.00033 BJ	0.61
Methyl acetate	--	--	mg/kg		0.55 U	0.0072 U	0.51 U	0.0067 U	0.0063 U	0.0054 U	0.54 U
Methylcyclohexane	--	--	mg/kg		2.4 T	0.0014 U	33 T	0.0013 U	0.0013 U	0.0011 U	0.85
Methylene chloride	0.05	100	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
MTBE	0.93	100	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
n-Butylbenzene	12	100	mg/kg		2.3	0.0075	**16**	0.0013 U	0.0013 U	0.0011 U	0.23
n-Propylbenzene	3.9	100	mg/kg		3.9	0.0089	**43**	0.0013 U	0.0013 U	0.0011	0.22
o-Xylene	--	--	mg/kg		0.11 U	0.00050 J	0.1 U	0.0013 U	0.0013 U	0.00017 J	0.14
sec-Butylbenzene	11	100	mg/kg		0.76	0.0095	5.4	0.0013 U	0.0013 U	0.0011 U	0.12
Styrene	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
tert-Butylbenzene	5.9	100	mg/kg		0.066 J	0.0012 J	0.25	0.0013 U	0.0013 U	0.00043 J	0.11 U
Tetrachloroethene	1.3	19	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
Toluene	0.7	100	mg/kg		0.11 U	0.0025	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.36
trans-1,2-Dichloroethene	0.19	100	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
trans-1,3-Dichloropropene	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
Trichloroethene	0.47	21	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.00094 BJ	0.11 U
Trichlorofluoromethane	--	--	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 UT
Vinyl chloride	0.02	0.9	mg/kg		0.11 U	0.0014 U	0.1 U	0.0013 U	0.0013 U	0.0011 U	0.11 U
Xylenes (total)	0.26	100	mg/kg		0.22 U	0.0071	0.058 J	0.0027 U	0.0025 U	0.00050 J	**0.75**
Total VOCs	--	--	mg/kg		12.536	0.11242	124.163	0.0203	0.0154	0.04003	4.549

Table 1. Summary of Volatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	21	21	9	9	9	9
				Sample Designation:	RX-4	RX-5	RX-5	RX-6	RX-6	RX-6	RX-7
				Sample Date:	9/28/2018	9/27/2018	9/27/2018	9/28/2018	9/28/2018	9/28/2018	9/28/2018
				Sample Depth (ft bls):	9.5 - 11.5	0.5 - 2.5	5 - 7	0.5 - 2.5	9 - 11	14 - 16	0.5 - 2.5
1,1,1-Trichloroethane	0.68	100	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
1,1,2,2-Tetrachloroethane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
1,1,2-Trichloroethane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
1,1-Dichloroethane	0.27	26	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
1,1-Dichloroethene	0.33	100	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
1,2,3-Trichlorobenzene	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
1,2,4-Trichlorobenzene	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
1,2,4-Trimethylbenzene	3.6	52	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.00050 J
1,2-Dibromoethane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
1,2-Dichlorobenzene	1.1	100	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
1,2-Dichloroethane	0.02	3.1	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
1,2-Dichloropropane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
1,3,5-Trimethylbenzene	8.4	52	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.00046 J
1,3-Dichlorobenzene	2.4	49	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
1,4-Dichlorobenzene	1.8	13	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
1,4-Dioxane	0.1	13	mg/kg		0.018 U	0.021 U	0.021 U	0.027 U	0.019 U	0.025 U	0.021 U
2-Butanone (MEK)	0.12	100	mg/kg		0.0027 J	0.0023 J	0.0052 U	0.0067 U	0.0048 U	0.0035 J	0.0052 U
2-Hexanone	--	--	mg/kg		0.0046 U	0.0053 U	0.0052 U	0.0067 U	0.0048 U	0.0062 U	0.0052 U
4-Methyl-2-pentanone (MIBK)	--	--	mg/kg		0.0046 U	0.0053 U	0.0052 U	0.0067 U	0.0048 U	0.0062 U	0.0052 U
Acetone	0.05	100	mg/kg		0.011	0.018	0.0052 U	0.0067 U	0.014	0.012	0.017
Benzene	0.06	4.8	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Bromochloromethane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Bromodichloromethane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Bromoform	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Bromomethane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Carbon disulfide	--	--	mg/kg		0.00072 J	0.0011 U	0.001 U	0.0013 U	0.00035 J	0.0012 U	0.00061 J
Carbon tetrachloride	0.76	2.4	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Chlorobenzene	1.1	100	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Chloroethane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Chloroform	0.37	49	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Chloromethane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
cis-1,2-Dichloroethene	0.25	100	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
cis-1,3-Dichloropropene	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Cyclohexane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Dibromochloromethane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Dibromochloropropane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U

Table 1. Summary of Volatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	21	21	9	9	9	9
				Sample Designation:	RX-4	RX-5	RX-5	RX-6	RX-6	RX-6	RX-7
				Sample Date:	9/28/2018	9/27/2018	9/27/2018	9/28/2018	9/28/2018	9/28/2018	9/28/2018
				Sample Depth (ft bls):	9.5 - 11.5	0.5 - 2.5	5 - 7	0.5 - 2.5	9 - 11	14 - 16	0.5 - 2.5
Dichlorodifluoromethane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Ethylbenzene	1	41	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Freon 113	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Isopropylbenzene	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
m+p-Xylene	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.00021 J
Methyl acetate	--	--	mg/kg		0.0046 U	0.0053 U	0.0052 U	0.0067 U	0.0048 U	0.0062 U	0.0052 U
Methylcyclohexane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Methylene chloride	0.05	100	mg/kg		0.00092 U	0.0011 U	0.001 U	0.00025 BJ	0.00021 BJ	0.0012 U	0.00026 BJ
MTBE	0.93	100	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
n-Butylbenzene	12	100	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
n-Propylbenzene	3.9	100	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
o-Xylene	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.00016 J
sec-Butylbenzene	11	100	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.000093 J
Styrene	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
tert-Butylbenzene	5.9	100	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Tetrachloroethene	1.3	19	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.00016 J
Toluene	0.7	100	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
trans-1,2-Dichloroethene	0.19	100	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
trans-1,3-Dichloropropene	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Trichloroethene	0.47	21	mg/kg		0.00018 BJ	0.0011 U	0.0010 B	0.00040 BJ	0.00096 U	0.00026 BJ	0.001 U
Trichlorofluoromethane	--	--	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Vinyl chloride	0.02	0.9	mg/kg		0.00092 U	0.0011 U	0.001 U	0.0013 U	0.00096 U	0.0012 U	0.001 U
Xylenes (total)	0.26	100	mg/kg		0.0018 U	0.0021 U	0.0021 U	0.0027 U	0.0019 U	0.0025 U	0.00038 J
Total VOCs	--	--	mg/kg		0.0146	0.0203	0.001	0.00065	0.01456	0.01576	0.019833

Table 1. Summary of Volatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	21	21	9	9	9
				Sample Designation:	RX-8	RX-8	RX-9	RX-10	RX-12
				Sample Date:	9/27/2018	9/27/2018	10/1/2018	10/1/2018	10/1/2018
				Sample Depth (ft bls):	0.5 - 2.5	8 - 10	1.0 - 2.5	1 - 3	2.5 - 4.0
1,1,1-Trichloroethane	0.68	100	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
1,1,2,2-Tetrachloroethane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
1,1,2-Trichloroethane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
1,1-Dichloroethane	0.27	26	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
1,1-Dichloroethene	0.33	100	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
1,2,3-Trichlorobenzene	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
1,2,4-Trichlorobenzene	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
1,2,4-Trimethylbenzene	3.6	52	mg/kg		0.0011 U	0.001 U	0.00098 U	0.0029	0.00099 U
1,2-Dibromoethane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
1,2-Dichlorobenzene	1.1	100	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
1,2-Dichloroethane	0.02	3.1	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
1,2-Dichloropropane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
1,3,5-Trimethylbenzene	8.4	52	mg/kg		0.0011 U	0.001 U	0.00098 U	0.0012	0.00099 U
1,3-Dichlorobenzene	2.4	49	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
1,4-Dichlorobenzene	1.8	13	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
1,4-Dioxane	0.1	13	mg/kg		0.022 U	0.02 U	0.02 U	0.018 U	0.02 U
2-Butanone (MEK)	0.12	100	mg/kg		0.0024 J	0.0024 J	0.0026 J	0.0016 J	0.005 U
2-Hexanone	--	--	mg/kg		0.0054 U	0.0051 U	0.0049 U	0.0044 U	0.005 U
4-Methyl-2-pentanone (MIBK)	--	--	mg/kg		0.0054 U	0.0051 U	0.0049 U	0.0044 U	0.005 U
Acetone	0.05	100	mg/kg		0.0095	0.014	0.012	0.0088	0.005 U
Benzene	0.06	4.8	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Bromochloromethane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Bromodichloromethane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Bromoform	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Bromomethane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 UT	0.00088 UT	0.00099 UT
Carbon disulfide	--	--	mg/kg		0.0011 U	0.00067 J	0.00098 U	0.00029 J	0.00099 U
Carbon tetrachloride	0.76	2.4	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Chlorobenzene	1.1	100	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Chloroethane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Chloroform	0.37	49	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Chloromethane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
cis-1,2-Dichloroethene	0.25	100	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
cis-1,3-Dichloropropene	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Cyclohexane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Dibromochloromethane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Dibromochloropropane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U

Table 1. Summary of Volatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	**Lot Number:**	21	21	9	9	9
				Sample Designation:	RX-8	RX-8	RX-9	RX-10	RX-12
				Sample Date:	9/27/2018	9/27/2018	10/1/2018	10/1/2018	10/1/2018
				Sample Depth (ft bls):	0.5 - 2.5	8 - 10	1.0 - 2.5	1 - 3	2.5 - 4.0
Dichlorodifluoromethane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Ethylbenzene	1	41	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00024 J	0.00099 U
Freon 113	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Isopropylbenzene	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00024 J	0.00099 U
m+p-Xylene	--	--	mg/kg		0.0011 U	0.001 U	0.00046 J	0.00061 J	0.00099 U
Methyl acetate	--	--	mg/kg		0.0054 U	0.0051 U	0.0049 U	0.0044 U	0.005 U
Methylcyclohexane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Methylene chloride	0.05	100	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
MTBE	0.93	100	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
n-Butylbenzene	12	100	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
n-Propylbenzene	3.9	100	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
o-Xylene	--	--	mg/kg		0.0011 U	0.001 U	0.00056 J	0.00070 J	0.00099 U
sec-Butylbenzene	11	100	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Styrene	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
tert-Butylbenzene	5.9	100	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Tetrachloroethene	1.3	19	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00022 J
Toluene	0.7	100	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
trans-1,2-Dichloroethene	0.19	100	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
trans-1,3-Dichloropropene	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Trichloroethene	0.47	21	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Trichlorofluoromethane	--	--	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Vinyl chloride	0.02	0.9	mg/kg		0.0011 U	0.001 U	0.00098 U	0.00088 U	0.00099 U
Xylenes (total)	0.26	100	mg/kg		0.0022 U	0.002 U	0.0010 J	0.0013 J	0.002 U
Total VOCs	--	--	mg/kg		0.0119	0.01707	0.01662	0.01788	0.00022

Table 2. Summary of Semivolatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	9	9	21	21	21	21	9	9
				Sample Designation:	MR-4	MR-4	MR-7	MR-9	MR-9	MR-11	MR-11	MR-12	MR-12
				Sample Date:	7/24/2018	7/24/2018	8/2/2018	7/26/2018	7/26/2018	7/23/2018	7/23/2018	7/24/2018	7/24/2018
				Sample Depth (ft bls):	1 - 1.5	9.5 - 11	0.5 - 2.5	1 - 1.5	8 - 9	0.25 - 0.75	5 - 6.5	1.25 - 3	3 - 4
1,1'-Biphenyl	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.039 J	0.039 J
1,2,4,5-Tetrachlorobenzene	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
2,3,4,6-Tetrachlorophenol	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
2,4,5-Trichlorophenol	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
2,4,6-Trichlorophenol	--	--	mg/kg		0.15 U	0.15 U	0.15 U	0.15 U	0.14 U	0.16 U	0.16 U	0.16 U	0.16 U
2,4-Dichlorophenol	--	--	mg/kg		0.15 U	0.15 U	0.15 U	0.15 U	0.14 U	0.16 U	0.16 U	0.16 U	0.16 U
2,4-Dimethylphenol	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.024 J	0.4 U
2,4-Dinitrophenol	--	--	mg/kg		0.29 U	0.31 U	0.29 U	0.3 U	0.29 U	0.32 U	0.31 U	0.32 U	0.32 U
2,4-Dinitrotoluene	--	--	mg/kg		0.073 U	0.077 U	0.073 U	0.075 U	0.072 U	0.08 U	0.079 U	0.08 U	0.08 U
2,6-Dinitrotoluene	--	--	mg/kg		0.073 U	0.077 U	0.073 U	0.075 U	0.072 U	0.08 U	0.079 U	0.08 U	0.08 U
2-Chloronaphthalene	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
2-Chlorophenol	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
2-Methylnaphthalene	--	--	mg/kg		0.011 J	0.38 U	0.43	0.034 J	0.35 U	0.029 J	0.39 U	0.27 J	0.22 J
2-Methylphenol	0.33	100	mg/kg		0.36 U	0.38 U	0.36 U	0.37 UT	0.35 UT	0.4 UT	0.39 UT	0.39 U	0.4 U
2-Nitroaniline	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
2-Nitrophenol	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
3&4-Methylphenol	0.33	100	mg/kg		0.36 U	0.38 U	0.016 J	0.37 UT	0.35 UT	0.4 U	0.39 U	0.39 U	0.4 U
3,3'-Dichlorobenzidine	--	--	mg/kg		0.15 U	0.15 U	0.15 U	0.15 U	0.14 U	0.16 U	0.16 U	0.16 U	0.16 U
3-Nitroaniline	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
4,6-Dinitro-2-methylphenol	--	--	mg/kg		0.29 U	0.31 U	0.29 U	0.3 U	0.29 U	0.32 U	0.31 U	0.32 U	0.32 U
4-Bromophenyl phenyl ether	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
4-Chloro-3-methylphenol	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
4-Chloroaniline	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
4-Chlorophenyl phenyl ether	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
4-Methylphenol	0.33	100	mg/kg		0.36 U	0.38 U	0.016 J	0.37 UT	0.35 UT	0.4 U	0.39 U	0.39 U	0.4 U
4-Nitroaniline	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
4-Nitrophenol	--	--	mg/kg		0.73 U	0.77 U	0.73 U	0.75 U	0.72 U	0.8 U	0.79 U	0.8 U	0.8 U
Acenaphthene	20	100	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.29 J	0.30 J
Acenaphthylene	100	100	mg/kg		0.014 J	0.38 U	0.36 U	0.044 J	0.35 U	0.4 U	0.011 J	0.39 U	0.4 U
Acetophenone	--	--	mg/kg		0.36 U	0.38 U	0.072 J	0.013 J	0.35 U	0.073 J	0.39 U	0.39 U	0.4 U
Anthracene	100	100	mg/kg		0.057 J	0.047 J	0.16 J	0.045 J	0.35 U	0.023 J	0.39 U	0.13 J	0.24 J
Atrazine	--	--	mg/kg		0.15 U	0.15 U	0.15 U	0.15 U	0.14 U	0.16 U	0.16 U	0.16 U	0.16 U
Benzaldehyde	--	--	mg/kg		0.36 UT	0.38 UT	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 UT	0.4 UT
Benzo[a]anthracene	1	1	mg/kg		0.25	0.14	0.036 U	0.25	0.035 U	0.027 J	0.038 J	0.17	0.19
Benzo[a]pyrene	1	1	mg/kg		0.25	0.13	0.036 U	0.31	0.024 J	0.025 J	0.041	0.096	0.1
Benzo[b]fluoranthene	1	1	mg/kg		0.34	0.14	0.036 U	0.45	0.045	0.039 J	0.052	0.14	0.15
Benzo[g,h,i]perylene	100	100	mg/kg		0.19 J	0.075 J	0.36 U	0.17 J	0.031 J	0.11 J	0.028 J	0.039 J	0.046 J
Benzo[k]fluoranthene	0.8	3.9	mg/kg		0.11	0.069	0.036 U	0.17	0.035 U	0.015 J	0.026 J	0.058	0.04 U
Bis(2-chloro-1-methylethyl)ether	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
Bis(2-chloroethoxy)methane	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 UT	0.35 UT	0.4 UT	0.39 UT	0.39 U	0.4 U
Bis(2-chloroethyl) ether	--	--	mg/kg		0.036 U	0.038 U	0.036 U	0.037 UT	0.035 UT	0.04 UT	0.039 UT	0.039 U	0.04 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	9	9	21	21	21	21	9	9
				Sample Designation:	MR-4	MR-4	MR-7	MR-9	MR-9	MR-11	MR-11	MR-12	MR-12
				Sample Date:	7/24/2018	7/24/2018	8/2/2018	7/26/2018	7/26/2018	7/23/2018	7/23/2018	7/24/2018	7/24/2018
				Sample Depth (ft bls):	1 - 1.5	9.5 - 11	0.5 - 2.5	1 - 1.5	8 - 9	0.25 - 0.75	5 - 6.5	1.25 - 3	3 - 4
Bis(2-ethylhexyl) phthalate	--	--	mg/kg		0.15 J	0.38 U	0.36 U	0.26 J	1	0.41	0.12 J	0.32 J	0.56
Butylbenzyl phthalate	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.83	1.3
Caprolactam	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
Carbazole	--	--	mg/kg		0.027 J	0.016 J	0.36 U	0.028 J	0.35 U	0.4 U	0.39 U	0.21 J	0.34 J
Chrysene	1	3.9	mg/kg		0.26 J	0.12 J	0.36 U	0.28 J	0.35 U	0.037 J	0.045 J	0.18 J	0.20 J
Dibenzo[a,h]anthracene	0.33	0.33	mg/kg		0.041	0.020 J	0.036 U	0.053	0.035 U	0.04 U	0.039 U	0.039 U	0.04 U
Dibenzofuran	7	59	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.25 J	0.21 J
Diethyl phthalate	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
Dimethyl phthalate	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
Di-n-butyl phthalate	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
Di-n-octyl phthalate	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
Fluoranthene	100	100	mg/kg		0.45	0.24 J	0.36 U	0.34 J	0.028 J	0.028 J	0.037 J	0.73	0.97
Fluorene	30	100	mg/kg		0.017 J	0.013 J	0.63	0.012 J	0.35 U	0.4 U	0.39 U	0.36 J	0.4
Hexachlorobenzene	0.33	1.2	mg/kg		0.036 U	0.038 U	0.036 U	0.037 U	0.035 U	0.04 U	0.039 U	0.039 U	0.04 U
Hexachlorobutadiene	--	--	mg/kg		0.073 U	0.077 U	0.073 U	0.075 U	0.072 U	0.08 U	0.079 U	0.08 U	0.08 U
Hexachlorocyclopentadiene	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
Hexachloroethane	--	--	mg/kg		0.036 U	0.038 U	0.036 U	0.037 U	0.035 U	0.04 U	0.039 U	0.039 U	0.04 U
Indeno[1,2,3-cd]pyrene	0.5	0.5	mg/kg		0.19	0.079	0.036 U	0.19	0.035 U	0.079	0.033 J	0.043	0.054
Isophorone	--	--	mg/kg		0.15 U	0.15 U	0.15 U	0.15 U	0.14 U	0.16 U	0.16 U	0.16 U	0.16 U
Naphthalene	12	100	mg/kg		0.014 J	0.014 J	0.36 U	0.035 J	0.35 U	0.023 J	0.39 U	1.9	1.8
Nitrobenzene	--	--	mg/kg		0.036 U	0.038 U	0.036 U	0.037 U	0.035 U	0.04 U	0.039 U	0.039 U	0.04 U
n-Nitrosodi-n-propylamine	--	--	mg/kg		0.036 U	0.038 U	0.036 U	0.037 U	0.035 U	0.04 U	0.039 U	0.039 U	0.04 U
n-Nitrosodiphenylamine	--	--	mg/kg		0.36 U	0.38 U	0.36 U	0.37 U	0.35 U	0.4 U	0.39 U	0.39 U	0.4 U
Pentachlorophenol	0.8	6.7	mg/kg		0.29 U	0.31 U	0.29 U	0.3 U	0.29 U	0.32 U	0.31 U	0.32 U	0.32 U
Phenanthrene	100	100	mg/kg		0.23 J	0.16 J	1.3	0.14 J	0.018 J	0.039 J	0.020 J	1.2	1.4
Phenol	0.33	100	mg/kg		0.36 UT	0.38 UT	0.018 J	0.37 UT	0.35 UT	0.4 UT	0.39 UT	0.39 UT	0.4 UT
Pyrene	100	100	mg/kg		0.47	0.26 J	0.36 U	0.4	0.35 U	0.030 J	0.037 J	0.63	0.86
Total SVOCs	--	--	mg/kg		3.071	1.523	2.642	3.224	1.146	0.987	0.488	7.909	9.379

Table 2. Summary of Semivolatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	9	21	21	21	21	21	21	21
				Sample Designation:	MR-14	MR-14	RX-1	RX-1	RX-1	RX-2	RX-2	RX-3	RX-3 DUP
				Sample Date:	7/30/2018	7/30/2018	9/26/2018	9/26/2018	9/26/2018	9/26/2018	9/26/2018	9/27/2018	9/27/2018
				Sample Depth (ft bls):	1 - 1.5	5 - 6	0.5 - 2.5	8 - 10	13.5 - 15.5	0.5 - 2.5	10 - 12	0.5 - 2.5	0.5 - 2.5
1,1'-Biphenyl	--	--	mg/kg		0.38 U	0.38 U	0.027 J	0.12 J	0.4 U	0.5 U	0.040 J	0.49 U	0.48 U
1,2,4,5-Tetrachlorobenzene	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
2,3,4,6-Tetrachlorophenol	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
2,4,5-Trichlorophenol	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
2,4,6-Trichlorophenol	--	--	mg/kg		0.15 U	0.15 U	0.14 U	0.31 U	0.16 U	0.2 U	0.16 U	0.2 U	0.19 U
2,4-Dichlorophenol	--	--	mg/kg		0.15 U	0.15 U	0.14 U	0.31 U	0.16 U	0.2 U	0.16 U	0.2 U	0.19 U
2,4-Dimethylphenol	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
2,4-Dinitrophenol	--	--	mg/kg		0.31 U	0.3 U	0.29 U	0.62 U	0.33 U	0.41 U	0.32 U	0.4 U	0.39 U
2,4-Dinitrotoluene	--	--	mg/kg		0.078 U	0.077 U	0.072 U	0.16 U	0.082 U	0.1 U	0.081 U	0.1 U	0.098 U
2,6-Dinitrotoluene	--	--	mg/kg		0.078 U	0.077 U	0.072 U	0.16 U	0.082 U	0.1 U	0.081 U	0.1 U	0.098 U
2-Chloronaphthalene	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
2-Chlorophenol	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
2-Methylnaphthalene	--	--	mg/kg		0.017 J	0.38 U	2.1	9.7	0.66	0.16 J	4.2	0.036 J	0.48 U
2-Methylphenol	0.33	100	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
2-Nitroaniline	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
2-Nitrophenol	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
3&4-Methylphenol	0.33	100	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
3,3'-Dichlorobenzidine	--	--	mg/kg		0.15 U	0.15 U	0.14 U	0.31 U	0.16 U	0.2 U	0.16 U	0.2 U	0.19 U
3-Nitroaniline	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
4,6-Dinitro-2-methylphenol	--	--	mg/kg		0.31 U	0.3 U	0.29 U	0.62 U	0.33 U	0.41 U	0.32 U	0.4 U	0.39 U
4-Bromophenyl phenyl ether	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
4-Chloro-3-methylphenol	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
4-Chloroaniline	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
4-Chlorophenyl phenyl ether	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
4-Methylphenol	0.33	100	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
4-Nitroaniline	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
4-Nitrophenol	--	--	mg/kg		0.78 U	0.77 U	0.72 U	1.6 U	0.82 U	1 U	0.81 U	1 U	0.98 U
Acenaphthene	20	100	mg/kg		0.043 J	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
Acenaphthylene	100	100	mg/kg		0.025 J	0.016 J	0.010 J	0.77 U	0.4 U	0.5 U	0.011 J	0.013 J	0.023 J
Acetophenone	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.10 J	0.4 U	0.011 J	0.48 U
Anthracene	100	100	mg/kg		0.14 J	0.074 J	0.014 J	0.77 U	0.4 U	0.5 U	0.0071 J	0.014 J	0.034 J
Atrazine	--	--	mg/kg		0.15 U	0.15 U	0.14 U	0.31 U	0.16 U	0.2 U	0.16 U	0.2 U	0.19 U
Benzaldehyde	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
Benzo[a]anthracene	1	1	mg/kg		0.71	0.34	0.078	0.077 U	0.04 U	0.05 U	0.015 J	0.072	0.12
Benzo[a]pyrene	1	1	mg/kg		0.58	0.3	0.11	0.077 U	0.04 U	0.05 U	0.04 U	0.061	0.1
Benzo[b]fluoranthene	1	1	mg/kg		0.75	0.38	0.15	0.077 U	0.04 U	0.018 J	0.04 U	0.1	0.14
Benzo[g,h,i]perylene	100	100	mg/kg		0.32 J	0.19 J	0.10 J	0.77 U	0.4 U	0.5 U	0.4 U	0.052 J	0.098 J
Benzo[k]fluoranthene	0.8	3.9	mg/kg		0.3	0.16	0.054	0.077 U	0.04 U	0.05 U	0.04 U	0.034 J	0.059
Bis(2-chloro-1-methylethyl)ether	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
Bis(2-chloroethoxy)methane	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
Bis(2-chloroethyl) ether	--	--	mg/kg		0.038 U	0.038 U	0.036 U	0.077 U	0.04 U	0.05 U	0.04 U	0.049 UT	0.048 UT

Table 2. Summary of Semivolatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	9	21	21	21	21	21	21	21
				Sample Designation:	MR-14	MR-14	RX-1	RX-1	RX-1	RX-2	RX-2	RX-3	RX-3 DUP
				Sample Date:	7/30/2018	7/30/2018	9/26/2018	9/26/2018	9/26/2018	9/26/2018	9/26/2018	9/27/2018	9/27/2018
				Sample Depth (ft bls):	1 - 1.5	5 - 6	0.5 - 2.5	8 - 10	13.5 - 15.5	0.5 - 2.5	10 - 12	0.5 - 2.5	0.5 - 2.5
Bis(2-ethylhexyl) phthalate	--	--	mg/kg		0.4	0.24 J	0.068 J	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
Butylbenzyl phthalate	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
Caprolactam	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
Carbazole	--	--	mg/kg		0.043 J	0.021 J	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.026 J
Chrysene	1	3.9	mg/kg		0.78	0.35 J	0.12 J	0.77 U	0.4 U	0.020 J	0.0073 J	0.084 J	0.11 J
Dibenzo[a,h]anthracene	0.33	0.33	mg/kg		0.089	0.04	0.026 J	0.077 U	0.04 U	0.05 U	0.04 U	0.049 U	0.023 J
Dibenzofuran	7	59	mg/kg		0.016 J	0.012 J	0.0077 J	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.012 J
Diethyl phthalate	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
Dimethyl phthalate	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
Di-n-butyl phthalate	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.12 J	0.48 U
Di-n-octyl phthalate	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
Fluoranthene	100	100	mg/kg		1.3	0.6	0.16 J	0.014 J	0.011 J	0.023 J	0.018 J	0.11 J	0.21 J
Fluorene	30	100	mg/kg		0.033 J	0.017 J	0.021 J	0.039 J	0.0091 J	0.014 J	0.033 J	0.49 U	0.019 J
Hexachlorobenzene	0.33	1.2	mg/kg		0.038 U	0.038 U	0.036 U	0.077 U	0.04 U	0.05 U	0.04 U	0.049 U	0.048 U
Hexachlorobutadiene	--	--	mg/kg		0.078 UT	0.077 UT	0.072 U	0.16 U	0.082 U	0.1 U	0.081 U	0.1 U	0.098 U
Hexachlorocyclopentadiene	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
Hexachloroethane	--	--	mg/kg		0.038 U	0.038 U	0.036 U	0.077 U	0.04 U	0.05 U	0.04 U	0.049 UT	0.048 UT
Indeno[1,2,3-cd]pyrene	0.5	0.5	mg/kg		0.39	0.22	0.09	0.077 U	0.04 U	0.05 U	0.04 U	0.054	0.095
Isophorone	--	--	mg/kg		0.15 U	0.15 U	0.14 U	0.31 U	0.16 U	0.2 U	0.16 U	0.2 U	0.19 U
Naphthalene	12	100	mg/kg		0.034 J	0.012 J	3.2	11	0.91	0.31 J	4.3	0.038 J	0.48 U
Nitrobenzene	--	--	mg/kg		0.038 U	0.038 U	0.036 U	0.077 U	0.04 U	0.05 U	0.04 U	0.049 UT	0.048 UT
n-Nitrosodi-n-propylamine	--	--	mg/kg		0.038 U	0.038 U	0.036 U	0.077 U	0.04 U	0.05 U	0.04 U	0.049 U	0.048 U
n-Nitrosodiphenylamine	--	--	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.0085 J	0.5 U	0.037 J	0.49 U	0.48 U
Pentachlorophenol	0.8	6.7	mg/kg		0.31 U	0.3 U	0.29 U	0.62 U	0.33 U	0.41 U	0.32 U	0.4 U	0.39 U
Phenanthrene	100	100	mg/kg		0.65	0.32 J	0.068 J	0.067 J	0.016 J	0.031 J	0.055 J	0.067 J	0.17 J
Phenol	0.33	100	mg/kg		0.38 U	0.38 U	0.36 U	0.77 U	0.4 U	0.5 U	0.4 U	0.49 U	0.48 U
Pyrene	100	100	mg/kg		1.4	0.63	0.20 J	0.022 J	0.012 J	0.026 J	0.022 J	0.11 J	0.20 J
Total SVOCs	--	--	mg/kg		8.02	3.922	6.6037	20.962	1.6266	0.702	8.7454	0.976	1.439

Table 2. Summary of Semivolatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	21	9	9	21	21	9	9
				Sample Designation:	RX-3	RX-4	RX-4	RX-5	RX-5	RX-6	RX-6
				Sample Date:	9/27/2018	9/28/2018	9/28/2018	9/27/2018	9/27/2018	9/28/2018	9/28/2018
				Sample Depth (ft bls):	10 - 12	0.5 - 2.5	9.5 - 11.5	0.5 - 2.5	5 - 7	0.5 - 2.5	9 - 11
1,1'-Biphenyl	--	--	mg/kg		0.37 U	0.064 J	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
1,2,4,5-Tetrachlorobenzene	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
2,3,4,6-Tetrachlorophenol	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
2,4,5-Trichlorophenol	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
2,4,6-Trichlorophenol	--	--	mg/kg		0.15 U	0.3 U	0.15 U	0.14 U	0.15 U	0.18 U	0.15 U
2,4-Dichlorophenol	--	--	mg/kg		0.15 U	0.3 U	0.15 U	0.14 U	0.15 U	0.18 U	0.15 U
2,4-Dimethylphenol	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
2,4-Dinitrophenol	--	--	mg/kg		0.3 U	0.6 U	0.31 U	0.29 U	0.3 U	0.37 U	0.31 U
2,4-Dinitrotoluene	--	--	mg/kg		0.075 U	0.15 U	0.077 U	0.072 U	0.075 U	0.093 U	0.078 U
2,6-Dinitrotoluene	--	--	mg/kg		0.075 U	0.15 U	0.077 U	0.072 U	0.075 U	0.093 U	0.078 U
2-Chloronaphthalene	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
2-Chlorophenol	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
2-Methylnaphthalene	--	--	mg/kg		0.37 U	1.3	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
2-Methylphenol	0.33	100	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
2-Nitroaniline	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
2-Nitrophenol	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
3&4-Methylphenol	0.33	100	mg/kg		0.37 U	0.033 J	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
3,3'-Dichlorobenzidine	--	--	mg/kg		0.15 U	0.3 U	0.15 U	0.14 U	0.15 U	0.18 U	0.15 U
3-Nitroaniline	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
4,6-Dinitro-2-methylphenol	--	--	mg/kg		0.3 U	0.6 U	0.31 U	0.29 U	0.3 U	0.37 U	0.31 U
4-Bromophenyl phenyl ether	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
4-Chloro-3-methylphenol	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
4-Chloroaniline	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
4-Chlorophenyl phenyl ether	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
4-Methylphenol	0.33	100	mg/kg		0.37 U	0.033 J	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
4-Nitroaniline	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
4-Nitrophenol	--	--	mg/kg		0.75 U	1.5 U	0.77 U	0.72 U	0.75 U	0.93 U	0.78 U
Acenaphthene	20	100	mg/kg		0.37 U	0.14 J	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Acenaphthylene	100	100	mg/kg		0.37 U	0.083 J	0.014 J	0.35 U	0.37 U	0.0089 J	0.38 U
Acetophenone	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Anthracene	100	100	mg/kg		0.37 U	0.20 J	0.029 J	0.35 U	0.37 U	0.066 J	0.030 J
Atrazine	--	--	mg/kg		0.15 U	0.3 U	0.15 U	0.14 U	0.15 U	0.18 U	0.15 U
Benzaldehyde	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Benzo[a]anthracene	1	1	mg/kg		0.027 J	0.46	0.030 J	0.034 J	0.037 U	0.24	0.08
Benzo[a]pyrene	1	1	mg/kg		0.015 J	0.47	0.025 J	0.034 J	0.037 U	0.22	0.067
Benzo[b]fluoranthene	1	1	mg/kg		0.024 J	0.83	0.043	0.049	0.037 U	0.29	0.087
Benzo[g,h,i]perylene	100	100	mg/kg		0.011 J	0.28 J	0.38 U	0.044 J	0.37 U	0.15 J	0.044 J
Benzo[k]fluoranthene	0.8	3.9	mg/kg		0.0092 J	0.26	0.016 J	0.018 J	0.037 U	0.1	0.031 J
Bis(2-chloro-1-methylethyl)ether	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Bis(2-chloroethoxy)methane	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Bis(2-chloroethyl) ether	--	--	mg/kg		0.037 UT	0.074 UT	0.038 UT	0.035 UT	0.037 U	0.046 UT	0.038 UT

Table 2. Summary of Semivolatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	21	9	9	21	21	9	9
				Sample Designation:	RX-3	RX-4	RX-4	RX-5	RX-5	RX-6	RX-6
				Sample Date:	9/27/2018	9/28/2018	9/28/2018	9/27/2018	9/27/2018	9/28/2018	9/28/2018
				Sample Depth (ft bls):	10 - 12	0.5 - 2.5	9.5 - 11.5	0.5 - 2.5	5 - 7	0.5 - 2.5	9 - 11
Bis(2-ethylhexyl) phthalate	--	--	mg/kg		0.37 U	1.2	0.38 U	0.036 J	0.37 U	0.46 U	0.38 U
Butylbenzyl phthalate	--	--	mg/kg		0.37 U	0.12 J	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Caprolactam	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Carbazole	--	--	mg/kg		0.37 U	0.084 J	0.38 U	0.35 U	0.37 U	0.017 J	0.013 J
Chrysene	1	3.9	mg/kg		0.022 J	0.53 J	0.031 J	0.038 J	0.37 U	0.25 J	0.071 J
Dibenzo[a,h]anthracene	0.33	0.33	mg/kg		0.037 U	0.070 J	0.038 U	0.035 U	0.037 U	0.041 J	0.038 U
Dibenzofuran	7	59	mg/kg		0.37 U	0.13 J	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Diethyl phthalate	--	--	mg/kg		0.37 U	0.036 J	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Dimethyl phthalate	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Di-n-butyl phthalate	--	--	mg/kg		0.37 U	0.31 J	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Di-n-octyl phthalate	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Fluoranthene	100	100	mg/kg		0.031 J	0.94	0.057 J	0.035 J	0.37 U	0.46	0.15 J
Fluorene	30	100	mg/kg		0.37 U	0.25 J	0.38 U	0.35 U	0.37 U	0.016 J	0.013 J
Hexachlorobenzene	0.33	1.2	mg/kg		0.037 U	0.074 U	0.038 U	0.035 U	0.037 U	0.046 U	0.038 U
Hexachlorobutadiene	--	--	mg/kg		0.075 U	0.15 U	0.077 U	0.072 U	0.075 U	0.093 U	0.078 U
Hexachlorocyclopentadiene	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Hexachloroethane	--	--	mg/kg		0.037 UT	0.074 UT	0.038 UT	0.035 UT	0.037 U	0.046 UT	0.038 UT
Indeno[1,2,3-cd]pyrene	0.5	0.5	mg/kg		0.037 U	0.28	0.021 J	0.028 J	0.037 U	0.16	0.046
Isophorone	--	--	mg/kg		0.15 U	0.3 U	0.15 U	0.14 U	0.15 U	0.18 U	0.15 U
Naphthalene	12	100	mg/kg		0.37 U	0.71 J	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Nitrobenzene	--	--	mg/kg		0.037 UT	0.074 UT	0.038 UT	0.035 UT	0.037 U	0.046 UT	0.038 UT
n-Nitrosodi-n-propylamine	--	--	mg/kg		0.037 U	0.074 U	0.038 U	0.035 U	0.037 U	0.046 U	0.038 U
n-Nitrosodiphenylamine	--	--	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Pentachlorophenol	0.8	6.7	mg/kg		0.3 U	0.6 U	0.31 U	0.29 U	0.3 U	0.37 U	0.31 U
Phenanthrene	100	100	mg/kg		0.020 J	1	0.038 J	0.015 J	0.37 U	0.30 J	0.12 J
Phenol	0.33	100	mg/kg		0.37 U	0.74 U	0.38 U	0.35 U	0.37 U	0.46 U	0.38 U
Pyrene	100	100	mg/kg		0.033 J	1.3	0.046 J	0.048 J	0.37 U	0.48	0.16 J
Total SVOCs	--	--	mg/kg		0.1922	11.113	0.35	0.379	0	2.7989	0.912

Table 2. Summary of Semivolatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	9	21	21	9	9	9
				Sample Designation:	RX-6	RX-7	RX-8	RX-8	RX-9	RX-10	RX-12
				Sample Date:	9/28/2018	9/28/2018	9/27/2018	9/27/2018	10/1/2018	10/1/2018	10/1/2018
				Sample Depth (ft bls):	14 - 16	0.5 - 2.5	0.5 - 2.5	8 - 10	1.0 - 2.5	1 - 3	2.5 - 4.0
1,1'-Biphenyl	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.032 J	0.36 U
1,2,4,5-Tetrachlorobenzene	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
2,3,4,6-Tetrachlorophenol	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
2,4,5-Trichlorophenol	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
2,4,6-Trichlorophenol	--	--	mg/kg		0.17 U	0.15 U	0.14 U	0.16 U	0.16 U	0.15 U	0.14 U
2,4-Dichlorophenol	--	--	mg/kg		0.17 U	0.15 U	0.14 U	0.16 U	0.16 U	0.15 U	0.14 U
2,4-Dimethylphenol	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
2,4-Dinitrophenol	--	--	mg/kg		0.33 U	0.3 U	0.29 U	0.32 U	0.32 U	0.3 U	0.29 U
2,4-Dinitrotoluene	--	--	mg/kg		0.083 U	0.075 U	0.072 U	0.08 U	0.08 U	0.075 U	0.072 U
2,6-Dinitrotoluene	--	--	mg/kg		0.083 U	0.075 U	0.072 U	0.08 U	0.08 U	0.075 U	0.072 U
2-Chloronaphthalene	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
2-Chlorophenol	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
2-Methylnaphthalene	--	--	mg/kg		0.41 U	0.035 J	0.0088 J	0.4 U	0.010 J	0.11 J	0.014 J
2-Methylphenol	0.33	100	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
2-Nitroaniline	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
2-Nitrophenol	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
3&4-Methylphenol	0.33	100	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
3,3'-Dichlorobenzidine	--	--	mg/kg		0.17 U	0.15 U	0.14 U	0.16 U	0.16 U	0.15 U	0.14 U
3-Nitroaniline	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
4,6-Dinitro-2-methylphenol	--	--	mg/kg		0.33 U	0.3 U	0.29 U	0.32 U	0.32 U	0.3 U	0.29 U
4-Bromophenyl phenyl ether	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
4-Chloro-3-methylphenol	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
4-Chloroaniline	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
4-Chlorophenyl phenyl ether	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
4-Methylphenol	0.33	100	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
4-Nitroaniline	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
4-Nitrophenol	--	--	mg/kg		0.83 U	0.75 U	0.72 U	0.8 U	0.8 U	0.75 U	0.72 U
Acenaphthene	20	100	mg/kg		0.41 U	0.027 J	0.35 U	0.4 U	0.39 U	0.29 J	0.053 J
Acenaphthylene	100	100	mg/kg		0.41 U	0.035 J	0.35 U	0.4 U	0.021 J	0.37 U	0.026 J
Acetophenone	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
Anthracene	100	100	mg/kg		0.41 U	0.067 J	0.0084 J	0.4 U	0.39 U	0.53	0.15 J
Atrazine	--	--	mg/kg		0.17 U	0.15 U	0.14 U	0.16 U	0.16 U	0.15 U	0.14 U
Benzaldehyde	--	--	mg/kg		0.41 U	0.37 U	0.016 J	0.4 U	0.39 U	0.37 U	0.36 U
Benzo[a]anthracene	1	1	mg/kg		0.041 U	0.23	0.052	0.04 U	0.034 J	0.36	0.56
Benzo[a]pyrene	1	1	mg/kg		0.041 U	0.24	0.044	0.04 U	0.025 J	0.15	0.44
Benzo[b]fluoranthene	1	1	mg/kg		0.041 U	0.34	0.065	0.04 U	0.041	0.23	0.55
Benzo[g,h,i]perylene	100	100	mg/kg		0.41 U	0.15 J	0.031 J	0.4 U	0.022 J	0.058 J	0.27 J
Benzo[k]fluoranthene	0.8	3.9	mg/kg		0.041 U	0.097	0.024 J	0.04 U	0.012 J	0.13	0.13
Bis(2-chloro-1-methylethyl)ether	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
Bis(2-chloroethoxy)methane	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
Bis(2-chloroethyl) ether	--	--	mg/kg		0.041 UT	0.037 UT	0.035 UT	0.04 UT	0.039 U	0.037 U	0.036 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	9	21	21	9	9	9
				Sample Designation:	RX-6	RX-7	RX-8	RX-8	RX-9	RX-10	RX-12
				Sample Date:	9/28/2018	9/28/2018	9/27/2018	9/27/2018	10/1/2018	10/1/2018	10/1/2018
				Sample Depth (ft bls):	14 - 16	0.5 - 2.5	0.5 - 2.5	8 - 10	1.0 - 2.5	1 - 3	2.5 - 4.0
Bis(2-ethylhexyl) phthalate	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.065 J	0.023 J
Butylbenzyl phthalate	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.027 J	0.037 J
Caprolactam	--	--	mg/kg		0.41 U	0.14 J	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
Carbazole	--	--	mg/kg		0.41 U	0.016 J	0.35 U	0.4 U	0.39 U	0.18 J	0.047 J
Chrysene	1	3.9	mg/kg		0.41 U	0.27 J	0.063 J	0.4 U	0.030 J	0.35 J	0.58
Dibenzo[a,h]anthracene	0.33	0.33	mg/kg		0.041 U	0.039	0.035 U	0.04 U	0.039 U	0.017 J	0.064
Dibenzofuran	7	59	mg/kg		0.41 U	0.018 J	0.35 U	0.4 U	0.017 J	0.32 J	0.018 J
Diethyl phthalate	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
Dimethyl phthalate	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
Di-n-butyl phthalate	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
Di-n-octyl phthalate	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
Fluoranthene	100	100	mg/kg		0.41 U	0.39	0.088 J	0.4 U	0.063 J	2.2	0.87
Fluorene	30	100	mg/kg		0.41 U	0.034 J	0.35 U	0.4 U	0.014 J	0.56	0.048 J
Hexachlorobenzene	0.33	1.2	mg/kg		0.041 U	0.037 U	0.035 U	0.04 U	0.039 U	0.037 U	0.036 U
Hexachlorobutadiene	--	--	mg/kg		0.083 U	0.075 U	0.072 U	0.08 U	0.08 U	0.075 U	0.072 U
Hexachlorocyclopentadiene	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
Hexachloroethane	--	--	mg/kg		0.041 UT	0.037 UT	0.035 UT	0.04 UT	0.039 U	0.037 U	0.036 U
Indeno[1,2,3-cd]pyrene	0.5	0.5	mg/kg		0.041 U	0.16	0.031 J	0.04 U	0.026 J	0.07	0.31
Isophorone	--	--	mg/kg		0.17 U	0.15 U	0.14 U	0.16 U	0.16 U	0.15 U	0.14 U
Naphthalene	12	100	mg/kg		0.41 U	0.040 J	0.010 J	0.4 U	0.037 J	0.42	0.016 J
Nitrobenzene	--	--	mg/kg		0.041 UT	0.037 UT	0.035 UT	0.04 UT	0.039 U	0.037 U	0.036 U
n-Nitrosodi-n-propylamine	--	--	mg/kg		0.041 U	0.037 U	0.035 U	0.04 U	0.039 U	0.037 U	0.036 U
n-Nitrosodiphenylamine	--	--	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
Pentachlorophenol	0.8	6.7	mg/kg		0.33 U	0.3 U	0.29 U	0.32 U	0.32 U	0.3 U	0.29 U
Phenanthrene	100	100	mg/kg		0.41 U	0.22 J	0.058 J	0.4 U	0.040 J	2.8	0.79
Phenol	0.33	100	mg/kg		0.41 U	0.37 U	0.35 U	0.4 U	0.39 U	0.37 U	0.36 U
Pyrene	100	100	mg/kg		0.41 U	0.4	0.090 J	0.4 U	0.049 J	1.7	1.1
Total SVOCs	--	--	mg/kg		0	2.948	0.5892	0	0.441	10.599	6.096

Table 3. Summary of Metals in Soil, 410 West 207th Street, New York, New York

Parameter	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	9	9	21	21	21	21	9
				Sample Designation:	MR-4	MR-4	MR-7	MR-9	MR-9	MR-11	MR-11	MR-12
				Sample Date:	7/24/2018	7/24/2018	8/2/2018	7/26/2018	7/26/2018	7/23/2018	7/23/2018	7/24/2018
				Sample Depth (ft bls):	1 - 1.5	9.5 - 11	0.5 - 2.5	1 - 1.5	8 - 9	0.25 - 0.75	5 - 6.5	1.25 - 3
Aluminum	--	--	mg/kg		7150	8560	11300	6940	4960	5630	9740	10400
Antimony	--	--	mg/kg		0.81 J	1.1 U	0.83 U	0.86 U	0.84 U	1.1 U	1.1 U	0.87 U
Arsenic	13	16	mg/kg		5.3	2.3	3.4	10.5	1.8	6.5	3.4	2.6
Barium	350	400	mg/kg		111	48.6	75.7	130	53.5	89.3	306	65.4
Beryllium	7.2	72	mg/kg		0.27 J	0.33 J	0.64	0.36	0.14 J	0.23 J	0.40 J	0.34 J
Cadmium	2.5	4.3	mg/kg		1	1.1 U	0.29 J	0.84 J	0.84 U	0.41 J	1.1 U	0.87 U
Calcium	--	--	mg/kg		70600	30300	57100	69800	141000	27300	21900	59100
Chromium	30	180	mg/kg		15.6	15.3	23.4	18.4	10.7	15.6	15.7	23.6
Cobalt	--	--	mg/kg		5.3	5.8	7.2	5.6	3.2	3.9	5.9	11.3
Copper	50	270	mg/kg		37.2	18.3	21.3	**58.6**	15.6	24	20.2	31.4
Cyanide	27	27	mg/kg		0.14 J	0.082 J	0.14 BJ	0.071 J	0.094 J	0.29 U	0.32	0.29 U
Iron	--	--	mg/kg		12100	14200	16600	16600	7230	10700	15000	18700
Lead	63	400	mg/kg		**141**	33.6	**82.4**	**134**	34	**70.4**	**95.3**	23.1
Magnesium	--	--	mg/kg		39600	18700	34200	22000	64500	11900	16300	29900
Manganese	1600	2000	mg/kg		237	351	319	194	129	139	206	455
Mercury	0.18	0.81	mg/kg		0.12	0.019 U	0.06	**0.2**	0.033	0.053	0.13	0.024
Nickel	30	310	mg/kg		16.5	13.3	16.1	19.6	8.4	11.2	12.1	18.7
Potassium	--	--	mg/kg		2380	1620	2810	1860	2290	941	1840	2580
Selenium	3.9	180	mg/kg		5.1 U	5.3 U	4.2 U	0.61 J	4.2 U	0.56 J	5.6 U	4.3 U
Silver	2	180	mg/kg		1 U	1.1 U	0.83 U	0.86 U	0.84 U	1.1 U	1.1 U	0.87 U
Sodium	--	--	mg/kg		427	436	354	745	611	245	337	364
Thallium	--	--	mg/kg		0.15 J	0.42 U	0.15 J	0.30 J	0.34 U	0.24 J	0.16 J	0.13 J
Vanadium	--	--	mg/kg		29.2	17.6	30.8	32.7	17.8	18.1	22.3	24.5
Zinc	109	10000	mg/kg		**274**	**178**	**175**	**144**	54.8	**178**	**351**	61.6

Table 3. Summary of Metals in Soil, 410 West 207th Street, New York, New York

Parameter	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	9	21	21	21	21	21	21
				Sample Designation:	MR-14	MR-14	RX-1	RX-1	RX-2	RX-2	RX-3	RX-3 DUP
				Sample Date:	7/30/2018	7/30/2018	9/26/2018	9/26/2018	9/27/2018	9/27/2018	9/27/2018	9/27/2018
				Sample Depth (ft bls):	1 - 1.5	5 - 6	0.5 - 2.5	8 - 10	0.5 - 2.5	10 - 12	0.5 - 2.5	0.5 - 2.5
Aluminum	--	--	mg/kg		11700	12700	4550	15700	8590	6580	7660	11500
Antimony	--	--	mg/kg		0.92 U	0.83 U	0.38 J	1.1 U	0.86 J	1 U	1.3 U	1.4 U
Arsenic	13	16	mg/kg		3.7	5.4	**15**	0.95 J	**46.2**	2.1	7.2	8.9
Barium	350	400	mg/kg		57.1	122	75	34.1	150	28.8	118	157
Beryllium	7.2	72	mg/kg		0.56	0.65	0.6	0.48	1.4	0.42	0.43 J	0.59
Cadmium	2.5	4.3	mg/kg		0.92 U	1.6	0.93 J	1.1 U	0.77 J	1 U	1.9	1.3 J
Calcium	--	--	mg/kg		10800	13900	21700	149000	27700	9660	24300	40100
Chromium	30	180	mg/kg		20.6	24.1	12.1	17.4	21.5	11.3	16.4	23.7
Cobalt	--	--	mg/kg		7.2	7.5	4.1	4	6.6	5.1	7	8.9
Copper	50	270	mg/kg		20.3	35.6	**55.2**	8.6	**78.2**	9.1	**192**	**194**
Cyanide	27	27	mg/kg		0.081 J	0.11 J	NA	NA	NA	NA	NA	NA
Iron	--	--	mg/kg		16900	20800	13400	9250	24200	10800	17100	19600
Lead	63	400	mg/kg		29.9	**162**	**127**	13.1	**307**	9.8	**175**	**207**
Magnesium	--	--	mg/kg		9620	6490	10400	87600	6870	8320	15000	22600
Manganese	1600	2000	mg/kg		406	537	121	137	123	137	268	355
Mercury	0.18	0.81	mg/kg		0.17	0.099	**1.7**	0.026	**0.26**	0.02 U	**0.55**	**0.76**
Nickel	30	310	mg/kg		16.1	18.2	13	10.1	18.4	11.1	20	25.2
Potassium	--	--	mg/kg		1370	1560	793	5930	1000	1250	1270	2000
Selenium	3.9	180	mg/kg		0.33 J	0.44 J	1.1 J	5.4 U	3.0 J	5.1 U	0.58 J	0.75 J
Silver	2	180	mg/kg		0.92 U	**39.5**	0.97 U	1.1 U	1.3 U	1 U	1.3 U	1.4 U
Sodium	--	--	mg/kg		793	731	249	746	406	260	423	631
Thallium	--	--	mg/kg		0.13 J	0.15 J	0.49	0.43 U	1.8	0.13 J	0.33 J	0.42 J
Vanadium	--	--	mg/kg		23.3	29.3	27.2	18.8	39.1	14.7	24.9	35.7
Zinc	109	10000	mg/kg		63.6	**366**	**305**	36.8	**200**	25.7	**693**	**718**

Table 3. Summary of Metals in Soil, 410 West 207th Street, New York, New York

Parameter	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	21	9	9	21	21	9	9	9
				Sample Designation:	RX-3	RX-4	RX-4	RX-5	RX-5	RX-6	RX-6	RX-7
				Sample Date:	9/27/2018	9/28/2018	9/28/2018	9/27/2018	9/27/2018	9/28/2018	9/28/2018	9/28/2018
				Sample Depth (ft bls):	8 - 10	0.5 - 2.5	9.5 - 11.5	0.5 - 2.5	5 - 7	0.5 - 2.5	9 - 11	0.5 - 2.5
Aluminum	--	--	mg/kg		8190	9650	11500	5610	8240	7270	8270	11900
Antimony	--	--	mg/kg		1.1 U	8.1	0.98 U	0.96 U	0.99 U	0.35 J	1.1 U	0.46 J
Arsenic	13	16	mg/kg		1.0 J	**13.1**	2.2	3.7	2	3.8	1.3	4.4
Barium	350	400	mg/kg		24.1	**967**	36.7	60.4	29.8	105	31.6	184
Beryllium	7.2	72	mg/kg		0.24 J	0.29 J	0.51	0.26 J	0.33 J	0.29 J	0.37 J	0.53
Cadmium	2.5	4.3	mg/kg		1.1 U	**21**	0.98 U	0.66 J	0.99 U	1.4	1.1 U	0.76 J
Calcium	--	--	mg/kg		182000 B	15400	112000	63700 B	39000	14900	39400	30100
Chromium	30	180	mg/kg		10.7	**42.8**	15	10.4	11.1	15.3	13.5	29.8
Cobalt	--	--	mg/kg		2.3	10.4	5.8	4.2	5	4.9	5.6	8.4
Copper	50	270	mg/kg		7	**520**	10.6	22.7	10.8	**72.5**	12.7	37.6
Cyanide	27	27	mg/kg		NA	NA	NA	NA	NA	NA	NA	NA
Iron	--	--	mg/kg		6690	41100	14500	11100	11500	12200	13000	18300
Lead	63	400	mg/kg		23.9	**1790**	13.1	52.2	4.8	**345**	8	**196**
Magnesium	--	--	mg/kg		94300	9160	63300	23700	27800	10400	24700	18000
Manganese	1600	2000	mg/kg		167	411	240	185	315	221	185	326
Mercury	0.18	0.81	mg/kg		0.036	**0.5**	0.014 J	0.086	0.019 U	0.056	0.019 U	**0.24**
Nickel	30	310	mg/kg		6.1	**164**	11	11.6	10.9	13	13.1	22.7
Potassium	--	--	mg/kg		2340	1730	6720	866	913	1590	2490	2410
Selenium	3.9	180	mg/kg		5.3 U	1.6 J	4.9 U	4.8 U	4.9 U	5.9 U	5.4 U	5.6 U
Silver	2	180	mg/kg		1.1 U	1.0 J	0.98 U	0.96 U	0.99 U	1.8	1.1 U	1.1 U
Sodium	--	--	mg/kg		1010	521	961	311	1050	367	432	1280
Thallium	--	--	mg/kg		0.42 U	0.19 J	0.13 J	0.38 U	0.39 U	0.47 U	0.43 U	0.21 J
Vanadium	--	--	mg/kg		11.5	46.1	19.1	21.1	14.3	30.8	15.7	32.1
Zinc	109	10000	mg/kg		38.2	**19200**	92.3	75.5	33.9	**298**	35.3	**372**

Table 3. Summary of Metals in Soil, 410 West 207th Street, New York, New York

Parameter	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	21	21	9	9	9
				Sample Designation:	RX-8	RX-8	RX-9	RX-10	RX-12
				Sample Date:	9/27/2018	9/27/2018	10/1/2018	10/1/2018	10/1/2018
				Sample Depth (ft bls):	0.5 - 2.5	8 - 10	1.0 - 2.5	1 - 3	2.5 - 4.0
Aluminum	--	--	mg/kg		7090	7380	8540	8870	8360
Antimony	--	--	mg/kg		0.79 J	1 U	1.1 U	1 U	0.97 U
Arsenic	13	16	mg/kg		5.7	2.6	2.4	2.1	3.6
Barium	350	400	mg/kg		185	48.7	37.1	50.9	78.7
Beryllium	7.2	72	mg/kg		0.25 J	0.26 J	0.43	0.47	0.35 J
Cadmium	2.5	4.3	mg/kg		2.3	1 U	1.1 U	1 U	1.9
Calcium	--	--	mg/kg		38400 B	33600 B	53900	50200	69400
Chromium	30	180	mg/kg		14.2	13.2	14.4	15.7	14.4
Cobalt	--	--	mg/kg		4	6	5.9	20.2	5.8
Copper	50	270	mg/kg		**473**	26.1	13.5	14.2	28.4
Cyanide	27	27	mg/kg		NA	NA	NA	NA	NA
Iron	--	--	mg/kg		17100	11600	14200	13700	11600
Lead	63	400	mg/kg		**263**	30.1	15.8	24.9	**94.7**
Magnesium	--	--	mg/kg		14500	18600	31600	27900	36600
Manganese	1600	2000	mg/kg		177	146	250	293	250
Mercury	0.18	0.81	mg/kg		**0.22**	0.012 J	0.018 U	0.019	**0.25**
Nickel	30	310	mg/kg		15	12.9	14.5	15.1	14
Potassium	--	--	mg/kg		913	1260	1910	2630	2430
Selenium	3.9	180	mg/kg		0.46 J	0.38 J	5.4 U	5 U	4.8 U
Silver	2	180	mg/kg		0.96 U	1 U	1.1 U	1 U	1
Sodium	--	--	mg/kg		314	429	218	558	452
Thallium	--	--	mg/kg		0.13 J	0.41 U	0.43 U	0.4 U	0.13 J
Vanadium	--	--	mg/kg		20.4	16.1	16.7	19.7	20
Zinc	109	10000	mg/kg		**898**	**138**	70.4	72.7	**206**

Table 4. Summary of Polychlorinated Biphenyls in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	9	9	21	21	21	21	9	9	9	9	21
				Sample Designation:	MR-4	MR-4	MR-7	MR-9	MR-9	MR-11	MR-11	MR-12	MR-14	MR-14	RX-9	RX-12
				Sample Date:	7/24/2018	7/24/2018	8/2/2018	7/26/2018	7/26/2018	7/23/2018	7/23/2018	7/24/2018	7/30/2018	7/30/2018	10/1/2018	10/1/2018
				Sample Depth (ft bls):	1 - 1.5	9.5 - 11	0.5 - 2.5	1 - 1.5	8 - 9	0.25 - 0.75	5 - 6.5	1.25 - 3	1 - 1.5	5 - 6	1.0 - 2.5	2.5 - 4.0
Aroclor-1016	--	--	mg/kg		0.073 U	0.078 U	0.073 U	0.075 U	0.072 U	0.081 U	0.079 U	0.08 U	0.078 U	0.077 U	0.08 U	0.072 U
Aroclor-1221	--	--	mg/kg		0.073 U	0.078 U	0.073 U	0.075 U	0.072 U	0.081 U	0.079 U	0.08 U	0.078 U	0.077 U	0.08 U	0.072 U
Aroclor-1232	--	--	mg/kg		0.073 U	0.078 U	0.073 U	0.075 U	0.072 U	0.081 U	0.079 U	0.08 U	0.078 U	0.077 U	0.08 U	0.072 U
Aroclor-1242	--	--	mg/kg		0.073 U	0.078 U	0.073 U	0.075 U	0.072 U	0.081 U	0.079 U	0.08 U	0.078 U	0.077 U	0.08 U	0.072 U
Aroclor-1248	--	--	mg/kg		0.073 U	0.078 U	0.073 U	0.075 U	0.072 U	0.081 U	0.079 U	0.08 U	0.078 U	0.077 U	0.08 U	0.072 U
Aroclor-1254	--	--	mg/kg		0.073 U	0.078 U	0.073 U	0.075 U	0.072 U	0.081 U	0.079 U	0.08 U	0.078 U	0.077 U	0.08 U	0.072 U
Aroclor-1260	--	--	mg/kg		0.073 U	0.078 U	0.073 U	0.075 U	0.072 U	0.081 U	0.079 U	0.08 U	0.078 U	0.077 U	0.08 U	0.072 U
Aroclor-1262	--	--	mg/kg		0.073 U	0.078 U	0.073 U	0.075 U	0.072 U	0.081 U	0.079 U	0.08 U	0.078 U	0.077 U	0.08 U	0.072 U
Aroclor-1268	--	--	mg/kg		0.073 U	0.078 U	0.073 U	0.075 U	0.072 U	0.081 U	0.079 U	0.08 U	0.078 U	0.077 U	0.08 U	0.072 U
PCBs, Total	0.1	1	mg/kg		0.073 U	0.078 U	0.073 U	0.075 U	0.072 U	0.081 U	0.079 U	0.08 U	0.078 U	0.077 U	0.08 U	0.072 U

Table 5. Summary of Pesticides and Herbicides in Soil, 410 West 207th Street, New York, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 UUSCO	NYSDEC Part 376 RRSCO	Units	Lot Number:	9	9	9	21	21	21	21	9	9	9
				Sample Designation:	MR-4	MR-4	MR-7	MR-9	MR-9	MR-11	MR-11	MR-12	MR-14	MR-14
				Sample Date:	7/24/2018	7/24/2018	8/2/2018	7/26/2018	7/26/2018	7/23/2018	7/23/2018	7/24/2018	7/30/2018	7/30/2018
				Sample Depth (ft bls):	1 - 1.5	9.5 - 11	0.5 - 2.5	1 - 1.5	8 - 9	0.25 - 0.75	5 - 6.5	1.25 - 3	1 - 1.5	5 - 6
2,4,5-T	--	--	mg/kg		0.037 U	0.039 U	0.036 U	0.037 U	0.036 U	0.04 U	0.039 U	0.04 U	0.039 U	0.038 U
2,4,5-TP	3.8	100	mg/kg		0.037 U	0.039 U	0.036 U	0.037 U	0.036 U	0.04 U	0.039 U	0.04 U	0.039 U	0.038 U
2,4-D	--	--	mg/kg		0.037 U	0.039 U	0.036 U	0.037 U	0.036 U	0.04 U	0.039 U	0.04 U	0.021 JP	0.038 U
4,4'-DDD	0.0033	13	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
4,4'-DDE	0.0033	8.9	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
4,4'-DDT	0.0033	7.9	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
Aldrin	0.005	0.097	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
alpha-BHC	0.02	0.48	mg/kg		0.0022 U	0.0023 U	0.0022 U	0.0022 U	0.0021 U	0.0024 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U
alpha-Chlordane	0.094	4.2	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
beta-BHC	0.036	0.36	mg/kg		0.0022 U	0.0023 U	0.0022 U	0.0022 U	0.0021 U	0.0024 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U
Chlordane	--	--	mg/kg		0.073 U	0.078 U	0.073 U	0.075 U	0.072 U	0.081 U	0.079 U	0.08 U	0.078 U	0.077 U
delta-BHC	0.04	100	mg/kg		0.0022 U	0.0023 U	0.0022 U	0.0022 U	0.0021 U	0.0024 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U
Dieldrin	0.005	0.2	mg/kg		0.0022 U	0.0023 U	0.0022 U	0.0022 U	0.0021 U	0.0024 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U
Endosulfan I	2.4	24	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
Endosulfan II	2.4	24	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
Endosulfan sulfate	2.4	24	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
Endrin aldehyde	--	--	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
Endrin ketone	--	--	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
Endrin	0.014	11	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
gamma-BHC (Lindane)	0.1	1.3	mg/kg		0.0022 U	0.0023 U	0.0022 U	0.0022 U	0.0021 U	0.0024 U	0.0023 U	0.0024 U	0.0023 U	0.0023 U
Heptachlor epoxide	--	--	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
Heptachlor	0.042	2.1	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
Methoxychlor	--	--	mg/kg		0.0073 U	0.0078 U	0.0073 U	0.0075 U	0.0072 U	0.0081 U	0.0079 U	0.008 U	0.0078 U	0.0077 U
Toxaphene	--	--	mg/kg		0.073 U	0.078 U	0.073 U	0.075 U	0.072 U	0.081 U	0.079 U	0.08 U	0.078 U	0.077 U

Table 6. Summary of Volatile Organic Compounds in Groundwater, 410 West 207th Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Lot Number:	21	9	9	21	9	9	9
		Sample Designation:	MR-9	MR-12	MR-14	RX-2	RX-4	RX-4 DUP	RX-6
		Sample Date:	8/2/2018	8/2/2018	8/2/2018	9/27/2018	9/28/2018	9/28/2018	9/28/2018
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 UT	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	--		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	--		50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Butanone (MEK)	50		5 U	2.6 J	5 U	14	5 U	2.4 J	5 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)	--		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		5 U	15	5 U	21	12	10	5 U
Benzene	1		1 U	**20**	1 U	**54 T**	1 U	1 U	1 U
Bromochloromethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50		1 U	1 U	0.40 J	1 U	1 U	1 U	1 U
Bromoform	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	60		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	0.97 J	1 U	1 U	1 U
Chloroform	7		**8.2**	2.1	**7.3**	1 U	1 U	1 U	1 U
Chloromethane	--		1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	--		1 U	1 U	1 U	36	1 U	1 U	1 U
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloropropane	0.04		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5		1 U	**6**	1 U	**28**	1 U	1 U	1 U
Freon 113	--		1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 6. Summary of Volatile Organic Compounds in Groundwater, 410 West 207th Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Lot Number:**	21	9	9	21	9	9	9
		Sample Designation:	MR-9	MR-12	MR-14	RX-2	RX-4	RX-4 DUP	RX-6
		Sample Date:	8/2/2018	8/2/2018	8/2/2018	9/27/2018	9/28/2018	9/28/2018	9/28/2018
Isopropylbenzene	5		1 U	0.80 J	1 U	**280**	1 U	1 U	1 U
m+p-Xylene	5		1 U	**36**	1 U	**7.1**	1 U	1 U	1 U
Methyl acetate	--		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	--		1 U	1 U	1 U	72	1 U	1 U	1 U
Methylene chloride	5		0.52 J	1	0.36 J	1 U	1 U	1 U	1 U
MTBE	10		1 U	0.99 J	1 U	1 U	1 U	1 U	1 U
o-Xylene	5		1 U	**29**	1 U	1.5	1 U	1 U	1 U
Styrene	5		1 U	**14**	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	**23**	0.41 J	**5.5**	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	--		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, 410 West 207th Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Lot Number:	21	9	9	21	9	9	9
		Sample Designation:	MR-9	MR-12	MR-14	RX-2	RX-4	RX-4 DUP	RX-6
		Sample Date:	8/2/2018	8/2/2018	8/2/2018	9/27/2018	9/28/2018	9/28/2018	9/28/2018
1,1'-Biphenyl	--		10 U	50 U	10 U	10 U	10 U	10 U	10 U
1,2,4,5-Tetrachlorobenzene	--		10 U	50 U	10 U	10 U	10 U	10 U	10 U
2,3,4,6-Tetrachlorophenol	--		10 U	50 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	--		10 U	50 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	--		10 U	50 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5		10 U	50 U	10 U	10 UT	10 U	10 U	10 U
2,4-Dimethylphenol	50		10 U	50 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10		20 U	100 U	20 U	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5		2 U	10 U	2 U	2 U	2 U	2 U	2 U
2,6-Dinitrotoluene	5		2 U	10 U	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	10		10 U	50 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	--		10 U	50 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	--		10 U	32 J	10 U	62	10 U	10 U	10 U
2-Methylphenol	--		10 U	170	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	--		10 U	50 U	10 U	10 UT	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5		10 UT	50 UT	10 UT	10 U	10 U	10 U	10 U
3-Nitroaniline	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	--		20 U	100 U	20 U	20 U	20 U	20 U	20 U
4-Bromophenyl phenyl ether	--		10 U	50 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	--		10 U	50 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5		10 UT	50 UT	10 UT	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	--		10 U	50 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	--		10 U	140	10 U	10 U	4.1 J	4.0 J	10 U
4-Nitroaniline	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	--		20 U	100 U	20 U	20 UT	20 UT	20 UT	20 UT
Acenaphthene	20		10 U	**21 J**	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	20		10 U	50 U	10 U	10 UT	10 U	10 U	10 U
Acetophenone	--		10 U	50 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50		10 U	50 U	10 U	10 U	2.8 J	10 U	10 U
Atrazine	--		2 U	10 U	2 U	2 UT	2 U	2 U	2 U
Benzaldehyde	--		10 UT	50 UT	10 UT	10 U	10 U	10 U	10 U
Benzo[a]anthracene	0.002		1 U	5 U	1 U	1 U	**6.7**	1 U	1 U
Benzo[a]pyrene	0		1 U	5 U	1 U	1 U	**6.2**	1 U	1 U
Benzo[b]fluoranthene	0.002		2 U	10 U	2 U	2 U	**8**	2 U	2 U
Benzo[g,h,i]perylene	--		10 U	50 U	10 U	10 U	3.5 J	10 U	10 U
Benzo[k]fluoranthene	0.002		1 U	5 U	1 U	1 U	**3.1**	1 U	1 U

Table 7. Summary of Semivolatile Organic Compounds in Groundwater, 410 West 207th Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Lot Number:	21	9	9	21	9	9	9
		Sample Designation:	MR-9	MR-12	MR-14	RX-2	RX-4	RX-4 DUP	RX-6
		Sample Date:	8/2/2018	8/2/2018	8/2/2018	9/27/2018	9/28/2018	9/28/2018	9/28/2018
Bis(2-chloro-1-methylethyl)ether	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethoxy)methane	5		10 U	50 U	10 U	10 U	10 U	10 U	10 U
Bis(2-chloroethyl) ether	--		1 U	5 U	1 U	1 U	1 U	1 U	1 U
Bis(2-ethylhexyl) phthalate	5		2 U	10 U	2 U	2 U	2 U	2 U	2 U
Butylbenzyl phthalate	50		10 U	50 U	10 U	10 U	10 U	10 U	10 U
Caprolactam	--		10 UT	50 UT	10 UT	10 UT	10 U	10 U	10 U
Carbazole	--		10 U	13 J	10 U	10 U	5.0 J	4.6 J	10 U
Chrysene	0.002		2 U	10 U	2 U	2 U	**6.3**	2 U	2 U
Dibenzo[a,h]anthracene	--		1 U	5 U	1 U	1 U	0.74 J	1 U	1 U
Dibenzofuran	--		10 U	11 J	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	50		10 U	50 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	50		10 U	50 U	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	50		10 U	50 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	--		10 U	50 U	10 U	10 UT	10 U	10 U	10 U
Fluoranthene	50		10 U	50 U	10 U	10 U	13	1.0 J	10 U
Fluorene	50		10 U	13 J	10 U	10 U	1.3 J	10 U	10 U
Hexachlorobenzene	0.04		1 U	5 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5		1 U	5 U	1 U	1 U	1 UT	1 UT	1 UT
Hexachlorocyclopentadiene	5		10 U	50 U	10 U	10 U	10 UT	10 UT	10 UT
Hexachloroethane	5		2 U	10 U	2 U	2 U	2 U	2 U	2 U
Indeno[1,2,3-cd]pyrene	0.002		2 U	10 U	2 U	2 U	**3.7**	2 U	2 U
Isophorone	50		10 U	50 U	10 U	10 UT	10 U	10 U	10 U
Naphthalene	10		10 U	**570**	10 U	**90**	3.4 J	4.0 J	10 U
Nitrobenzene	0.4		1 U	5 U	1 U	1 U	1 U	1 U	1 U
n-Nitrosodi-n-propylamine	--		1 U	5 U	1 U	1 U	1 U	1 U	1 U
n-Nitrosodiphenylamine	50		10 U	50 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1		20 U	100 U	20 U	20 U	20 U	20 U	20 U
Phenanthrene	50		10 U	8.7 J	10 U	10 U	9.9 J	1.3 J	10 U
Phenol	1		10 U	50 U	10 U	10 UT	**2.3 J**	**2.0 J**	10 U
Pyrene	50		10 U	50 U	10 U	10 U	13	10 U	10 U

Table 8. Summary of Metals in Groundwater, 410 West 207th Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Lot Number:	21	9	9	21	9	9	9
		Sample Designation:	MR-9	MR-12	MR-14	RX-2	RX-4	RX-4 DUP	RX-6
		Sample Date:	8/2/2018	8/2/2018	8/2/2018	9/27/2018	9/28/2018	9/28/2018	9/28/2018
Aluminum	--		149	7010	419	8870	972	577	470
Antimony	3		2.1	2.1	2.4	1.3 J	**3.8**	3	0.91 J
Arsenic	25		2.2	6	2.3	16.1	3.5	2.9	2 U
Barium	1000		182	238	274	258	240	252	536
Beryllium	3		0.8 U	0.8 U	0.8 U	0.86	0.8 U	0.8 U	0.8 U
Cadmium	5		2 U	2 U	2 U	2 U	2 U	2 U	2 U
Calcium	--		101000	106000	264000	173000	122000	111000	185000
Chromium	50		4 U	23.5	3.1 J	23.4	2.6 J	4 U	4 U
Cobalt	--		4 U	13	2.5 J	5.4	2.2 J	2.3 J	4 U
Copper	200		2.4 J	140	3.3 J	41.2	7.1	5.2	3.3 J
Cyanide	200		5.5 BJ	41.8 B	7.4 BJ	NA	NA	NA	NA
Iron	300		**857**	**12600**	**1250**	**19400**	**1600**	**1190**	**3570**
Lead	25		0.73 J	5.4	2.9	**209**	**67.2**	20.9	9.7
Magnesium	35000		**40500**	**42800**	**127000**	**46900**	**40300**	**55900**	**137000**
Manganese	300		**424**	**634**	**374**	**726**	**679**	**826**	**645**
Mercury	0.7		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100		2.9 J	51.1	6.5	15.1	7.1	5.8	3.0 J
Potassium	--		34900	21500	64600	28500	74900	68500	52300
Selenium	10		**11.7**	10 U	1.4 J	10 U	10 U	10 U	10 U
Silver	50		2 U	22.8	2 U	2 U	2 U	2 U	2 U
Sodium	20000		**615000**	**124000**	**901000**	**335000**	**1290000**	**1400000**	**1380000**
Thallium	0.5		0.8 U	0.8 U	0.8 U	0.38 J	0.8 U	0.8 U	0.8 U
Vanadium	--		1.4 J	11.8	1.8 J	20.8	10.1	6.9	2.6 J
Zinc	2000		6.4 J	105	10.3 J	101	78.5	58	16.8

Table 9. Summary of Polychlorinated Biphenyls in Groundwater, 410 West 207th Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Lot Number:** **Sample Designation:** **Sample Date:**	21 MR-9 8/2/2018	9 MR-12 8/2/2018	9 MR-14 8/2/2018
Aroclor-1016	--		0.4 U	0.4 U	0.4 U
Aroclor-1221	--		0.4 U	0.4 U	0.4 U
Aroclor-1232	--		0.4 U	0.4 U	0.4 U
Aroclor-1242	--		0.4 U	0.4 U	0.4 U
Aroclor-1248	--		0.4 U	0.4 U	0.4 U
Aroclor-1254	--		0.4 U	0.4 U	0.4 U
Aroclor-1260	--		0.4 U	0.4 U	0.4 U
Aroclor-1262	--		0.4 U	0.4 U	0.4 U
Aroclor-1268	--		0.4 U	0.4 U	0.4 U
PCBs, Total	0.09		0.4 U	0.4 U	0.4 U

Table 10. Summary of Pesticides and Herbicides in Groundwater, 410 West 207th Street, New York, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	**Lot Number:** **Sample Designation:** **Sample Date:**	21 MR-9 8/2/2018	9 MR-12 8/2/2018	9 MR-14 8/2/2018
2,4,5-T	--		1.2 U	1.2 U	1.2 U
2,4,5-TP	0.26		1.2 U	1.2 U	1.2 U
2,4-D	50		1.2 U	1.2 U	1.2 U
4,4'-DDD	0.3		0.02 U	0.02 U	0.02 U
4,4'-DDE	0.2		0.02 U	0.02 U	0.02 U
4,4'-DDT	0.2		0.02 U	0.02 U	0.02 U
Aldrin	0		0.02 U	0.02 U	0.02 U
alpha-BHC	--		0.02 U	0.02 U	0.02 U
beta-BHC	--		0.02 U	0.02 U	0.02 U
Chlordane	0.05		0.5 U	0.5 U	0.5 U
delta-BHC	--		0.02 U	0.02 U	0.02 U
Dieldrin	0.004		0.02 U	0.02 U	0.02 U
Endosulfan I	--		0.02 U	0.02 U	0.02 U
Endosulfan II	--		0.02 U	0.02 U	0.02 U
Endosulfan sulfate	--		0.02 U	0.02 U	0.02 U
Endrin aldehyde	5		0.02 U	0.02 U	0.02 U
Endrin ketone	--		0.02 U	0.02 U	0.02 U
Endrin	0		0.02 U	0.02 U	0.02 U
gamma-BHC (Lindane)	--		0.02 U	0.02 U	0.02 U
Heptachlor epoxide	0.03		0.02 U	0.02 U	0.02 U
Heptachlor	0.04		0.02 U	0.02 U	0.02 U
Methoxychlor	35		0.02 U	0.02 U	0.02 U
Toxaphene	0.06		0.5 U	0.5 U	0.5 U

Table 11. Summary of Volatile Organic Compounds in Soil Vapor, 410 West 207th Street, New York, New York

Parameter (Concentrations in ug/m^3)	Lot Number:	9	21	9	21
	Sample Designation:	V-2	V-3	V-4	V-5
	Sample Date:	8/2/2018	8/2/2018	8/2/2018	8/2/2018
1,1,1-Trichloroethane		19 U	13000 U	3.3 U	**6.0 J**
1,1,2,2-Tetrachloroethane		24 U	16000 U	4.1 U	19 U
1,1,2-Trichloroethane		19 U	13000 U	3.3 U	15 U
1,1-Dichloroethane		14 U	9300 U	2.4 U	11 U
1,1-Dichloroethene		2.5 U	1600 U	0.42 U	1.9 U
1,2,4-Trichlorobenzene		66 U	43000 U	11 U	52 U
1,2,4-Trimethylbenzene		18 U	11000 U	**4.5**	14 U
1,2-Dibromoethane		27 U	18000 U	4.6 U	22 U
1,2-Dichlorobenzene		21 U	14000 U	3.6 U	17 U
1,2-Dichloroethane		14 U	9300 U	2.4 U	11 U
1,2-Dichloroethene (total)		28 U	18000 U	4.7 U	22 U
1,2-Dichloropropane		16 U	11000 U	2.8 U	13 U
1,3,5-Trimethylbenzene		18 U	11000 U	2.9 U	14 U
1,3-Butadiene		7.9 U	5100 U	**0.71 J**	**13**
1,3-Dichlorobenzene		21 U	14000 U	3.6 U	17 U
1,4-Dichlorobenzene		21 U	14000 U	3.6 U	17 U
1,4-Dioxane		320 U	210000 U	54 U	250 U
2-Butanone (MEK)		**21 J**	17000 U	**4.7**	**11 J**
2-Hexanone		36 U	24000 U	6.1 U	29 U
3-Chloropropene		28 U	18000 U	4.7 U	22 U
4-Ethyltoluene		18 U	11000 U	2.9 U	14 U
4-Methyl-2-pentanone (MIBK)		36 U	24000 U	6.1 U	29 U
Acetone		210 U	140000 U	**46**	170 U
Benzene		**23**	**5400 J**	**7**	**8.6 J**
Benzyl chloride		18 U	12000 U	3.1 U	14 U
Bromodichloromethane		24 U	15000 U	**93**	19 U
Bromoethene		16 U	10000 U	2.6 U	12 U
Bromoform		37 U	24000 U	6.2 U	29 U
Bromomethane		14 U	8900 U	2.3 U	11 U
Butane		**130**	**24000**	**90**	**170**
Carbon disulfide		**18 J**	18000 U	**42**	**21 J**
Carbon tetrachloride		3.9 U	2500 U	**0.84**	3.1 U
Chlorobenzene		16 U	11000 U	**1.4 J**	13 U
Chlorodifluoromethane		31 U	20000 U	**24**	25 U
Chloroethane		23 U	15000 U	3.9 U	18 U
Chloroform		**30**	11000 U	**320**	**27**
Chloromethane		18 U	12000 U	**2.0 J**	14 U
cis-1,2-Dichloroethene		2.5 U	1600 U	0.42 U	1.9 U

Table 11. Summary of Volatile Organic Compounds in Soil Vapor, 410 West 207th Street, New York, New York

Parameter (Concentrations in ug/m^3)	Lot Number:	9	21	9	21
	Sample Designation:	V-2	V-3	V-4	V-5
	Sample Date:	8/2/2018	8/2/2018	8/2/2018	8/2/2018
cis-1,3-Dichloropropene		16 U	10000 U	2.7 U	13 U
Cyclohexane		**29**	**11000**	**5.7**	**14**
Dibromochloromethane		30 U	20000 U	**8.2**	24 U
Dichlorodifluoromethane		44 U	28000 U	7.4 U	35 U
Ethylbenzene		**10 J**	10000 U	**180**	12 U
Freon 113		27 U	18000 U	4.6 U	21 U
Freon 114		25 U	16000 U	4.2 U	20 U
Hexachlorobutadiene		38 U	24000 U	6.4 U	30 U
Isooctane		**2600**	**1100000**	**460**	**39**
ISOPROPANOL		220 U	140000 U	37 U	170 U
Isopropylbenzene		**15 J**	**5300 J**	**6.8**	14 U
m+p-Xylene		**22 J**	25000 U	**410**	**4.9 J**
Methyl Methacrylate		36 U	24000 U	**44**	29 U
Methylene chloride		31 U	20000 U	**2.6 J**	24 U
MTBE		13 U	8300 U	2.2 U	10 U
Naphthalene		47 U	30000 U	7.8 U	37 U
n-Butylbenzene		20 U	13000 U	3.3 U	15 U
N-HEPTANE		**100**	**24000**	2.5 U	**160**
n-Hexane		**87**	**20000**	**12**	**84**
n-Propylbenzene		**14 J**	**4500 J**	2.9 U	14 U
o-Chlorotoluene		18 U	12000 U	3.1 U	14 U
o-Xylene		**8.7 J**	10000 U	**380**	12 U
p-Isopropyltoluene		20 U	13000 U	**15**	15 U
sec-Butylbenzene		20 U	13000 U	3.3 U	15 U
Styrene		15 U	9800 U	**13**	12 U
t-Butyl Alcohol		270 U	170000 U	45 U	210 U
tert-Butylbenzene		20 U	13000 U	3.3 U	15 U
Tetrachloroethene		**47**	16000 U	**0.75 J**	**26**
Tetrahydrofuran		260 U	170000 U	44 U	210 U
Toluene		**1600**	8700 U	**14**	**1300**
trans-1,2-Dichloroethene		14 U	9100 U	2.4 U	11 U
trans-1,3-Dichloropropene		16 U	10000 U	2.7 U	13 U
Trichloroethene		3.3 U	2200 U	**1.2**	2.6 U
Trichlorofluoromethane		20 U	13000 U	**21**	16 U
Vinyl chloride		1.6 U	1000 U	0.27 U	1.3 U
Xylenes (total)		**30 J**	35000 U	**790**	43 U

FIGURES

1. Site Location Map
2. Site Plan and Sampling Locations
3. Surrounding Land Use
4. Summary of Exceedances in Soil
5. Summary of Exceedances in Groundwater
6. Summary of Soil Vapor Sample Results

QUADRANGLE LOCATION

SOURCE:
USGS; 2016, Central Park, NY-NJ
7.5 Minute Topographic Quadrangle

N

0 2000'

Title:

SITE LOCATION MAP

410 WEST 207TH STREET
NEW YORK, NEW YORK

Prepared for:

TACONIC INVESTMENT PARTNERS, LLC

ROUX

Compiled by: V.S.	Date: 15MAY19	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	1
Project Mgr: V.S.	Project: 2477.0008Y000	
File: 2477.0008Y104.01.CDR		

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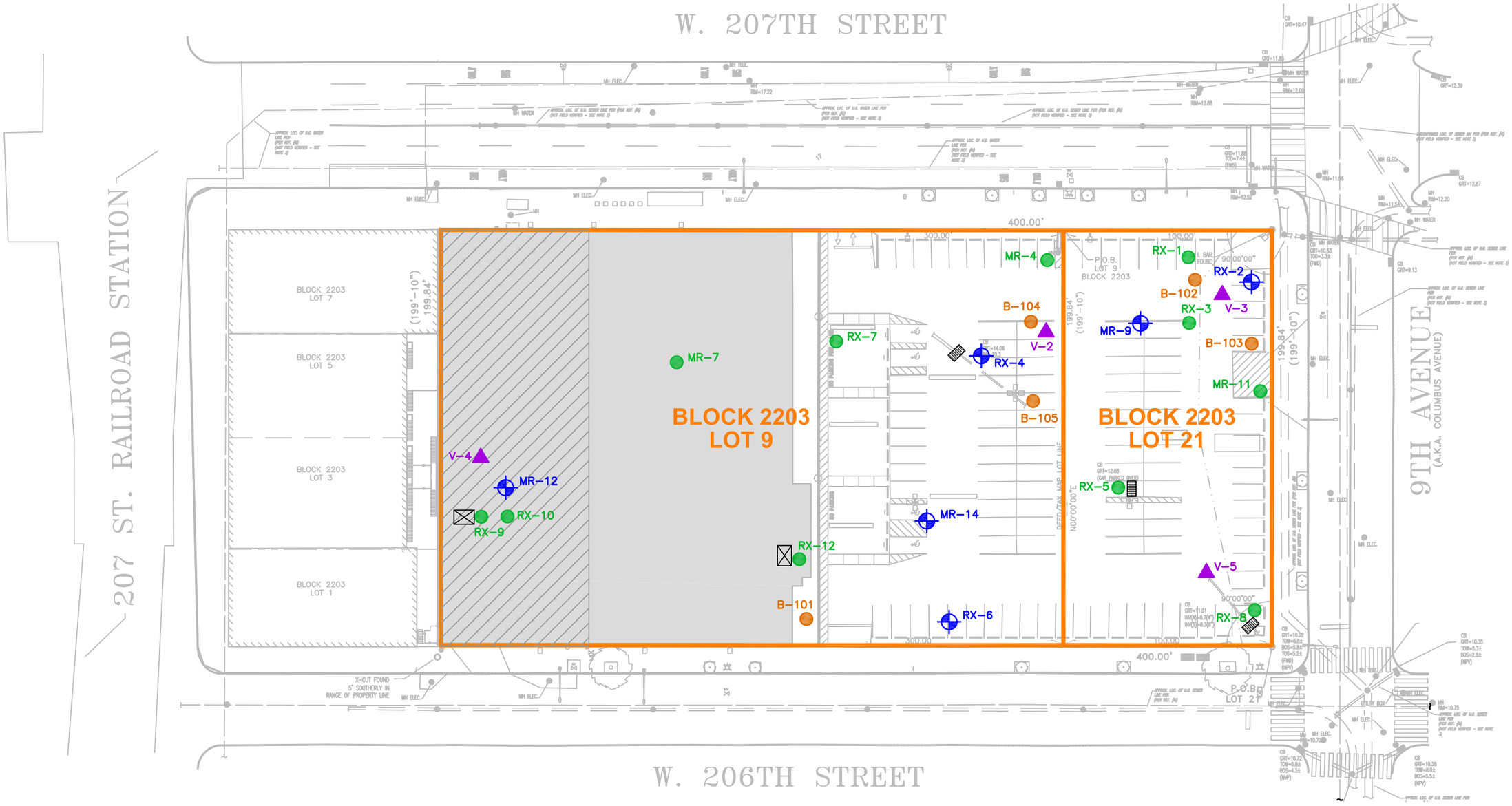

LEGEND

- MR-12 — SOIL BORING AND TEMPORARY MONITORING WELL LOCATION AND DESIGNATION
- RX-7 — SOIL BORING LOCATION AND DESIGNATION
- V-4 — SOIL VAPOR SAMPLING LOCATION AND DESIGNATION
- B-101 — SOIL BORING AND TEMPORARY MONITORING WELL LOCATION AND DESIGNATION (INSTALLED BY STANTEC, 2011)
- SITE
- GROCERY STORE FOOTPRINT
- GROCERY STORE BASEMENT
- ELEVATOR
- CATCH BASIN

REFERENCE:
CONTROL POINT SURVEY V-001.00 DATED 7/10/2018

N

50' 0 50'

Title:

SITE PLAN AND SAMPLING LOCATIONS

410 WEST 207TH STREET
NEW YORK, NEW YORK

Prepared for:

TACONIC INVESTMENT PARTNERS, LLC

ROUX

Compiled by: V.S.	Date: 17MAY19	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	2
Project Mgr: V.S.	Project: 2477.0008Y000	
File: 2477.0008Y104.02.DWG		

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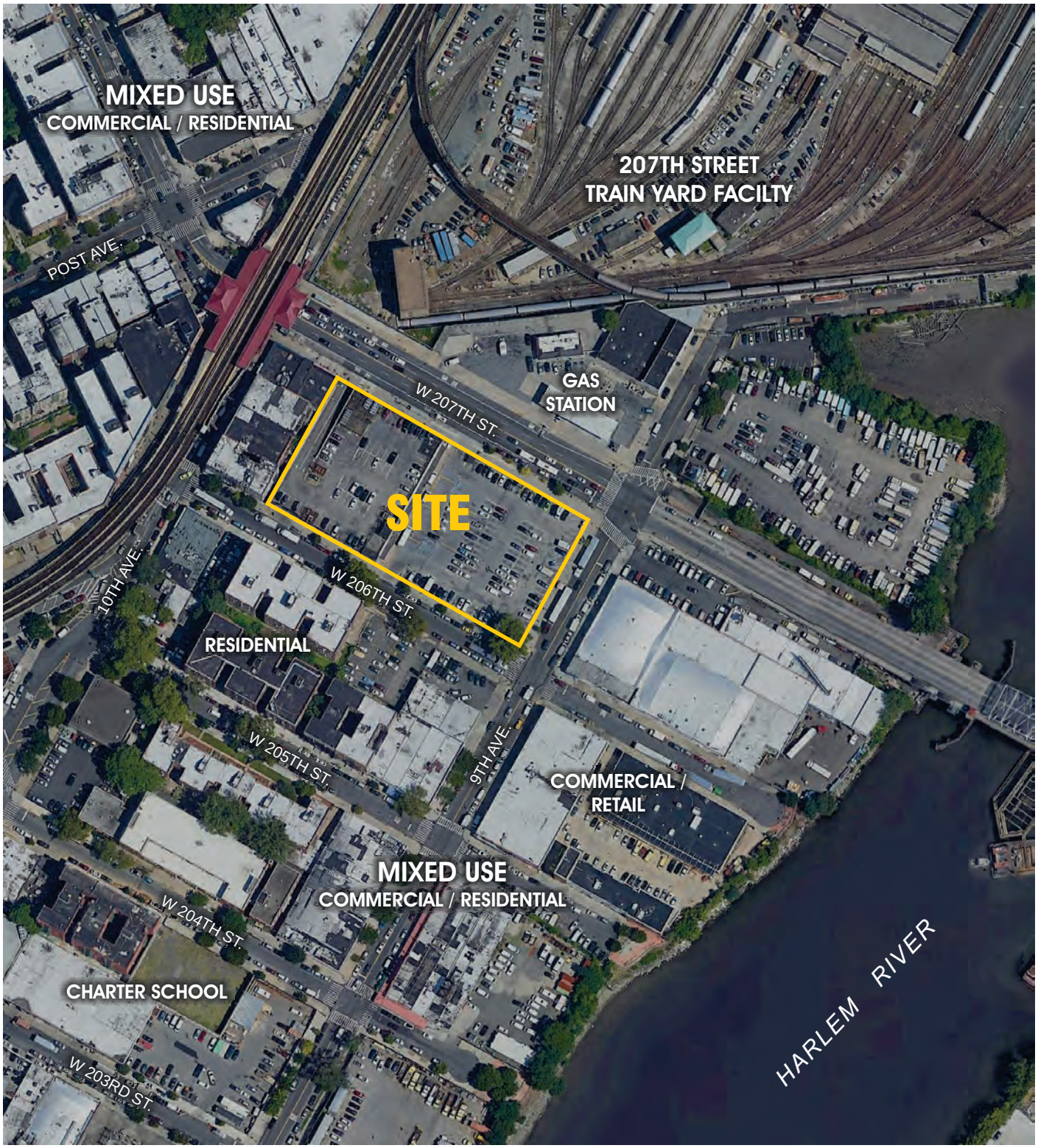


200’ 0 200’

N

Title:

SURROUNDING LAND USE

410 WEST 207TH STREET
NEW YORK, NEW YORK

Prepared for:

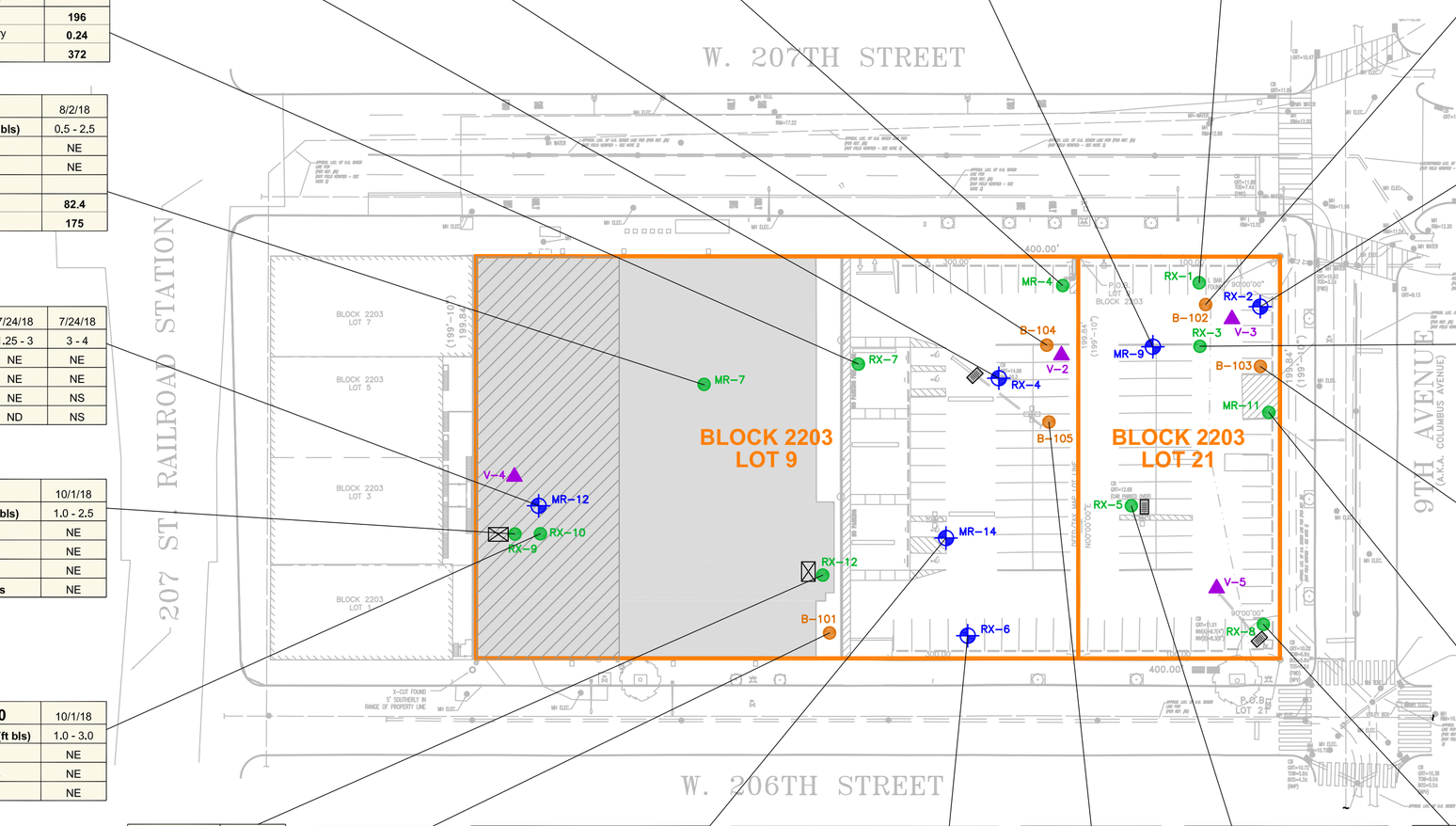
TACONIC INVESTMENT PARTNERS, LLC

ROUX

Compiled by: V.S.	Date: 17MAY19
Prepared by: B.H.C.	Scale: AS SHOWN
Project Mgr: V.S.	Project: 2477.0008Y000
File: 2477.0008Y104.03.CDR	

FIGURE
3

\2477Y\0008Y104\2477.0008Y104.03.CDR



RX-4	9/28/18	9/28/18
Depth (ft bls)	0.5 - 2.5	9.5 - 11.5
VOCs		
Benzene	**0.23**	ND
SVOCs	NE	NE
Metals		
Arsenic	**13.1**	NE
Barium	**967**	NE
Cadmium	**21**	ND
Chromium	**42.8**	NE
Copper	**520**	NE
Lead	**1790**	NE
Mercury	**0.5**	NE
Nickel	**164**	NE
Zinc	**19200**	NE

B-104	10/14/11
Depth (ft bls)	8.0-10.0
VOCs	NE
SVOCs	NE
Metals	NE

MR-4	7/24/18	**7/24/18**
Depth (ft bls)	1 - 1.5	**9.5 - 11**
VOCs		
Acetone	NE	**1.6**
SVOCs	NE	NE
Metals		
Lead	**141**	NE
Zinc	**274**	**178**

MR-9	7/26/18	7/26/18
Depth (ft bls)	1 - 1.5	8 - 9
VOCs	NE	NE
SVOCs	NE	NE
Metals		
Copper	**58.6**	NE
Lead	**134**	NE
Mercury	**0.2**	NE
Zinc	**144**	NE

RX-1	9/26/18	9/26/18	9/26/18	9/26/18
Depth (ft bls)	0.5 - 2.5	5.0 - 7.0	8.0 - 10.0	13.5 - 15.5
VOCs				
Benzene	**0.45**	ND	ND	ND
Ethylbenzene	**6.4**	NE	**1.1**	NE
n-Butylbenzene	NE	NE	**14**	NE
n-Propylbenzene	**4.4**	NE	**19**	NE
Xylenes (total)	**2.7**	NE	NE	ND
SVOCs	NE	NS	NE	NE
Metals				
Arsenic	**15**	NS	NE	NS
Copper	**55.2**	NS	NE	NS
Lead	**127**	NS	NE	NS
Mercury	**1.7**	NS	NE	NS
Zinc	**305**	NS	NE	NS

B-102	7/9/11
Depth (ft bls)	6.5 - 7.0
VOCs	
n-Butylbenzene	**59.1**
sec-Butylbenzene	**20.7**
Ethylbenzene	**15.4**
Naphthalene	**140**
n-Propylbenzene	**111**
1,2,4-Trimethylbenzene	**184**
1,3,5-Trimethylbenzene	**60.5**
SVOCs	
Naphthalene	**56.3**
Metals	
Cadmium	**2.67**
Chromium	**37.1**
Lead	**175**

RX-7	9/28/18
Depth (ft bls)	0.5 - 2.5
VOCs	NE
SVOCs	NE
Metals	
Lead	**196**
Mercury	**0.24**
Zinc	**372**

MR-7	8/2/18
Depth (ft bls)	0.5 - 2.5
VOCs	NE
SVOCs	NE
Metals	
Lead	**82.4**
Zinc	**175**

MR-12	7/24/18	7/24/18
Depth (ft bls)	1.25 - 3	3 - 4
VOCs	NE	NE
SVOCs	NE	NE
Metals	NE	NS
Pesticides	ND	NS

RX-9	10/1/18
Depth (ft bls)	1.0 - 2.5
VOCs	NE
SVOCs	NE
Metals	NE
Pesticides	NE

RX-10	10/1/18
Depth (ft bls)	1.0 - 3.0
VOCs	NE
SVOCs	NE
Metals	NE

RX-12	10/1/18
Depth (ft bls)	2.5 - 4.0
VOCs	NE
SVOCs	NE
Metals	
Lead	**94.7**
Mercury	**0.25**
Zinc	**206**
Pesticides	NE

B-101	7/9/11
Depth (ft bls)	4.8-6.1
VOCs	NE
SVOCs	ND
Metals	NE

MR-14	7/30/18	**7/30/18**
Depth (ft bls)	1 - 1.5	**5 - 6**
VOCs	NE	NE
SVOCs	NE	NE
Metals		
Lead	NE	**162**
Silver	ND	**39.5**
Zinc	NE	**366**
Pesticides	NE	ND

RX-6	9/28/18	9/28/18	9/28/18
Depth (ft bls)	0.5 - 2.5	9 - 11	14 - 16
VOCs	NE	NE	NE
SVOCs	NE	NE	NE
Metals			
Copper	**72.5**	NE	NS
Lead	**345**	NE	NS
Zinc	**298**	NE	NS

B-105	10/24/11
Depth (ft bls)	8.0-10.0
VOCs	NE
SVOCs	NE
Metals	
Lead	**70.6**

RX-5	9/27/18	9/27/18
Depth (ft bls)	0.5 - 2.5	5 - 7
VOCs	NE	NE
SVOCs	NE	NE
Metals	NE	NE

RX-8	9/27/18	9/27/18
Depth (ft bls)	0.5 - 2.5	8 - 10
VOCs	NE	NE
SVOCs	NE	NE
Metals		
Copper	**473**	NE
Lead	**263**	NE
Mercury	**0.22**	NE
Zinc	**898**	**138**

RX-2	9/26/18	9/26/18
Depth (ft bls)	0.5 - 2.5	10 - 12
VOCs		
Ethylbenzene	NE	**1.1**
n-Butylbenzene	NE	**16**
n-Propylbenzene	NE	**43**
SVOCs	NE	NE
Metals		
Arsenic	**46.2**	NE
Copper	**78.2**	NE
Lead	**307**	NE
Mercury	**0.26**	ND
Zinc	**200**	NE

RX-3	9/27/18	**9/27/18**	9/27/18
Depth (ft bls)	0.5 - 2.5	**0.5 - 2.5 DUP**	8 - 10
VOCs	NE	NE	NE
SVOCs	NE	NE	NE
Metals			
Copper	**192**	**194**	NE
Lead	**175**	**207**	NE
Mercury	**0.55**	**0.76**	NE
Zinc	**693**	**718**	NE

B-103	7/9/11
Depth (ft bls)	6.5-7.3
VOCs	NE
SVOCs	NE
Metals	NE

MR-11	7/23/18	**7/23/18**
Depth (ft bls)	0.25 - 0.75	**5 - 6.5**
VOCs	NE	NE
SVOCs	NE	NE
Metals		
Lead	**70.4**	**95.3**
Zinc	**178**	**351**

LEGEND

- MR-12 — SOIL BORING AND TEMPORARY MONITORING WELL LOCATION AND DESIGNATION
- RX-7 — SOIL BORING LOCATION AND DESIGNATION
- B-101 — SOIL BORING AND TEMPORARY MONITORING WELL LOCATION AND DESIGNATION (INSTALLED BY STANTEC, 2011)
- V-4 — SOIL VAPOR SAMPLING LOCATION AND DESIGNATION
- CATCH BASIN
- SITE
- GROCERY STORE FOOTPRINT
- GROCERY STORE BASEMENT
- ELEVATOR

TYPICAL DATA BOX INFORMATION

SAMPLE ID# → RX-10	10/1/18	← SAMPLE DATE
	Depth (ft bls)	1.0 - 3.0 ← SAMPLE DEPTH (FT)
ANALYTES →	**VOCs**	NE
	SVOCs	NE
	Metals	NE ← CONCENTRATION (mg/kg)

Parameter (Concentrations in mg/kg)	UUSCOs (mg/kg)	RRSCOs (mg/kg)
VOCs		
Acetone	**0.05**	**100**
Benzene	**0.06**	**4.8**
Ethylbenzene	**1**	**41**
SVOCs	**NE**	**NE**
Metals		
Arsenic	**13**	**16**
Barium	**350**	**400**
Cadmium	**2.5**	**4.3**
Chromium	**30**	**180**
Copper	**50**	**270**
Lead	**63**	**400**
Mercury	**0.18**	**0.81**
Nickel	**30**	**310**
Silver	**2**	**180**
Zinc	**109**	**10000**
Pesticides	**NE**	**NE**
PCBs	**NE**	**NE**

Concentrations in mg/kg

- mg/kg – Milligrams per kilogram
- UUSCOs – NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives
- RRSCOs – NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives
- NYSDEC – New York State Department of Environmental Conservation
- -- – No NYSDEC Part 375 Soil Cleanup Objectives available
- DUP – Duplicate Sample
- VOCs – Volatile Organic Compounds
- SVOCs – Semivolatile Organic Compounds
- NE – No exceedance
- ND – No detection
- NS – Not sampled
- ft bls – Feet below land surface

Results shown in **BOLD** type exceed NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives

Results with gray background exceed NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives

N

50' 0 50'

Title:

SUMMARY OF EXCEEDANCES IN SOIL

410 WEST 207TH STREET
NEW YORK, NEW YORK

Prepared for:

TACONIC INVESTMENT PARTNERS, LLC

ROUX

Compiled by: V.S.	Date: 17MAY18
Prepared by: B.H.C.	Scale: AS SHOWN
Project Mgr: V.S.	Project: 2477.0008Y000
File: 2477.0008Y104.02.DWG	

FIGURE 4

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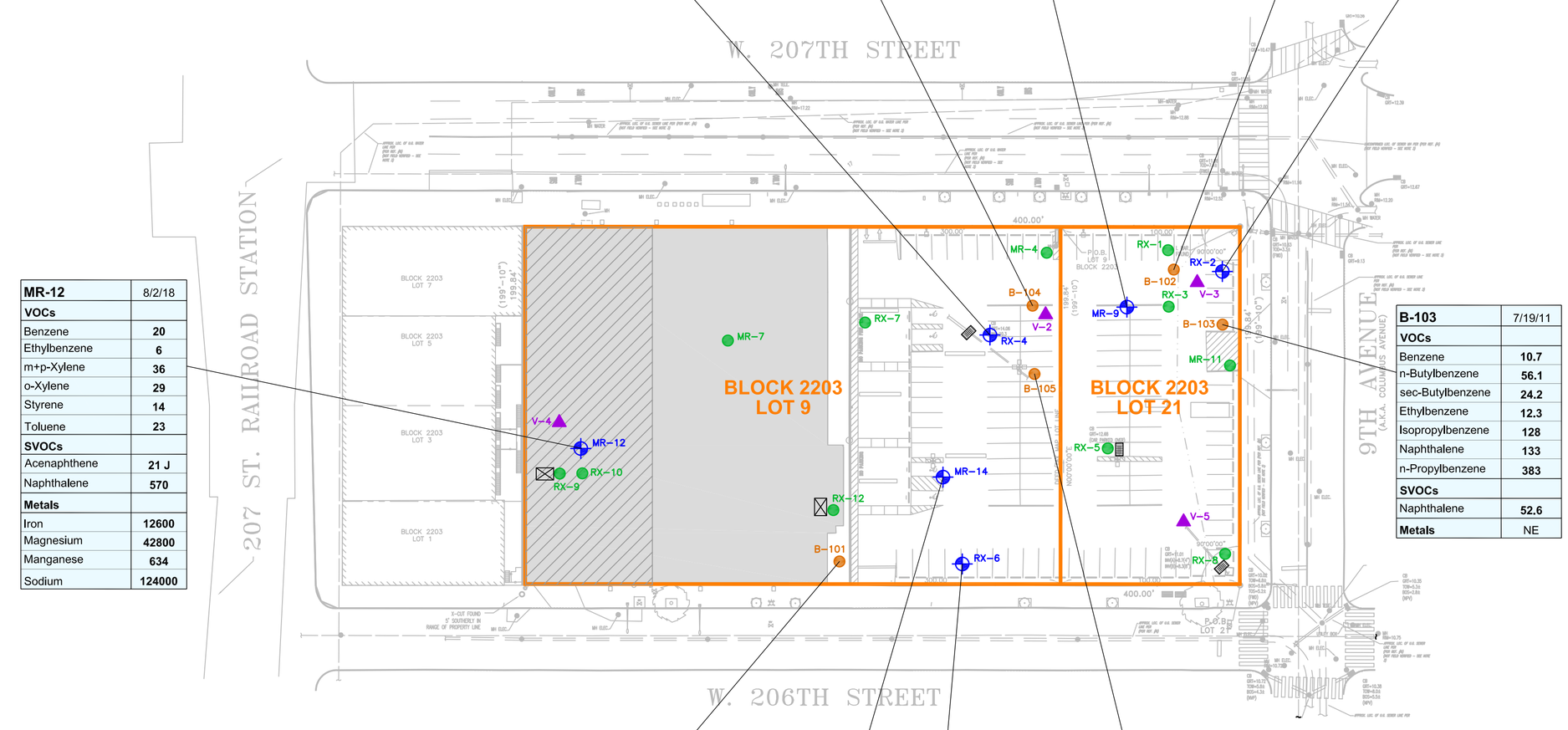
RX-4	9/28/18	9/28/2018 DUP
VOCs	NE	NE
SVOCs		
Benzo[a]anthracene	**6.7**	ND
Benzo[a]pyrene	**6.2**	ND
Benzo[b]fluoranthene	**8**	ND
Benzo[k]fluoranthene	**3.1**	ND
Chrysene	**6.3**	ND
Indeno[1,2,3-cd]pyrene	**3.7**	ND
Phenol	**2.3 J**	**2.0 J**
Metals		
Antimony	**3.8**	NE
Iron	**1600**	**1190**
Lead	**67.2**	NE
Magnesium	**40300**	**55900**
Manganese	**679**	**826**
Sodium	**1290000**	**1400000**

B-104	7/19/11
VOCs	NE
SVOCs	NE
Metals	NE

MR-9	8/2/18
VOCs	
Chloroform	**8.2**
SVOCs	NE
Metals	
Iron	**857**
Magnesium	**40500**
Manganese	**424**
Selenium	**11.7**
Sodium	**615000**

B-102	7/19/11
VOCs	
Benzene	**3.6**
n-Butylbenzene	**54.2**
tert-butylbenzene	**30.3**
Ethylbenzene	**46.6**
Isopropylbenzene	**129 E**
4-Isopropyltoluene	**10**
Naphthalene	**182 E**
n-Propylbenzene	**311 E**
1,2,4-Trimethylbenzene	**172 E**
1,3,5-Trimethylbenzene	**51.3**
m+p-Xylene	**10.5**
SVOCs	
Naphthalene	**52.6**
Metals	NE

RX-2	9/27/18
VOCs	
Benzene	**54 T**
Ethylbenzene	**28**
Isopropylbenzene	**280**
m+p-Xylene	**7.1**
Toluene	**5.5**
SVOCs	
Naphthalene	**90**
Metals	
Iron	**19400**
Lead	**209**
Magnesium	**46900**
Manganese	**726**
Sodium	**335000**



MR-12	8/2/18
VOCs	
Benzene	**20**
Ethylbenzene	**6**
m+p-Xylene	**36**
o-Xylene	**29**
Styrene	**14**
Toluene	**23**
SVOCs	
Acenaphthene	**21 J**
Naphthalene	**570**
Metals	
Iron	**12600**
Magnesium	**42800**
Manganese	**634**
Sodium	**124000**

B-103	7/19/11
VOCs	
Benzene	**10.7**
n-Butylbenzene	**56.1**
sec-Butylbenzene	**24.2**
Ethylbenzene	**12.3**
Isopropylbenzene	**128**
Naphthalene	**133**
n-Propylbenzene	**383**
SVOCs	
Naphthalene	**52.6**
Metals	NE

B-101	7/19/11
VOCs	NE
SVOCs	NE
Metals	NE

MR-14	8/2/18
VOCs	
Chloroform	**7.3**
SVOCs	NE
Metals	
Iron	**1250**
Magnesium	**127000**
Manganese	**374**
Sodium	**901000**

RX-6	9/28/18
VOCs	ND
SVOCs	NE
Metals	
Iron	**3570**
Magnesium	**137000**
Manganese	**645**
Sodium	**1380000**

B-105	7/19/11
VOCs	NE
SVOCs	NT
Metals	NE

LEGEND

- MR-12 — SOIL BORING AND TEMPORARY MONITORING WELL LOCATION AND DESIGNATION
- RX-7 — SOIL BORING LOCATION AND DESIGNATION
- B-101 — SOIL BORING AND TEMPORARY MONITORING WELL LOCATION AND DESIGNATION (INSTALLED BY STANTEC, 2011)
- V-4 — SOIL VAPOR SAMPLING LOCATION AND DESIGNATION
- CATCH BASIN
- SITE
- GROCERY STORE FOOTPRINT
- GROCERY STORE BASEMENT
- ELEVATOR

TYPICAL DATA BOX INFORMATION

SAMPLE ID#	RX-6	9/28/18 (SAMPLE DATE)
ANALYTES	**VOCs**	ND
	SVOCs	NE
	Metals	
	Iron	**3570**
	Magnesium	**137000**
	Manganese	**645**
	Sodium	**1380000**

(CONCENTRATION (µg/L))

Parameter	NYSDEC AWQSGVs (µg/L)
VOCs	
Benzene	1
Chloroform	7
Ethylbenzene	5
Isopropylbenzene	5
m+p-Xylene	5
o-Xylene	5
Styrene	5
Toluene	5
SVOCs	
Acenaphthene	20
Benzo[a]anthracene	0.002
Benzo[a]pyrene	0
Benzo[b]fluoranthene	0.002
Benzo[k]fluoranthene	0.002
Chrysene	0.002
Indeno[1,2,3-cd]pyrene	0.002
Naphthalene	10
Phenol	1
Metals	
Antimony	3
Iron	300
Lead	25
Magnesium	35000
Manganese	300
Selenium	10
Sodium	20000

Concentrations in µg/L

µg/L – Micrograms per liter
NYSDEC – New York State Department of Environmental Conservation
AWQSGVs – Ambient Water–Quality Standards and Guidance Values
T – Indicates that a quality control parameter has exceeded laboratory limits
J – Estimated value
DUP – Duplicate Sample
VOCs – Volatile Organic Compounds
SVOCs – Semivolatile Organic Compounds
NE – No exceedances
ND – No detection

N

50' 0 50'

Title:

SUMMARY OF EXCEEDANCES IN GROUNDWATER

410 WEST 207TH STREET
NEW YORK, NEW YORK

Prepared for:

TACONIC INVESTMENT PARTNERS, LLC

ROUX

Compiled by: V.S.	Date: 17MAY19	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	5
Project Mgr: V.S.	Project: 2477.0008Y000	
File: 2477.0008Y104.02.DWG		

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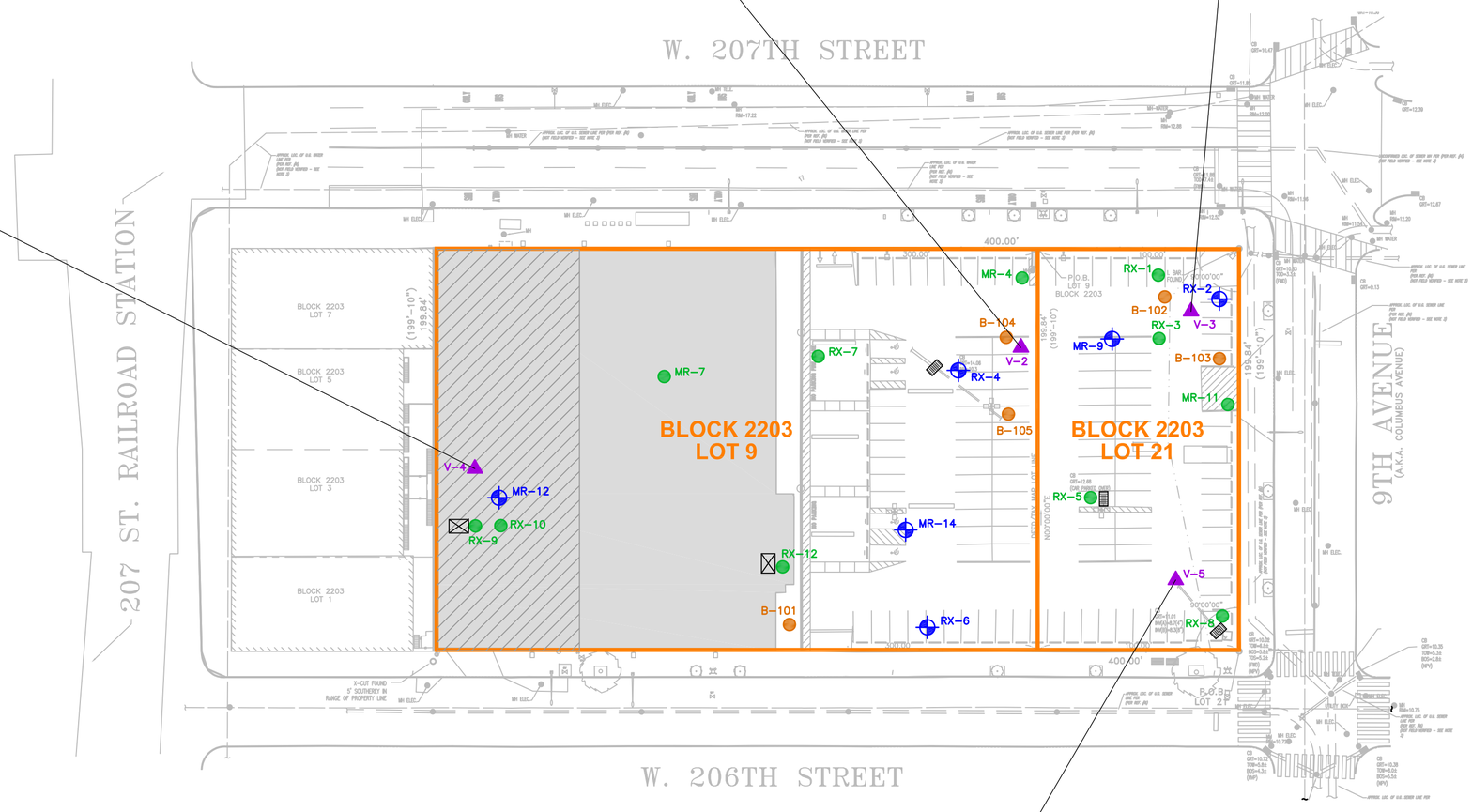
V-2	8/2/18
VOCs	
2-Butanone (MEK)	21 J
Benzene	23
Butane	130
Carbon disulfide	18 J
Chloroform	30
Cyclohexane	29
Ethylbenzene	10 J
Isooctane	2600
Isopropylbenzene	15 J
m+p-Xylene	22 J
N-HEPTANE	100
n-Hexane	87
n-Propylbenzene	14 J
o-Xylene	8.7 J
Tetrachloroethene	47
Toluene	1600
Xylenes (total)	30 J

V-3	8/2/18
VOCs	
Benzene	5400 J
Butane	24000
Cyclohexane	11000
Isooctane	1100000
Isopropylbenzene	5300 J
N-HEPTANE	24000
n-Hexane	20000
n-Propylbenzene	4500 J

V-4	8/2/18
VOCs	
1,2,4-Trimethylbenzene	4.5
1,3-Butadiene	0.71 J
2-Butanone (MEK)	4.7
Acetone	46
Benzene	7
Bromodichloromethane	93
Butane	90
Carbon disulfide	42
Carbon tetrachloride	0.84
Chlorobenzene	1.4 J
Chlorodifluoromethane	24
Chloroform	320
Chloromethane	2.0 J
Cyclohexane	5.7
Dibromochloromethane	8.2
Ethylbenzene	180
Isooctane	460
Isopropylbenzene	6.8
m+p-Xylene	410
Methyl Methacrylate	44
Methylene chloride	2.6 J
n-Hexane	12
o-Xylene	380
p-Isopropyltoluene	15
Styrene	13
Tetrachloroethene	0.75 J
Toluene	14
Trichloroethene	1.2
Trichlorofluoromethane	21
Xylenes (total)	790



V-5	8/2/18
VOCs	
1,1,1-Trichloroethane	6.0 J
1,3-Butadiene	13
2-Butanone (MEK)	11 J
Benzene	8.6 J
Butane	170
Carbon disulfide	21 J
Chloroform	27
Cyclohexane	14
Isooctane	39
m+p-Xylene	4.9 J
N-HEPTANE	160
n-Hexane	84
Tetrachloroethene	26
Toluene	1300

LEGEND

- MR-12 — SOIL BORING AND TEMPORARY MONITORING WELL LOCATION AND DESIGNATION
- RX-7 — SOIL BORING LOCATION AND DESIGNATION
- B-101 — SOIL BORING AND TEMPORARY MONITORING WELL LOCATION AND DESIGNATION (INSTALLED BY STANTEC, 2011)
- V-4 — SOIL VAPOR SAMPLING LOCATION AND DESIGNATION
- CATCH BASIN
- SITE
- GROCERY STORE FOOTPRINT
- GROCERY STORE BASEMENT
- ELEVATOR

TYPICAL DATA BOX INFORMATION

SAMPLE ID# → | V-3 | 8/2/18 | ← SAMPLE DATE

ANALYTES → | VOCs | | ← CONCENTRATION (µg/m³)

Benzene	5400 J
Butane	24000
Cyclohexane	11000
Isooctane	1100000
Isopropylbenzene	5300 J
N-HEPTANE	24000
n-Hexane	20000
n-Propylbenzene	4500 J

Concentrations in µg/m³
µg/m³ – Micrograms per cubic meter
VOCs – Volatile Organic Compounds
J – Estimated value

N

50' 0 50'

Title:

SUMMARY OF DETECTIONS IN SOIL VAPOR

410 WEST 207TH STREET
NEW YORK, NEW YORK

Prepared for:

TACONIC INVESTMENT PARTNERS, LLC

ROUX

Compiled by: V.S.	Date: 17MAY19
Prepared by: B.H.C.	Scale: AS SHOWN
Project Mgr: V.S.	Project: 2477.0008Y000
File: 2477.0008Y104.02.DWG	

FIGURE 6

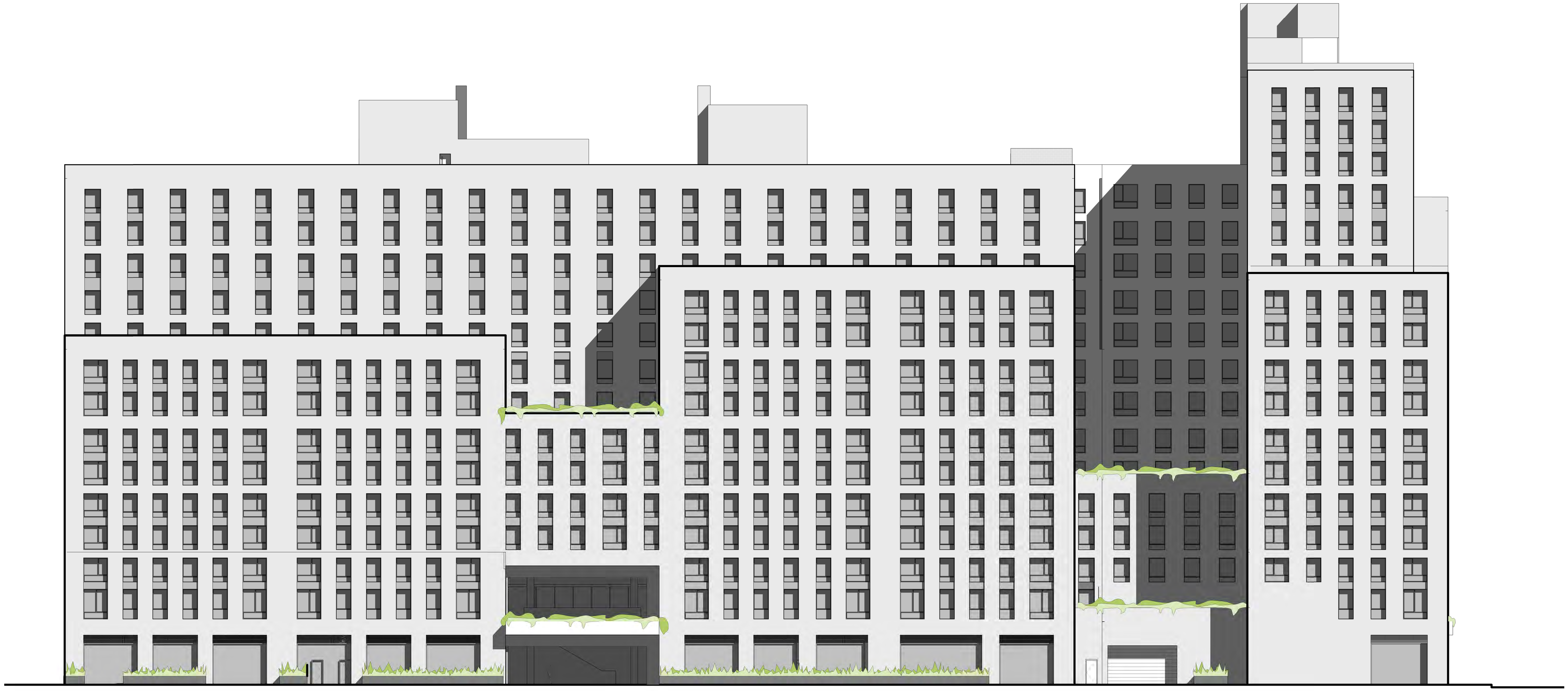
V:\CAD\PROJECTS\2477\Y\0008Y\104\2477.0008Y104.02.DWG

APPENDICES

A. Development Plans
B. Previous Environmental Reports
C. Soil Boring and Well Construction Logs
D. Laboratory Data Deliverables

APPENDIX A

Development Plans



INWOOD 207TH STREET

410 & 430 West 207th Street, New York, NY 10034

Sheet Number	Sheet Name	100% SD (04.12.2019)
T-001	Cover Sheet	■
A-001	Site Plan	■
A-010	Overall Plan - Cellar	■
A-011	Overall Plan - 1st Floor	■
A-012	Overall Plan - 2nd Floor	■
A-013	Overall Plan - 3rd Floor	■
A-014	Overall Plan - 4th Floor	■
A-015	Overall Plan - 8th - 9th Floor	■
A-016	Overall Plan - 10th-11th Floor	■
A-017	Overall Plan - 12th-13th Floor	■
A-018	Overall Plan - 14th Floor	■
A-110	Building 1 - Cellar Plan	■
A-111	Building 1 - 1st Floor Plan	■
A-112	Building 1 - 2nd Floor Plan	■
A-113	Building 1 - 3rd Floor Plan	■
A-114	Building 1 - 4th-7th Floor Plan	■
A-115	Building 1 - 8th thru 9th Floor Plan	■
A-116	Building 1 - 10th thru 11th Floor Plan	■
A-117	Building 1 - 12th thru 14th Floor Plan	■
A-118	Building 1 - Roof Plan	■
A-119	Building 1 - Bulkhead Plan	■
A-120	Typical Unit Plans	■
A-160	Building 2 - Cellar& 1st Floor Plan	■
A-161	Building 2 - 2nd & 3rd Floor Plan	■
A-162	Building 2 - 4th-5th & 6th-9th Floor Plan	■
A-163	Building 2 - 10th-11th & 12th-13th Floor Plan	■
A-164	Building 2 - 14th & 15th-17th Floor Plan	■
A-165	Building 2 - Roof & Bulkhead Floor Plan	■
A-200	Site Elevation - North	■
A-201	Site Elevation - East	■
A-202	Site Elevation - West	■
A-203	Site Elevation - South	■
A-204	Site Elevation - Courtyard South	■
A-205	Site Elevation - Courtyard North	■

Sheet Number	Sheet Name	100% SD (04.12.2019)
A-206	Site Elevation - Courtyard East	■
A-217	Window Spandrel Detail	■
A-250	Site Section - Longitudinal	■
A-251	Site Section - Latitudinal	■
A-252	Site Section - Latitudinal	■
A-253	Site Section - Latitudinal	■
A-260	Portal Details	■
A-715	Finish Schedule	■
F0-100	CELLAR FLOOR-OVERALL FRAMING PLAN	■
FO-101	CELLAR FLOOR-BUILDING 2 FRAMING PLAN	■
FO-102	CELLAR FLOOR-BUILDING 1 FRAMING PLAN	■
FO-103	NORTH SOUTH-WEST SECTION THROUGH BUILDING Rev. 4/17/19	■
FO-104	EAST-WEST SECTION THROUGH BUILDING Rev. 4/17/19	■
FO-111	FOUNDATION SECTIONS AND DETAILS	■
FO-112	FOUNDATION SECTIONS AND DETAILS	■
S-101	GROUND FLOOR-OVERALL FRAMING PLAN	■
S-102	2ND FLOOR-OVERALL FRAMING PLAN	■
S-103	3RD FLOOR-OVERALL FRAMING PLAN	■
S-104	4TH FLOOR-OVERALL FRAMING PLAN	■
S-105	5TH FLOOR-OVERALL FRAMING PLAN	■
S-108	8TH FLOOR-OVERALL FRAMING PLAN	■
S-109	9TH FLOOR-OVERALL FRAMING PLAN	■
S-110	10th FLOOR-OVERALL FRAMING PLAN	■
S-111	11th FLOOR-OVERALL FRAMING PLAN	■
S-112	12th FLOOR-OVERALL FRAMING PLAN	■
S-113	13th FLOOR-OVERALL FRAMING PLAN	■
S-114	14th FLOOR-OVERALL FRAMING PLAN	■
S-115	15th FLOOR-OVERALL FRAMING PLAN	■
S-118	18th FLOOR-OVERALL FRAMING PLAN	■
S-201	GROUND FLOOR-BUILDING 1 FRAMING PLAN	■
S-202	2ND FLOOR-BUILDING 1 FRAMING PLAN Rev. 4/17/19	■
S-203	3RD FLOOR-BUILDING 1 FRAMING PLAN Rev. 4/17/19	■
S-204	4TH FLOOR-BUILDING 1 FRAMING PLAN Rev. 4/17/19	■
S-205	5TH FLOOR-BUILDING 1 FRAMING PLAN	■

Sheet Number	Sheet Name	100% SD (04.12.2019)
S-208	8TH FLOOR-BUILDING 1 FRAMING PLAN	■
S-209	9TH FLOOR-BUILDING 1 FRAMING PLAN	■
S-210	10th FLOOR-BUILDING 1 FRAMING PLAN	■
S-211	11th FLOOR-BUILDING 1 FRAMING PLAN	■
S-212	12th FLOOR-BUILDING 1 FRAMING PLAN	■
S-213	13th FLOOR-BUILDING 1 FRAMING PLAN	■
S-214	14th FLOOR-BUILDING 1 FRAMING PLAN	■
S-215	MAIN ROOF FRAMING PLAN - BUILDING 1	■
S-301	GROUND FLOOR-BUILDING 2 FRAMING PLAN	■
S-302	2ND FLOOR-BUILDING 2 FRAMING PLAN	■
S-303	3RD FLOOR-BUILDING 2 FRAMING PLAN	■
S-303M	MEZZANINE FRAMING PLAN - BUILDING 2	■
S-304	4TH FLOOR-BUILDING 2 FRAMING PLAN Rev. 4/17/19	■
S-305	5TH FLOOR-BUILDING 2 FRAMING PLAN	■
S-308	8TH FLOOR-BUILDING 2 FRAMING PLAN	■
S-309	9TH FLOOR-BUILDING 2 FRAMING PLAN	■
S-310	10th FLOOR-BUILDING 2 FRAMING PLAN	■
S-311	11th FLOOR-BUILDING 2 FRAMING PLAN	■
S-312	12th FLOOR-BUILDING 2 FRAMING PLAN	■
S-313	13th FLOOR-BUILDING 2 FRAMING PLAN	■
S-314	14th FLOOR-BUILDING 2 FRAMING PLAN	■
S-315	15th FLOOR-BUILDING 2 FRAMING PLAN	■
S-317	17TH FLOOR FRAMING PLAN - BUILDING 2	■
S-318	18th FLOOR-BUILDING 2 FRAMING PLAN	■
S-401	TYPICAL PLANK DETAILS	■
S-501	TYPICAL STEEL DETAILS	■
S-502	TYPICAL STEEL DETAILS	■
S-601	TYPICAL MASONRY DETAILS	■
M-001	MECHANICAL- LEAD SHEET	■
M-001(2)	MECHANICAL - LEAD SHEET	■
M-002	MECHANICAL - SCHEDULES	■
M-002(2)	MECHANICAL - SCHEDULES	■
M-100	MECHANICAL - CELLAR PLAN	■
M-101	MECHANICAL - LEVEL 1 FLOOR PLAN	■

Sheet Number	Sheet Name	100% SD (04.12.2019)
M-102	MECHANICAL - LEVEL 2 FLOOR PLAN	■
M-103	MECHANICAL - LEVEL 3 FLOOR PLAN	■
M-104	MECHANICAL - LEVEL 4 THRU 7 FLOOR PLAN	■
M-105	MECHANICAL - LEVEL 8 AND 9 FLOOR PLAN	■
M-106	MECHANICAL - LEVEL 10 AND 11 FLOOR PLAN	■
M-107	MECHANICAL - LEVEL 12 THRU 14 FLOOR PLAN	■
M-108	MECHANICAL - ROOF AND BULKHEAD PLAN	■
M-110	MECHANICAL - CELLAR AND 1ST FLOOR PLAN	■
M-111	MECHANICAL - 2ND AND 3RD FLOOR PLAN	■
M-112	MECHANICAL - 4TH THRU 5TH AND 6TH THRU 9TH FLOOR PLAN	■
M-113	MECHANICAL - 10TH THRU 11TH AND 12TH THRU 13TH FLOOR PLAN	■
M-114	MECHANICAL - 14TH AND 15TH THRU 17TH FLOOR PLAN	■
M-115	MECHANICAL - ROOF AND BULKHEAD PLAN	■
M-300	MECHANICAL - VENTILATION RISER DIAGRAM (LOT 9)	■
M-300(2)	MECHANICAL - VENTILATION RISER DIAGRAM (LOT 21)	■
M-301	MECHANICAL - WATER RISER DIAGRAM (LOT 9)	■
M-301(2)	MECHANICAL WATER RISER DIAGRAM (LOT 21)	■
M-500	MECHANICAL - DETAILS (LOT 9)	■
M-500(2)	MECHANICAL - DETAILS (LOT 21)	■
P-001	PLUMBING - LEAD SHEET (LOT 9)	■
P-001(2)	PLUMBING - LEAD SHEET (LOT 21)	■
P-002	PLUMBING SCHEDULES (LOT 9)	■
P-002(2)	PLUMBING - SCHEDULES (LOT 21)	■
P-100	PLUMBING - CELLAR PLAN	■
P-101	PLUMBING - LEVEL 1 FLOOR PLAN	■
P-102	PLUMBING - LEVEL 2 FLOOR PLAN	■
P-103	PLUMBING - LEVEL 3 FLOOR PLAN	■
P-104	PLUMBING - LEVEL 4 THRU 7 FLOOR PLAN	■
P-105	PLUMBING - LEVEL 8 AND 9 FLOOR PLAN	■
P-106	PLUMBING - LEVEL 10 AND 11 FLOOR PLAN	■
P-107	PLUMBING - LEVEL 12 THRU 14 FLOOR PLAN	■
P-108	PLUMBING - ROOF AND BULKHEAD PLAN	■

Sheet Number	Sheet Name	100% SD (04.12.2019)
P-110	PLUMBING - UNDERGROUND, CELLAR AND 1ST FLOOR PLAN	■
P-111	PLUMBING - 2ND AND 3RD FLOOR PLAN	■
P-112	PLUMBING - 4TH THRU 5TH AND 6TH THRU 9TH FLOOR PLAN	■
P-113	PLUMBING - 10TH THRU 11TH AND 12TH THRU 13TH FLOOR PLAN	■
P-114	PLUMBING - 14TH AND 15TH THRU 17TH FLOOR PLAN	■
P-115	PLUMBING - ROOF AND BULKHEAD PLAN	■
P-300	PLUMBING - DOMESTIC WATER RISER DIAGRAM (LOT 9)	■
P-300(2)	PLUMBING - DOMESTIC WATER RISER DIAGRAM (LOT 21)	■
P-301	PLUMBING - GAS RISER DIAGRAM (LOT 9)	■
P-301(2)	PLUMBING - GAS RISER DIAGRAM (LOT 21)	■
P-500	PLUMBING - DETAILS (LOT 9)	■
P-500(2)	PLUMBING - DETAILS (LOT 21)	■
P-501	PLUMBING - DETAILS II (LOT 9)	■
SP-001	SPRINKLER - LEAD SHEET (LOT 9)	■
SP-001(2)	SPRINKLER - LEAD SHEET (LOT 21)	■
SP-100	SPRINKLER - CELLAR PLAN	■
SP-101	SPRINKLER - LEVEL 1 FLOOR PLAN	■
SP-102	SPRINKLER - LEVEL 2 FLOOR PLAN	■
SP-103	SPRINKLER - LEVEL 3 FLOOR PLAN	■
SP-104	SPRINKLER - LEVEL 4 THRU 7 FLOOR PLAN	■
SP-105	SPRINKLER - LEVEL 8 AND 9 FLOOR PLAN	■
SP-106	SPRINKLER - LEVEL 10 AND 11 FLOOR PLAN	■
SP-107	SPRINKLER - LEVEL 12 THRU 14 FLOOR PLAN	■
SP-108	SPRINKLER - ROOF AND BULKHEAD PLAN	■
SP-110	SPRINKLER - CELLAR AND 1ST FLOOR PLAN	■
SP-111	SPRINKLER - 2ND AND 3RD FLOOR PLAN	■
SP-112	SPRINKLER - 4TH THRU 5TH AND 6TH THRU 9TH CEILING PLAN	■
SP-113	SPRINKLER - 10TH THRU 11TH AND 12TH THRU 13TH CEILING PLAN	■
SP-114	SPRINKLER - 14TH AND 15TH THRU 17TH CEILING PLAN	■

Sheet Number	Sheet Name	100% SD (04.12.2019)
SP-115	SPRINKLER - ROOF AND BULKHEAD PLAN	■
SP-300	SPRINKLERS AND STANDPIPE RISER DIAGRAM	■
SP-300(2)	SPRINKLERS AND STANDPIPE RISER DIAGRAM	■
SP-500	SPRINKLER - DETAILS (LOT 9)	■
SP-500(2)	SPRINKLER - DETAILS (LOT 21)	■
SP-501	SPRINKLER - DETAILS (LOT 9)	■
SP-501(2)	SPRINKLER - DETAILS (LOT 21)	■
E-001	ELECTRICAL - LEAD SHEET (LOT 9)	■
E-001(2)	ELECTRICAL - LEAD SHEET (LOT 21)	■
E-100	ELECTRICAL - CELLAR PLAN	■
E-104	ELECTRICAL - LEVEL 4 THRU 7 POWER PLAN	■
E-110	ELECTRICAL - CELLAR AND 1ST FLOOR POWER PLAN	■
E-300	ELECTRICAL - RISER DIAGRAM (LOT 9)	■
E-300(2)	ELECTRICAL - RISER DIAGRAM (LOT 21)	■
E-301	ELECTRICAL - TELEPHONE RISER (LOT 9)	■
E-301(2)	ELECTRICAL - TELEPHONE RISER (LOT 21)	■
E-302	ELECTRICAL - INTERCOM RISER (LOT 9)	■
E-302(2)	ELECTRICAL - INTERCOM RISER (LOT 21)	■
E-500	ELECTRICAL - DETAILS	■
E-500(2)	ELECTRICAL - DETAILS	■
FA-001	FIRE ALARM - LEAD SHEET (LOT 9)	■
FA-001(2)	FIRE ALARM - LEAD SHEET (LOT 21)	■
FA-100	FIRE ALARM - CELLAR PLAN	■
FA-101	FIRE ALARM - LEVEL 1 FLOOR PLAN	■
FA-102	FIRE ALARM - LEVEL 2 FLOOR PLAN	■
FA-103	FIRE ALARM - LEVEL 3 FLOOR PLAN	■
FA-104	FIRE ALARM - LEVEL 4 THRU 7 FLOOR PLAN	■
FA-105	FIRE ALARM - LEVEL 8 AND 9 FLOOR PLAN	■
FA-106	FIRE ALARM - LEVEL 10 AND 11 FLOOR PLAN	■
FA-107	FIRE ALARM - LEVEL 12 THRU 14 FLOOR PLAN	■
FA-108	FIRE ALARM - ROOF AND BULKHEAD PLAN	■
FA-110	FIRE ALARM - CELLAR AND 1ST FLOOR PLAN	■

Sheet Number	Sheet Name	100% SD (04.12.2019)
FA-111	FIRE ALARM - 2ND AND 3RD FLOOR PLAN	■
FA-112	FIRE ALARM - 4TH THRU 5TH AND 6TH THRU 9TH FLOOR PLAN	■
FA-113	FIRE ALARM - 10TH THRU 11TH AND 12TH THRU 13TH FLOOR PLAN	■
FA-114	FIRE ALARM - 14TH AND 15TH FLOOR PLAN	■
FA-115	FIRE ALARM - ROOF AND BULKHEAD PLAN	■
FA-500	FIRE ALARM - DETAILS	■
AR-001	ARCS - LEAD SHEET (LOT 9)	■
AR-001(2)	ARCS - LEAD SHEET (LOT 21)	■
AR-100	ARCS - CELLAR PLAN	■
AR-101	ARCS - LEVEL 1 FLOOR PLAN	■
AR-102	ARCS - LEVEL 2 FLOOR PLAN	■
AR-103	ARCS - LEVEL 3 FLOOR PLAN	■
AR-104	ARCS - LEVEL 4 THRU 7 FLOOR PLAN	■
AR-105	ARCS - LEVEL 8 AND 9 FLOOR PLAN	■
AR-106	ARCS - LEVEL 10 AND 11 FLOOR PLAN	■
AR-107	ARCS - LEVEL 12 THRU 14 FLOOR PLAN	■
AR-110	ARCS - CELLAR AND 1ST FLOOR PLAN	■
AR-111	ARCS - 2ND AND 3RD FLOOR PLAN	■
AR-112	ARCS - 4TH THRU 5TH AND 6TH THRU 9TH FLOOR PLAN	■
AR-113	ARCS - 10TH AND 12TH FLOOR PLAN	■
AR-114	ARCS - 14TH AND 15TH FLOOR PLAN	■
AR-115	ARCS - ROOF AND BULKHEAD PLAN	■

Inwood 207th Street

410 West 207th Street
New York, NY 10034

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111 8th Avenue, Suite 1500
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Consultant
Address Line
City, State Zip

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New York, NY 10019

Parking Consultant
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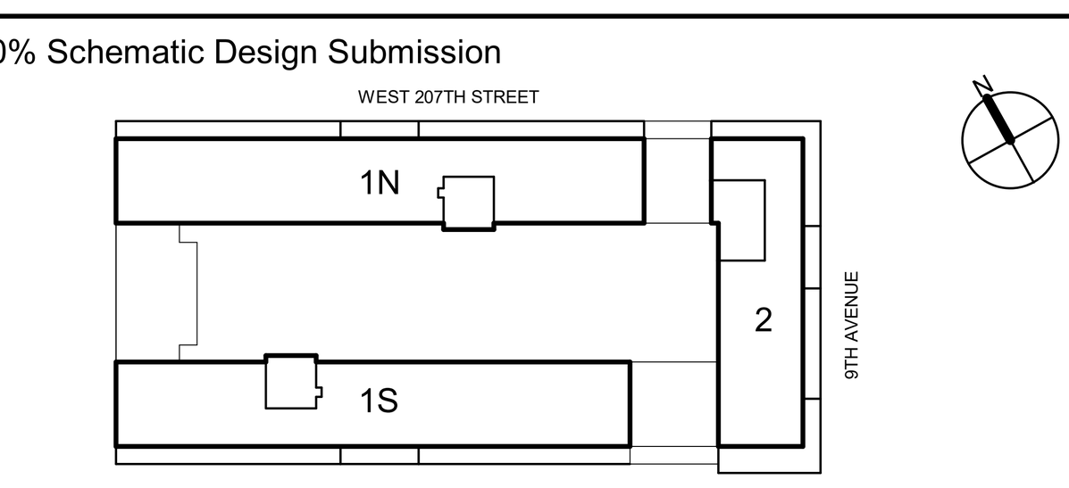
One Penn Plaza, Suite 715
New York, NY 10019

Issue: 100% Schematic Design Submission



Key Plan (NTS)

Revisions

Date	Revision
04/12/19	100% Schematic Design Submission

Sheet Name: Cover Sheet

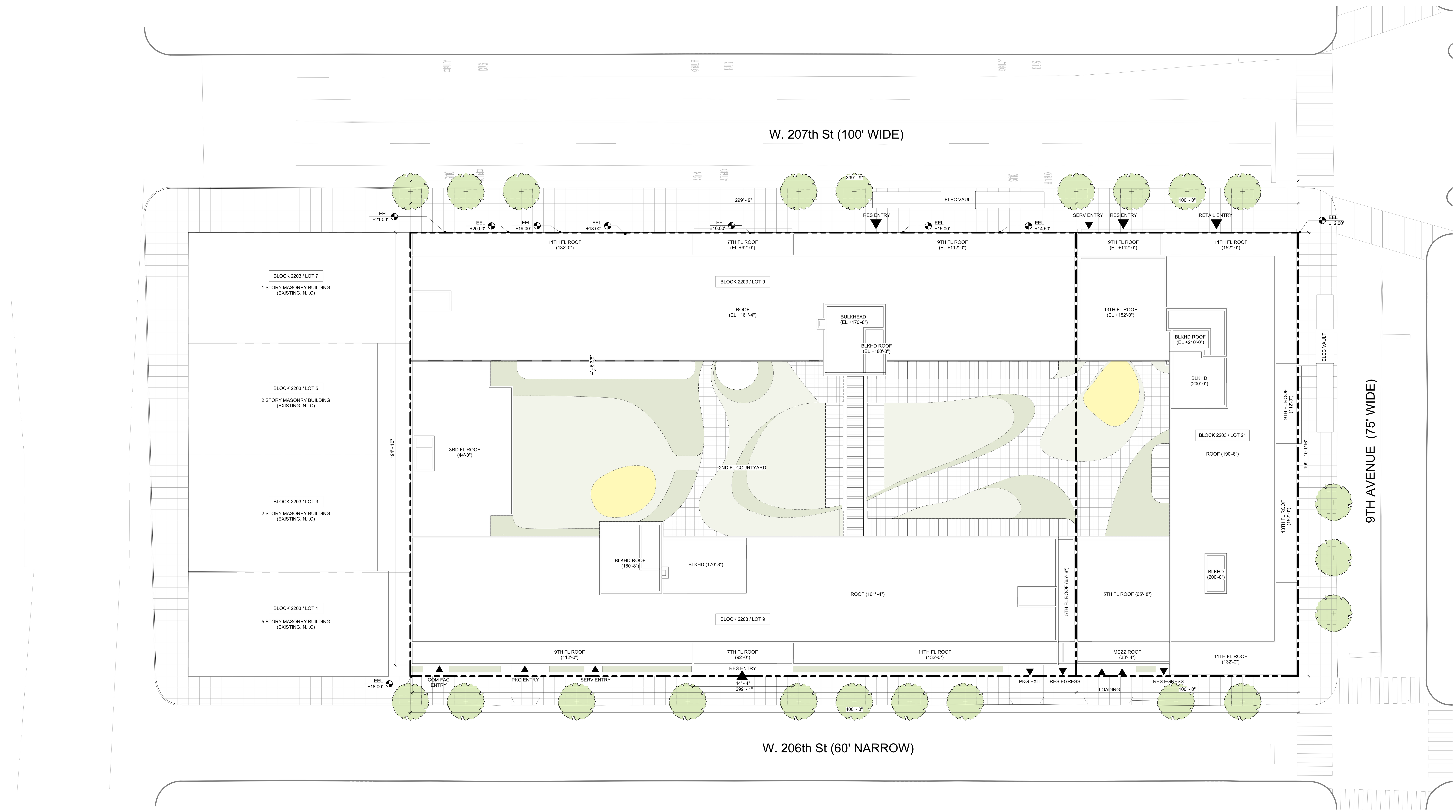
Drawn By	DA	Date	04/12/19
Checked By	DA	Scale	3/32" = 1'-0"

Project No. 1824

Seal

Sheet No.: T-001.00

1 of



1 Site Plan
1/16" = 1'-0"

Inwood 207th Street

410 West 207th Street
New York, NY 10034

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New York, NY 10019

Parking Consultant
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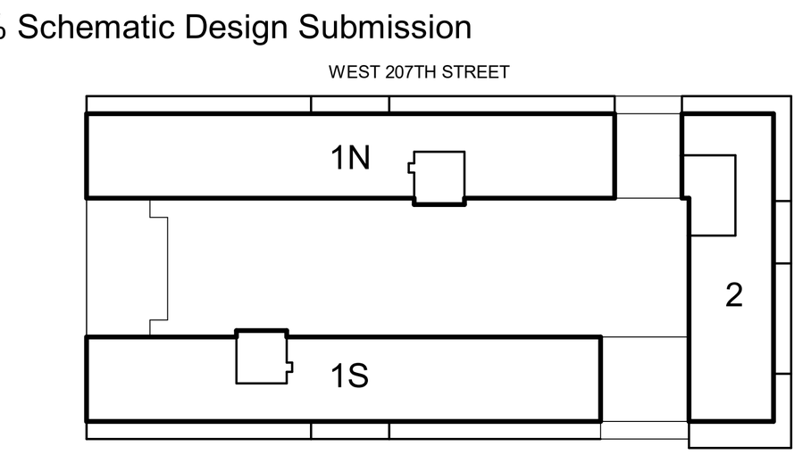
One Penn Plaza, Suite 715
New York, NY 10019

Issue: 100% Schematic Design Submission



Key Plan (NTS)

Date	Revision
04/12/19	100% Schematic Design Submission

Revisions

Sheet Name:	Site Plan		
Drawn By	DA	Date	04/12/19
Project No.	1824		
Checked By	DA	Scale	1/16" = 1'-0"
Sheet No.:	A-001.00		

Seal

Room Legend

- Circulation (Corridors)
- Circulation (Stairs, Elevators)
- Commercial 1
- Parking
- Residential BOH

1 **Cellar Floor Plan**
3/32" = 1'-0"

Inwood 207th Street

410 West 207th Street
New York, NY 10034

Client
410 West 207th Acquisition, LLC
111 8th Avenue, Suite 1500
New York, NY 10011

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New York, NY 10019

Parking Consultant
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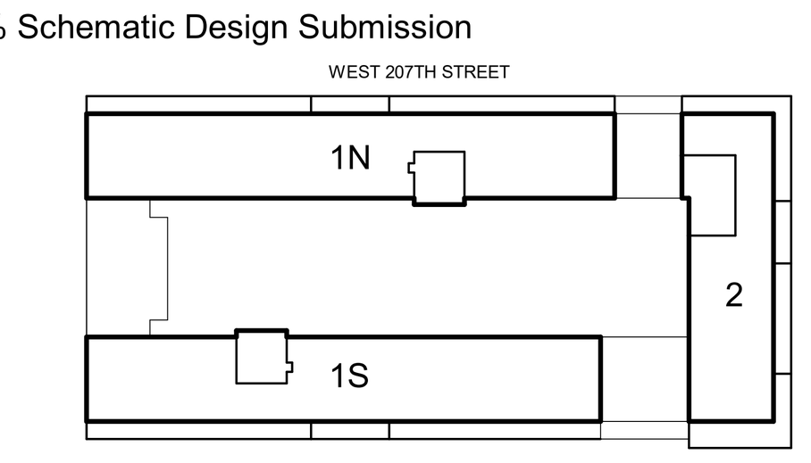
One Penn Plaza, Suite 715
New York, NY 10019

Issue: 100% Schematic Design Submission



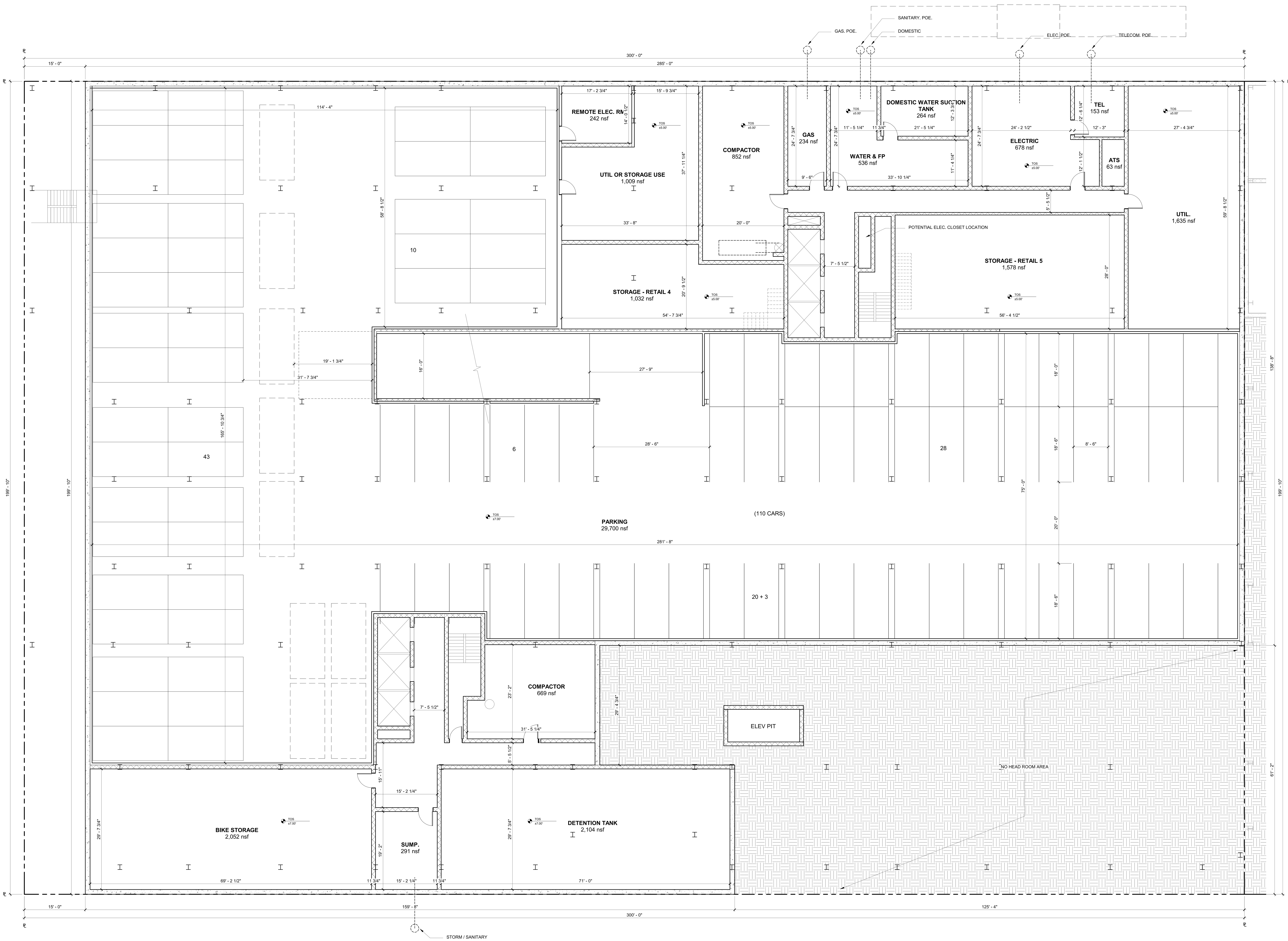
Key Plan (NTS)

Date	Revision
04/12/19	100% Schematic Design Submission

Revisions

Sheet Name:	Overall Plan - Cellar				
Drawn By	DA	Date	04/12/19	Project No.	1824
Checked By	DA	Scale	3/32" = 1'-0"	Sheet No.:	A-010.00

Seal



1 **Cellar**
1/8" = 1'-0"

Inwood 207th Street
410 West 207th Street
New York, NY 10034

Client
410 West 207th Acquisition, LLC
111 8th Avenue, Suite 1500
New York, NY 10011

Dattner Architects
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tel 212 247 2660
www.dattner.com

Structural Engineer
Desimone Consulting Engineers
140 Broadway, 25th Floor
New York, NY 10005

Mechanical/Electrical/Plumbing Engineer
Ettinger Engineering Associates
505 8th Avenue, 24th Floor
New York, NY 10018

Landscape Architect
Consultant
Address Line
City, State Zip

Civil Engineer
Langan Engineering & Environmental Services
21 Penn Plaza, 260 West 31st St, 8th Floor
New York, NY 10001

Environmental Engineer
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One Penn Plaza, Suite 715
New York, NY 10019

Parking Consultant
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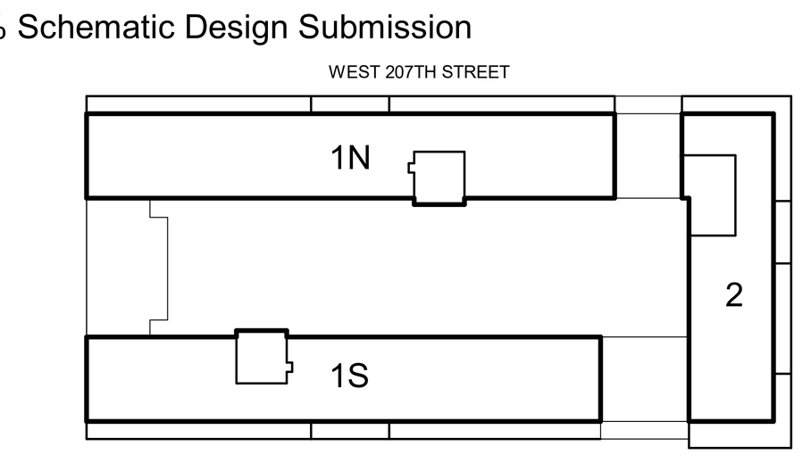
One Penn Plaza, Suite 715
New York, NY 10019

Issue: 100% Schematic Design Submission



Key Plan (NTS)

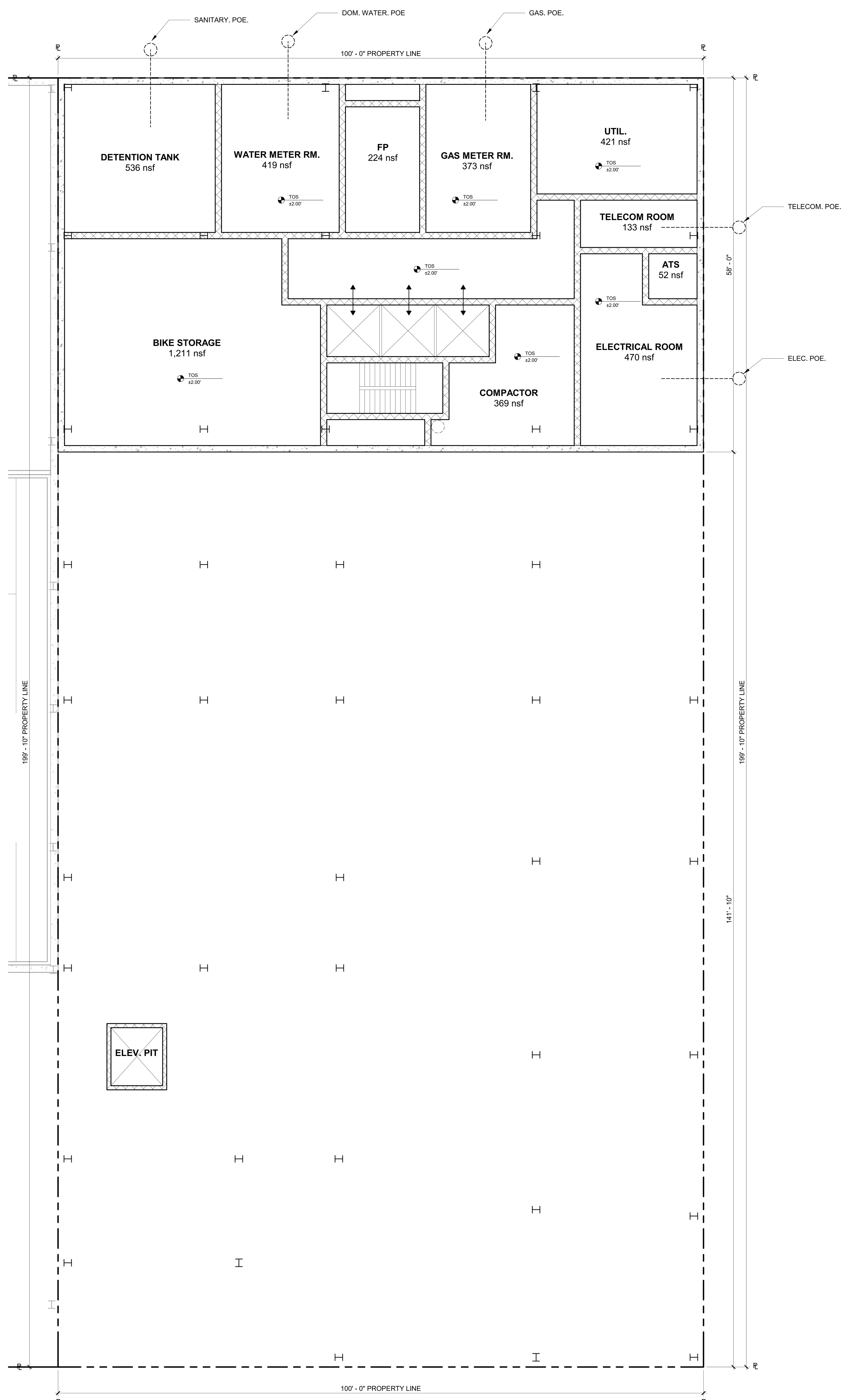
Date	Revision
04/12/19	100% Schematic Design Submission

Revisions

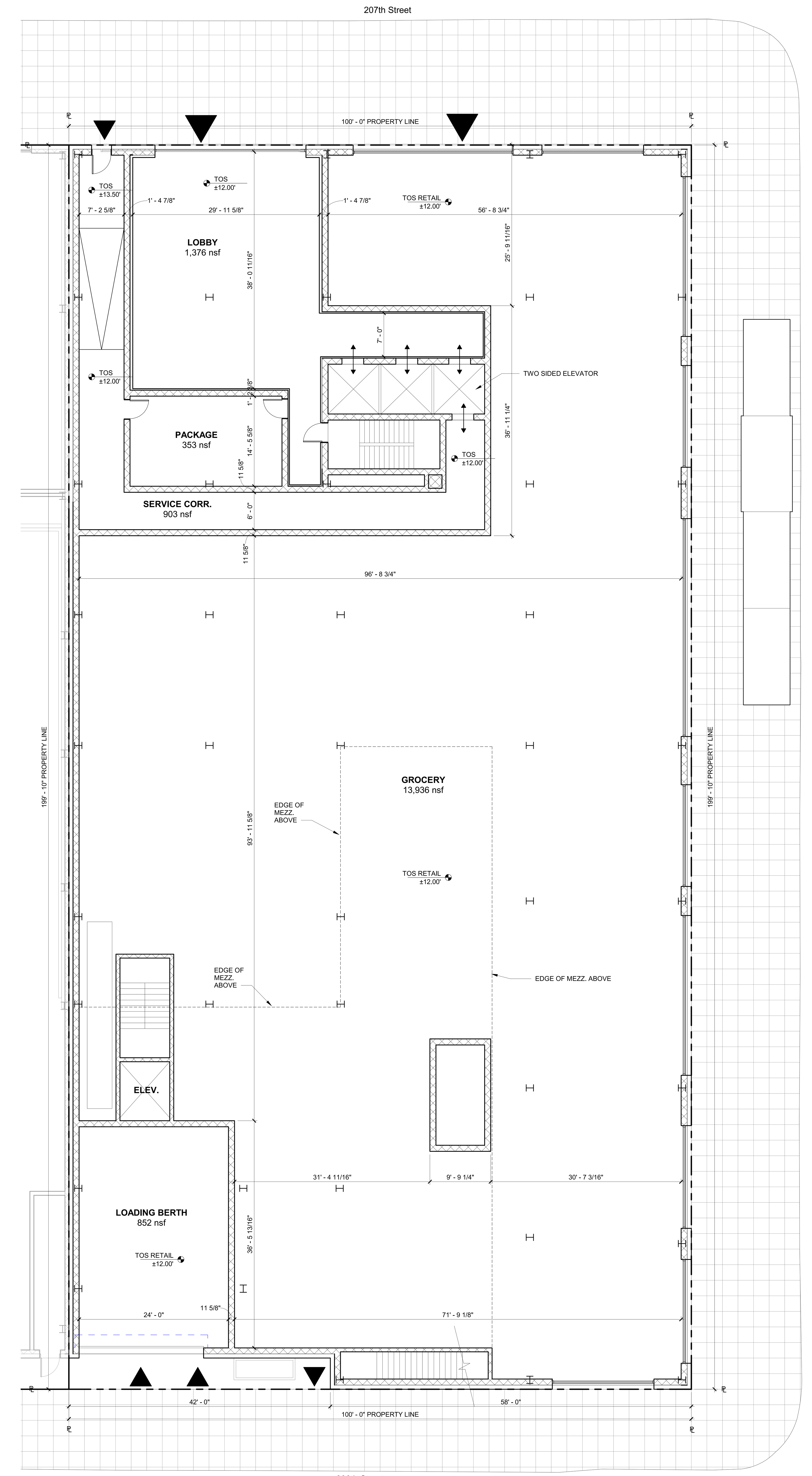
Sheet Name: **Building 1 - Cellar Plan**

Drawn By	DA	Date	04/12/19	Project No.	1824
Checked By	DA	Scale	1/8" = 1'-0"	Sheet No.:	A-110.00

Seal



1 Cellar
1/8" = 1'-0"



2 Level 1
1/8" = 1'-0"

Inwood 207th Street

430 West 207th Street
New York, NY 10034

Building 2

Client
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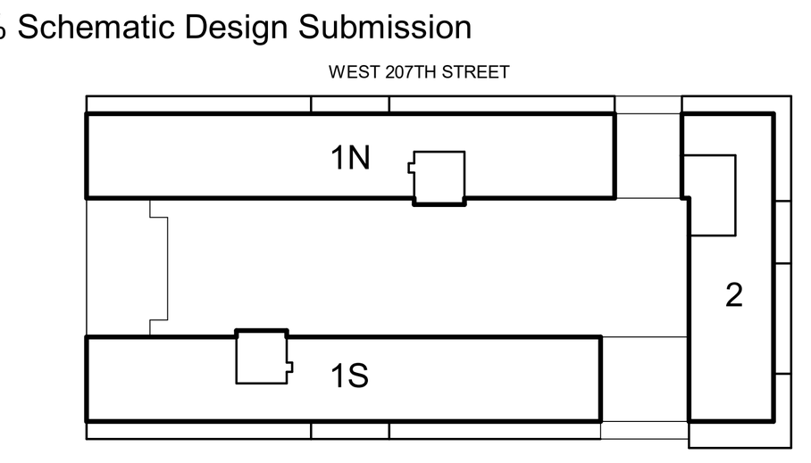
Issue: 100% Schematic Design Submission



Key Plan (NTS)

04/12/19	100% Schematic Design Submission	

Revisions

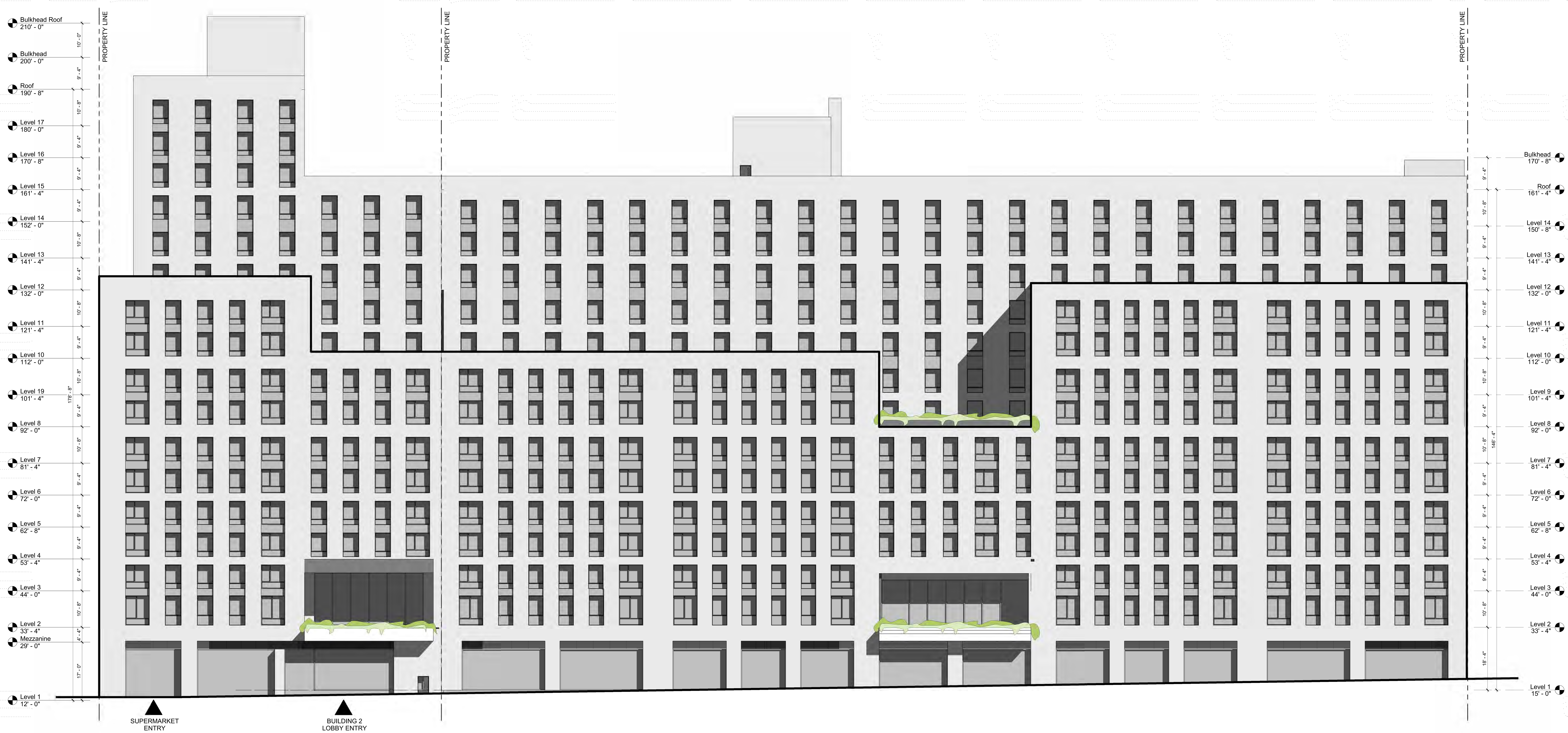
Sheet Name: Building 2 - Cellar& 1st Floor Plan

Drawn By	DA	Date	04/12/19	Project No.	1824
Checked By	DA	Scale	1/8" = 1'-0"	Sheet No.:	A-160.00

Seal

Material Legend

- BRICK
- EIFS
- METAL SPANDREL



1 **Site Elevation - North (W 207th St)**

3/32" = 1'-0"

Inwood 207th Street

410 West 207th Street
New York, NY 10034

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Parking Consultant
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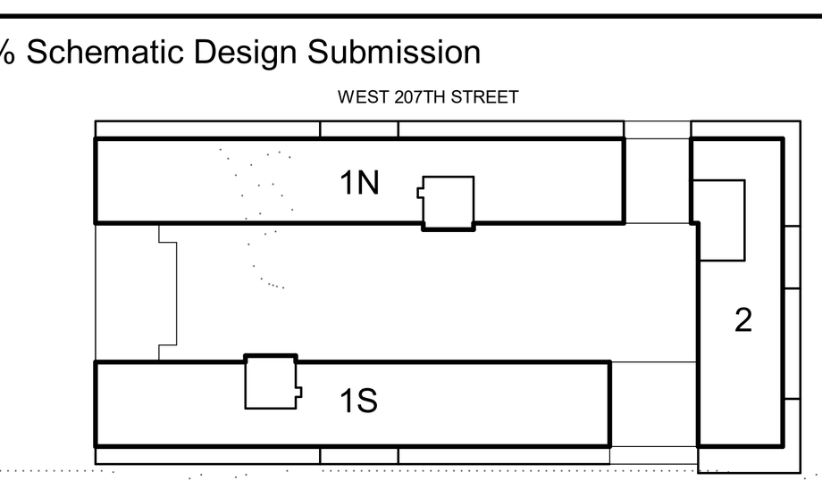
New York, NY 10019

Issue: 100% Schematic Design Submission



Key Plan (NTS)

04/12/19 100% Schematic Design Submission

Revisions

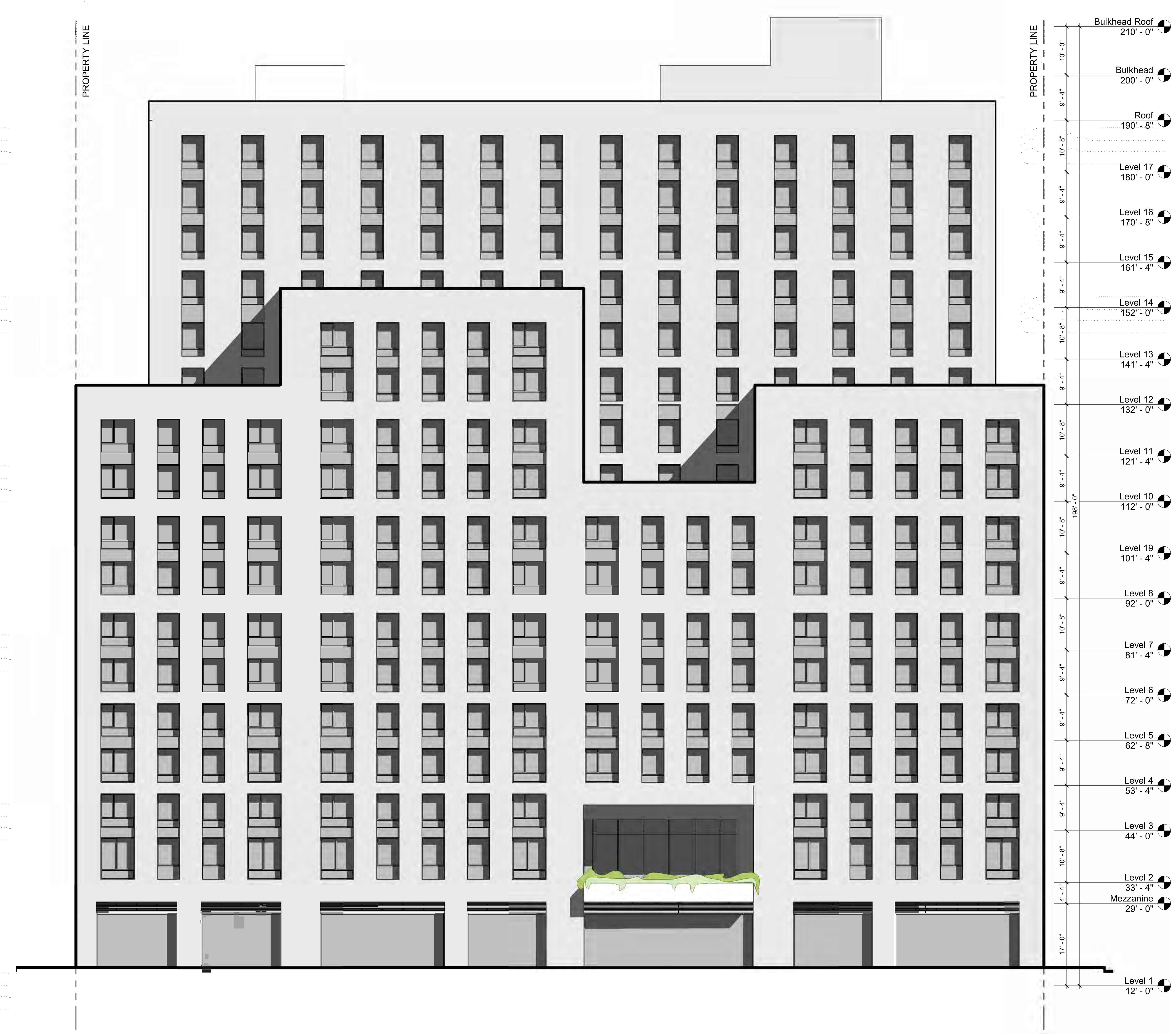
Sheet Name: Site Elevation - North

Drawn By	DA	Date	04/12/19	Project No.	1824
Checked By	DA	Scale	As indicated	Sheet No.:	A-200.00

Seal

Material Legend

- BRICK
- EIFS
- METAL SPANDREL



1 **Site Elevation - East (9th Ave)**
3/32" = 1'-0"

Inwood 207th Street

410 West 207th Street
New York, NY 10034

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Parking Consultant
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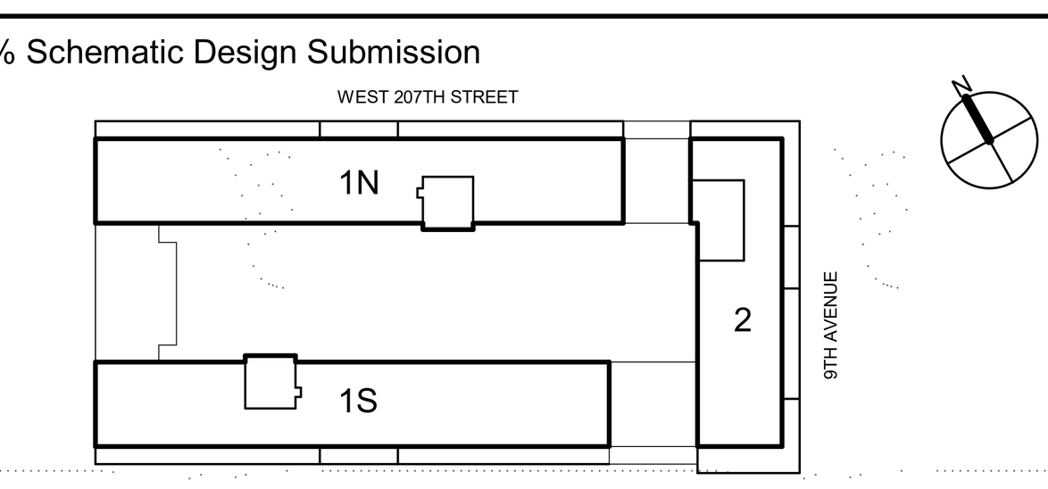
New York, NY 10019

Issue: 100% Schematic Design Submission



Key Plan (NTS)

Date	Revision
04/12/19	100% Schematic Design Submission

Revisions

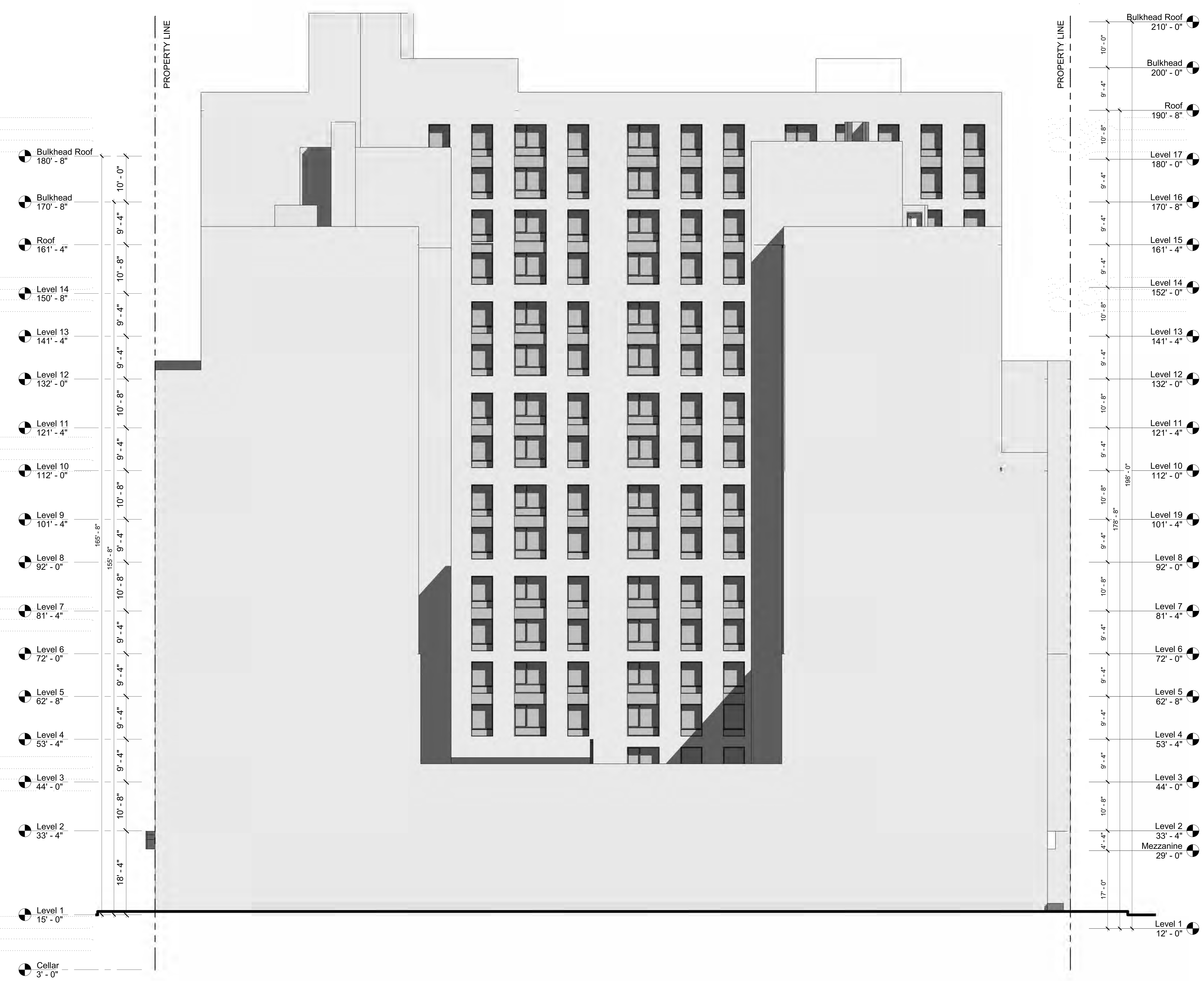
Sheet Name: Site Elevation - East

Drawn By	DA	Date	04/12/19	Project No.	1824
Checked By	DA	Scale	As indicated	Sheet No.:	A-201.00

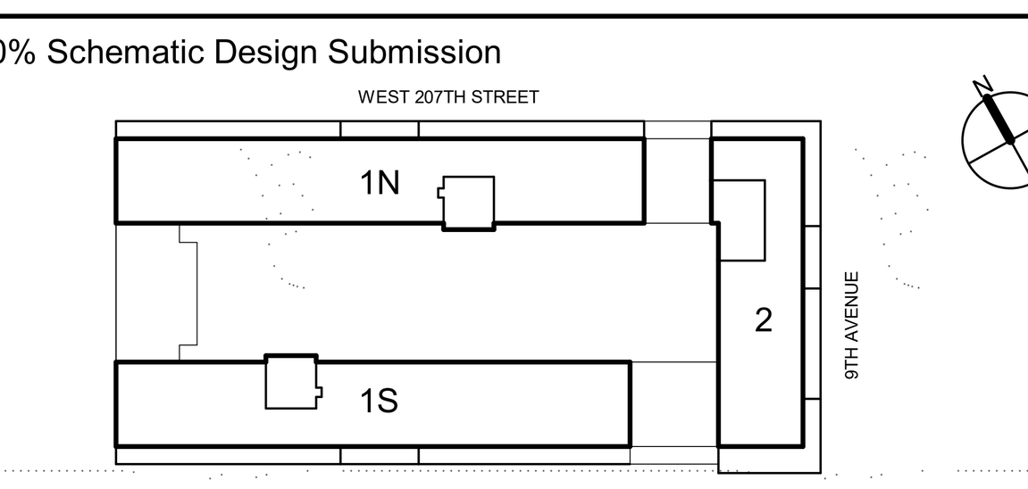
Seal

Material Legend

- BRICK
- EIFS
- METAL SPANDREL



1 Site Elevation - West
3/32" = 1'-0"



Inwood 207th Street 410 West 207th Street New York, NY 10034	Client 410 West 207th Acquisition, LLC 111 8th Avenue, Suite 1500 New York, NY 10011
Dattner Architects 1385 Broadway, 15th Floor New York, NY 10018 tel 212 247 2660 www.dattner.com	
Structural Engineer Desimone Consulting Engineers 140 Broadway, 25th Floor New York, NY 10005	*Civil Engineer* Langan Engineering & Environmental Services 21 Penn Plaza, 260 West 31st St, 8th Floor New York, NY 10001
Mechanical/Electrical/Plumbing Engineer Ettinger Engineering Associates 505 8th Avenue, 24th Floor New York, NY 10018	*Environmental Engineer* Vanasse Hangen Brustlin, Inc. One Penn Plaza, Suite 715 New York, NY 10019
Landscape Architect Consultant Address Line City, State Zip	*Parking Consultant* Vanasse Hangen Brustlin, Inc. One Penn Plaza, Suite 715 New York, NY 10019

Issue: 100% Schematic Design Submission

Key Plan (NTS)

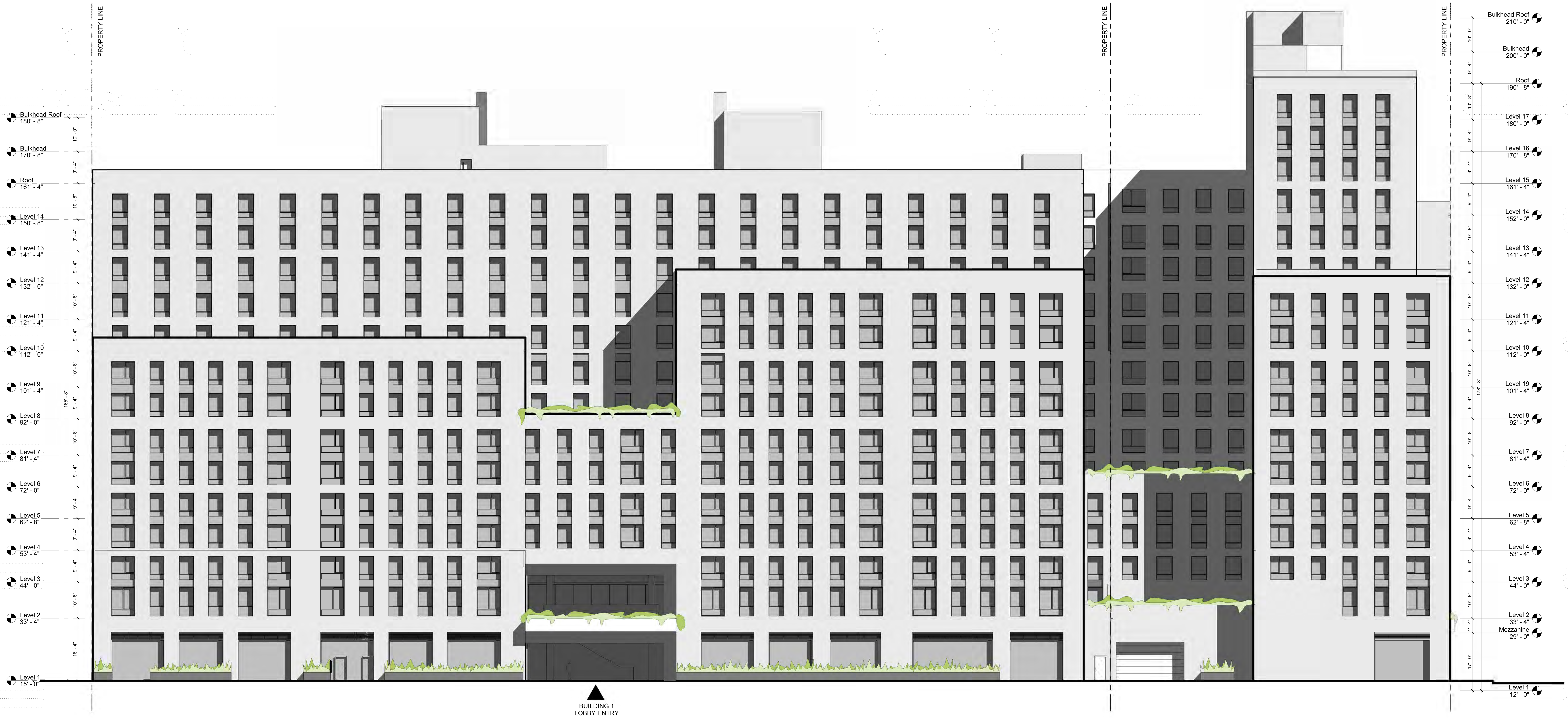
Date	Revisions
04/12/19	100% Schematic Design Submission

Sheet Name:	Site Elevation - West		
Drawn By	DA	Date	04/12/19
Checked By	DA	Scale	As indicated
Project No.	1824	Sheet No.:	A-202.00

Seal

Material Legend

- BRICK
- EIFS
- METAL SPANDREL



1 Site Elevation - South (W 206th St)
3/32" = 1'-0"

Inwood 207th Street
410 West 207th Street
New York, NY 10034

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New York, NY 10019

Issue: 100% Schematic Design Submission

Key Plan (NTS) — WEST 207TH STREET / WEST 206TH STREET / 9TH AVENUE / 1N / 1S / 2

Date	Revision
04/12/19	100% Schematic Design Submission

Revisions

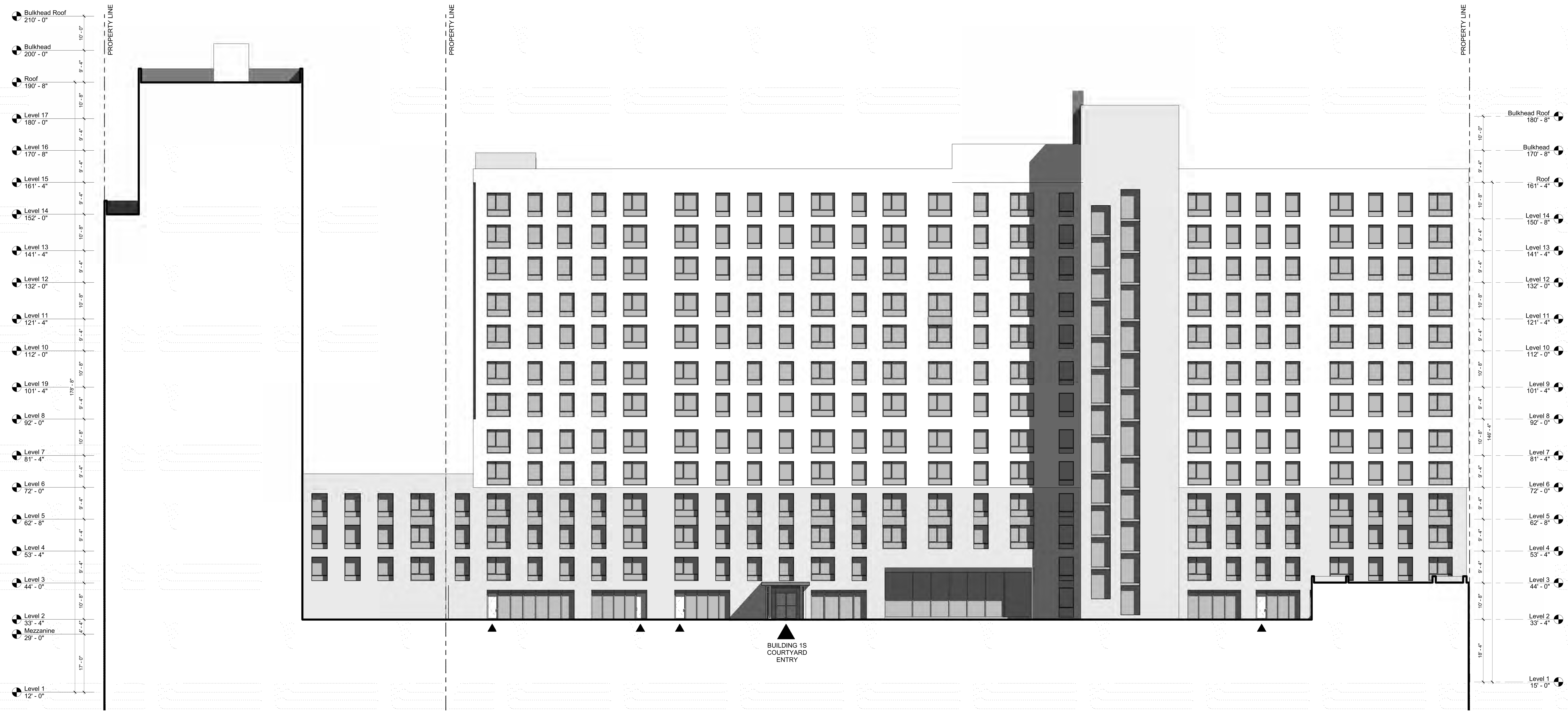
Sheet Name:	Site Elevation - South				
Drawn By	DA	Date	04/12/19	Project No.	1824
Checked By	DA	Scale	As indicated	Sheet No.:	A-203.00

Seal

Plotted - 4/12/2019 4:15:03 PM

Material Legend

- BRICK
- EIFS
- METAL SPANDREL



1 **Site Elevation - Courtyard South**
3/32" = 1'-0"

Inwood 207th Street
410 West 207th Street
New York, NY 10034

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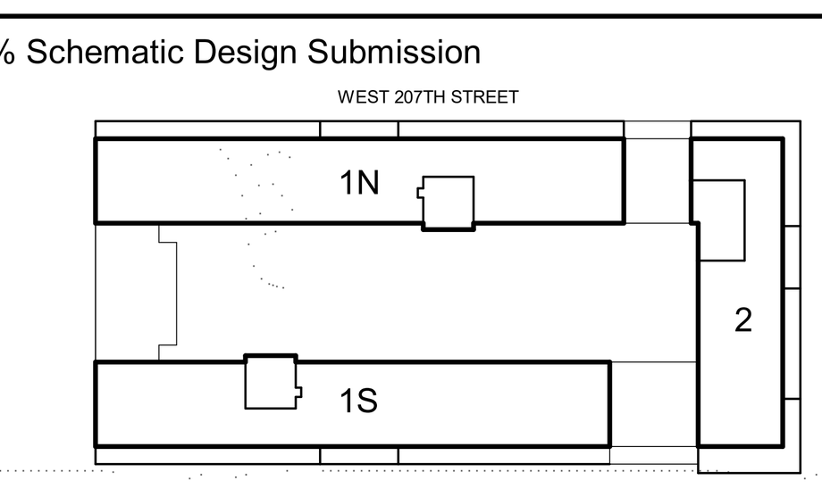
Issue: 100% Schematic Design Submission



Key Plan (NTS)

Date	Revision
04/12/19	100% Schematic Design Submission

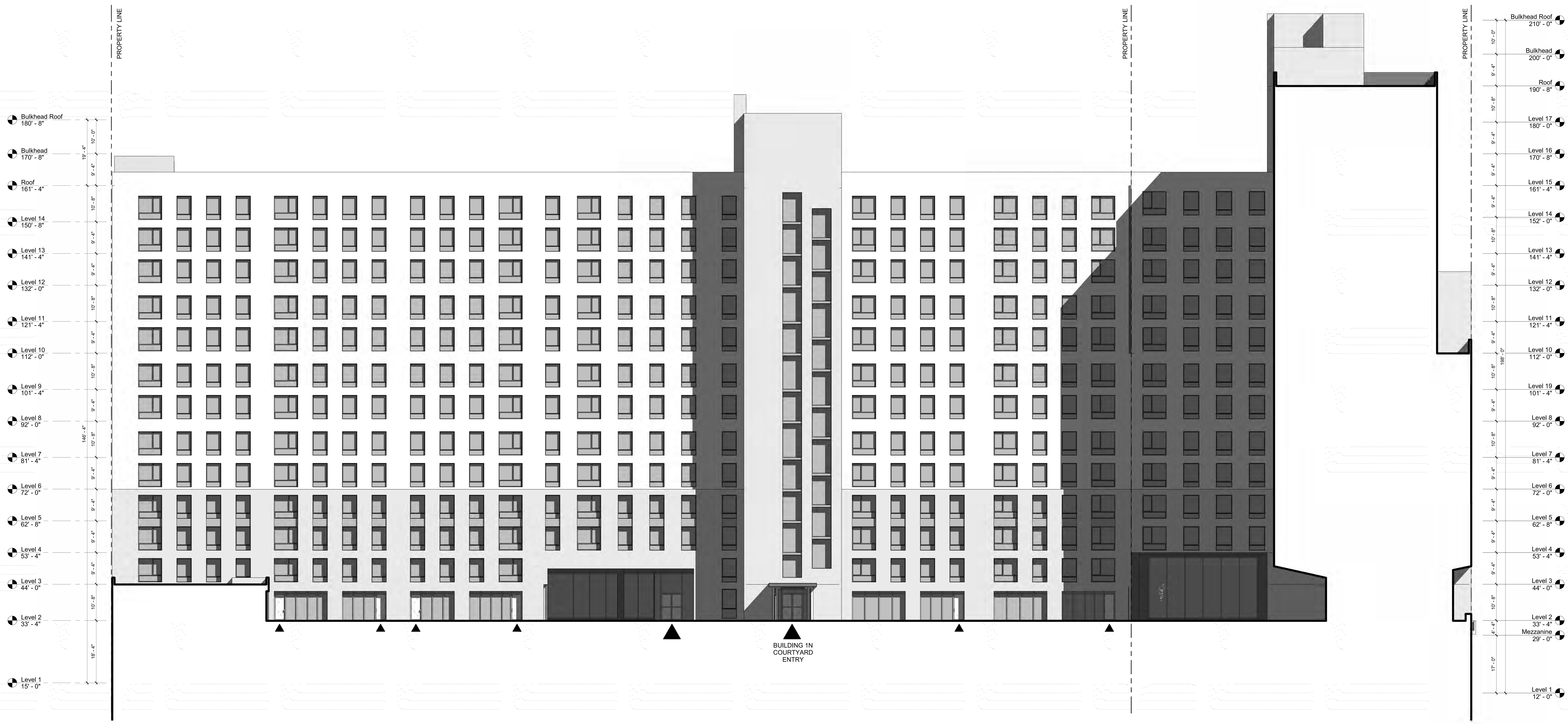
Revisions

Sheet Name:	Site Elevation - Courtyard South				
Drawn By	DA	Date	04/12/19	Project No.	1824
Checked By	DA	Scale	As indicated	Sheet No.:	A-204.00

Seal

Material Legend

- BRICK
- EIFS
- METAL SPANDREL



1 **Site Elevation - Courtyard North**
3/32" = 1'-0"

Inwood 207th Street

410 West 207th Street
New York, NY 10034

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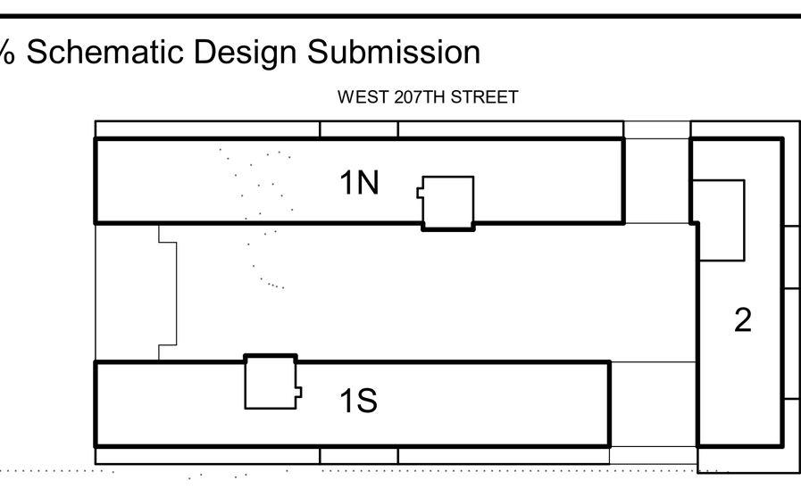
Issue: 100% Schematic Design Submission



Key Plan (NTS)

04/12/19	100% Schematic Design Submission

Revisions

Sheet Name: Site Elevation - Courtyard North

Drawn By	DA	Date	04/12/19	Project No.	1824
Checked By	DA	Scale	As indicated	Sheet No.:	A-205.00

Seal

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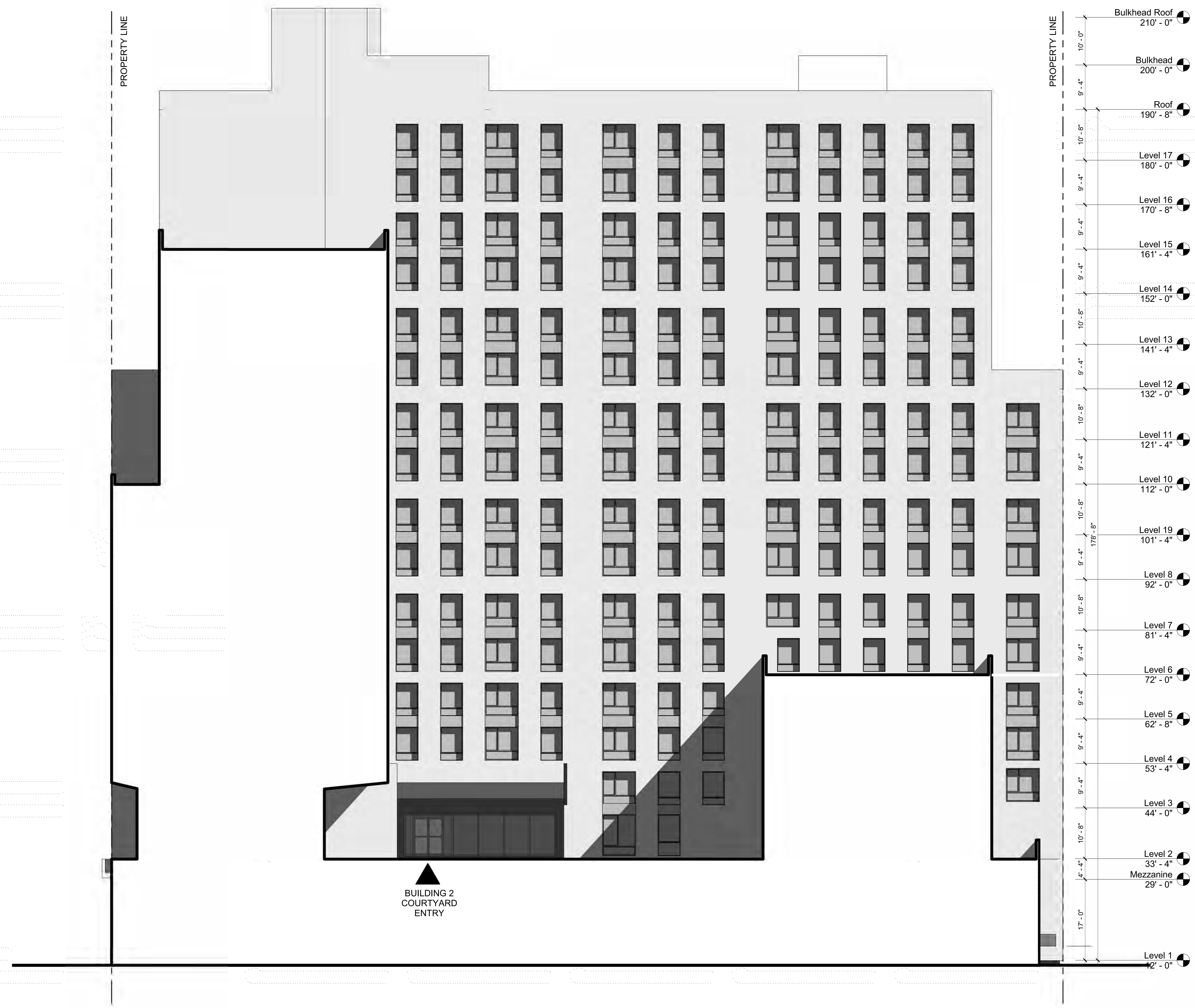
Material Legend

- BRICK
- EIFS
- METAL SPANDREL



1 **Site Elevation - Courtyard East**
3/32" = 1'-0"

Inwood 207th Street

410 West 207th Street
New York, NY 10034

Client
410 West 207th Acquisition, LLC
111 8th Avenue, Suite 1500
New York, NY 10011

Plotted - 4/12/2019 4:16:08 PM

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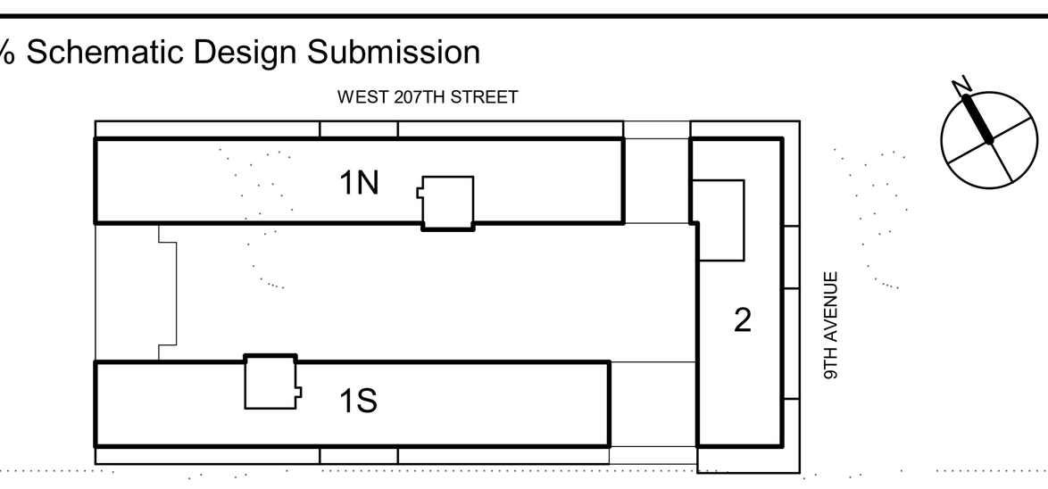
Issue: 100% Schematic Design Submission



Key Plan (NTS)

Date	Revision
04/12/19	100% Schematic Design Submission

Revisions

Sheet Name: Site Elevation - Courtyard East

Drawn By	DA	Date	04/12/19	Project No.	1824
Checked By	DA	Scale	As indicated	Sheet No.:	A-206.00

Seal

APPENDIX B

Previous Environmental Reports
(Provided as Separate File)

APPENDIX C

Soil Boring and Well Construction Logs

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
MR-11	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**L. Curnutte**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / Eric P		**Lot 21/Parking Lot**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**3-inches**	**Mobile Drill B-53 / Geoprobe**	**3" Split Spoon**	**7/23/18-7/23/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT.		1.2	
1		CONCRETE, BRICK, and medium SAND (fill); moist.			Soil sample MR-11/0.25-0.75 collected for VOCs, SVOCs, TAL metals, PCBs, pesticides, herbicides, and cyanide.
2					12" recovery.
3					
		Brown to black, medium to fine SAND, GRAVEL, BRICK, TILE (fill); moist.		4.0	Slight odor observed.
4					
5					
		Brown to black, medium to fine SAND, GRAVEL, BRICK, TILE (fill); moist.		6.7	12" recovery.
6					Soil sample MR-11/5-6.5 collected for VOCs, SVOCs, TAL metals, PCBs, pesticides, herbicides, and cyanide.
7		Brown, medium to fine SAND, some Gravel, some Brick, some Tile (fill); moist.			
		Dark to light brown, medium to fine SAND and GRAVEL; moist.		2.3	18" recovery.
8					
9					
		Brown, medium SAND, some Gravel, trace silt; wet.		2.9	12" recovery.
10					
11					
		Brown to dark brown, medium to coarse SAND, some Gravel, trace silt, trace crushed stone, trace brick; wet.		1.7	
12					
13				2.2	End of boring 13' bls.

BORING/FEET 2477.0008Y000.GPJ ROUX.GDT 12/14/18

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING
MR-12	**Not Measured**	**Not Measured**

PROJECT NO./NAME	LOCATION
2477.0008Y000 / 410 West 207th Acquisition LLC	**410 W 207th St, NY, NY**
APPROVED BY: **J. Taylor** / LOGGED BY: **L. Curnutte**	**New York, NY**
DRILLING CONTRACTOR/DRILLER: **Warren George / Eric P**	GEOGRAPHIC AREA: **Lot 9/Building Basement**

DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**3-inches**	**Mobile Drill B-53 / Geoprobe**	**3" Split Spoon**	**7/24/18-7/24/18**

LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL
Not Measured	**Not Measured**	**Cuttings**

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
1		CONCRETE.			
		Brown to grey, SILT, some coarse Sand, little organics (fill); wet.		41.5	Slight odor observed.
2					Soil sample MR-12/1.25-3 collected for VOCs, SVOCs, TAL metals, PCBs, pesticides, herbicides, and cyanide.
3		Brown to grey, SILT, some coarse Sand, little organics; wet.		8.6	Staining and odor observed. Soil sample MR-12/3-4 collected for SVOCs and VOCs. 6" recovery.
4		Brown to dark brown, SILT and fine SAND, some Gravel; moist.		2.2	
5		Reddish brown, fine SAND and SILT, some Gravel; moist.		5.6	Slight odor observed 5-9. 8" recovery.
6		Red to brown, SILT; wet.		10.2	8" recovery.
7		Brown, medium to fine SAND and GRAVEL, trace silt; wet.		2.3	Water sample MR-12 collected for VOCs, SVOCs, TAL metals, PCBs, pesticides, herbicides, and cyanide. 12" recovery.
8		Grey, SILT; wet.		7.5	12" recovery. Slight odor. Very compact.
9					End of boring 9' bls.

BORING/FEET 2477.0008Y000.GPJ ROUX.GDT 12/14/18

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
MR-14	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**L. Curnutte**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / Eric P		**Lot 9/Parking Lot**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**3-inches**	**Mobile Drill B-53 / Geoprobe**	**3" Split Spoon**	**7/30/18-7/30/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT.			
		SUB-BASE.		G	
1		Dark brown to black, medium to fine SAND, some Brick, some Glass, some Asphalt, some Crushed Stone (fill); dry.		4.5	15" recovery.
2					Soil sample MR-14/1-1.5 collected for VOCs, SVOCs, TAL metals, PCBs, pesticides, herbicides, and cyanide.
3		Brown to dark brown, medium to fine SAND, some Brick, some Glass, some Crushed Stone (fill); moist.		1.0	18" recovery.
4					
5		Dark brown, medium to fine SAND, some Brick, some Crushed Stone, little Asphalt (fill); dry.		6.6	6" recovery. Soil sample MR-14/5-6 collected for VOCs, SVOCs, TAL metals, PCBs, pesticides, herbicides, and cyanide.
6		Brown to white, medium to fine SAND, some Gravel; dry.		5.5	12" recovery.
7		Brown to white, coarse to fine SAND, some Gravel, little Silt; moist.		3.5	24" recovery.
8					Water sample MR-14 collected for VOCs, SVOCs, TAL metals, PCBs, pesticides, herbicides, and cyanide.
9		Brown, medium to fine SAND, little Gravel, trace silt; wet.		1.5	
10					
11					End of boring at 11' bls.

BORING/FEET 2477.0008Y000.GPJ ROUX.GDT 12/14/18

ROUX ASSOCIATES, INC.
Environmental Consulting & Management

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Islandia, NY 11749
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Fax: (631) 232-9898

SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
MR-4	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**L. Curnutte**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / Eric P		**Lot 9/Parking Lot**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**3-inches**	**Mobile Drill B-53 / Geoprobe**	**3" Split Spoon**	**7/24/18-7/24/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT.			
		SUB-BASE and STONE.			
1		Grey, medium SAND, some Brick, some Glass, some Tile (fill); dry.	G	0.0	Soil sample MR-4/1-1.5 collected for VOCs, SVOCs, TAL metals, PCBs, pesticides, herbicides, and cyanide.
2		Brown to dark brown, medium to fine SAND, some Brick, some Gravel, some Tile (fill); dry.		0.0	
3					
4		Brown to dark brown, medium to fine SAND, some Brick, some Tile, some Gravel (fill); dry.		10.2	
5		Dark brown, BRICK and GRAVEL (fill).		1.2	
6		Dark brown, medium SAND, some Brick, some Crushed Stone, some Glass (fill); dry.		2.7	
7				1.5	
8		Brown to dark brown, medium to fine SAND, little Gravel, trace silt; moist.		3.3	
9		Dark brown, SAND; moist.		2.1	
10		Brown, coarse to fine SAND, some Gravel; wet.		11.1	Soil sample MR-4/9.5-11 collected for VOCs, SVOCs, TAL metals, PCBs, pesticides, herbicides, and cyanide.
11					End of boring at 11' bls.

BORING/FEET 2477.0008Y000.GPJ ROUX.GDT 12/14/18

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
MR-7	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**L. Curnutte**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / Eric P		**Lot 9/Building First Floor**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**3-inches**	**Mobile Drill B-53 / Geoprobe**	**3" Split Spoon**	**8/1/18-8/2/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE.			
1		Dark brown, medium to fine SAND, some Gravel, some Brick (fill); dry.		0.2	18" recovery. Soil sample MR-7/0.5-2.5 collected for VOCs, SVOCs, TAL metals, PCBs, pesticides, herbicides, and cyanide.
2					
3		Brown to dark brown, medium to fine SAND, some Gravel (fill); dry.		0.1	18" recovery.
4					
5		Brown to white, medium to fine SAND, some Gravel; dry.		0.1	12" recovery.
6					
7		CORED ROCK.			
8		Brown to white, SAND and COBBLE; moist.			6" recovery.
9					
10		Brown to grey to white, SAND and COBBLE; wet.			6" recovery.
11					End of boring 11' bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
MR-9	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**L. Curnutte**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / Eric P		**Lot 21/Parking Lot**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**3-inches**	**Mobile Drill B-53 / Geoprobe**	**3" Split Spoon**	**7/26/18-7/26/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT.			
		ASPHALT, SUB-BASE and STONE.		G	Soil sample MR-9/1-1.5 collected for VOCs, SVOCs, TAL metals, PCBs, pesticides, herbicides, and cyanide.
1		Brown to black, medium SAND, some Crushed Stone, some Glass, some Brick, some Organics (fill); dry.		8.0	
		No lithology recorded.			No recovery.
2		White, GRAVEL.			
		Brown to dark brown, medium to fine SAND, some Crushed Stone, some Brick (fill).			10" recovery.
3				10.3	
4		Dark brown, fine SAND, some Gravel, some White Stone (fill).			18" recovery.
				4.3	
5					
6		Black, SAND, some Brick, some Stone (fill).		5.5	
		Brown to light brown, coarse to fine SAND, some Gravel.			12" recovery.
7				1.0	
8		Brown to white, coarse to fine SAND, some Gravel, trace silt; moist.		12.3	8" recovery.
					Soil sample MR-9/8-9 collected for VOCs, SVOCs, TAL metals, PCBs, pesticides, herbicides, and cyanide.
9		Brown to white, coarse to fine SAND, some Gravel, some Silt; wet.		1.0	Water sample MR-9 collected for VOCs, SVOCs, TAL metals, PCBs, pesticides, herbicides, and cyanide.
10					End of boring 10' bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RX-1	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**M. Smith**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / Cyril & Eddie		**Lot 21/Parking Lot**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**2-inches**	**Earthprobe200 / Direct Push**	**2" Macro-Core**	**9/26/18-9/26/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT.		G	25" recovery. Odor observed. Soil sample RX-1/0.5-2.5 collected for VOCs, SVOCs, and TAL metals.
		Brown, medium to fine SAND and SILT, trace gravel, trace broken concrete; dry.		15000	
		Dark brown, fine SAND and SILT, some Broken Concrete (fill); dry.		15000	35" recovery. Odor observed.
5					Soil sample RX-1/5.0-7.0 collected for VOCs. 5
		Dark brown, fine SAND and SILT, some broken concrete (fill); moist.		671	48" recovery. Soil sample RX-1/8.0-10.0 collected for VOCs, SVOCs, and TAL metals. Odor observed.
		Dark grey to black, fine SAND and SILT, trace gravel; wet.			
10				15000	Odor observed. 10
		Dark brown, SILT, trace fine sand; wet.		124	Slight odor observed.
		Dark brown, fine SAND and SILT; wet.		2306	48" recovery.
					Slight odor observed.
		Light brown, fine SAND and SILT, some medium SAND; wet.		201.4	Soil sample RX-1/13.5-15.5 collected for VOCs and SVOCs.
15					15
		Dark brown, SILT and PEAT; wet.			End of boring 16' bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RX-10	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**M. Smith**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / JR		**Lot 9/Building Basement**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**2-inches**	**/ Hand Auger**	**2" Macro-Core**	**10/1/18-10/1/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"		PID Values (ppm)	REMARKS
1		CONCRETE.				
		Dark brown, fine SAND and SILT, trace gravel; wet.		G	0.0	Soil sample RX-10/1.0-3.0 collected for VOCs, SVOCs, and TAL metals. No odor.
2						
3						End of boring at 3' bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RX-12	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**M. Smith**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / JR		**Lot 9/Building First Floor**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**2-inches**	**/ Hand Auger**	**2" Macro-Core**	**10/1/18-10/1/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"		PID Values (ppm)	REMARKS
1		CONCRETE.				
		Brown, fine SAND, SILT, and GRAVEL; dry.		G		
2						
						Soil sample RX-12/2.5-4.0 collected for VOCs, SVOCs, PCBs and TAL metals. No odor.
3						
						End of boring 4' bls.
4						

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RX-2	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**M. Smith**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / Cyril & Eddie		**Lot 21/Parking Lot**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**2-inches**	**Earthprobe200 / Direct Push**	**2" Macro-Core**	**9/26/18-9/26/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT.		G	
		Dark brown, fine SAND and SILT, some Gravel and Broken Concrete (fill); dry.		3806	26" recovery. Soil sample RX-2/0.5-2.5 collected for VOCs, SVOCs, and TAL metals. Odor observed.
5		Brown to dark brown, fine SAND and SILT, trace gravel (fill); dry.		14445	42" recovery. Odor observed.
		White, BROKEN CONCRETE (fill); dry.			
		White, BROKEN CONCRETE, trace gravel (fill); dry.		0.0	40" recovery. Water sample RX-2 collected for VOCs, SVOCs, and TAL metals.
10		Brown, fine SAND and SILT, trace gravel; wet.		15000	Odor observed. Soil sample RX-2/10.0-12.0 collected for VOCs, SVOCs, and TAL metals.
		Brown, fine SAND and SILT, trace gravel; wet.		1902	48" recovery. Odor observed.
15		Dark brown, SILT and CLAY, some Peat; wet.		25.1	End of boring 16' bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RX-3	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**M. Smith**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / Cyril & JR		**Lot 21/Parking Lot**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**2-inches**	**Earthprobe200 / Direct Push**	**2" Macro-Core**	**9/27/18-9/27/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT.		0.3	
		Brown, fine SAND and SILT, some Gravel; dry.			30" recovery.
					Soil sample RX-3/0.5-2.5 collected for VOCs, SVOCs, and TAL metals.
		Dark brown, fine SAND and SILT, some Gravel, some Broken Concrete (fill); dry.		32.3	36" recovery.
5					5
		Brown to dark brown, fine to medium SAND, trace gravel; moist.		258.5	33" recovery. Slight odor observed.
		Brown to dark brown, fine to medium SAND, trace gravel; wet.			Soil sample RX-3/8.0-10.0 collected for VOCs, SVOCs, and TAL metals.
10					10
		Brown to light brown, fine to medium SAND, trace gravel; wet.		40.1	48" recovery. Slight odor observed.
15					15
		Dark brown, SILT and CLAY, some Peat; wet.			End of boring 16' bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RX-4	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**M. Smith**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / JR		**Lot 9/Parking Lot**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**2-inches**	**Earthprobe200 / Direct Push**	**2" Macro-Core**	**9/28/18-9/28/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT.		246.1	
		Dark brown, fine SAND and SILT, some Gravel and Crushed Concrete (fill); dry.			30" recovery. Odor observed. Soil sample RX-4/0.5-2.5 collected for VOCs, SVOCs, and TAL metals.
5		Brown, fine SAND and SILT, some Gravel and Crushed Concrete (fill); dry.		23.2	25" recovery.
		Brown to light brown, fine SAND and SILT, some Gravel; wet.		1.4	22" recovery. Soil sample RX-4 collected for VOCs, SVOCs, and TAL metals.
10					Soil sample RX-4/9.5-11.5 collected for VOCs, SVOCs, and TAL metals.
		Brown, fine SAND and SILT, trace gravel; wet.		0.4	48" recovery.
15		Dark brown SILT, some Peat.			End of boring 16' bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RX-5	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**M. Smith**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / Cyril & Eddie		**Lot 21/Parking Lot**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**2-inches**	**Earthprobe200 / Direct Push**	**2" Macro-Core**	**9/27/18-9/27/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
0		ASPHALT.		0.2	30" recovery. Soil sample RX-6/0.5-2.5 collected for VOCs, SVOCs, and TAL metals.
		Brown, fine SAND and SILT, some Gravel and Broken Concrete (fill); dry.			
1					1
2					2
3					3
4		Dark brown to black, fine SAND and SILT, some Gravel and Broken Concrete (fill); dry.		0.0	40" recovery. 4
5		Brown to light brown, medium to fine SAND, trace gravel; dry.			Soil sample RX-5/5.0-7.0 collected for VOCs, SVOCs, and TAL metals. 5
6				0.0	6
7					Hit refusal, end of boring 7' bls. 7

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RX-6	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**M. Smith**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / JR		**Lot 9/ Parking Lot**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**2-inches**	**Earthprobe200 / Direct Push**	**2" Macro-Core**	**9/28/18-9/28/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT.		0.0	
		Brown to light brown, fine SAND and SILT and GRAVEL; dry.			33" recovery. Soil sample RX-6/0.5-2.5 collected for VOCs, SVOCs, and TAL metals.
		Brown, fine SAND and SILT, trace gravel; dry.		0.0	36" recovery.
5					5
		Brown to white, fine SAND and SILT, some coarse Sand, trace gravel; wet.		0.0	40" recovery. Water sample RX-6 collected for VOCs, SVOCs, and TAL metals.
					Soil sample RX-6/9.0-11.0 collected for VOCs, SVOCs, and TAL metals.
10					10
		Brown, fine SAND and SILT, trace gravel; wet.		0.6	
					soil sample RX-6/14.0-16.0 collected for VOCs and SVOCs.
15					15
					End of boring 16' bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RX-7	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**M. Smith**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / JR		**Lot 9/Parking Lot**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**2-inches**	**Earthprobe200 / Direct Push**	**2" Macro-Core**	**9/28/18-9/28/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT.		2.9	
		Brown, fine SAND and SILT, some Gravel and Crushed Concrete (fill); dry.	G		Soil sample RX-7/0.5-2.5 collected for VOCs, SVOCs, and TAL metals.
1					
2					
3					
4		Brown, fine SAND and SILT and GRAVEL, some Crushed Concrete (fill); dry.		0.0	
5					
6					Hit refusal, end of boring 6' bls.

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RX-8	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**M. Smith**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / Cyril & Eddie		**Lot 21/Parking Lot**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**2-inches**	**Earthprobe200 / Direct Push**	**2" Macro-Core**	**9/27/18-9/27/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT.		0.9	
		Brown, fine SAND and SILT, some Gravel, some concrete (fill); dry.			30" recovery. Soil sample RX-8/0.5-2.5 collected for VOCs, SVOCs, and TAL metals.
1					
2					
3					
4					
		Brown, fine SAND and SILT, some Gravel, some Crushed Concrete (fill); dry.		0.0	28" recovery.
5					
6					
7					
8					
		Light brown, medium to fine SAND, trace gravel; wet.		0.5	22" recovery. Soil sample RX-8/8.0-10.0 collected for VOCs, SVOCs, and TAL metals.
9					
10					Hit refusal, end of boring 10' bls.

BORING/FEET 2477.0008Y000.GPJ ROUX.GDT 12/14/18

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SOIL BORING LOG

WELL NO.	NORTHING	EASTING		
RX-9	**Not Measured**	**Not Measured**		
PROJECT NO./NAME		LOCATION		
2477.0008Y000 / 410 West 207th Acquisition LLC		**410 W 207th St, NY, NY**		
APPROVED BY	LOGGED BY	**New York, NY**		
J. Taylor	**M. Smith**			
DRILLING CONTRACTOR/DRILLER		GEOGRAPHIC AREA		
Warren George / JR		**Lot 9/Building Basement**		
DRILL BIT DIAMETER/TYPE	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD	SAMPLING METHOD	START-FINISH DATE
3-in. /	**2-inches**	**/ Hand Auger**	**2" Macro-Core**	**10/1/18-10/1/18**
LAND SURFACE ELEVATION	DEPTH TO WATER	BACKFILL		
Not Measured	**Not Measured**	**Cuttings**		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"		PID Values (ppm)	REMARKS
		CONCRETE.				
1		Brown, fine SAND and SILT, trace gravel; dry.		G	0.0	Soil sample RX-9/1.0-2.5 collected for VOCs, SVOCs, PCBs and TAL metals.
2		Brown, fine SAND and SILT, trace gravel; wet.			0.4	
3						End of boring 3.5' bls.

BORING/FEET 2477.0008Y000.GPJ ROUX.GDT 12/14/18

APPENDIX D

Laboratory Data Deliverables
(Provided as Separate File)